
UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-3
REGISTRATION STATEMENT UNDER
THE SECURITIES ACT OF 1933

Pineapple Energy Inc.
(Exact name of registrant as specified in its charter)

Minnesota
(State or other jurisdiction of
incorporation or organization)

41-0957999
(I.R.S. Employer
Identification Number)

**10900 Red Circle Drive
Minnetonka, MN 55343
(952) 996-1674**

(Address, including zip code, and telephone number, including area code, of registrant's principal executive offices)

**Kyle Udseth
Chief Executive Officer
Pineapple Energy Inc.
10900 Red Circle Drive
Minnetonka, MN 55343
(952) 996-1674**

(Name, address, including zip code, and telephone number, including area code, of agent for service)

With copies to:

**Steven Kennedy
Jonathan Zimmerman
Faegre Drinker Biddle & Reath LLP
2200 Wells Fargo Center
Minneapolis, MN 55402
(612) 766-7000**

**Approximate date of commencement of proposed sale to the public:
From time to time after the effective date of this registration statement.**

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, as amended, other than securities offered only in connection with dividend or interest reinvestment plans, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.

If this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input checked="" type="checkbox"/>	Smaller reporting company	<input checked="" type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act.

THE REGISTRANT HEREBY AMENDS THIS REGISTRATION STATEMENT ON SUCH DATE OR DATES AS MAY BE NECESSARY TO DELAY ITS EFFECTIVE DATE UNTIL THE REGISTRANT SHALL FILE A FURTHER AMENDMENT WHICH SPECIFICALLY STATES THAT THIS REGISTRATION STATEMENT SHALL THEREAFTER BECOME EFFECTIVE IN ACCORDANCE WITH SECTION 8(a) OF THE SECURITIES ACT OF 1933 OR UNTIL THE REGISTRATION STATEMENT SHALL BECOME EFFECTIVE ON SUCH DATE AS THE COMMISSION, ACTING PURSUANT TO SAID SECTION 8(a), MAY DETERMINE.

The information in this prospectus is not complete and may be changed. These securities may not be sold until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell nor does it seek an offer to buy these securities in any jurisdiction where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED August 25, 2022

PROSPECTUS



Pineapple Energy Inc.

\$100,000,000

Preferred Stock

Common Stock

Debt Securities

Stock Purchase Contracts

Warrants

Rights

Units

9,411,744 Shares of Common Stock

Offered by the Selling Stockholders

We may offer and sell, from time to time in one or more offerings, up to \$100,000,000 in the aggregate of preferred stock, common stock, debt securities, stock purchase contracts, warrants, rights and units, in any combination. In addition, the selling stockholders may offer and sell, from time to time, up to an aggregate of 9,411,744 shares of common stock under this prospectus. We will not receive any of the proceeds from the sale of shares of our common stock by the selling stockholders.

On September 15, 2021, we entered into an Amended and Restated Securities Purchase Agreement (the "securities purchase agreement") with the selling stockholders for a private placement of our Series A convertible preferred stock and common stock warrants. The number of shares of common stock offered for sale by the selling stockholders consists of 200% of the 2,352,936 shares of our common stock that may be issued upon conversion, at an initial conversion price of \$13.60 per share, of the Series A convertible preferred stock issued under the securities purchase agreement and 200% of the 2,352,936 shares of our common stock that may be issued, at an initial exercise price of \$13.60 per share, upon the exercise of warrants issued under the securities purchase agreement.

This prospectus provides you with a general description of the securities that may be offered. Each time either we or any of the selling stockholders offer and sell securities using this prospectus, we will provide a supplement to this prospectus that contains specific information about the offering, as well as the amounts, prices and terms of the securities. The supplement may also add, update or change information contained in this prospectus with respect to that offering. You should carefully read this prospectus and the applicable prospectus supplement before you invest in any of our securities.

We may offer and sell the securities described in this prospectus and any prospectus supplement to or through one or more underwriters, dealers and agents, or directly to purchasers, or through a combination of these methods. In addition, the selling stockholders may offer and sell shares of our common stock from time to time, together or separately. If any underwriters, dealers or agents are involved in the sale of any of the securities, their names and any applicable purchase price, fee, commission or discount arrangement between or among them will be set forth, or will be calculable from the information set forth, in the applicable prospectus supplement. See the sections of this prospectus entitled "About this Prospectus" and "Plan of Distribution" for more information. This prospectus may not be used to offer and sell our securities unless accompanied by a prospectus supplement describing the method and terms of the offering of such securities.

Investing in our securities involves risks. See “Risk Factors” beginning on page 5 of this prospectus and any similar section contained in the applicable prospectus supplement concerning factors you should consider before investing in our securities.

Our common stock is listed on the Nasdaq Capital Market under the symbol “PEGY.” On August 24, 2022 the last reported sale price of our common stock on the Nasdaq Capital Market was \$3.31 per share.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

The date of this prospectus is _____, 2022.

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the U.S. Securities and Exchange Commission, or the SEC, using a “shelf” registration process. By using a shelf registration statement, we may sell securities described in this prospectus from time to time and in one or more offerings up to a total dollar amount of \$100,000,000, and the selling stockholders may from time to time in one or more offerings sell up to 9,411,744 shares of our common stock.

Each time that we offer and sell securities using this prospectus, we will provide a prospectus supplement to this prospectus that contains specific information about the securities being offered and sold and the specific terms of that offering. We may also authorize one or more free writing prospectuses to be provided to you that may contain material information relating to these offerings. The prospectus supplement may also add, update or change information contained in this prospectus with respect to that offering. If there is any inconsistency between the information in this prospectus and the applicable prospectus supplement, you should rely on the prospectus supplement, provided that if any statement in one of these documents is inconsistent with a statement in another document having a later date - for example, a document incorporated by reference in this prospectus or any prospectus supplement - the statement in the later- dated document modifies or supersedes the earlier statement.

The rules of the SEC allow us to incorporate by reference information into this prospectus. This information incorporated by reference is considered to be a part of this prospectus, and information that we file later with the SEC, to the extent incorporated by reference, will automatically update and supersede this information. See “Incorporation of Certain Information by Reference” on page 7 of this prospectus. Before purchasing any securities, you should carefully read both this prospectus and the applicable prospectus supplement, together with the additional information described under the heading “Where You Can Find More Information” on page 7 of this prospectus.

Neither we, nor the selling stockholders, have authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We and the selling stockholders will not make an offer to sell these securities in any jurisdiction where the offer or sale is not permitted. You should assume that the information appearing in this prospectus and the applicable prospectus supplement to this prospectus is accurate as of the date on its respective cover, and that any information incorporated by reference is accurate only as of the date of the document incorporated by reference, unless we indicate otherwise. Our business, financial condition, results of operations and prospects may have changed since those dates.

This prospectus incorporates by reference, and any prospectus supplement or free writing prospectus may contain and incorporate by reference, certain market and industry data obtained from independent market research, industry publications and surveys, governmental agencies and publicly available information. Industry surveys, publications and forecasts generally state that the information contained therein has been obtained from sources believed to be reliable, although they do not guarantee the accuracy or completeness of such information. We believe the data from such third-party sources to be reliable. However, we have not independently verified any of such data and cannot guarantee its accuracy or completeness. Similarly, internal market research and industry forecasts, which we believe to be reliable based upon our management's knowledge of the market and the industry, have not been verified by any independent sources. While we are not aware of any misstatements regarding the market or industry data presented herein, our estimates involve risks and uncertainties and are subject to change based on various factors.

References in this prospectus to "Pineapple", "we", "our", "us" and the "Company" refer to Pineapple Energy Inc., a Minnesota corporation, and its subsidiaries.

PROSPECTUS SUMMARY

This summary highlights certain information about us and selected information contained elsewhere in or incorporated by reference into this prospectus. This summary is not complete and does not contain all of the information that you should consider before deciding to invest in our common stock. For a more complete understanding of our company, we encourage you to read and consider carefully the more detailed information in this prospectus, including the information incorporated by reference in this prospectus, and the information under the heading "Risk Factors" in this prospectus, beginning on page 5, before making an investment decision.

Our Company

Overview

We are a growing domestic operator and consolidator of residential solar, battery storage, and grid service solutions. Our focus is acquiring and growing leading local and regional solar, storage and energy service companies nationwide. Through our HEC business, we also operate as a recognized solar integrator, dedicated to providing affordable energy solutions in Hawaii with our offerings of solar panels, communication filters, web monitoring systems, batteries, water heating systems, and other related products that help residential and commercial users reduce electric costs and earn tax credits related to installing renewable energy systems. Our E-Gear business is a renewable energy innovator that offers proprietary patented and patent pending edge-of-grid energy management and storage solutions that offer intelligent and real-time adaptive control, flexibility, visibility, predictability and support to energy consumers, energy service companies, and utilities.

Our Corporate Information

Our principal offices are located at 10900 Red Circle Drive Minnetonka, MN 55343 and the telephone number at that location is (952) 996-1674. Our website address is www.pineappleenergy.com. Information contained on our website is not incorporated by reference into this prospectus, and you should not consider information contained on our website as part of this prospectus or part of any prospectus supplement.

The names "Pineapple Energy," "Sungevity," "Horizon Solar Power," "Hawaii Energy Connection" and "E Gear" and our logos are our material trademarks. All other trademarks and trade names appearing in this prospectus are the property of their respective owners.

Securities that may be Offered

Issuer	Pineapple Energy Inc.
Securities Offered	<p>We may offer up to \$100,000,000 of:</p> <ul style="list-style-type: none">• common stock;• preferred stock;• debt securities;• stock purchase contracts;• warrants;• rights; and• units. <p>We may also offer securities of the types listed above that are convertible or exchangeable into one or more of the securities listed above.</p> <p>In addition, the selling stockholders may offer and sell, from time to time, up to an aggregate of 9,411,744 shares of common stock under this prospectus. The number of shares of common stock offered for sale by the selling stockholders consists of (1) 200% of the 2,352,936 shares of our common stock that may be issued upon conversion, at an initial conversion price of \$13.60 per share, of the Series A convertible preferred stock issued under the securities purchase agreement and (2) 200% of the 2,352,936 shares of our common stock that may be issued, at an initial exercise price of \$13.60 per share, upon the exercise of warrants issued under the securities purchase agreement.</p>
Use of Proceeds	<p>We intend to use the net proceeds from the sale of any securities offered by us for general corporate purposes unless otherwise indicated in the applicable prospectus supplement.</p> <p>We will not receive any of the proceeds from the sale of shares of our common stock by the selling stockholders.</p>
Risk Factors	<p>Investing in our common stock involves a high degree of risk. See “Risk Factors” beginning on page 5 of this prospectus, and any other risk factors described in a prospectus supplement and in the documents incorporated herein and therein by reference, for a discussion of certain factors that you should carefully consider before deciding to invest in our common stock.</p>
Nasdaq Capital Market Symbol	PEGY

RISK FACTORS

Investment in any securities offered pursuant to this prospectus and the applicable prospectus supplement involves a high degree of risk. You should carefully consider the risk factors included in, or incorporated by reference into, this prospectus, as updated by our subsequent filings under the Exchange Act, and the risk factors and other information contained in the applicable prospectus supplement before acquiring any of such securities. Additional risks and uncertainties not presently known to us or that are currently not believed to be significant to our business may also affect our actual results and could harm our business, financial condition and results of operations. The occurrence of any of these risks might cause you to lose all or part of your investment in the offered securities.

Risks Related to This Offering and Our Common Stock

The market price for our common stock has experienced significant price and volume volatility and is likely to continue to experience significant volatility in the future, which may cause the value of any investment in our common stock to decline.

Our stock price and the stock prices of companies similar to us have been highly volatile. In addition, stock markets generally have recently experienced volatility. Our stock price has experienced significant price and volume volatility, and our stock price is likely to experience significant volatility in the future. On January 3, 2022 (the first trading day of 2022), March 25, 2022 (the trading day prior to the closing of the merger of Commercial Systems, Inc. and Pineapple Energy LLC) and August 24, 2022, the last reported sale price for our common stock on the Nasdaq Capital Market was \$9.80, \$8.89 and \$3.31 per share, respectively. The price of our common stock may decline and the value of any investment in our common stock may be reduced regardless of our performance. Further, the daily trading volume of our common stock has historically been relatively low. As a result of the low volume, our shareholders may be unable to sell significant quantities of common stock in the public trading markets without a significant reduction in the price of our common shares. The trading price of our common stock may be influenced by factors beyond our control, such as the volatility of the financial markets in general, including in reaction to the ongoing COVID-19 pandemic, uncertainty surrounding the U.S. economy, conditions and trends in the markets we serve, changes in the estimation of the future size and growth rate of our markets, publication of research reports and recommendations by financial analysts relating to our business, the business of our competitors or the retail industry, changes in market valuation or earnings of our competitors or other small capitalization companies, sales of our common stock by our principal shareholders, and the trading volume of our common stock. The historical market prices of our common stock may not be indicative of future market prices and we may be unable to sustain or increase the value of our common stock. Further, we have historically used equity incentive compensation as part of our overall compensation arrangements. The effectiveness of equity incentive compensation in retaining key employees may be adversely impacted by volatility in our stock price. Significant declines in our stock price may also interfere with our ability, if needed, to raise additional funds through equity financing or to finance strategic transactions with our stock.

Any inability or perceived inability of investors to realize a gain on an investment in our common stock could have an adverse effect on our business, financial condition and results of operations by potentially limiting our ability to attract and retain qualified employees and to raise capital. In addition, there may be increased risk of securities litigation following periods of fluctuations in our stock price. Securities class action lawsuits are often brought against companies after periods of volatility in the market price of their securities. These and other consequences of volatility in our stock price which could be exacerbated by macroeconomic conditions that affect the market generally, or our industries in particular, could have the effect of diverting management's attention and could materially harm our business.

Management will have broad discretion as to the use of the proceeds from an offering, and we may not use the proceeds effectively.

You will be relying on the judgment of our management with regard to the use of net proceeds from an offering, and you will not have the opportunity, as part of your investment decision, to assess whether the proceeds are being used appropriately. Our management will have broad discretion in the application of the net proceeds from an offering and could spend the proceeds in ways that do not improve our results of operations or enhance the value of our common stock. Our failure to apply these funds effectively could have a material adverse effect on our business and cause the price of our common stock to decline.

You may experience dilution as a result of this or future offerings.

In order to raise additional capital, we may in the future offer additional shares of our common stock or other securities convertible into or exchangeable for our common stock. We cannot assure you that we will be able to sell shares or other securities in any other offering at a price per share that is equal to or greater than the price per share paid by investors in this offering, and investors purchasing our shares or other securities in the future could have rights superior to existing shareholders. The price per share at which we sell additional shares of our common stock or other securities convertible into or exchangeable for our common stock in future transactions may be higher or lower than the price per share in this offering.

Resales of our common stock in the public market during an offering by our stockholders may cause the market price of our common stock to fall.

We may issue common or preferred stock from time to time in connection with an offering. This issuance from time to time of these new shares, or our ability to issue these shares in this offering, could result in resales of our by our current stockholders concerned about the potential dilution of their holdings. In turn, these resales could have the effect of depressing the market price for our common stock.

We are not currently paying dividends and will likely continue not paying cash dividends on our common stock for the foreseeable future.

We have never paid cash dividends on our common stock and do not anticipate paying any cash dividends on our common stock for the foreseeable future. Investors should not rely on an investment in us if they require income generated from dividends paid on our capital stock. Any income derived from our common stock may only come from a rise in the market price of our common stock, which is uncertain and unpredictable.

WHERE YOU CAN FIND MORE INFORMATION

We are subject to the information reporting requirements of the Securities Exchange Act of 1934, as amended (the “Exchange Act”) and, in accordance with these requirements, we are required to file periodic reports and other information with the SEC. The SEC maintains an Internet website at www.sec.gov that contains our filed reports, proxy and information statements, and other information we file electronically with the SEC.

Additionally, we make our SEC filings available, free of charge, on our website at www.pineappleenergy.com as soon as reasonably practicable after we electronically file such materials with, or furnish them to, the SEC. The information on our website, other than the filings incorporated by reference in this prospectus, is not, and should not be, considered part of this prospectus, is not incorporated by reference into this document, and should not be relied upon in connection with making any investment decision with respect to the securities.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

We “incorporate by reference” into this prospectus certain information we file with the SEC, which means that we can disclose important information to you by referring you to those documents. The information incorporated by reference is an important part of this prospectus. Some information contained in this prospectus updates the information incorporated by reference, and information that we file subsequently with the SEC will automatically update this prospectus as well as our other filings with the SEC. In other words, in the case of a conflict or inconsistency between information set forth in this prospectus and information incorporated by reference into this prospectus, you should rely on the information contained in the document that was filed later. We incorporate by reference the documents listed below and any filings we make with the SEC under Sections 13(a), 13(c), 14, or 15(d) of the Exchange Act (i) following the date of the registration statement that contains this prospectus but prior to the effectiveness of such registration statement or (ii) after the date of this prospectus and prior to the time that all the securities offered by this prospectus are sold (in each case, other than any portions of any such documents that are not deemed “filed” under the Exchange Act in accordance with the Exchange Act and applicable SEC rules):

- our Annual Report on [Form 10-K](#) for the year ended December 31, 2021, filed with the SEC on March 14, 2022;
- our Quarterly Reports on Form 10-Q for the fiscal quarters ended [March 31, 2022](#) and [June 30, 2022](#);
- our [prospectus](#), dated February 3, 2022, filed with the SEC on February 3, 2022 pursuant to Rule 424(b) under the Securities Act, relating to our registration statement on Form S-4, as amended (File No. 333-260999);
- our Current Reports on Form 8-K (other than portions thereof furnished under Item 2.02 or Item 7.01 of Form 8-K and exhibits accompanying such reports that are related to such items) filed with the SEC on [January 4, 2022](#), [February 9, 2022](#), [February 15, 2022](#), [February 16, 2022](#), [February 28, 2022](#), [March 16, 2022](#), [March 18, 2022](#), [March 23, 2022](#), [March 25, 2022](#), [March 29, 2022](#), [April 13, 2022](#), [April 28, 2022](#), [May 19, 2022](#), [June 8, 2022](#) and [June 15, 2022](#); and

- the description of our common stock contained in our registration statement on [Form 8-A](#), which was filed with the SEC on January 24, 2003, including any amendment or report filed with the SEC for the purpose of updating such description.

All reports and other documents we subsequently file pursuant to Section 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the termination of this offering, including all such documents we may file with the SEC after the date of the initial registration statement and prior to the effectiveness of the registration statement, but excluding any information furnished to, rather than filed with, the SEC, will also be incorporated by reference into this prospectus and deemed to be part of this prospectus from the date of the filing of such reports and documents. You may request a copy of these filings, other than an exhibit to a filing unless that exhibit is specifically incorporated by reference into that filing, at no cost, by writing to or telephoning us at the following:

Pineapple Energy Inc.
10900 Red Circle Drive
Minnetonka, MN 55343
Attention: Corporate Secretary
(952) 996-1674

You should rely only on the information incorporated by reference or presented in this prospectus or the applicable prospectus supplement. Neither we nor any underwriters or agents have authorized anyone else to provide you with different information. We are not making an offer of these securities in any jurisdiction where the offer is not permitted. You should not assume that the information in this prospectus or the applicable prospectus supplement is accurate as of any date other than the dates on the front of those documents.

CAUTIONARY STATEMENT REGARDING FORWARD-LOOKING STATEMENTS

This prospectus, including the documents that we incorporate by reference, contains forward-looking statements within the meaning of Section 27A of the Securities Act and Section 21E of the Exchange Act. The forward-looking statements involve substantial risks and uncertainties. All statements, other than statements related to present facts or current conditions or of historical facts, contained in this prospectus, including statements regarding our strategy, future operations, future financial position, future revenues, and projected costs, prospects, plans and objectives of management, are forward-looking statements. Accordingly, these statements involve estimates, assumptions and uncertainties which could cause actual results to differ materially from those expressed in them. The words “anticipate,” “believe,” “continue,” “could,” “estimate,” “expect,” “intend,” “may,” “might,” “ongoing,” “plan,” “potential,” “predict,” “project,” “should,” “target,” “will,” “would,” or the negative of these terms or other comparable terminology are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Any forward-looking statements are qualified in their entirety by reference to the factors discussed throughout our SEC reports, and in particular those factors discussed under the heading “Risk Factors” beginning on page 5 of this prospectus and in the other documents incorporated herein by reference, as the same may be updated from time to time by our future filings under the Exchange Act.

You should assume that the information appearing in this prospectus, any accompanying prospectus supplement, any related free writing prospectus and any document incorporated herein by reference is accurate as of its date only. Because the risk factors referred to above could cause actual results or outcomes to differ materially from those expressed in any forward-looking statements made by us or on our behalf, you should not place undue reliance on any forward-looking statements. Further, any forward-looking statement speaks only as of the date on which it is made. New factors emerge from time to time, and it is not possible for us to predict which factors will arise. In addition, we cannot assess the impact of each factor on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements. All written or oral forward-looking statements attributable to us or any person acting on our behalf made after the date of this prospectus are expressly qualified in their entirety by the risk factors and cautionary statements contained in and incorporated by reference into this prospectus. Unless legally required, we do not undertake any obligation to release publicly any revisions to such forward-looking statements to reflect events or circumstances after the date of this prospectus or to reflect the occurrence of unanticipated events.

Factors that could cause actual results to differ materially from those in the forward-looking statements include, but are not limited to, the following:

- our competitive position and other key competitive factors;
- the market for renewable energy, including solar energy;
- the reduction, elimination, or expiration of government subsidies, policies, and support programs for solar energy projects;
- the impact of public policies, such as tariffs or other trade remedies imposed on solar cells and modules;
- our ability to consummate successful acquisitions;
- our ability to raise capital to finance acquisitions;
- the severity and duration of the COVID-19 pandemic, including its potential impact on our business, financial condition, and results of operations;
- interest rate fluctuations and our customers' ability to secure financing;
- our ability to execute on our long-term strategic plans;
- the inability of our customers and counterparties to perform under their contracts with us;
- our ability to attract new customers and to develop and maintain existing customer and supplier relationships;
- the supply and price of components and raw materials;
- supply chain disruption, including canceled shipments by logistic providers, and the cost of fuel;
- our ability to protect our intellectual property;
- our continued investment in R&D;
- our ability to attract and retain key executive officers and associates;
- changes in, or the failure to comply with, government regulations and environmental, health, and safety requirements;

- general economic and business conditions, including those influenced by U.S., international, and geopolitical events;
- our environmental responsibility;
- our ability to prevent and/or minimize the impact of cyber-attacks or other breaches of our information systems;
- effects arising from pending litigation; and
- all other matters discussed in our other filings with the SEC.

USE OF PROCEEDS

We intend to use the net proceeds from the sale of any securities for general corporate purposes unless otherwise indicated in the applicable prospectus supplement. General corporate purposes may include the repayment of outstanding indebtedness, working capital, general and administrative expenses, capital expenditures and acquisitions. We have not yet determined the amount of net proceeds to be used specifically for any of the foregoing purposes. Accordingly, our management will have significant discretion and flexibility in applying the net proceeds from the sale of these securities.

We will not receive any proceeds from the sale of shares of our common stock by the selling stockholders.

SELLING STOCKHOLDERS

The common stock being offered by the selling stockholders pursuant to this prospectus consists of (1) 200% of the 2,352,936 shares of our common stock that may be issued upon conversion, at an initial conversion price of \$13.60 per share, of the Series A convertible preferred stock issued under the securities purchase agreement and (2) 200% of the 2,352,936 shares of our common stock that may be issued, at an initial exercise price of \$13.60 per share, upon the exercise of warrants issued under the securities purchase agreement. We previously registered 10,614,239 shares of our common stock for resale by the selling stockholders (the "Previously Registered Shares") pursuant to a registration statement on Form S-3 (Registration Statement No. 333-262893) that was declared effective on March 24, 2022 (the "Previous Registration Statement"). The 10,614,239 shares of common stock consisted of (1) 200% of the 2,352,936 shares of our common stock that may be issued upon conversion, at an initial conversion price of \$13.60 per share, of the Series A convertible preferred stock issued under the securities purchase agreement, (2) 200% of the 2,352,936 shares of our common stock that may be issued, at an initial exercise price of \$13.60 per share, upon the exercise of warrants issued under the securities purchase agreement, and (3) the aggregate 1,202,495 shares of our common stock that may be purchased by the selling stockholders under certain stock transfer agreements. The number of shares that were registered pursuant to the Previous Registration Statement was based on our good faith estimate of the maximum number of shares that could be sold by the selling stockholders at the time of filing. However, because the trading price of our common stock on the Nasdaq Capital Market has decreased since the effective date of the Previous Registration Statement our good faith estimate of the maximum number of shares that could be issued upon the conversion of the Series A convertible preferred stock and the exercise of the warrants has increased, as the conversion and exercise price of each security, respectively, is subject to downward adjustment in the event that we sell, enter into an agreement to sell, grant any option to purchase or sell or grant any right to reprice or otherwise dispose of or issue (or announce any sale, grant or any option to purchase or other disposition), any common stock or common stock equivalents entitling any person to acquire shares of common stock at an effective price per share that is lower than the then conversion price of \$13.60 of the Series A convertible preferred stock or the exercise price of \$13.60 of the warrants, subject to certain exceptions. The conversion price and/or exercise price would be adjusted to the lower of (i) the price in such dilutive issuance or (ii) the lowest volume-weighted average price of our common stock in the five consecutive trading dates following the announcement of such dilutive issuance. The last reported sale price of our common stock on the Nasdaq Capital Market on the effective date of the Previous Registration Statement was \$8.56 per share, while the last reported sale price of our common stock on August 24, 2022 was \$3.31 per share.

We are registering these shares of common stock in order to permit the selling stockholders to offer for resale from time to time the shares that they may acquire upon conversion of the Series A convertible preferred stock or the exercise of the warrants issued pursuant to the securities purchase agreement. Except for the executing the securities purchase agreement and other documentation related to such offering, the selling stockholders have not had any material relationship within the past three years with us or any of our affiliates.

The table below lists the selling stockholders and other information regarding the beneficial ownership of the shares of common stock by each of the selling stockholders. The second column lists the number of shares of common stock beneficially owned by each selling stockholder as of August 15, 2022. In accordance with the rules of the SEC, beneficial ownership includes voting or investment power with respect to securities and includes the shares issuable pursuant to securities that are exercisable within 60 days of August 15, 2022. Shares issuable pursuant to securities are deemed outstanding for computing the percentage of the person holding securities but are not outstanding for computing the percentage of any other person. The percentage ownership information in the third column is based on the 7,435,586 shares of common stock outstanding as of August 15, 2022.

The fourth column lists the shares of common stock being offered by this prospectus by the selling stockholders. In accordance with the terms of a registration rights agreement with the selling stockholders, this prospectus covers the resale of the sum of:

- 200% of the 2,352,936 shares of our common stock that may be issued upon conversion, at an initial conversion price of \$13.60 per share, of the Series A convertible preferred stock issued under the securities purchase agreement; and
- 200% of the 2,352,936 shares of our common stock that may be issued, at an initial exercise price of \$13.60 per share, upon the exercise of warrants issued under the securities purchase agreement.

For purposes of the fifth and sixth column, we have assumed that each selling stockholder will have sold all of our common stock covered by this prospectus upon the completion of the offering. However, the selling stockholders may sell all, some or none of their shares in this offering. See "Plan of Distribution".

Under the terms of the Certificate of Designation with respect to the Series A convertible preferred stock, a selling stockholder may not convert the Series A convertible preferred stock to the extent such conversion would cause such selling stockholder, together with its affiliates and attribution parties, to beneficially own a number of shares of common stock which would exceed 4.99% or 9.99%, as applicable, of our then outstanding common stock following such conversion, excluding for purposes of such determination shares of common stock issuable upon conversion of shares of Series A convertible preferred stock which have not been converted and issuable upon exercise of warrants which have not been exercised. Also, under the warrants, a selling stockholder may not exercise the warrant to the extent such exercise would cause such selling stockholder, together with its affiliates and attribution parties, to beneficially own a number of shares of common stock which would exceed 4.99% or 9.99%, as applicable, of our then outstanding common stock following such conversion, excluding for purposes of such determination shares of common stock issuable upon conversion of shares of Series A convertible preferred stock which have not been converted and issuable upon exercise of warrants which have not been exercised. The number of shares in the second and fifth columns do not reflect these limitations, but the percentages set forth in the third and sixth columns give effect to these limitations. The selling stockholders may sell all, some or none of their shares in this offering. See "Plan of Distribution."

Name of Selling Stockholder	Shares Beneficially Owned Prior to the Offering		Number of Shares Being Offered	Shares Beneficially Owned After Completion of the Offering	
	Number	Percentage		Number	Percentage
Bigger Capital Fund LP (1)	238,970	3.11%	477,940	0	0%
Cavalry Fund I LP (2)	160,146	2.11%	320,292	0	0%
Cavalry Investment Fund LP (3)	82,500	1.10%	165,000	0	0%
Anson East Master Fund LP (4)	183,822	2.41%	367,644	0	0%
Anson Investments Master Fund LP (5)	551,470	4.99%	1,102,940	0	0%
Sabby Volatility Warrant Master Fund, LTD (6)	955,882	4.99%	1,911,764	0	0%
Empery Asset Master LTD (7)	327,204	4.22%	654,408	0	0%
Empery Tax Efficient LP (8)	87,940	1.17%	175,880	0	0%
Empery Tax Efficient III, LP (9)	99,558	1.32%	199,116	0	0%
Hudson Bay Master Fund Ltd. (10)	735,294	9.00%	1,470,588	0	0%
CVI Investments, Inc. (11)	750,000	4.99%	1,500,000	0	0%
Evergreen Capital Management LLC (12)	294,116	3.81%	588,232	0	0%
District 2 Capital Fund LP (13)	238,970	3.11%	477,940	0	0%

(1) The number of shares in the second column includes (a) 119,485 shares of common stock issuable upon conversion of 1,625 shares of Series A convertible preferred stock, and (b) 119,485 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 238,970 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 1,625 shares of Series A convertible preferred stock, and (b) 238,970 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Bigger Capital Fund GP, LLC (“Bigger GP”) is a general partner of Bigger Capital Fund, LP (“Bigger Capital”) and District 2 Capital LP (“District 2”) is the investment manager of District 2 Capital Fund LP (“District 2 CF”). Michael Bigger is the managing member of Bigger GP and District and District 2 Holdings LLC (“District 2 Holdings”), which is the managing member of District 2 GP LLC (“District 2 GP”), the general partner of District 2 CF. Therefore, Mr. Bigger, District 2, District 2 Holdings and District 2 CF may be deemed to be the beneficial owner, and have the shared power to dispose of or direct the disposition, of the shares reported as beneficially owned by District 2 CF and Mr. Bigger and Bigger GP may be deemed to be the beneficial owner, and have the shared power to dispose of or direct the disposition, of the shares reported as beneficially owned by Bigger Capital and District 2 CF.

(2) The number of shares in the second column includes (a) 80,073 shares of common stock issuable upon conversion of 1,089 shares of Series A convertible preferred stock, and (b) 80,073 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 160,146 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 1,089 shares of Series A convertible preferred stock, and (b) 160,146 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Cavalry Fund I Management LLC is the general partner of Cavalry Fund I, LP. Thomas Walsh is the Manager of Cavalry Fund I Management, LLC. As such Cavalry Fund I Management, LLC and Mr. Walsh may be deemed to beneficially own the securities held by Cavalry Fund I, LP. Mr. Walsh has sole voting and dispositive power with respect to the shares of common stock held by Cavalry Fund I LP. The address of Cavalry Fund I LP is 82 E. Allendale Road, Suite 5B, Saddle River, New Jersey 07458.

- (3) The number of shares in the second column includes (a) 41,250 shares of common stock issuable upon conversion of 561 shares of Series A convertible preferred stock, and (b) 41,250 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 82,500 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 561 shares of Series A convertible preferred stock, and (b) 82,500 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Cavalry Fund I Management LLC is the general partner of Cavalry Fund I, LP. Thomas Walsh is the Manager of Cavalry Fund I Management, LLC. As such Cavalry Fund I Management, LLC and Mr. Walsh may be deemed to beneficially own the securities held by Cavalry Fund I, LP. Mr. Walsh has sole voting and dispositive power with respect to the shares of common stock held by Cavalry Fund I LP. The address of Cavalry Fund I LP is 82 E. Allendale Road, Suite 5B, Saddle River, New Jersey 07458.
- (4) The number of shares in the second column includes (a) 91,911 shares of common stock issuable upon conversion of 1,250 shares of Series A convertible preferred stock, and (b) 91,911 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 183,822 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 1,250 shares of Series A convertible preferred stock, and (b) 183,822 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Anson Advisers Inc. and Anson Funds Management LP, the Co-Investment Advisers of Anson East Master Fund LP (“Anson”), hold voting and dispositive power over the Common Shares held by Anson. Bruce Winson is the managing member of Anson Management GP LLC, which is the general partner of Anson Funds Management LP. Moez Kassam and Amin Nathoo are directors of Anson Advisers Inc. Mr. Wilson, Mr. Kassam and Mr. Nathoo each disclaim beneficial ownership of these Common Shares except to the extent of their pecuniary interest therein. The principal business address of Anson is Walkers Corporate Limited, Cayman Corporate Centre, 27 Hospital Road, George Town, Grand Cayman KY1-9008, Cayman Islands.
- (5) The number of shares in the second column includes (a) 275,735 shares of common stock issuable upon conversion of 3,750 shares of Series A convertible preferred stock, and (b) 275,735 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 551,470 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 3,750 shares of Series A convertible preferred stock, and (b) 551,470 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Anson Advisers Inc. and Anson Funds Management LP, the Co-Investment Advisers of Anson Investments Master Fund LP (“Anson”), hold voting and dispositive power over the Common Shares held by Anson. Bruce Winson is the managing member of Anson Management GP LLC, which is the general partner of Anson Funds Management LP. Moez Kassam and Amin Nathoo are directors of Anson Advisers Inc. Mr. Winson, Mr. Kassam and Mr. Nathoo each disclaim beneficial ownership of these Common Shares except to the extent of their pecuniary interest therein. The principal business address of Anson is Walkers Corporate Limited, Cayman Corporate Centre, 27 Hospital Road, George Town, Grand Cayman KY1-9008, Cayman Islands.

- (6) The number of shares in the second column includes (a) 477,941 shares of common stock issuable upon conversion of 6,500 shares of Series A convertible preferred stock, and (b) 477,941 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 955,882 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 6,500 shares of Series A convertible preferred stock, and (b) 955,882 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Sabby Management, LLC is the investment manager of Sabby Volatility Warrant Master Fund, Ltd. and shares voting and investment power with respect to these shares in this capacity. As manager of Sabby Management, LLC, Hal Mintz also shares voting and investment power on behalf of Sabby Volatility Warrant Master Fund, Ltd. The address of the Sabby Volatility Warrant Master Fund, Ltd. is c/o Sabby Management, LLC, 10 Mountainview Road, Suite 205, Upper Saddle River, NJ 07458. Each of Sabby Management, LLC and Hal Mintz disclaims beneficial ownership over the securities listed except to the extent of their pecuniary interest therein.
- (7) The number of shares in the second column includes (a) 163,602 shares of common stock issuable upon conversion of 2,225 shares of Series A convertible preferred stock, and (b) 163,602 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 327,204 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 2,225 shares of Series A convertible preferred stock, and (b) 327,204 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Empery Asset Management LP, the authorized agent of Empery Asset Master Ltd (“EAM”), has discretionary authority to vote and dispose of the shares held by EAM and may be deemed to be the beneficial owner of these shares. Martin Hoe and Ryan Lane, in their capacity as investment managers of Empery Asset Management LP, may also be deemed to have investment discretion and voting power over the shares held by EAM. EAM, Mr. Hoe and Mr. Lane each disclaim any beneficial ownership of these shares.
- (8) The number of shares in the second column includes (a) 43,970 shares of common stock issuable upon conversion of 598 shares of Series A convertible preferred stock, and (b) 43,970 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 87,940 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 598 shares of Series A convertible preferred stock, and (b) 87,940 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Empery Asset Management LP, the authorized agent of Empery Tax Efficient, LP (“ETE”), has discretionary authority to vote and dispose of the shares held by ETE and may be deemed to be the beneficial owner of these shares. Martin Hoe and Ryan Lane, in their capacity as investment managers of Empery Asset Management LP, may also be deemed to have investment discretion and voting power over the shares held by ETE. ETE, Mr. Hoe and Mr. Lane each disclaim any beneficial ownership of these shares.

- (9) The number of shares in the second column includes (a) 49,779 shares of common stock issuable upon conversion of 677 shares of Series A convertible preferred stock, and (b) 49,779 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 99,558 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 677 shares of Series A convertible preferred stock, and (b) 99,558 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Empery Asset Management LP, the authorized agent of Empery Tax Efficient III, LP (“ETE III”), has discretionary authority to vote and dispose of the shares held by ETE III and may be deemed to be the beneficial owner of these shares. Martin Hoe and Ryan Lane, in their capacity as investment managers of Empery Asset Management LP, may also be deemed to have investment discretion and voting power over the shares held by ETE III. ETE III, Mr. Hoe and Mr. Lane each disclaim any beneficial ownership of these shares.
- (10) The number of shares in the second column includes (a) 367,647 shares of common stock issuable upon conversion of 5,000 shares of Series A convertible preferred stock, and (b) 367,647 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 735,294 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 5,000 shares of Series A convertible preferred stock, and (b) 735,294 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Hudson Bay Capital Management LP, the investment manager of Hudson Bay Master Fund Ltd., has voting and investment power over these securities. Sander Gerber is the managing member of Hudson Bay Capital GP LLC, which is the general partner of Hudson Bay Capital Management LP. Each of Hudson Bay Master Fund Ltd. and Sander Gerber disclaims beneficial ownership over these securities. The business address for this selling stockholder is c/o Hudson Bay Capital Management LP, 28 Havemeyer Place, 2nd Floor, Greenwich, CT 06830.
- (11) The number of shares in the second column includes (a) 375,000 shares of common stock issuable upon conversion of 5,100 shares of Series A convertible preferred stock, and (b) 375,000 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 750,000 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 5,100 shares of Series A convertible preferred stock, and (b) 750,000 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Heights Capital Management, Inc., the authorized agent of CVI Investments, Inc. (“CVI”), has discretionary authority to vote and dispose of the shares held by CVI and may be deemed to be the beneficial owner of these shares. Martin Kobinger, in his capacity as Investment Manager of Heights Capital Management, Inc., may also be deemed to have investment discretion and voting power over the shares held by CVI. Mr. Kobinger disclaims any such beneficial ownership of the shares. CVI Investments, Inc. is affiliated with one or more FINRA member, none of whom are currently expected to participate in the resales pursuant to this prospectus.

- (12) The number of shares in the second column includes (a) 147,058 shares of common stock issuable upon conversion of 2,000 shares of Series A convertible preferred stock, and (b) 147,058 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 294,116 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 2,000 shares of Series A convertible preferred stock, and (b) 294,116 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Jeffrey Pazdro is the managing member of Evergreen Capital Management LLC (“Evergreen”) and has sole voting control and investment discretion over the securities held by Evergreen. Mr. Pazdro disclaims beneficial ownership over the securities listed except to the extent of his pecuniary interest therein. The principal business address of Evergreen is 156 West Saddle River Road, Saddle River, NJ 07458.
- (13) The number of shares in the second column includes (a) 119,485 shares of common stock issuable upon conversion of 1,625 shares of Series A convertible preferred stock, and (b) 119,485 shares of common stock issuable upon exercise of warrants. The number of shares in the fourth column includes (a) 238,970 shares of common stock, representing 200% of the number of shares of common stock issuable upon conversion of 1,625 shares of Series A convertible preferred stock, and (b) 238,970 shares of common stock, representing 200% of the number of shares of common stock issuable upon exercise of warrants. Bigger Capital Fund GP, LLC (“Bigger GP”) is a general partner of Bigger Capital Fund, LP (“Bigger Capital”) and District 2 Capital LP (“District 2”) is the investment manager of District 2 Capital Fund LP (“District 2 CF”). Michael Bigger is the managing member of Bigger GP and District and District 2 Holdings LLC (“District 2 Holdings”), which is the managing member of District 2 GP LLC (“District 2 GP”), the general partner of District 2 CF. Therefore, Mr. Bigger, District 2, District 2 Holdings and District 2 CF may be deemed to be the beneficial owner, and have the shared power to dispose of or direct the disposition, of the shares reported as beneficially owned by District 2 CF and Mr. Bigger and Bigger GP may be deemed to be the beneficial owner, and have the shared power to dispose of or direct the disposition, of the shares reported as beneficially owned by Bigger Capital and District 2 CF.

DESCRIPTION OF SECURITIES

The following summary of the general terms and provisions of our capital stock does not purport to be complete and is based upon and qualified by reference to our amended and restated articles of incorporation, restated bylaws and the certificate of designation for our Series A convertible preferred stock (the "CoD"). We encourage you to read our amended and restated articles of incorporation, restated bylaws, the CoD and the applicable provisions of the Minnesota Business Corporation Act, or MBCA, for additional information.

Authorized Shares of Capital Stock

As of the date hereof, our authorized is 37,500,000 shares of common stock, par value \$0.05 per share and 3,000,000 shares of preferred stock, \$1.00 par value per share. As of August 15, 2022, we had 7,435,586 shares of common stock outstanding and 32,000 shares of Series A convertible preferred stock outstanding.

Preferred Stock

The following is a summary of material terms of our Series A convertible preferred stock.

Generally, holders of the Series A convertible preferred stock are not entitled to voting rights. However, as long as any shares of Series A convertible preferred stock are outstanding, we may not, without the affirmative vote of the Required Holders (as defined in the CoD):

- alter or change adversely the powers, preferences or rights given to the Series A convertible preferred stock or alter or amend the CoD;
- authorize or create any class of stock ranking as to redemption senior to the Series A convertible preferred stock;
- amend our amended and restated articles of incorporation or other charter documents in any manner that adversely affects any rights of the holders of Series A convertible preferred stock;
- increase the number of authorized shares of Series A convertible preferred stock; or
- enter into any agreement with respect to any of the foregoing.

Each share of Series A convertible preferred stock will be convertible, at any time after issuance and at the option of the holder, into a number of shares of our common stock determined by dividing the "Stated Value" of such share by the "Conversion Price." The Stated Value per share of Series A convertible preferred stock is \$1,000 and the Conversion Price per share of Series A convertible preferred stock is \$13.60, subject to adjustment. The shares of common stock issuable upon conversion of the Series A convertible preferred stock are referred to as the "conversion shares."

The conversion price is subject to adjustment if, at any time while the Series A convertible preferred stock is outstanding, we issue, sell, publicly announces the contemplated issuance or sale of, or are deemed to have issued or sold, any shares of common stock or common stock equivalents for an effective price per share that is lower than the then conversion price, subject to limited exceptions for exempt issuances. In the case of any such dilutive issuance, the conversion price then in effect will be reduced to an amount equal to the lesser of the effective price per share in such dilutive issuance and the lowest volume weighted average price (VWAP) of our common stock on any trading day during the 5 trading days immediately following the public announcement of the execution of the dilutive issuance. If we enter into a Variable Rate Transaction, despite the prohibition set forth in the securities purchase agreement, we will be deemed to have issued common stock or common stock equivalents at the lowest possible price, conversion price or exercise price at which such securities may be issued, converted or exercised.

We will not effect any conversion of the Series A convertible preferred stock, and a holder will not have the right to convert any portion of the Series A convertible preferred stock, to the extent that, after giving effect to the conversion, such holder together with such holder's affiliates and other attribution parties would beneficially own in excess of the beneficial ownership limitation. The beneficial ownership limitation is 4.99% (or, upon election by a holder prior to the issuance of any Series A convertible preferred stock, 9.99%) of the number of shares of common stock outstanding immediately after giving effect to the issuance of shares of common stock issuable upon conversion of the Series A convertible preferred stock held by the applicable holder. A holder, upon notice to us, may increase or decrease its applicable beneficial ownership limitation provided that the beneficial ownership limitation in no event exceeds 9.99% of the number of shares of common stock outstanding immediately after giving effect to the issuance of shares of common stock upon conversion of Series A convertible preferred stock held by the holder. Any increase in the beneficial ownership limitation will not be effective until the 61st day after such notice is delivered to us and will only apply to the holder giving the notice and no other holder.

If we fail to deliver the conversion shares by the required delivery date and shares of common stock are purchased to deliver in satisfaction of a sale by such converting holder of the conversion shares, we will have an obligation to make a cash payment and, that the converting holder's option, to issue shares to that holder. The cash obligation will be equal to the amount, if any, by which (x) such holder's total purchase price (including any brokerage commissions) for the common stock so purchased exceeds (y) the product of (1) the aggregate number of shares of common stock that such holder was entitled to receive from the conversion at issue multiplied by (2) the actual sale price at which the sell order giving rise to such purchase obligation was executed (including any brokerage commissions). If the converting holder requires us to issue shares, then we must either reissue (if surrendered) the shares of Series A convertible preferred stock equal to the number of shares of Series A convertible preferred stock submitted for conversion (in which case, such conversion will be deemed rescinded) or deliver to such holder the number of shares of common stock that would have been issued if we had timely complied with its delivery requirements.

If after the 10th trading day following the effective date of the registration statement for the conversion shares, the volume weighted average price (VWAP) for each trading day during any 10 consecutive trading day period exceeds 200% of the then effective conversion price and the daily dollar trading volume for our common stock exceeds \$5 million on each trading day during this period, we may require each holder to convert all or part of such holder's Series A convertible preferred stock plus all accrued but unpaid dividends thereon and all liquidated damages and other amounts due in respect of the Series A convertible preferred stock. For any shares of Series A convertible preferred stock that remain unconverted and outstanding because of the beneficial ownership limitation, we may elect to repurchase all or a portion of such unconverted shares from each such holder at a price per unconverted share of Series A convertible preferred stock equal to the quotient obtained by dividing the stated value by the then-current conversion price and then multiplying such quotient by the greater of (i) the closing sale price of the common stock on the date of the forced conversion and (ii) the closing sale price of the common stock as of the trading day immediately prior to the date of the notice of repurchase.

If there is any Fundamental Transaction (as defined in the CoD) while the Series A convertible preferred stock is outstanding, then, upon any subsequent conversion of the Series A convertible preferred stock, the holder will have the right to receive, for each conversion share that would have been issuable upon such conversion immediately prior to the occurrence of such Fundamental Transaction (without regard to any beneficial ownership limitation), the number of shares of common stock of the successor or acquiring corporation or of us, if it is the surviving corporation, and any additional consideration receivable as a result of such Fundamental Transaction by a holder of the number of shares of common stock for which the Series A convertible preferred stock is convertible immediately prior to such Fundamental Transaction (without regard to any beneficial ownership limitation). We must cause any successor entity in a Fundamental Transaction in which we are not the survivor to assume in writing all of the obligations of us under the CoD. The CoD provides that the consummation of the transactions contemplated by the merger agreement will not be deemed a Fundamental Transaction. The term Fundamental Transaction has substantially the same meaning as in the warrant issued in the PIPE Offering.

Common Stock

Holders of our common stock are entitled to one vote for each share held of record on all matters submitted to a vote of the shareholders and do not have cumulative voting rights. Except as otherwise provided by law, our amended and restated articles of incorporation or our restated bylaws, matters will generally be decided by the vote of the holders of a majority of the voting power present in person (which includes attendance by means of remote communication) or represented by proxy. Our restated bylaws provide that the authorized number of directors will be fixed by the shareholders at each annual meeting and that either the shareholders or the board of directors may increase or decrease the number of directors. Our board of directors is not classified.

Holders of our common stock are entitled to receive dividends declared by our board of directors out of funds legally available for the payment of dividends. In the event of any liquidation, dissolution or winding-up of our affairs, holders of common stock will be entitled to share ratably in our assets that are remaining after payment or provision for payment of all of our debts and obligations.

Holders of common stock have no preemptive, conversion or subscription rights, and there are no redemption provisions applicable to the common stock.

All outstanding shares of our common stock are fully paid and nonassessable.

The transfer agent and registrar for our common stock is Equiniti Trust Company, 1110 Centre Pointe Curve, Suite 101, South St. Paul, Minnesota 55120-4100.

Our common stock is currently listed on The Nasdaq Stock Market LLC under the trading symbol "PEGY."

Registration Rights Agreement

In connection with the securities purchase agreement, we entered into a registration rights agreement dated September 15, 2021 with the selling stockholders. Pursuant to the registration rights agreement, we agreed to file a registration statement to register for resale common stock issuable upon conversion of the Series A convertible preferred stock and the common stock issuable upon exercise of the warrants issued pursuant to the securities purchase agreement.

Anti-Takeover Effects of Provisions of Our Amended and Restated Articles of Incorporation, the Restated Bylaws and Minnesota Law

Specific provisions of Minnesota law, our amended and restated articles of incorporation and restated bylaws may be deemed to have an anti-takeover effect.

Our restated bylaws establish an advance notice procedure with regard to (i) certain business to be brought before our annual meeting of shareholders and (ii) the nomination by shareholders of candidates for election as directors.

Properly Brought Business

Our restated bylaws provide that at the annual meeting only such business may be conducted as is of a nature that is appropriate for consideration at an annual meeting and has been either specified in the notice of the meeting, otherwise properly brought before the meeting by or at the direction of our board of directors, or otherwise properly brought before the meeting by a shareholder who has given timely written notice to our Secretary of the shareholder's intention to bring the business before the meeting. To be timely, the notice must be given by such shareholder to our Secretary not less than 45 days or more than 75 days prior to a meeting date corresponding to the previous year's annual meeting. Notice relating to the conduct of such business at an annual meeting must contain certain information as described in our restated bylaws, which are available for inspection by shareholders at our principal executive offices pursuant to Section 302A.441, subd. 4 of the Minnesota Statutes. Nothing in our restated bylaws precludes discussion by any shareholder of any business properly brought before the annual meeting in accordance with the restated bylaws.

Shareholder Nominations

Our restated bylaws provide that a notice of proposed shareholder nominations for the election of directors must be timely given in writing to our Secretary prior to the meeting at which directors are to be elected. To be timely, the notice must be given by the shareholder to our Secretary not less than 45 days or more than 75 days prior to a meeting date corresponding to the previous year's annual meeting. The notice to us from a shareholder who intends to nominate a person at the meeting for election as a director must contain certain information as described in our restated bylaws, which are available for inspection by shareholders as described above. If the presiding officer of a meeting of shareholders determines that a person was not nominated in accordance with the foregoing procedure, that person will not be eligible for election as a director.

Shareholder Meetings

Under our restated bylaws, regular meetings of our shareholders may be called only by our board of directors, or by written consent of all the shareholders entitled to vote at the annual meeting. If the board fails to designate a time for a regular meeting for any consecutive period of 15 months, the board must cause such regular meeting to be called within 90 days of receipt of the written demand of any shareholder owning one percent or more of all voting shares of the corporation

Under our restated bylaws, special meetings of our shareholders may be called by the chief executive officer, the chief financial officer, any two or more directors, or upon request by shareholders holding ten percent or more of the voting power of the shareholders.

Voting Percentage Approval Required for Designated Actions

In addition to any affirmative vote required by law or our amended and restated articles of incorporation, the following actions require the affirmative vote of not less than two-thirds of the votes entitled to be cast by the holders of all then outstanding shares of voting stock, voting together as a single class:

(a) any sale, lease, mortgage, pledge, transfer, exchange or other disposition of all or substantially all of the property and assets of the corporation to any person;

(b) any reclassification of securities (including any combination of shares or reverse stock split), or recapitalization or reorganization of the corporation, or any merger, consolidation or statutory exchange of shares of the corporation or any subsidiary with any other corporation (other than a merger of a wholly owned subsidiary of the corporation into the corporation or the merger of two or more wholly owned subsidiaries of the corporation);

(c) the adoption of plan or proposal for the liquidation or dissolution of the corporation; and

(d) any agreement, contract or other arrangement or understanding providing for one or more of the foregoing.

In addition to any affirmative vote required by law or our amended and restated articles of incorporation, a Business Combination (as defined in the amended and restated articles of incorporation) requires the affirmative vote of not less than 80% of the votes entitled to be cast by the holders of all then outstanding shares of voting stock, voting together as a single class. This requirement is not applicable, however, if the particular Business Combination is either (a) approved by a majority of the Continuing Directors (as defined in our amended and restated articles of incorporation), or (b) meets specific requirements with respect to price and approval process. Repeal or amendment of this requirement in the amended and restated articles of incorporation requires affirmative vote of not less than 80% of the votes entitled to be cast by the holders of all then outstanding shares of voting stock, voting together as a single class.

Provisions of Minnesota Law

The following provisions of the MBCA may have an effect of delaying, deterring or preventing an unsolicited takeover of us or make an unsolicited takeover of us more difficult.

- MBCA Section 302A.553, (Power to acquire shares) subd 3, limitation on share purchases prohibits a publicly held corporation such as us from purchasing shares entitled to vote for more than market value from a person that beneficially owns more than 5% of the voting power of the corporation if the shares have been beneficially owned for less than two years unless the purchase or agreement to purchase is approved at a meeting of shareholders by the affirmative vote of the holders of a majority of the voting power of all shares entitled to vote or the corporation makes an offer, of at least equal value per share, to all shareholders for all other shares of that class or series and any other class or series into which they may be converted.
- MBCA Section 302A.671 (Control share acquisitions) provides that shares of an “issuing public corporation,” such as us, acquired by an “acquiring person” in a “control share acquisition” that exceed the threshold of voting power of any of the three ranges identified below will not have voting rights, unless the issuing public company’s shareholders vote to accord these shares the voting rights normally associated with these shares. A “control share acquisition” is an acquisition, directly or indirectly, by an “acquiring person” (as defined in the MBCA) of beneficial ownership of shares of an issuing public corporation that, but for Section 302A.671, would, when added to all other shares of the issuing public corporation beneficially owned by the acquiring person, entitle the acquiring person, immediately after the acquisition, to exercise or direct the exercise of a new range of voting power of the issuing public corporation with any of the following three ranges: (i) at least 20 percent but less than 33-1/3 percent; (ii) at least 33-1/3 percent but less than or equal to 50 percent; and (iii) over 50 percent. The issuing public company also has an option to call for redemption all, but not less than all, shares acquired in the control share acquisition that exceed the threshold of voting power of any of the specified ranges at a price equal to the fair market value of the shares at the time the call is given if (i) the acquiring person fails to deliver the information statement to the issuing public company by the tenth day after the control share acquisition; or (ii) shareholders have voted not to accord voting rights to the shares acquired in the control share acquisition.
- MBCA Section 302A.673 (Business combinations) prohibits a public Minnesota corporation, such as us, from engaging in a business combination with an interested shareholder for a period of four years after the date of the transaction in which the person became an interested shareholder, unless either (i) the business combination or (ii) the acquisition by which the person becomes an interested shareholder is approved in a prescribed manner before the person became an interested shareholder. The term “business combination” includes mergers, asset sales and other transactions resulting in a financial benefit to the interested shareholder. An “interested shareholder” is a person who is the beneficial owner, directly or indirectly, of 10% or more of a corporation’s voting stock, or who is an affiliate or associate of the corporation, and who, at any time within four years before the date in question, was the beneficial owner, directly or indirectly, of 10% or more of the corporation’s outstanding voting stock.

- If a takeover offer is made for our stock, MBCA Section 302A.675 (Takeover offer; fair price) precludes the offeror from acquiring additional shares of stock (including in acquisitions pursuant to mergers, consolidations or statutory share exchanges) within two years following the completion of the takeover offer, unless shareholders selling their shares in the later acquisition are given the opportunity to sell their shares on terms that are substantially the same as those contained in the earlier takeover offer. A “takeover offer” is a tender offer that results in an offeror who owned ten percent or less of a class of our shares acquiring more than ten percent of that class, or that results in the offeror increasing its beneficial ownership of a class of our shares by more than ten percent of the class, if the offeror owned ten percent or more of the class before the takeover offer. Section 302A.675 does not apply if a committee of our board of directors formed in accordance with Section 302A.675 approves the proposed acquisition before any shares are acquired pursuant to the earlier tender offer.

DESCRIPTION OF DEBT SECURITIES

This section describes the general terms and provisions of our debt securities, which could be senior debt securities or subordinated debt securities. A prospectus supplement will describe the specific terms of the debt securities offered through that prospectus supplement and any general terms outlined in this section that will not apply to those debt securities.

The senior debt securities will be issued under an indenture, referred to herein as the “senior indenture,” between us and the trustee named in the applicable prospectus supplement. The subordinated debt securities will be issued under an indenture, referred to herein as the “subordinated indenture,” between us and the trustee named in the applicable prospectus supplement.

We have summarized the anticipated material terms and provisions of the senior and subordinated indentures in this section. We have also filed the forms of the indentures summarized in this section as exhibits to the registration statement of which this prospectus is a part. You should read the applicable indenture for additional information before you buy any debt securities. The summary that follows includes references to section numbers of the indentures so that you can more easily locate these provisions.

General

The debt securities will be our direct unsecured obligations. Neither of the indentures limits the amount of debt securities that we may issue. Both indentures permit us to issue debt securities from time to time and debt securities issued under an indenture will be issued as part of a series that has been established by us under such indenture.

The senior debt securities will be unsecured and will rank equally with all of our other unsecured unsubordinated debt. The subordinated debt securities will be unsecured and will rank equally with all of our other subordinated debt securities and, together with such other subordinated debt securities, will be subordinated to all of our existing and future Senior Debt (as defined below). See “- Subordination” below.

The debt securities are our unsecured senior or subordinated debt securities, as the case may be, but our assets include equity in our subsidiaries. As a result, our ability to make payments on our debt securities may depend in part on our receipt of dividends, loan payments and other funds from our subsidiaries. In addition, if any of our subsidiaries becomes insolvent, the direct creditors of that subsidiary will have a prior claim on its assets. Our rights and the rights of our creditors, including your rights as an owner of our debt securities, will be subject to that prior claim, unless we are also a direct creditor of that subsidiary. This subordination of creditors of a parent company to prior claims of creditors of its subsidiaries is commonly referred to as structural subordination.

Unless otherwise specified in the applicable prospectus supplement, we may, without the consent of the holders of a series of debt securities, issue additional debt securities of that series having the same ranking and the same interest rate, maturity date and other terms (except for the price to public and issue date) as such debt securities. Any such additional debt securities, together with the initial debt securities, will constitute a single series of debt securities under the applicable indenture. No additional debt securities of a series may be issued if an event of default under the applicable indenture has occurred and is continuing with respect to that series of debt securities.

A prospectus supplement relating to a series of debt securities being offered will include specific terms relating to the offering. These terms will include some or all of the following:

- the title and type of the debt securities;
- any limit on the total principal amount of the debt securities of that series;
- the price at which the debt securities will be issued;
- the date or dates on which the principal of and premium, if any, on the debt securities will be payable;
- the maturity date or dates of the debt securities or the method by which those dates can be determined;
- if the debt securities will bear interest:
- the interest rate on the debt securities or the method by which the interest rate may be determined;
- the date from which interest will accrue;
- the record and interest payment dates for the debt securities; and
- the first interest payment date;
- the place or places where:
- we can make payments on the debt securities;
- the debt securities can be surrendered for registration of transfer or exchange; and
- notices and demands can be given to us relating to the debt securities and under the applicable indenture;
- any optional redemption provisions that would permit us to elect redemption of the debt securities, or the holders of the debt securities to elect repayment of the debt securities, before their final maturity;
- any sinking fund provisions that would obligate us to redeem the debt securities before their final maturity;
- whether the debt securities will be convertible and, if so, the terms and conditions of any such conversion;

- if the debt securities will be issued in bearer form, the terms and provisions contained in the bearer securities and in the applicable indenture specifically relating to the bearer securities;
- whether all or part of the debt securities will not be issued as permanent global securities and the extent to which the description of the book-entry procedures described below under “- Book- Entry, Delivery and Form” will not apply to such global securities - a “global security” is a debt security that we issue in accordance with the applicable indenture to represent all or part of a series of debt securities;
- whether all or part of the debt securities will be issued in whole or in part as temporary global securities and, if so, the depositary for those temporary global securities and any special provisions dealing with the payment of interest and any terms relating to the ability to exchange interests in a temporary global security for interests in a permanent global security or for definitive debt securities;
- whether any additional amounts will be payable;
- the denominations of the debt securities, if other than \$1,000 and any integral multiple thereof for registered securities, and \$5,000 for bearer securities;
- any portion of the principal amount of debt securities that shall be payable upon acceleration;
- the currency or currencies in which the debt securities will be denominated and payable, if other than U.S. dollars and, if a composite currency, any special provisions relating thereto;
- any circumstances under which the debt securities may be paid in a currency other than the currency in which the debt securities are denominated and the manner in which the exchange rate shall be determined;
- whether the provisions described below under the heading “- Defeasance” will not apply to the debt securities;
- any events of default that will apply to the debt securities in addition to those contained in the applicable indenture;
- any additions or changes to the covenants contained in the applicable indenture and the ability, if any, of the holders to waive our compliance with those additional or changed covenants;
- the identity of the trustee, security registrar and paying agent for the debt securities;
- any material tax implications of the debt securities;

- any special provisions relating to the payment of any additional amounts on the debt securities; and
- any other terms of the debt securities.

When we use the term “holder” in this prospectus with respect to a registered debt security, we mean the person in whose name such debt security is registered in the security register.

Exchange and Transfer

At the option of the holder, any debt securities of a series can be exchanged for other debt securities of that series so long as the other debt securities are denominated in authorized denominations and have the same aggregate principal amount and same terms as the debt securities that were surrendered for exchange, subject to limitations with respect to bearer securities in global form. The debt securities may be presented for registration of transfer, duly endorsed or accompanied by a satisfactory written instrument of transfer, at the office or agency maintained by us for that purpose in any place of payment that we may designate. However, holders of global securities may transfer and exchange global securities only in the manner and to the extent set forth under “- Book-Entry, Delivery and Form” below. There will be no service charge for any registration of transfer or exchange of the debt securities, but we may require holders to pay any tax or other governmental charge payable in connection with a transfer or exchange of the debt securities. If the applicable prospectus supplement refers to any office or agency, in addition to the security registrar, initially designated by us where holders can surrender the debt securities for registration of transfer or exchange, we may at any time rescind the designation of any such office or agency or approve a change in the location. However, we will be required to maintain an office or agency in each place of payment for that series.

We will not be required to:

- issue, register the transfer of or exchange debt securities to be redeemed for a period of 15 calendar days preceding the mailing of the relevant notice of redemption; or
- register the transfer of or exchange any registered debt security selected for redemption, in whole or in part, except the unredeemed or unpaid portion of that registered debt security being redeemed in part.

Interest and Principal Payments

Payments. Holders may present debt securities for payment of principal, premium, if any, and interest, if any, register the transfer of the debt securities and exchange the debt securities at the agency maintained by us for such purpose and identified in the applicable prospectus supplement. We refer to the applicable trustee acting in the capacity of a paying agent for the debt securities as the “paying agent.”

Any money that we pay to the paying agent for the purpose of making payments on the debt securities and that remains unclaimed two years after the payments were due will, at our request, be returned to us and after that time any holder of a debt security can only look to us for the payments on the debt security.

Recipients of Payments. The paying agent will pay interest to the person in whose name the debt security is registered at the close of business on the applicable record date. However, upon maturity, redemption or repayment, the paying agent will pay any interest due to the person to whom it pays the principal of the debt security. The paying agent will make the payment on the date of maturity, redemption or repayment, whether or not that date is an interest payment date. An “interest payment date” for any debt security means a date on which, under the terms of that debt security, regularly scheduled interest is payable.

Book-Entry Debt Securities. The paying agent will make payments of principal, premium, if any, and interest, if any, to the account of The Depository Trust Company, referred to herein as “DTC,” or other depository specified in the applicable prospectus supplement, as holder of book-entry debt securities, by wire transfer of immediately available funds. The “depository” means the depository for global securities issued under the applicable indenture and, unless provided otherwise in the applicable prospectus supplement, means DTC. We expect that the depository, upon receipt of any payment, will immediately credit its participants’ accounts in amounts proportionate to their respective beneficial interests in the book-entry debt securities as shown on the records of the depository. We also expect that payments by the depository’s participants to owners of beneficial interests in the book-entry debt securities will be governed by standing customer instructions and customary practices and will be the responsibility of those participants.

Certificated Debt Securities. Except as indicated below for payments of interest at maturity, redemption or repayment, the paying agent will make payments of interest either:

- by check mailed to the address of the person entitled to payment as shown on the security register; or
- by wire transfer to an account designated by a holder, if the holder has given written notice not later than 10 calendar days prior to the applicable interest payment date.

Redemption and Repayment of Debt Securities

Optional Redemption by Us. If applicable, the prospectus supplement will indicate the terms of our option to redeem the debt securities. We will mail a notice of redemption to each holder which, in the case of global securities, will be the depository, as holder of the global securities, by first-class mail, postage prepaid, at least 30 days and not more than 60 days prior to the date fixed for redemption, or within the redemption notice period designated in the applicable prospectus supplement, to the address of each holder as that address appears upon the books maintained by the security registrar.

A partial redemption of the debt securities may be effected by such method as required by us, the registrar or the trustee, and may provide for the selection for redemption of a portion of the principal amount of debt securities held by a holder equal to an authorized denomination. If we redeem less than all of the debt securities and the debt securities are then held in book-entry form, the redemption will be made in accordance with the depository’s customary procedures. We have been advised that it is DTC’s practice to determine by the lot the amount of each participant in the debt securities to be redeemed.

Unless we default in the payment of the redemption price, on and after the redemption date interest will cease to accrue on the debt securities called for redemption.

Repayment at Option of Holder. If applicable, the prospectus supplement relating to a series of debt securities will indicate that the holder has the option to have us repay a debt security of that series on a date or dates specified prior to its stated maturity date. Unless otherwise specified in the applicable prospectus supplement, the repayment price will be equal to 100% of the principal amount of the debt security, together with accrued interest to the date of repayment.

Each holder desiring to exercise such holder's option for repayment shall surrender the debt security to be repaid, together with written notice of the exercise, at least 30 days but not more than 45 days prior to the repayment date, at any of our offices or agencies in a place of payment, setting forth the principal amount of the debt security, the principal amount of the debt security to be repaid, and in the case of partial repayment, shall specify the denomination or denominations of the debt securities of the same series and the portion of the principal amount which is not to be repaid.

Exercise of the repayment option by the holder of a debt security will be irrevocable. The holder may exercise the repayment option for less than the entire principal amount of the debt security but, in that event, the principal amount of the debt security remaining outstanding after repayment must be an authorized denomination.

If a debt security is represented by a global security, the depository or the depository's nominee will be the holder of the debt security and therefore will be the only entity that can exercise a right to repayment. In order to ensure that the depository's nominee will timely exercise a right to repayment of a particular debt security, the beneficial owner of the debt security must instruct the broker or other direct or indirect participant through which it holds an interest in the debt security to notify the depository of its desire to exercise a right to repayment. Different firms have different cut-off times for accepting instructions from their customers and, accordingly, each beneficial owner should consult the broker or other direct or indirect participant through which it holds an interest in a debt security in order to ascertain the cut-off time by which an instruction must be given in order for timely notice to be delivered to the depository.

We may purchase debt securities at any price in the open market or otherwise. Debt securities so purchased by us may, at our discretion, be held or resold or surrendered to the applicable trustee for cancellation.

Denominations

Unless we state otherwise in the applicable prospectus supplement, the debt securities may be issued in registered form in denominations of \$1,000 each and integral multiples of \$1,000 in excess thereof, or in bearer form in denominations of \$5,000.

Consolidation, Merger or Sale

Each of the indentures permits a consolidation or merger between us and another entity, subject to certain conditions. They also permit the sale or transfer by us of all or substantially all of our property and assets. These transactions are permitted if:

- the resulting or acquiring entity, if other than us, is organized and existing under the laws of a domestic jurisdiction and assumes all of our responsibilities and liabilities under the applicable indenture, including the payment of all amounts due on the debt securities and performance of the covenants in the applicable indenture; and
- immediately after giving effect to the transaction, no event of default under the applicable indenture exists.

If we consolidate or merge with or into any other entity or sell or lease all or substantially all of our assets according to the terms and conditions of the indentures, the resulting or acquiring entity will be substituted for us in the indentures with the same effect as if it had been an original party to the indentures. As a result, such successor entity may exercise our rights and powers under the indentures, in our name and, except in the case of a lease of all or substantially all of our properties, we will be released from all our liabilities and obligations under the indentures and under the debt securities.

Modification and Waiver

Under each of the indentures, certain of our rights and obligations and certain of the rights of holders of the debt securities may be modified or amended with the consent of the holders of at least a majority of the aggregate principal amount of the outstanding debt securities of all series of debt securities affected by the modification or amendment, acting as one class. However, the following modifications and amendments will not be effective against any holder without its consent:

- a change in the stated maturity date of any payment of principal or interest;
- a reduction in payments due on the debt securities;
- a change in the place of payment or currency in which any payment on the debt securities is payable;
- a limitation of a holder's right to sue us for the enforcement of payments due on the debt securities;
- a reduction in the percentage of outstanding debt securities required to consent to a modification or amendment of the applicable indenture or required to consent to a waiver of compliance with certain provisions of the applicable indenture or certain defaults under the applicable indenture;
- a reduction in the requirements contained in the applicable indenture for quorum or voting;

- a limitation of a holder's right, if any, to repayment of debt securities at the holder's option; and
- a modification of any of the foregoing requirements contained in the applicable indenture.

Under each of the indentures, the holders of at least a majority of the aggregate principal amount of the outstanding debt securities of all series of debt securities affected by a particular covenant or condition, acting as one class, may, on behalf of all holders of such series of debt securities, waive compliance by us with any covenant or condition contained in the applicable indenture unless we specify that such covenant or condition cannot be so waived at the time we establish the series.

In addition, under each of the indentures, the holders of a majority in aggregate principal amount of the outstanding debt securities of any series of debt securities may, on behalf of all holders of that series, waive any past default under the applicable indenture, except:

- a default in the payment of the principal of or any premium or interest on any debt securities of that series; or
- a default under any provision of the applicable indenture which itself cannot be modified or amended without the consent of the holders of each outstanding debt security of that series.

Events of Default

Unless otherwise specified in the applicable prospectus supplement, an "event of default," when used in the senior indenture or the subordinated indenture with respect to any series of debt securities issued thereunder, means any of the following:

- failure to pay interest on any debt security of that series for 30 days after the payment is due;
- failure to pay the principal of or any premium on any debt security of that series when due;
- failure to deposit any sinking fund payment on debt securities of that series when due;
- failure to perform any other covenant in the applicable indenture that applies to debt securities of that series for 90 days after we have received written notice of the failure to perform in the manner specified in the applicable indenture;
- certain events in bankruptcy, insolvency or reorganization; or
- any other event of default that may be specified for the debt securities of that series when that series is created.

If an event of default for any series of debt securities occurs and continues, the trustee or the holders of at least 25% in aggregate principal amount of the outstanding debt securities of the series may declare the entire principal of all the debt securities of that series to be due and payable immediately. If such a declaration occurs, the holders of a majority of the aggregate principal amount of the outstanding debt securities of that series can, subject to conditions, rescind the declaration.

Each of the indentures requires us to file an officers' certificate with the applicable trustee each year that states, to the knowledge of the certifying officers, whether or not any defaults exist under the terms of the applicable indenture. The applicable trustee may withhold notice to the holders of debt securities of any default, except defaults in the payment of principal, premium, interest or any sinking fund installment, if it considers the withholding of notice to be in the interest of the holders. For purposes of this paragraph, "default" means any event which is, or after notice or lapse of time or both would become, an event of default under the applicable indenture with respect to the debt securities of the applicable series.

Other than its duties in the case of a default, a trustee is not obligated to exercise any of its rights or powers under the applicable indenture at the request, order or direction of any holders, unless the holders offer that trustee security or indemnity satisfactory to the trustee. If satisfactory indemnification is provided, then, subject to other rights of the trustee, the holders of a majority in principal amount of the outstanding debt securities of any series may, with respect to the debt securities of that series, direct the time, method and place of:

- conducting any proceeding for any remedy available to the trustee; or
- exercising any trust or power conferred upon the trustee.

The holder of a debt security of any series will have the right to begin any proceeding with respect to the applicable indenture or for any remedy only if:

- the holder has previously given the trustee written notice of a continuing event of default with respect to that series;
- the holders of at least 25% in aggregate principal amount of the outstanding debt securities of that series have made a written request of, and offered reasonable indemnification to, the trustee to begin such proceeding;
- the trustee has not started such proceeding within 60 days after receiving the request; and
- the trustee has not received directions inconsistent with such request from the holders of a majority in aggregate principal amount of the outstanding debt securities of that series during those 60 days.

However, the holder of any debt security will have an absolute right to receive payment of principal of and any premium and interest on the debt security when due and to institute suit to enforce this payment, subject to limitations with respect to subordinated debt securities.

Defeasance

Defeasance and Discharge. At the time that we establish a series of debt securities under the applicable indenture, we can provide that the debt securities of that series are subject to the defeasance and discharge provisions of that indenture. Unless we specify otherwise in the applicable prospectus supplement, the debt securities offered thereby will be subject to the defeasance and discharge provisions of the applicable indenture, and we will be discharged from our obligations on the debt securities of that series if:

- we deposit with the applicable trustee, in trust, sufficient money or, if the debt securities of that series are denominated and payable in U.S. dollars only, Eligible Instruments, to pay the principal, any interest, any premium and any other sums due on the debt securities of that series, such as sinking fund payments, on the dates the payments are due under the applicable indenture and the terms of the debt securities;
- we deliver to the applicable trustee an opinion of counsel that states that the holders of the debt securities of that series will not recognize income, gain or loss for federal income tax purposes as a result of the deposit and will be subject to federal income tax on the same amounts and in the same manner and at the same times as would have been the case if no deposit, defeasance and discharge had been made; and
- if the debt securities of that series are listed on any domestic or foreign securities exchange, the debt securities will not be delisted as a result of the deposit.

When we use the term “Eligible Instruments” in this section, we mean monetary assets, money market instruments and securities that are payable in U.S. dollars only and essentially risk free as to collection of principal and interest, including:

- monetary assets, money market instruments and securities that are payable in U.S. dollars only and essentially risk free as to collection of principal and interest; or
- direct obligations of the United States for the payment of which its full faith and credit is pledged, or obligations of a person controlled or supervised by and acting as an agency or instrumentality of the United States if the timely payment of the obligation is unconditionally guaranteed as a full faith and credit obligation by the United States.

In the event that we deposit money and/or Eligible Instruments in trust and discharge our obligations under a series of debt securities as described above, then:

- the applicable indenture, including, in the case of subordinated debt securities, the subordination provisions contained in the subordinated indenture, will no longer apply to the debt securities of that series; however, certain obligations to compensate, reimburse and indemnify the trustee, to register the transfer and exchange of debt securities, to replace lost, stolen or mutilated debt securities, to maintain paying agencies and the trust funds and to pay additional amounts, if any, required as a result of U.S. withholding taxes imposed on payments to non-U.S. persons will continue to apply; and

- holders of debt securities of that series can only look to the trust fund for payment of principal, any premium and any interest on the debt securities of that series.

Defeasance of Certain Covenants and Certain Events of Default. At the time that we establish a series of debt securities under the applicable indenture, we can provide that the debt securities of that series are subject to the covenant defeasance provisions of that indenture. Unless we specify otherwise in the applicable prospectus supplement, the debt securities offered thereby will be subject to the covenant defeasance provisions of the applicable indenture, and if we make the deposit and deliver the opinion of counsel described above in this section under the heading “- Defeasance and Discharge,” we will not have to comply with any covenant we designate when we establish the series of debt securities. In the event of a covenant defeasance, our obligations under the applicable indenture and the debt securities, other than with respect to the covenants specifically designated upon establishing the debt securities, will remain in effect.

If we exercise our option not to comply with certain covenants as described above and the debt securities of the series become immediately due and payable because an event of default has occurred, other than as a result of an event of default specifically relating to any of such covenants, the amount of money and/or Eligible Instruments on deposit with the applicable trustee will be sufficient to pay the principal, any interest, any premium and any other sums, due on the debt securities of that series, such as sinking fund payments, on the date the payments are due under the applicable indenture and the terms of the debt securities, but may not be sufficient to pay amounts due at the time of acceleration. However, we would remain liable for the balance of the payments.

Subordination

The subordinated debt securities will be subordinate to all of our existing and future Senior Debt, as defined below. Our “Senior Debt” includes the senior debt securities and means the principal of, premium, if any, and interest on, rent under, and any other amounts payable on or in or in respect of any of our indebtedness (including, without limitation, any obligations in respect of such indebtedness and any interest accruing after the filing of a petition by or against us under any bankruptcy law, whether or not allowed as a claim after such filing in any proceeding under such bankruptcy law), whether outstanding on the date of the senior indenture or thereafter created, incurred, assumed, guaranteed or in effect guaranteed by us (including all deferrals, renewals, extensions, refinancings or refundings of, or amendments, modifications or supplements to the foregoing). However, Senior Debt does not include:

- any liability for federal, state, local or other taxes owed or owing by us;
- our indebtedness to any of our subsidiaries;
- our trade payables and accrued expenses (including, without limitation, accrued compensation) for goods, services or materials purchased or provided in the ordinary course of business; and

- any particular indebtedness in which the instrument creating or evidencing the same expressly provides that such indebtedness shall not be senior in right of payment to, or is pari passu with, or is subordinated or junior to, the subordinated debt securities.

If certain events in bankruptcy, insolvency or reorganization occur, we will first pay all Senior Debt, including any interest accrued after the events occur, in full before we make any payment or distribution, whether in cash, securities or other property, on account of the principal of or interest on the subordinated debt securities. In such an event, we will pay or deliver directly to the holders of Senior Debt any payment or distribution otherwise payable or deliverable to holders of the subordinated debt securities. We will make the payments to the holders of Senior Debt according to priorities existing among those holders until we have paid all Senior Debt, including accrued interest, in full. Notwithstanding the subordination provisions discussed in this paragraph, we may make payments or distributions on the subordinated debt securities so long as:

- the payments or distributions consist of securities issued by us or another company in connection with a plan of dissolution, reorganization, readjustment or winding up; and
- payment on those securities is subordinate to outstanding Senior Debt and any securities issued with respect to Senior Debt under such plan of dissolution, reorganization, readjustment or winding up at least to the same extent provided in the subordination provisions of the subordinated debt securities.

If such events in bankruptcy, insolvency or reorganization occur, after we have paid in full all amounts owed on Senior Debt:

- the holders of subordinated debt securities,
- together with the holders of any of our other obligations ranking equal with those subordinated debt securities,

will be entitled to receive from our remaining assets any principal, premium or interest due at that time on the subordinated debt securities and such other obligations before we make any payment or other distribution on account of any of our capital stock or obligations ranking junior to those subordinated debt securities.

If we violate the subordinated indenture by making a payment or distribution to holders of the subordinated debt securities before we have paid all of the Senior Debt in full, then such holders of the subordinated debt securities will be deemed to have received the payments or distributions in trust for the benefit of, and will have to pay or transfer the payments or distributions to, the holders of the Senior Debt outstanding at the time. The payment or transfer to the holders of the Senior Debt will be made according to the priorities existing among those holders. Notwithstanding the subordination provisions discussed in this paragraph, holders of subordinated debt securities will not be required to pay, or transfer payments or distributions to, holders of Senior Debt so long as:

- the payments or distributions consist of securities issued by us or another company in connection with a plan of reorganization or readjustment; and
- payment on those securities is subordinated to outstanding Senior Debt and any securities issued with respect to Senior Debt under such plan of reorganization or readjustment at least to the same extent provided in the subordination provisions of those subordinated debt securities.
- Because of the subordination, if we become insolvent, holders of Senior Debt may receive more, ratably, and holders of the subordinated debt securities having a claim pursuant to those securities may receive less, ratably, than our other creditors.

We may modify or amend the subordinated indenture as provided under “- Modification and Waiver” above. However, the modification or amendment may not, without the consent of the holders of all Senior Debt outstanding, modify any of the provisions of the subordinated indenture relating to the subordination of the subordinated debt securities in a manner that would adversely affect the holders of Senior Debt.

Payment of Additional Amounts

Unless we specify otherwise in the applicable prospectus supplement, we will not pay any additional amounts on the debt securities offered thereby to compensate any beneficial owner for any United States tax withheld from payments on such debt securities.

Book-Entry, Delivery and Form

We have obtained the information in this section concerning DTC, Clearstream Banking S.A., or “Clearstream,” and Euroclear Bank S.A./N.V., as operator of the Euroclear System, or “Euroclear,” and the book-entry system and procedures from sources that we believe to be reliable, but we take no responsibility for the accuracy of this information. This information could change at any time. In addition, we have no control over DTC, Clearstream or Euroclear, or any of their participants, and therefore we take no responsibility for their activities.

Unless otherwise specified in the applicable prospectus supplement, the debt securities will be issued as fully registered global securities that will be deposited with, or on behalf of, DTC and registered, at the request of DTC, in the name of Cede & Co. Beneficial interests in the global securities will be represented through book-entry accounts of financial institutions acting on behalf of beneficial owners as direct or indirect participants in DTC. The direct and indirect participants will remain responsible for keeping account of their holdings on behalf of their customers. Investors may elect to hold their interests in the global securities through either DTC (in the United States) or (in Europe) through Clearstream or through Euroclear. Investors may hold their interests in the global securities directly if they are participants of such systems, or indirectly through organizations that are participants in these systems. Interests held through Clearstream and Euroclear will be recorded on DTC’s books as being held by the U.S. Depository for each of Clearstream and Euroclear (the “U.S. Depositories”), which U.S. Depositories will, in turn, hold interests on behalf of their participants’ customers’ securities accounts. Unless otherwise specified in the applicable prospectus supplement, beneficial interests in the global securities will be held in denominations of \$1,000 and multiples of \$1,000 in excess thereof. Except as set forth below, the global securities may be transferred, in whole and not in part, only to another nominee of DTC or to a successor of DTC or its nominee.

Debt securities represented by a global security can be exchanged for definitive securities in registered form only if:

- DTC notifies us that it is unwilling or unable to continue as depository for that global security and we do not appoint a qualified successor depository within 90 days after receiving that notice;
- at any time DTC ceases to be a clearing agency registered under the Exchange Act and we do not appoint a successor depository within 90 days after becoming aware that DTC has ceased to be registered as a clearing agency;
- we in our sole discretion determine that such global security will be exchangeable for definitive securities in registered form or elect to terminate the book-entry system through DTC and notify the applicable trustee of our decision; or
- an event of default with respect to the debt securities represented by that global security has occurred and is continuing.

A global security that can be exchanged as described in the preceding sentence will be exchanged for definitive securities issued in authorized denominations in registered form for the same aggregate amount. The definitive securities will be registered in the names of the owners of the beneficial interests in the global security as directed by DTC.

We will make principal and interest payments on all debt securities represented by a global security to the paying agent which in turn will make payment to DTC or its nominee, as the case may be, as the sole registered owner and the sole holder of the debt securities represented by a global security for all purposes under the applicable indenture. Accordingly, we, the applicable trustee and any paying agent will have no responsibility or liability for:

- any aspect of DTC's records relating to, or payments made on account of, beneficial ownership interests in a debt security represented by a global security;
- any other aspect of the relationship between DTC and its participants or the relationship between those participants and the owners of beneficial interests in a global security held through those participants; or
- the maintenance, supervision or review of any of DTC's records relating to those beneficial ownership interests.

We understand that DTC's current practice is to credit direct participants' accounts on each payment date with payments in amounts proportionate to their respective beneficial interests in the principal amount of such global security as shown on DTC's records, upon DTC's receipt of funds and corresponding detail information. The underwriters or agents for the debt securities represented by a global security will initially designate the accounts to be credited. Payments by participants to owners of beneficial interests in a global security will be governed by standing instructions and customary practices, as is the case with securities held for customer accounts registered in "street name," and will be the sole responsibility of those participants, and not of DTC or its nominee, the trustee, any agent of ours, or us, subject to any statutory or regulatory requirements. Book-entry notes may be more difficult to pledge because of the lack of a physical note.

DTC

So long as DTC or its nominee is the registered owner of a global security, DTC or its nominee, as the case may be, will be considered the sole owner and holder of the debt securities represented by that global security for all purposes of the debt securities. Owners of beneficial interests in the debt securities will not be entitled to have debt securities registered in their names, will not receive or be entitled to receive physical delivery of the debt securities in definitive form and will not be considered owners or holders of debt securities under the applicable indenture. Accordingly, each person owning a beneficial interest in a global security must rely on the procedures of DTC and, if that person is not a DTC participant, on the procedures of the participant through which that person owns its interest, to exercise any rights of a holder of debt securities. The laws of some jurisdictions may require that certain purchasers of securities take physical delivery of the securities in certificated form. These laws may impair the ability to transfer beneficial interests in a global security. Beneficial owners may experience delays in receiving distributions on their debt securities since distributions will initially be made to DTC and must then be transferred through the chain of intermediaries to the beneficial owner's account.

We understand that, under existing industry practices, if we request holders to take any action, or if an owner of a beneficial interest in a global security desires to take any action which a holder is entitled to take under the applicable indenture, then DTC would authorize the participants holding the relevant beneficial interests to take that action and those participants would authorize the beneficial owners owning through such participants to take that action or would otherwise act upon the instructions of beneficial owners owning through them.

Beneficial interests in a global security will be shown on, and transfers of those ownership interests will be effected only through, records maintained by DTC and its participants for that global security. The conveyance of notices and other communications by DTC to its participants and by its participants to owners of beneficial interests in the debt securities will be governed by arrangements among them, subject to any statutory or regulatory requirements in effect.

We understand that DTC is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code and a "clearing agency" registered under the Exchange Act. DTC is a wholly owned subsidiary of The Depository Trust & Clearing Corporation ("DTCC"). DTCC is the holding company for DTC, National Securities Clearing Corporation and Fixed Income Clearing Corporation, all of which are registered clearing agencies. DTCC is owned by the users of its regulated subsidiaries.

DTC holds the securities of its participants and facilitates the clearance and settlement of securities transactions among its participants in such securities through electronic book-entry changes in accounts of its participants. The electronic book-entry system eliminates the need for physical certificates. DTC's participants include securities brokers and dealers, including underwriters, banks, trust companies, clearing corporations and certain other organizations, some of which, and/or their representatives, own DTCC. Banks, brokers, dealers, trust companies and others that clear through or maintain a custodial relationship with a participant, either directly or indirectly, also have access to DTC's book-entry system. The rules applicable to DTC and its participants are on file with the SEC.

The above information with respect to DTC has been provided for informational purposes only and is not intended to serve as a representation, warranty or contract modification of any kind.

Clearstream

We understand that Clearstream was incorporated under the laws of Luxembourg as an international clearing system. Clearstream holds securities for its participating organizations, or "Clearstream Participants," and facilitates the clearance and settlement of securities transactions between Clearstream Participants through electronic book-entry changes in accounts of Clearstream Participants, thereby eliminating the need for physical movement of certificates. Clearstream provides to Clearstream Participants, among other things, services for safekeeping, administration, clearance and settlement of internationally traded securities and securities lending and borrowing. Clearstream interfaces with domestic securities markets in several countries. As a professional depository, Clearstream is subject to regulation by the Luxembourg Commission for the Supervision of the Financial Sector (*Commission de Surveillance du Secteur Financier*). Clearstream Participants are recognized financial institutions around the world, including underwriters, securities brokers and dealers, banks, trust companies, clearing corporations and certain other organizations. Clearstream's U.S. Participants are limited to securities brokers and dealers and banks. Indirect access to Clearstream is also available to others, such as banks, brokers, dealers and trust companies that clear through or maintain a custodial relationship with a Clearstream Participant either directly or indirectly.

Distributions with respect to debt securities held beneficially through Clearstream will be credited to cash accounts of Clearstream Participants in accordance with its rules and procedures, to the extent received by the U.S. Depository for Clearstream.

Euroclear

We understand that Euroclear was created in 1968 to hold securities for participants of Euroclear, or "Euroclear Participants," and to clear and settle transactions between Euroclear Participants through simultaneous electronic book-entry delivery against payment, thereby eliminating the need for physical movement of certificates and any risk from lack of simultaneous transfers of securities and cash. Euroclear performs various other services, including securities lending and borrowing and interacts with domestic markets in several countries. Euroclear is operated by Euroclear Bank S.A./N.V., or the "Euroclear Operator," under contract with Euroclear plc, a U.K. corporation. All operations are conducted by the Euroclear Operator, and all Euroclear securities clearance accounts and Euroclear cash accounts are accounts with the Euroclear Operator, not Euroclear plc. Euroclear plc establishes policy for Euroclear on behalf of Euroclear Participants. Euroclear Participants include banks, including central banks, securities brokers and dealers and other professional financial intermediaries. Indirect access to Euroclear is also available to other firms that clear through or maintain a custodial relationship with a Euroclear Participant, either directly or indirectly. Euroclear is an indirect participant in DTC.

The Euroclear Operator is a Belgian bank. As such it is regulated by the Belgian Banking and Finance Commission and the National Bank of Belgium.

Securities clearance accounts and cash accounts with the Euroclear Operator are governed by the Terms and Conditions Governing Use of Euroclear and the related Operating Procedures of the Euroclear System, and applicable Belgian law, which we will refer to herein as the “Terms and Conditions.” The Terms and Conditions govern transfers of securities and cash within Euroclear, withdrawals of securities and cash from Euroclear, and receipts of payments with respect to securities in Euroclear. All securities in Euroclear are held on a fungible basis without attribution of specific certificates to specific securities clearance accounts. The Euroclear Operator acts under the Terms and Conditions only on behalf of Euroclear Participants, and has no record of or relationship with persons holding through Euroclear Participants.

Distributions with respect to debt securities held beneficially through Euroclear will be credited to the cash accounts of Euroclear Participants in accordance with the Terms and Conditions, to the extent received by the Euroclear Operator.

We further understand that investors that acquire, hold and transfer interests in the debt securities by book-entry through accounts with the Euroclear Operator or any other securities intermediary are subject to the laws and contractual provisions governing their relationship with their intermediary, as well as the laws and contractual provisions governing the relationship between such an intermediary and each other intermediary, if any, standing between themselves and the global securities.

Global Clearance and Settlement Procedures

Unless otherwise specified in the applicable prospectus supplement, initial settlement for the debt securities will be made in immediately available funds. Secondary market trading between DTC participants will occur in the ordinary way in accordance with DTC rules and will be settled in immediately available funds using DTC’s Same-Day Funds Settlement System. Secondary market trading between Clearstream Participants and/or Euroclear Participants will occur in the ordinary way in accordance with the applicable rules and operating procedures of Clearstream and Euroclear and will be settled using the procedures applicable to conventional eurobonds in immediately available funds.

Cross-market transfers between persons holding directly or indirectly through DTC, on the one hand, and directly or indirectly through Clearstream Participants or Euroclear Participants, on the other, will be effected through DTC in accordance with DTC rules on behalf of the relevant European international clearing system by its U.S. Depository; however, such cross-market transactions will require delivery of instructions to the relevant European international clearing system by the counterparty in such system in accordance with its rules and procedures and within its established deadlines (European time). The relevant European international clearing system will, if the transaction meets its settlement requirements, deliver instructions to its U.S. Depository to take action to effect final settlement on its behalf by delivering or receiving debt securities through DTC, and making or receiving payment in accordance with normal procedures for same-day funds settlement applicable to DTC. Clearstream Participants and Euroclear Participants may not deliver instructions directly to their respective U.S. Depositories.

Because of time-zone differences, credits of debt securities received through Clearstream or Euroclear as a result of a transaction with a DTC participant will be made during subsequent securities settlement processing and dated the business day following the DTC settlement date. Such credits or any transactions in such debt securities settled during such processing will be reported to the relevant Euroclear Participants or Clearstream Participants on such business day. Cash received in Clearstream or Euroclear as a result of sales of debt securities by or through a Clearstream Participant or a Euroclear Participant to a DTC participant will be received with value on the DTC settlement date but will be available in the relevant Clearstream or Euroclear cash account only as of the business day following settlement in DTC.

If the debt securities are cleared only through Euroclear and Clearstream (and not DTC), you will be able to make and receive through Euroclear and Clearstream payments, deliveries, transfers, exchanges, notices, and other transactions involving any securities held through those systems only on days when those systems are open for business. Those systems may not be open for business on days when banks, brokers, and other institutions are open for business in the United States. In addition, because of time-zone differences, U.S. investors who hold their interests in the securities through these systems and wish to transfer their interests, or to receive or make a payment or delivery or exercise any other right with respect to their interests, on a particular day may find that the transaction will not be effected until the next business day in Luxembourg or Brussels, as applicable. Thus, U.S. investors who wish to exercise rights that expire on a particular day may need to act before the expiration date.

Although DTC, Clearstream and Euroclear have agreed to the foregoing procedures in order to facilitate transfers of debt securities among participants of DTC, Clearstream and Euroclear, they are under no obligation to perform or continue to perform such procedures and such procedures may be modified or discontinued at any time. Neither we nor any paying agent will have any responsibility for the performance by DTC, Euroclear or Clearstream or their respective direct or indirect participants of their obligations under the rules and procedures governing their operations.

Conversion and Exchange

If any offered debt securities are convertible at the option of the holders or exchangeable at our option, the prospectus supplement relating to those debt securities will include the terms and conditions governing any conversions and exchanges.

Governing Law

The indentures are, and the debt securities will be, governed by and will be construed in accordance with New York law.

DESCRIPTION OF WARRANTS

Outstanding Warrants

As of August 15, 2022, we had 2,352,936 shares of the common stock that may be issued upon the exercise of outstanding warrants, of which 2,352,936 are fully exercisable (our “outstanding warrants”). The warrants expire five years from the date of the grant. The following table summarizes information regarding warrants outstanding at August 15, 2022:

<u>Grant Date</u>	<u>Warrants Outstanding</u>	<u>Warrants Exercisable</u>	<u>Exercise Price (Per Share)</u>	<u>Expiration Date</u>
March 28, 2022	2,352,936	2,352,936	\$13.60	March 28, 2027

The exercise price of our outstanding warrants is subject to adjustment if, after September 15, 2021, we issue, sell, publicly announce the contemplated issuance or sale of, or are deemed to have issued or sold, any shares of common stock for a consideration per share less than a price equal to the exercise price in effect immediately prior to such issuance or sale or deemed issuance or sale. In the case of any such dilutive issuance, the exercise price then in effect will be reduced to an amount equal to the lesser of the consideration per share in such dilutive issuance and the lowest volume weighted average price (“VWAP”) of our common stock on any trading day during the five trading days immediately following the public announcement of the execution of the dilutive issuance. Additionally, the number of warrant shares issuable under an outstanding warrant will be increased such that the aggregate exercise price payable under the warrant, after taking into account the decrease in the exercise price in connection with the dilutive issuance, will be equal to the aggregate exercise price prior to such adjustment.

An outstanding warrant may be exercised by payment of the aggregate exercise price in cash or, if the exercise of the warrant occurs after the deadline for effectiveness of the registration statements required by the registration rights agreement entered into with the warrant holders and a registration statement covering the issuance or resale of the shares of common stock issuable upon exercise of the warrant is not available for the issuance or resale, by a cashless exercise in which the holder will receive a net number of shares of common stock upon exercise.

The outstanding warrants contain a call provision under which we may call for cancellation of all or any portion of a warrant for which an exercise notice has not yet been delivered for consideration equal to \$0.001 per warrant share. This call right may be exercised by us upon proper notice only if:

- the VWAP of our common stock for each of 10 consecutive trading days exceeds 300% of the then current exercise price;
- the average daily dollar volume for such 10 consecutive trading day measurement period exceeds \$5,000,000 per trading day; and

- the holder of the warrant is not in possession of any information that constitutes, or might constitute, material, non-public information which was provided by our company, any of our subsidiaries, or any of their officers, directors, employees, agents or affiliates.

We may not enter into or be party to a Fundamental Transaction (as further described below) unless the successor entity to such Fundamental Transaction assumes in writing all of our obligations under the warrants. In addition, prior to the consummation of any Fundamental Transaction pursuant to which holders of our common stock are entitled to receive securities, cash, assets or other property with respect to or in exchange for the our common stock, we must make appropriate provision to ensure that, and any applicable successor entity must ensure that, the warrant holder will thereafter have the right to receive upon exercise of the warrant at any time after the consummation of such event, shares of common stock or capital stock of the successor entity or, if so elected by the warrant holder, in lieu of the shares of common stock (or other securities, cash, assets or other property) issuable upon exercise of the warrant prior to such event, such shares of stock, securities, cash, assets or any other property whatsoever (including warrants or other purchase or subscription rights) which the warrant holder would have been entitled to receive upon the consummation of such event or the record date resulting in such event, had the warrant been exercised immediately prior to such event or the record date such event (without regard to any limitations on exercise of the warrant). In the event of a change of control, at the request of the warrant holder or at our election delivered before the 60th day after the consummation of such change of control, we (or the successor entity) will purchase the warrant from the warrant holder by paying to the holder cash in an amount equal to the Black-Scholes value of the remaining unexercised portion of the warrant on the date of such change of control.

Under the Outstanding Warrants, the term Fundamental Transaction includes one or more related transactions in which we, directly or indirectly, will:

- consolidate or merge with or into (whether or not we are the surviving corporation) another entity; or
- sell, assign, transfer, convey or otherwise dispose of all or substantially all of the properties or assets of company or any of our “significant subsidiaries” to one or more entities; or
- make, or allow one or more entities to make, or allow our company to be subject to or have shares of common stock be subject to or party to one or more entities making, a purchase, tender or exchange offer that is accepted by the holders of at least either (i) 50% of the outstanding shares of common stock, (ii) 50% of the outstanding shares of common stock calculated as if any shares of common stock held by all entities making or party to, or affiliated with any entities making or party to, such offer were not outstanding; or (iii) such number of shares of common stock such that all entities making or party to, or affiliated with any entity making or party to, such offer, become collectively the beneficial owners of at least 50% of the outstanding shares of common stock; or

- consummate a stock purchase agreement or other business combination with one or more entities whereby all such entities, individually or in the aggregate, acquire, either (i) at least 50% of the outstanding shares of common stock, (ii) at least 50% of the outstanding shares of common stock calculated as if any shares of common stock held by all the entities making or party to, or affiliated with any entity making or party to, such stock purchase agreement or other business combination were not outstanding; or (iii) such number of shares of common stock such that the entities become collectively the beneficial owners of at least 50% of the outstanding shares of common stock; or
- reorganize, recapitalize or reclassify shares of common stock; or
- allow any entity individually or the entities in the aggregate to be or become the beneficial owner, directly or indirectly, of either (x) at least 50% of the aggregate ordinary voting power represented by issued and outstanding shares of common stock, (y) at least 50% of the aggregate ordinary voting power represented by issued and outstanding shares of common stock not held by all such entities as of the date of the securities purchase agreement calculated as if any shares of common stock held by all such entities were not outstanding, or (iii) a percentage of the aggregate ordinary voting power represented by issued and outstanding shares of common stock or other equity securities of sufficient to allow such entities to effect a statutory short form merger or other transaction requiring other shareholders to surrender their common stock without approval of our shareholders.

The outstanding warrants contain provisions limiting the exercise by a holder based on beneficial ownership. Specifically, a holder will be prohibited, subject to certain exceptions, from exercising a warrant to the extent that immediately prior to or after giving effect to such exercise, the holder, together with its affiliates and other attribution parties, would own more than 4.99% of the total number of shares of common stock then issued and outstanding, which percentage may be changed at the holder's election to a lower percentage at any time or to a higher percentage not to exceed 9.99% upon 61 days' notice to us.

Additionally, so long as the warrant remains outstanding, we are obligated to at all times keep reserved for issuance a number of shares of common stock at least equal to 200% of the maximum number of shares of common stock as are issuable upon exercise of the outstanding warrants without regard to any limitations on exercise.

Additional Warrants

We may issue warrants for the purchase of shares of our common stock or preferred stock or of debt securities. We may issue warrants independently or together with other securities, and the warrants may be attached to or separate from any offered securities. Each series of warrants will be issued under a separate warrant agreement to be entered into between us and the investors or a warrant agent. The following summary of material provisions of the warrants and warrant agreements are subject to, and qualified in their entirety by reference to, all the provisions of the warrant agreement and warrant certificate applicable to a particular series of warrants. The terms of any warrants offered under a prospectus supplement may differ from the terms described below. We urge you to read the applicable prospectus supplement and any related free writing prospectus, as well as the complete warrant agreements and warrant certificates that contain the terms of the warrants.

The particular terms of any issue of warrants will be described in the prospectus supplement relating to the issue. Those terms may include:

- the number of shares of common stock or preferred stock purchasable upon the exercise of warrants to purchase such shares and the price at which such number of shares may be purchased upon such exercise;
- the designation, stated value and terms (including, without limitation, liquidation, dividend, conversion and voting rights) of the series of preferred stock purchasable upon exercise of warrants to purchase preferred stock;
- the principal amount of debt securities that may be purchased upon exercise of a debt warrant and the exercise price for the warrants, which may be payable in cash, securities or other property;
- the date, if any, on and after which the warrants and the related debt securities, preferred stock or common stock will be separately transferable;
- the terms of any rights to redeem or call the warrants;
- the date on which the right to exercise the warrants will commence and the date on which the right will expire;
- a discussion of certain United States federal income tax consequences applicable to the warrants; and
- any additional terms of the warrants, including terms, procedures, and limitations relating to the exchange, exercise and settlement of the warrants.

Holders of equity warrants will not be entitled to:

- vote, consent or receive dividends;
- receive notice as stockholders with respect to any meeting of stockholders for the election of our directors or any other matter; or
- exercise any rights as stockholders of Pineapple.

Each warrant will entitle its holder to purchase the principal amount of debt securities or the number of shares of preferred stock or common stock at the exercise price set forth in, or calculable as set forth in, the applicable prospectus supplement. Unless we otherwise specify in the applicable prospectus supplement, holders of the warrants may exercise the warrants at any time up to the specified time on the expiration date that we set forth in the applicable prospectus supplement. After the close of business on the expiration date, unexercised warrants will become void.

A holder of warrant certificates may exchange them for new warrant certificates of different denominations, present them for registration of transfer and exercise them at the corporate trust office of the warrant agent or any other office indicated in the applicable prospectus supplement. Until any warrants to purchase debt securities are exercised, the holder of the warrants will not have any rights of holders of the debt securities that can be purchased upon exercise, including any rights to receive payments of principal, premium or interest on the underlying debt securities or to enforce covenants in the applicable indenture. Until any warrants to purchase common stock or preferred stock are exercised, the holders of the warrants will not have any rights of holders of the underlying common stock or preferred stock, including any rights to receive dividends or payments upon any liquidation, dissolution or winding up on the common stock or preferred stock, if any.

DESCRIPTION OF STOCK PURCHASE CONTRACTS

We may issue stock purchase contracts, including contracts obligating holders to purchase from us and contracts obligating us to sell to the holders, a specified number of shares of common stock or other securities at a future date or dates. The price per share of the securities and the number of shares of the securities may be fixed at the time the stock purchase contracts are issued or may be determined by reference to a specific formula set forth in the stock purchase contracts. The stock purchase contracts may be issued separately or as part of units consisting of a stock purchase contract and warrants or other securities or debt obligations of third parties, including U.S. treasury securities, securing the holders' obligations to purchase the securities under the stock purchase contracts. The stock purchase contracts may require us to make periodic payments to the holders of the stock purchase contracts or vice versa, and such payments may be unsecured or prefunded on some basis. They may also require holders to secure their obligations thereunder in a specified manner and in certain circumstances we may deliver newly issued prepaid stock purchase contracts, or prepaid securities, upon release to a holder of any collateral securing such holder's obligations under the original stock purchase contract.

The stock purchase contracts, and, if applicable, collateral or depositary arrangements will be filed with the SEC in connection with the offering of stock purchase contracts. The prospectus supplement and any incorporated documents relating to any stock purchase contracts that we offer will include specific terms relating to the offering, including, among other matters:

- If applicable, a discussion of material U.S. federal income tax considerations; and
- Any other information we think important about the stock purchase contracts.

DESCRIPTION OF RIGHTS

We may issue rights to purchase our common stock. The rights may or may not be transferable by the persons purchasing or receiving the rights. In connection with any rights offering, we may enter into a standby underwriting or other arrangement with one or more underwriters or other persons pursuant to which such underwriters or other persons would purchase any offered securities remaining unsubscribed for after such rights offering. Each series of rights will be issued under a separate rights agent agreement to be entered into between us and one or more banks, trust companies or other financial institutions, as rights agent, that we will name in the applicable prospectus supplement. The rights agent will act solely as our agent in connection with the rights and will not assume any obligation or relationship of agency or trust for or with any holders of rights certificates or beneficial owners of rights.

The prospectus supplement and any incorporated documents relating to any rights that we offer will include specific terms relating to the offering, including, among other matters:

- the date of determining the security holders entitled to the rights distribution;
- the aggregate number of rights issued and the aggregate number of shares of common stock purchasable upon exercise of the rights;
- the exercise price;
- the conditions to completion of the rights offering;
- the date on which the right to exercise the rights will commence and the date on which the rights will expire; and
- a discussion of certain United States federal income tax consequences applicable to the rights offering.

Each right would entitle the holder of the rights to purchase for cash shares of common stock at the exercise price set forth in the applicable prospectus supplement. Rights may be exercised at any time up to the close of business on the expiration date for the rights provided in the applicable prospectus supplement. After the close of business on the expiration date, all unexercised rights will become void.

If less than all of the rights issued in any rights offering are exercised, we may offer any unsubscribed securities directly to persons other than our security holders, to or through agents, underwriters or dealers or through a combination of such methods, including pursuant to standby arrangements, as described in the applicable prospectus supplement.

DESCRIPTION OF UNITS

We may issue units consisting of any combination of the other types of securities offered under this prospectus in one or more series. We may evidence each series of units by unit certificates that we will issue under a separate agreement. We may enter into unit agreements with a unit agent. Each unit agent will be a bank or trust company that we select. We will indicate the name and address of the unit agent in the applicable prospectus supplement relating to a particular series of units.

The following description, together with the additional information included in any applicable prospectus supplement, summarizes the general features of the units that we may offer under this prospectus. You should read any prospectus supplement and any free writing prospectus that we may authorize to be provided to you related to the series of units being offered, as well as the complete unit agreements that contain the terms of the units. Specific unit agreements will contain additional important terms and provisions and we will file as an exhibit to the registration statement of which this prospectus is a part, or will incorporate by reference from another report that we file with the SEC, the form of each unit agreement relating to units offered under this prospectus.

If we offer any units, certain terms of that series of units will be described in the applicable prospectus supplement, including, without limitation, the following, as applicable:

- the title of the series of units;
- identification and description of the separate constituent securities comprising the units;
- the price or prices at which the units will be issued;
- the date, if any, on and after which the constituent securities comprising the units will be separately transferable;
- a discussion of certain United States federal income tax considerations applicable to the units; and
- any other terms of the units and their constituent securities.

PLAN OF DISTRIBUTION

We or the selling stockholders may sell securities in any one or more of the following ways from time to time:

- to or through agents;
- to or through underwriters (including through syndicates or acting alone for resale);
- to or through brokers or dealers;
- directly by us to purchasers, including through a specific bidding, auction or other process;
- upon the exercise of subscription rights that may be distributed to our stockholders;
- an exchange distribution in accordance with the rules of the applicable exchange;
- privately negotiated transactions;
- settlement of short sales entered into after the effective date of the registration statement of which this prospectus is a part;
- broker-dealers may agree with the selling stockholders to sell a specified number of such shares at a stipulated price per share;
- through the writing or settlement of options or other hedging transactions, whether such options are listed on an options exchange or otherwise; or
- through a combination of any of these methods of sale; or
- by any other method permitted by law.

The selling stockholders may also sell shares under Rule 144 under the Securities Act, if available, rather than under this prospectus. If the shares of common stock are sold by the selling stockholders through underwriters or broker-dealers, the selling stockholders will be responsible for underwriting discounts or commissions or agent's commissions. Further, the selling stockholders may sell all, some or none of the shares registered pursuant to this prospectus.

The applicable prospectus supplement and/or other offering material will contain the terms of the transaction, name or names of any underwriters, dealers, or agents and the respective amounts of securities underwritten or purchased by them, the initial public offering price of the securities, and the applicable agent's commission, dealer's purchase price or underwriter's discount. Any dealers and agents participating in the distribution of the securities may be deemed to be underwriters, and compensation received by them on resale of the securities may be deemed to be underwriting discounts.

Sales of the securities may be effected from time to time in one or more transactions, including negotiated transactions:

- at a fixed price or prices, which may be changed;
- at market prices prevailing at the time of sale;
- at prices related to prevailing market prices;
- at varying prices determined at the time of sale; or
- at negotiated prices.

Any initial offering price, dealer purchase price, discount or commission may be changed from time to time. The securities may be distributed from time to time in one or more transactions, at negotiated prices, at a fixed price or fixed prices (that may be subject to change), at market prices prevailing at the time of sale, at various prices determined at the time of sale or at prices related to prevailing market prices.

Offers to purchase securities may be solicited directly by us, the selling stockholders, or by agents designated by us or the selling stockholders from time to time. Any such agent may be deemed to be an underwriter, as that term is defined in the Securities Act, of the securities so offered and sold.

If underwriters or dealers acting as principal are utilized in the sale of any securities in respect of which this prospectus is being delivered, such securities will be acquired by the underwriters or dealers for their own account and may be resold from time to time in one or more transactions, including negotiated transactions, at fixed public offering prices or at varying prices determined by the underwriters or dealers at the time of sale. Securities may be offered to the public either through underwriting syndicates represented by managing underwriters or directly by one or more underwriters. If any underwriter or underwriters are utilized in the sale of securities, unless otherwise indicated in the applicable prospectus supplement and/or other offering material, the obligations of the underwriters are subject to certain conditions precedent, and the underwriters will be obligated to purchase all such securities if any are purchased.

If a dealer is utilized in the sale of the securities in respect of which this prospectus is delivered, we will sell such securities to the dealer, as principal. The dealer may then resell such securities to the public at varying prices to be determined by such dealer at the time of resale. Transactions through brokers or dealers may include block trades in which brokers or dealers will attempt to sell shares as agent but may position and resell as principal to facilitate the transaction or in crosses, in which the same broker or dealer acts as agent on both sides of the trade. Any such dealer may be deemed to be an underwriter, as such term is defined in the Securities Act, of the securities so offered and sold.

Offers to purchase securities may be solicited directly by us or the selling stockholders and the sale thereof may be made directly to institutional investors or others, who may be deemed to be underwriters within the meaning of the Securities Act with respect to any resale thereof.

If so indicated in the applicable prospectus supplement and/or other offering material, we or the selling stockholders may authorize agents and underwriters to solicit offers by certain institutions to purchase securities at the public offering price set forth in the applicable prospectus supplement and/or other offering material pursuant to delayed delivery contracts providing for payment and delivery on the date or dates stated in the applicable prospectus supplement and/or other offering material. Such delayed delivery contracts will be subject only to those conditions set forth in the applicable prospectus supplement and/or other offering material.

Agents, underwriters and dealers may be entitled under relevant agreements to indemnification against certain liabilities, including liabilities under the Securities Act, or to contribution with respect to payments which such agents, underwriters and dealers may be required to make in respect thereof. The terms and conditions of any indemnification or contribution will be described in the applicable prospectus supplement and/or other offering material.

We or the selling stockholders may also sell shares of our common stock through various arrangements involving mandatorily or optionally exchangeable securities, and this prospectus may be delivered in connection with those sales.

We or the selling stockholders may enter into derivative, sale or forward sale transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement and/or other offering material indicates, in connection with those transactions, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement and/or other offering material, including in short sale transactions and by issuing securities not covered by this prospectus but convertible into, or exchangeable for or representing beneficial interests in such securities covered by this prospectus, or the return of which is derived in whole or in part from the value of such securities. The third parties may use securities received under derivative, sale or forward sale transactions, or securities pledged by us or borrowed from us or others to settle those sales or to close out any related open borrowings of stock, and may use securities received from us in settlement of those transactions to close out any related open borrowings of stock. The third party in such sale transactions will be an underwriter and will be identified in the applicable prospectus supplement (or a post-effective amendment) and/or other offering material.

Underwriters, broker-dealers or agents may receive compensation in the form of commissions, discounts or concessions from us or the selling stockholders. Underwriters, broker-dealers or agents may also receive compensation from the purchasers of shares for whom they act as agents or to whom they sell as principals, or both. Compensation as to a particular underwriter, broker-dealer or agent might be in excess of customary commissions and will be in amounts to be negotiated in connection with transactions involving shares. In effecting sales, broker-dealers may arrange for other broker-dealers to participate in the resales.

Each series of securities will be a new issue and, other than the common stock, which is listed on the Nasdaq Capital Market, will have no established trading market. We may elect to list any series of securities on an exchange, and in the case of the common stock, on any additional or substitute exchange, but, unless otherwise specified in the applicable prospectus supplement and/or other offering material, we shall not be obligated to do so. No assurance can be given as to the liquidity of the trading market for any of the securities.

Agents, underwriters and dealers may engage in transactions with, or perform services for us and our respective subsidiaries in the ordinary course of business.

Any underwriter may engage in over-allotment, stabilizing transactions, short covering transactions and penalty bids in accordance with Regulation M under the Exchange Act. Over-allotment involves sales in excess of the offering size, which create a short position. Stabilizing transactions permit bids to purchase the underlying security so long as the stabilizing bids do not exceed a specified maximum. Short covering transactions involve purchases of the securities in the open market after the distribution is completed to cover short positions. Penalty bids permit the underwriters to reclaim a selling concession from a dealer when the securities originally sold by the dealer are purchased in a covering transaction to cover short positions. Those activities may cause the price of the securities to be higher than it would otherwise be.

If commenced, the underwriters may discontinue any of the activities at any time. An underwriter may carry out these transactions on the Nasdaq Capital Market, any additional or substitute exchange on which our common stock is listed, in the over-the-counter market or otherwise. We and the selling stockholders do not make any representation or prediction as to the direction or magnitude of any effect that the transactions described above might have on the price of the securities. In addition, we do not make any representation that underwriters will engage in such transactions or that such transactions, once commenced, will not be discontinued without notice.

The place and time of delivery for securities will be set forth in the accompanying prospectus supplement and/or other offering material for such securities.

To comply with applicable state securities laws, the securities offered by this prospectus will be sold, if necessary, in such jurisdictions only through registered or licensed brokers or dealers. In addition, securities may not be sold in some states unless they have been registered or qualified for sale in the applicable state or an exemption from the registration or qualification requirement is available and is complied with.

LEGAL MATTERS

Faegre Drinker Biddle & Reath LLP will pass upon the validity of the securities offered hereby, unless otherwise indicated in the applicable prospectus supplement. Additional legal matters may be passed upon for us, the selling stockholders or any underwriters, dealers or agents, by counsel named in the applicable prospectus supplement.

EXPERTS

The consolidated financial statements incorporated in this prospectus by reference from our Annual Report on Form 10-K for the year ended December 31, 2021, filed with the SEC on March 14, 2022, and the financial statements incorporated in this prospectus by reference from our Current Report on Form 8-K, filed on May 19, 2022, have been audited by Baker Tilly US, LLP, an independent registered public accounting firm, as stated in their reports, which are incorporated herein by reference. Such financial statements have been so incorporated in reliance upon the reports of such firm given upon their authority as experts in accounting and auditing.



Pineapple Energy Inc.

\$100,000,000

Preferred Stock

Common Stock

Debt Securities

Stock Purchase Contracts

Warrants

Rights

Units

9,411,744 Shares of Common Stock

Offered by the Selling Stockholders

PROSPECTUS

, 2022

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PART II
INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution

The following is an estimate of the expenses (all of which are to be paid by the registrant) that we may incur in connection with the securities being registered hereby.

SEC registration fee	\$	12,106	
Fees and expenses of the trustee			*
Printing expenses			*
Legal fees and expenses			*
Accounting fees and expenses			*
FINRA filing fees			*
The Nasdaq Capital Market supplemental listing fee			*
Miscellaneous			*
Total	\$		*

* These fees are calculated based on the securities offered and the number of issuances and accordingly cannot be estimated at this time.

Item 15. Indemnification of Directors and Officers

Section 302A.521 of the MBCA provides that we shall indemnify a person made or threatened to be made a party to a proceeding by reason of the former or present official capacity of such person against judgments, penalties, fines, including, without limitation, excise taxes assessed against such person with respect to any employee benefit plan, settlements and reasonable expenses, including attorneys' fees and disbursements, incurred by such person in connection with the proceeding, if, with respect to the acts or omissions of such person complained of in the proceeding, such person:

- has not been indemnified by another organization or employee benefit plan for the same judgments, penalties, fines, including, without limitation, excise taxes assessed against the person with respect to an employee benefit plan, settlements, and reasonable expenses, including attorneys' fees and disbursements, incurred by the person in connection with the proceeding with respect to the same acts or omissions;
- acted in good faith;

- received no improper personal benefit and Section 302A.255 of the MBCA, if applicable, has been satisfied;
- in the case of a criminal proceeding, had no reasonable cause to believe the conduct was unlawful; and
- in the case of acts or omissions occurring in such person's performance in an official capacity, such person must have acted in a manner such person reasonably believed was in our best interests, or, in certain limited circumstances, not opposed to our best interests.

In addition, Section 302A.521, subdivision 3 requires payment by the registrant, upon written request, of reasonable expenses, including attorneys' fees and disbursements, in advance of final disposition in certain instances. A decision as to required indemnification is made by a majority of the disinterested board of directors present at a meeting at which a disinterested quorum is present, or by a designated committee of disinterested directors, by special legal counsel, by the disinterested shareholders, or by a court. We have entered into indemnification agreements with our directors and officers that may, in some cases, be broader than the specific indemnification provisions contained under the MBCA.

We maintain insurance that generally insures our officers and directors and the officers and directors of our subsidiaries (as defined in the insurance policy) against liabilities incurred in their professional capacities, and insures us with respect to amounts to which officers and directors become entitled as indemnification payments from us, subject to certain specified exclusions and deductible and maximum amounts. We also maintain an insurance policy that protects, among others, certain of its officers and directors and certain of the officers and directors of its subsidiaries against liabilities incurred for certain breaches of fiduciary duty with respect to their performance of certain duties and responsibilities, subject to certain specified exclusions and deductible and maximum amounts.

Item 16. Exhibits

The following exhibits are filed as a part of this Registration Statement.

<u>Exhibit No.</u>	<u>Description</u>	<u>Method of Filing</u>
1.1*	Form of Underwriting Agreement	
3.1	Amended and Restated Articles of Incorporation filed on March 28, 2022	Incorporated by Reference
3.2	Certificate of Designation of Preferences, Rights and Limitations of Series A Convertible Preferred Stock filed on March 25, 2022	Incorporated by Reference
3.3	Restated Bylaws as of March 28, 2022	Incorporated by Reference

<u>Exhibit No.</u>	<u>Description</u>	<u>Method of Filing</u>
4.1	Form of warrant issued to the certain investors on March 28, 2022	Incorporated by Reference
4.2	Registration Rights Agreement between the Registrant and certain investors, dated March 28, 2022	Incorporated by Reference
4.3*	Form of Preferred Stock Certificate	
4.4	Form of Senior Indenture	Filed herewith
4.5	Form of Subordinated Indenture	Filed herewith
4.6*	Form of Senior Note	
4.7*	Form of Subordinated Note	
4.8*	Form of Warrant Agreement	
4.9*	Form of Warrant	
4.10*	Form of Rights Agent Agreement (including form of Rights Certificate)	
4.11*	Form of Unit Agreement (including form of Unit Certificate)	
4.12*	Form of Stock Purchase Contract (including form of Stock Purchase Contract Certificate)	
5.1	Opinion of Faegre Drinker Biddle & Reath LLP	Filed herewith
23.1	Consent of Baker Tilly US, LLP, Independent Registered Public Accounting Firm for Communications Systems, Inc.	Filed herewith
23.2	Consent of Baker Tilly US, LLP, Independent Registered Public Accounting Firm for Pineapple Energy LLC	Filed herewith
23.3	Consent of Baker Tilly US, LLP, Independent Registered Public Accounting Firm for Hawaii Energy Connection, LLC and E-Gear, LLC	Filed herewith
23.4	Consent of Faegre Drinker Biddle & Reath LLP (included in Exhibit 5.1 hereto)	Filed herewith
24.1	Power of Attorney (included in Signatures)	Filed herewith

<u>Exhibit No.</u>	<u>Description</u>	<u>Method of Filing</u>
25.1*	Statement of Eligibility on Form T-1 under the Trust Indenture Act of 1939, as amended, of the trustee, as trustee under the Senior Indenture filed as Exhibit 4.10 above.	
25.2*	Statement of Eligibility on Form T-1 under the Trust Indenture Act of 1939, as amended, of the trustee, as trustee under the Subordinated Indenture filed as Exhibit 4.11 above.	
107	Filing Fee Table	Filed herewith

* To be filed by amendment or incorporated by reference in connection with the offering of the securities.

Item 17. Undertakings

(a) The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) to include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) to reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20% change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) to include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that paragraphs (a)(1)(i), (a)(1)(ii), and (a)(1)(iii) of this section do not apply if the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to Section 13 or Section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.

(2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act to any purchaser:

(i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and

(ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5), or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vi), or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) the portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
- (iv) other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(b) The undersigned registrant hereby undertakes that, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or Section 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.

(c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

(d) The undersigned registrant hereby undertakes to file an application for the purpose of determining the eligibility of the trustee to act under subsection (a) of Section 310 of the Trust Indenture Act in accordance with the rules and regulations prescribed by the SEC under Section 305(b)(2) of the Trust Indenture Act.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in Minnetonka, Minnesota, on this 25th day of August 2022.

By: /s/ Kyle Udseth

Kyle Udseth
Chief Executive Officer

Each person whose signature appears below constitutes and appoints Kyle Udseth and Kristin A. Hlavka as his or her true and lawful attorney-in-fact and agent, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to file and sign any and all amendments, including post-effective amendments and any registration statement for the same offering that is to be effective under Rule 462(b) of the Securities Act of 1933, to this registration statement, with the Securities and Exchange Commission, granting unto said attorneys-in- fact and agents, full power and authority to do and perform each and every act and thing requisite and necessary to be done in connection therewith as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents, or their substitute or substitutes may lawfully do or cause to be done by virtue hereof. This power of attorney shall be governed by and construed with the laws of the State of Minnesota and applicable federal securities laws.

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Kyle Udseth</u> _____ Kyle Udseth	Chief Executive Officer and Director (Principal Executive Officer)	8/25/22
<u>/s/ Kristin A. Hlavka</u> _____ Kristin A. Hlavka	Interim Chief Financial Officer (Principal Financial and Accounting Officer)	8/25/22
<u>/s/ Marilyn Adler</u> _____ Marilyn Adler	Director	8/25/22
<u>/s/ Thomas J. Holland</u> _____ Thomas J. Holland	Director	8/25/22

<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Scott Honour</u> Scott Honour	Director	8/25/22
<u>/s/ Roger H.D. Lacey</u> Roger H.D. Lacey	Director	8/25/22
<u>/s/ Randall D. Sampson</u> Randall D. Sampson	Director	8/25/22
<u>/s/ Michael R. Zapata</u> Michael R. Zapata	Director	8/25/22

PINEAPPLE ENERGY INC.
 TO
 [_____]
Trustee

INDENTURE
 Dated as of [_____]

Senior Debt Securities
 Pineapple Energy Inc.

Reconciliation and tie between Trust Indenture Act of 1939 and
 Indenture, dated as of [_____]

Trust Indenture Act Section	Indenture Section
§310(a)(1)	609
(a)(2)	609
(a)(3)	Not Applicable
(a)(4)	Not Applicable
(a)(5)	609
(b)	608, 610
§311(a)	613
(b)	613
§312(a)	701, 702(a)
(b)	702(b)
(c)	702(c)
§313(a)	703(a)
(b)	703(a)
(c)	703(a)
(d)	703(b)
§314(a)	704, 1005
(b)	Not Applicable
(c)(1)	102
(c)(2)	102
(c)(3)	Not Applicable
(d)	Not Applicable
(e)	102
§315(a)	601
(b)	602
(c)	601
(d)	601
(e)	514
§316(a)	101
(a)(1)(A)	104(h), 502, 512
(a)(1)(B)	104(h), 513
(a)(2)	Not Applicable
(b)	508

(c)	104(h)
§317(a)(1)	503
(a)(2)	504
(b)	1003
§318(a)	107
(c)	107

Note: This reconciliation and tie shall not, for any purpose, be deemed to be part of the Indenture.

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INDENTURE (the "Indenture") dated as of [_____] , between PINEAPPLE ENERGY INC., a Minnesota corporation (hereinafter called the "Company"), having its principal place of business at 315 East Lake Street, Suite 301 Wayzata, MN 55391, and [_____] , (hereinafter called the "Trustee"), a national banking association duly organized and validly existing under the laws of the United States of America having its Corporate Trust Office at [_____].

RECITALS OF THE COMPANY

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its debentures, notes, bonds and other evidences of indebtedness (herein called the "Debt Securities").

All things necessary have been done to make this Indenture a valid agreement of the Company, in accordance with its terms. NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Debt Securities of any series created and issued on or after the date hereof by the Holders thereof, it is mutually covenanted and agreed for the benefit of all Holders of such Debt Securities or of any such series, as follows:

ARTICLE ONE Definitions and Other Provisions of General Application

Section 1.01 *Definitions.*

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

- (1) the terms defined in this Article have the meanings assigned to them in this Article, and include the plural as well as the singular;
 - (2) all other terms used herein which are defined in the Trust Indenture Act or by Commission rule or regulation under the Trust Indenture Act, either directly or by reference therein, as in force at the date as of which this instrument was executed, except as provided in Section 905, have the meanings assigned to them therein;
 - (3) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles, and, except as otherwise herein expressly provided, the term "generally accepted accounting principles" with respect to any computation required or permitted hereunder shall mean such accounting principles as are generally accepted in the United States at the date of such computation; and
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(4) the words “herein”, “hereof” and “hereunder” and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

Certain terms, used principally in Article Six, are defined in that Article.

“Act” when used with respect to any Holder has the meaning specified in Section 104.

“Affiliate” of any specified Person means any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, “control” when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities by contract or otherwise, and the terms “controlling” and “controlled” have meanings correlative to the foregoing.

“Authorized Newspaper” means a newspaper in an official language of the country of publication or in the English language customarily published on each Business Day, whether or not published on Saturdays, Sundays or holidays, and of general circulation in the place in connection with which the term is used or in the financial community of such place. Where successive publications are required to be made in Authorized Newspapers, the successive publications may be made in the same or in different newspapers in the same city meeting the foregoing requirements and in each case on any Business Day.

“Bearer Security” means any Debt Security established pursuant to Section 201 which is payable to bearer including, without limitation, unless the context otherwise indicates, a Debt Security in global bearer form.

“Board of Directors” means either the board of directors of the Company, or the executive or any other committee of that board duly authorized to act in respect hereof.

“Board Resolution” means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee. Where any provision of this Indenture refers to action to be taken pursuant to a Board Resolution (including the establishment of any series of the Debt Securities and the forms and terms thereof), such action may be taken by any committee of the Board of the Company or any officer or employee of the Company authorized to take such action by a Board Resolution.

“Business Day”, when used with respect to any Place of Payment, means any day which is not a Saturday or Sunday and which is not a legal holiday or a day on which banking institutions or trust companies in that Place of Payment are authorized or obligated by law or executive order to close.

“Clearstream” means Clearstream Banking S.A.

“Commission” means the Securities and Exchange Commission, as from time to time constituted, created under the Exchange Act, or if at any time after the execution of this

instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties on such date.

“Company” means the Person named as the “Company” in the first paragraph of this instrument until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Company” shall mean such successor Person.

“Company Request” and “Company Order” mean, respectively, except as otherwise provided in this Indenture, a written request or order signed in the name of the Company by the Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President (any references to a Vice President of the Company herein shall be deemed to include any Vice President of the Company whether or not designated by a number or word or words added before or after the title “Vice President”), the Treasurer, an Assistant Treasurer, the Controller, an Assistant Controller, Secretary or an Assistant Secretary of the Company or by another officer of the Company duly authorized to sign by a Board Resolution, and delivered to the Trustee.

“Corporate Trust Office” means the principal office of the Trustee at which at any particular time its corporate trust business shall be administered, which office at the date of original execution of this Indenture is located at [_____].

The term “corporation” includes corporations, associations, companies and business trusts. The term “coupon” means any interest coupon appertaining to a Bearer Security.

“Debt Securities” has the meaning stated in the first recital of this Indenture and more particularly means any Debt Securities authenticated and delivered under this Indenture.

“Defaulted Interest” has the meaning specified in Section 307.

“Depository” means, with respect to the Debt Securities of any series issuable or issued in the form of a Global Security, the Person designated as Depository by the Company pursuant to Section 301 until a successor Depository shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Depository” shall mean or include each person who is then a Depository hereunder, and if at any time there is more than one such Person, “Depository” as used with respect to the Debt Securities of any such series shall mean the Depository with respect to the Debt Securities of that series.

“Designated Currency” has the meaning specified in Section 312.

“Dollar” or “\$” means the coin or currency of the United States of America as at the time of payment is legal tender for the payment of public and private debts.

“Eligible Instruments” means monetary assets, money market instruments and securities that are payable in Dollars only and essentially risk free as to collection of principal and interest, including U.S. Government Obligations.

“Euro” means the single currency of the European Monetary Union as defined under EC Regulation 1103/97 adopted under Article 235 of the EU Treaty and under EC Regulation

974/98 adopted under Article 109l(4) of the EU Treaty or under any successor European legislation from time to time.

“Euroclear” means Euroclear Bank S.A./N.V., as operator of the Euroclear System.

“Event of Default” has the meaning specified in Section 501.

“Exchange Act” means the Securities Exchange Act of 1934, as amended.

“Exchange Rate” shall have the meaning specified as contemplated in Section 301.

“Exchange Rate Agent” shall have the meaning specified as contemplated in Section 301.

“Exchange Rate Officer’s Certificate”, with respect to any date for the payment of principal of (and premium, if any) and interest on any series of Debt Securities, means a certificate setting forth the applicable Exchange Rate and the amounts payable in Dollars and Foreign Currencies in respect of the principal of (and premium, if any) and interest on Debt Securities denominated in Euro, any other composite currency or Foreign Currency, and signed by the Chairman of the Board, a Vice Chairman of the Board, the President, a Vice President, the Treasurer or any Assistant Treasurer of the Company or the Exchange Rate Agent appointed pursuant to Section 301, and delivered to the Trustee.

“Foreign Currency” means a currency issued by the government of any country other than the United States of America.

“Global Exchange Agent” has the meaning specified in Section 304.

“Global Exchange Date” has the meaning specified in Section 304.

“Global Security” means a Debt Security issued to evidence all or part of a series of Debt Securities in accordance with Section 303.

“Holder”, with respect to a Registered Security, means a Person in whose name such Registered Security is registered in the Security Register and, with respect to a Bearer Security or a coupon, means the bearer thereof.

“Indenture” means this instrument as originally executed or as it may from time to time be supplemented, amended or restated by or pursuant to one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof and, unless the context otherwise requires, shall include the terms of a particular series of Debt Securities established as contemplated by Section 301.

The term “interest”, when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity.

“Interest Payment Date”, with respect to any Debt Security, means the Stated Maturity of an installment of interest on such Debt Security.

“Maturity”, when used with respect to any Debt Security, means the date on which the principal of such Debt Security becomes due and payable as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, call for redemption, repayment at the option of the Holder or otherwise.

“Officers’ Certificate” means a certificate signed by the Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President, and by the Treasurer, an Assistant Treasurer, the Controller, an Assistant Controller, the Secretary or an Assistant Secretary of the Company, and delivered to the Trustee.

“Opinion of Counsel” means a written opinion of counsel, who may (except as otherwise expressly provided in this Indenture) be an employee of or counsel for the Company, or who may be other counsel, which is delivered to the Trustee.

“Original Issue Discount Security” means any Debt Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502.

“Outstanding”, when used with respect to Debt Securities means, as of the date of determination, all Debt Securities theretofore authenticated and delivered under this Indenture, *except*:

(i) Debt Securities theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(ii) Debt Securities or portions thereof for whose payment or redemption money or Eligible Instruments in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Debt Securities and any coupons appertaining thereto; *provided, however*, that if such Debt Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made; and

(iii) Debt Securities in exchange for or in lieu of which other Debt Securities have been authenticated and delivered, or which have been paid, pursuant to this Indenture;

provided, however, that in determining whether the Holders of the requisite principal amount of Debt Securities Outstanding have given any request, demand, authorization, direction, notice, consent or waiver hereunder, Debt Securities owned by the Company or any other obligor upon the Debt Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in relying upon such request, demand, authorization, direction, notice, consent or waiver, only Debt Securities which a Responsible Officer of the Trustee actually knows to be so owned shall be so disregarded. Debt Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee’s right so to act with respect to such Debt Securities and that the pledgee is not the

Company or any other obligor upon the Debt Securities or any Affiliate of the Company or of such other obligor.

“Paying Agent” means any Person authorized by the Company to pay the principal of (and premium, if any) or interest on any Debt Securities on behalf of the Company.

“Person” means any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization or government or any agency or political subdivision thereof.

“Place of Payment”, when used with respect to the Debt Securities of any series means any place where the principal of (and premium, if any) and interest on the Debt Securities of that series are payable as specified as contemplated by Section 301.

“Predecessor Security” of any particular Debt Security means every previous Debt Security evidencing all or a portion of the same debt as that evidenced by such particular Debt Security; and, for the purposes of this definition, any Debt Security authenticated and delivered under Section 306 in lieu of a lost, destroyed or stolen Debt Security shall be deemed to evidence the same debt as the lost, destroyed or stolen Debt Security.

“Redemption Date”, when used with respect to any Debt Security to be redeemed, means the date fixed for such redemption by or pursuant to this Indenture.

“Redemption Price”, when used with respect to any Debt Security to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

“Registered Security” means any Debt Security in the form of Registered Securities established pursuant to Section 201 which is registered in the Security Register.

“Regular Record Date” for the interest payable on any Interest Payment Date on the Registered Securities of any series means the date specified for that purpose as contemplated by Section 301.

“Remarketing Entity”, when used with respect to Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity, means any person designated by the Company to purchase any such Debt Securities.

“Repayment Date”, when used with respect to any Debt Security to be repaid upon exercise of an option for repayment by the Holder, means the date fixed for such repayment pursuant to this Indenture.

“Repayment Price”, when used with respect to any Debt Security to be repaid upon exercise of an option for repayment by the Holder, means the price at which it is to be repaid pursuant to this Indenture.

“Responsible Officer” when used with respect to the Trustee, means any vice president, any assistant vice president, any senior trust officer or assistant trust officer, any trust officer, or any other officer associated with the corporate trust department of the Trustee customarily

performing functions similar to those performed by any of the above designated officers and also means, with respect to a particular corporate trust matter, any other officer to whom such matter is referred because of such person's knowledge of and familiarity with the particular subject.

"Security Register" and "Security Registrar" have the respective meanings specified in Section 305.

"Special Record Date" for the payment of any Defaulted Interest means a date fixed by the Trustee pursuant to Section 307.

"Stated Maturity," when used with respect to any Debt Security or any installment of interest thereon, means the date specified in such Debt Security or a coupon representing such installment of interest as the fixed date on which the principal of such Debt Security or such installment is due and payable.

"Trust Indenture Act" means the Trust Indenture Act of 1939, as amended, as in force at the date as of which this instrument was executed, except as provided in Section 905.

"Trustee" means the Person named as the "Trustee" in the first paragraph of this instrument until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter "Trustee" shall mean or include each Person who is then a Trustee hereunder, and if at any time there is more than one such Person, "Trustee" as used with respect to the Debt Securities of any series shall mean the Trustee with respect to Debt Securities of that series.

"United States" means the United States of America (including the District of Columbia) and its possessions.

"United States Alien" means any Person who, for United States Federal income tax purposes, is a foreign corporation, a non-resident alien individual, a non-resident alien fiduciary of a foreign estate or trust, or a foreign partnership one or more of the members of which is, for United States Federal income tax purposes, a foreign corporation, a non-resident alien individual or a non-resident alien fiduciary of a foreign estate or trust.

"U.S. Government Obligations" means direct obligations of the United States for the payment of which its full faith and credit is pledged, or obligations of a person controlled or supervised by and acting as an agency or instrumentality of the United States the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States, and shall also include a depository receipt issued by a bank (as defined in Section 3(a)(2) of the Securities Act of 1933, as amended) as custodian with respect to any such U.S. Government Obligation or a specific payment of principal of or interest on any such U.S. Government Obligation held by such custodian for the account of the holder of such depository receipt, *provided* that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligation or the specific payment of principal of or interest on the U.S. Government Obligation evidenced by such depository receipt.

Section 1.02 *Compliance Certificates and Opinions.*

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee, if so requested by the Trustee, an Officers' Certificate stating that all conditions precedent, if any, provided for in this Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent, if any, have been complied with, except that in the case of any such application or request as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture shall include:

- (1) a statement that each individual signing such certificate or opinion has read such covenant or condition and the definitions herein relating thereto;
- (2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;
- (3) a statement that, in the opinion of each such individual, he or she has made such examination or investigation as is necessary to enable him or her to express an informed opinion as to whether or not such covenant or condition has been complied with; and
- (4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

Section 1.03 *Form of Documents Delivered to Trustee.*

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his or her certificate or opinion is based are erroneous. Any such certificate or Opinion of Counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinions or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

Section 1.04 *Acts of Holders.*

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by an agent duly appointed in writing. If Debt Securities of a series are issuable in whole or in part as Bearer Securities, any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may, alternatively, be embodied in and evidenced by the record of Holders of Debt Securities voting in favor thereof, either in person or by proxies duly appointed in writing, at any meeting of Holders of Debt Securities duly called and held in accordance with the provisions of Article Fourteen, or a combination of such instruments and any such record. Except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments or record or both are delivered to the Trustee, and, where it is hereby expressly required, to the Company. Such instrument or instruments and any such record (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments and so voting at any such meeting. Proof of execution of any such instrument or of a writing appointing any such agent, or the holding by any Person of a Debt Security, shall be sufficient for any purpose of this Indenture and (subject to Section 601) conclusive in favor of the Trustee and the Company, if made in the manner provided in this Section. The record of any meeting of Holders of Debt Securities shall be proved in the manner provided in Section 1406.

(b) The fact and date of the execution by any Person of any such instrument or writing may be proved in any manner which the Trustee deems sufficient.

(c) The ownership of Registered Securities shall be proved by the Security Register.

(d) The principal amount and serial numbers of Bearer Securities held by any Person, and the date of holding the same, may be proved by the production of such Bearer Securities or by a certificate executed, as depository, by any trust company, bank, banker or other depository, wherever situated, if such certificate shall be deemed by the Trustee to be satisfactory, showing that at the date therein mentioned such Person had on deposit with such depository, or exhibited to it, the Bearer Securities in the amount and with the serial numbers therein described; or such facts may be proved by the certificate or affidavit of the Person holding such Bearer Securities, if such certificate or affidavit is deemed by the Trustee to be satisfactory. The Trustee and the Company may assume that such ownership of any Bearer Security continues until (1) another certificate or affidavit bearing a later date issued in respect of the same Bearer Security is produced, or (2) such Bearer Security is produced to the Trustee by some other person, or (3) such Bearer Security is surrendered in exchange for a Registered Security, or (4) such Bearer Security is no longer Outstanding.

(e) The fact and date of execution of any such instrument or writing, the authority of the Person executing the same and the principal amount and serial numbers of Bearer Securities held by the Person so executing such instrument or writing and the date of holding the same may also be proved in any other manner which the Trustee deems sufficient;

and the Trustee may in any instance require further proof with respect to any of the matters referred to in this Section.

(f) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Debt Security shall bind every future holder of the same Debt Security and the Holder of every Debt Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, suffered or omitted by the Trustee or the Company in reliance thereon, whether or not notation of such action is made upon such Debt Security.

(g) For purposes of determining the principal amount of Outstanding Debt Securities of any series the Holders of which are required, requested or permitted to give any request, demand, authorization, direction, notice, consent, waiver or take any other Act under this Indenture, (i) each Original Issue Discount Security shall be deemed to have the principal amount determined by the Trustee that could be declared to be due and payable pursuant to the terms of such Original Issue Discount Security as of the date there is delivered to the Trustee and, where it is hereby expressly required, to the Company, such Act by Holders of the required aggregate principal amount of the Outstanding Debt Securities of such series and (ii) each Debt Security denominated in a Foreign Currency or composite currency shall be deemed to have the principal amount determined by the Exchange Rate Agent by converting the principal amount of such Debt Security in the currency in which such Debt Security is denominated into Dollars at the Exchange Rate as of the date such Act is delivered to the Trustee and, where it is hereby expressly required, to the Company, by Holders of the required aggregate principal amount of the Outstanding Debt Securities of such series (or, if there is no such rate on such date, such rate on the date determined as specified as contemplated in Section 301).

(h) The Company may set a record date for purposes of determining the identity of Holders of Debt Securities of any series entitled to vote or consent to any action by vote or consent authorized or permitted by Section 512 or Section 513. Such record date shall be the later of 30 days prior to the first solicitation of such consent or the date of the most recent list of Holders of such Debt Securities furnished to the Trustee pursuant to Section 701 prior to such solicitation.

Section 1.05 *Notices, etc., to Trustee and Company.*

Any request, demand, authorization, direction, notice, consent, waiver or other Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided), if made, given, furnished or filed in writing (which may be via original or facsimile) to or with the Trustee at its Corporate Trust Office and which shall be deemed delivered when actually received by a Responsible Officer of the Trustee, or

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed,

first-class postage prepaid, to the Company addressed to the attention of its Secretary at the address of its principal office specified in the first paragraph of this instrument or at any other address previously furnished in writing to the Trustee by the Company.

The Trustee agrees to accept and act upon instructions or directions pursuant to this Indenture sent by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods; *provided, however*, that (a) the party providing such electronic instructions or directions, subsequent to the transmission thereof, shall provide the originally executed instructions or directions to the Trustee in a timely manner and (b) such originally executed instructions or directions shall be signed by an authorized representative of the party providing such instructions or directions. The Trustee shall not be liable for any losses, costs or expenses arising directly or indirectly from the Trustee's reliance upon and compliance with such instructions or directions notwithstanding such instructions or directions conflict or are inconsistent with a subsequent written instruction or direction or if the subsequent written instruction or direction is never received. The party providing instructions or directions by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods, as aforesaid, agrees to assume all risks arising out of the use of such electronic methods to submit instructions and directions to the Trustee, including without limitation the risk of the Trustee acting on unauthorized instructions, and the risk of interception and misuse by third parties.

Section 1.06 *Notice to Holders; Waiver.*

Except as otherwise expressly provided herein, where this Indenture provides for notice to Holders of any event, (1) such notice shall be sufficiently given to Holders of Registered Securities if in writing and mailed, first-class postage prepaid, to each Holder of a Registered Security affected by such event, at such Holder's address as it appears in the Security Register, not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice; and (2) such notice shall be sufficiently given to Holders of Bearer Securities by publication thereof in an Authorized Newspaper in [The City of New York] and, if the Debt Securities of such series are then listed on any stock exchange outside the United States and such stock exchange shall so require, in any other required city outside the United States or, if not practicable, in Europe on a Business Day at least twice, the first such publication to be not later than the latest date and not earlier than the earliest date prescribed for the giving of such notice.

In case, by reason of the suspension of or irregularities in regular mail service or for any other reason, it shall be impossible or impracticable to mail notice of any event to Holders of Registered Securities when said notice is required to be given pursuant to any provision of this Indenture or of the Debt Securities, then any manner of giving such notice as shall be satisfactory to the Trustee shall be deemed to be a sufficient giving of such notice. In any case where notice to Holders of Registered Securities is to be given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder of a Registered Security shall affect the sufficiency of such notice with respect to other Holders of Registered Securities or the sufficiency of any notice by publication to Holders of Bearer Securities given as provided above.

In case, by reason of the suspension of publication of any Authorized Newspaper, or by reason of any other cause, it shall be impossible or impracticable to make publication of any notice to Holders of Bearer Securities as provided above, then such method of publication or

notification as shall be made with the approval of the Trustee shall constitute a sufficient publication of such notice. Neither failure to give notice by publication to Holders of Bearer Securities as provided above, nor any defect in any notice so published, shall affect the sufficiency of any notice mailed to Holders of Registered Securities as provided above.

Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

Any request, demand, authorization, direction, notice, consent, election, waiver or other Act required or permitted under this Indenture shall be in the English language, except that any published notice may be in an official language of the country of publication.

Section 1.07 *Conflict with Trust Indenture Act.*

If any provision hereof limits, qualifies or conflicts with another provision hereof which is required to be included in this Indenture by any of the provisions of the Trust Indenture Act, such required provision shall control.

Section 1.08 *Effect of Headings and Table of Contents.*

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

Section 1.09 *Successors and Assigns.*

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

Section 1.10 *Separability Clause.*

In case any provision in this Indenture or in the Debt Securities or any coupons shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

Section 1.11 *Benefits of Indenture.*

Nothing in this Indenture or in the Debt Securities or any coupons, express or implied, shall give to any Person, other than the parties hereto and their successors hereunder, any Paying Agent and the Holders, any benefit or any legal or equitable right, remedy or claim under this Indenture.

Section 1.12 *Governing Law.*

This Indenture and the Debt Securities and any coupons shall be governed by and construed in accordance with the laws of the State of New York.

Section 1.13 *Legal Holidays.*

In any case where any Interest Payment Date, Redemption Date, Repayment Date or Stated Maturity of any Debt Security shall not be a Business Day at any Place of Payment, then (notwithstanding any other provision of this Indenture or of the Debt Securities or coupons) payment of interest or principal (and premium, if any) need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment with the same force and effect as if made on the Interest Payment Date, Redemption Date, Repayment Date or at the Stated Maturity, and no interest shall accrue on the amount so payable for the period from and after such Interest Payment Date, Redemption Date, Repayment Date or Stated Maturity, as the case may be.

Section 1.14 *Counterparts.*

This Indenture may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Indenture.

Section 1.15 *Exemption from Individual Liability.*

No recourse under or upon any obligation, covenant or agreement of this Indenture, or of any Debt Security or any coupon, or for any claim based thereon or otherwise in respect thereof, shall be had against any incorporator, stockholder, officer or director, as such, past, present or future, of the Company or of any successor corporation, either directly or through the Company, whether by virtue of any constitution, statute or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that this Indenture and the obligations issued hereunder are solely corporate obligations of the Company, and that no such personal liability whatever shall attach to, or is or shall be incurred by, the incorporators, stockholders, officers or directors, as such, of the Company or any successor corporation, or any of them, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Debt Securities or any coupon or implied therefrom; and that any and all such personal liability, either at common law or in equity or by constitution or statute, of, and any and all such rights and claims against, every such incorporator, stockholder, officer or director, as such, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Debt Securities or any coupon or implied, therefrom are hereby expressly waived and released as a condition of and as a consideration for, the execution of this Indenture and the issue of such Debt Securities.

ARTICLE TWO
Debt Security Forms

Section 2.01 *Forms Generally.*

The Registered Securities, if any, and the Bearer Securities and related coupons, if any, of each series shall be in substantially the form (including temporary or permanent global form) as shall be established in or pursuant to a Board Resolution or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and

other variations as are required or permitted by this Indenture, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon, as may be required to comply with the rules of any securities exchange, or as may, consistently herewith, be determined by the officers executing such Debt Securities or coupons, as evidenced by their signatures on the Debt Securities or coupons. If the form of Debt Securities of any series or coupons (including any such Global Security) is established by action taken pursuant to a Board Resolution, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Debt Securities or coupons.

Unless otherwise specified as contemplated by Section 301, Debt Securities in bearer form other than Debt Securities in temporary or permanent global form shall have coupons attached.

The definitive Debt Securities and coupons, if any, shall be printed, lithographed or engraved on steel engraved borders or may be produced in any other manner, all as determined by the officers executing such Debt Securities, as evidenced by the execution of such Debt Securities and coupons.

Section 2.02 *Form of Trustee's Certificate of Authentication.*

This is one of the Debt Securities, of the series designated herein, described in the within-mentioned Indenture.

[_____],

as Trustee

By

Authorized Signatory

Dated

Section 2.03 *Debt Securities in Global Form.*

If Debt Securities of a series are issuable in whole or in part in global form, as specified as contemplated by Section 301, then, notwithstanding clause (10) of Section 301 and the provisions of Section 302, such Global Security shall represent such of the outstanding Debt Securities of such series as shall be specified therein and may provide that it shall represent the aggregate amount of Outstanding Debt Securities from time to time endorsed thereon and that the aggregate amount of Outstanding Debt Securities represented thereby may from time to time be reduced to reflect exchanges. Any endorsement of a Global Security to reflect the amount, or any increase or decrease in the amount, of Outstanding Debt Securities represented thereby shall be made in such manner and upon instructions given by such Person or Persons as shall be specified therein or in the Company Order to be delivered to the Trustee pursuant to Section 303 or Section 304.

The provisions of the last sentence of Section 303(g) shall apply to any Debt Securities represented by a Debt Security in global form if such Debt Security was never issued and sold by

the Company and the Company delivers to the Trustee the Debt Security in global form together with written instructions (which need not comply with Section 102 and need not be accompanied by an Opinion of Counsel) with respect to the reduction in the principal amount of Debt Securities represented thereby, together with the written statement contemplated by the last sentence of Section 303(g).

Global Securities may be issued in either registered or bearer form and in either temporary or permanent form.

ARTICLE THREE
The Debt Securities

Section 3.01 *Amount Unlimited; Issuance in Series.*

The aggregate principal amount of Debt Securities which may be authenticated and delivered under this Indenture is unlimited. The Debt Securities may be issued in one or more series. There shall be established in or pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental hereto, prior to the issuance of Debt Securities of any series:

- (1) the title of the Debt Securities of the series;
- (2) the limit, if any, upon the aggregate principal amount of the Debt Securities of the series which may be authenticated and delivered under this Indenture (except for Debt Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Debt Securities of the series pursuant to Section 304, 305, 306, 906, 1107 or 1303 and except for any Debt Securities which, pursuant to Section 303, are deemed never to have been authenticated and delivered hereunder);
- (3) the date or dates on which the principal and premium, if any, of the Debt Securities of the series are payable;
- (4) the rate or rates, if any, at which the Debt Securities of the series shall bear interest, or the method or methods by which such rate or rates may be determined, the date or dates from which such interest shall accrue, the Interest Payment Dates on which such interest shall be payable, the Regular Record Date for the interest payable on any Registered Security on any Interest Payment Date and the circumstances, if any, in which the Company may defer interest payments;
- (5) the place or places where, subject to the provisions of Section 1002, the principal of (and premium, if any) and interest on Debt Securities of the series shall be payable, any Registered Securities of the series may be surrendered for registration of transfer, Debt Securities of the series may be surrendered for exchange and notices and demands to or upon the Company in respect of the Debt Securities of the series and this Indenture may be served and where notices to Holders pursuant to Section 106 will be published;

(6) if applicable, the period or periods within which or the date or dates on which, the price or prices at which and the terms and conditions upon which Debt Securities of the series may be redeemed, in whole or in part, at the option of the Company;

(7) the obligation, if any, of the Company to redeem, repay or purchase Debt Securities of the series pursuant to any sinking fund or analogous provisions or at the option of a Holder thereof and the period or periods within which, the price or prices at which and the terms and conditions upon which Debt Securities of the series shall be redeemed, repaid or purchased, in whole or in part, pursuant to such obligation;

(8) whether Debt Securities of the series are to be issuable as Registered Securities, Bearer Securities or both, whether Debt Securities of the series are to be issuable with or without coupons or both and, in the case of Bearer Securities, the date as of which such Bearer Securities shall be dated if other than the date of original issuance of the first Debt Security of such series of like tenor and term to be issued;

(9) whether the Debt Securities of the series shall be issued in whole or in part in the form of a Global Security or Securities and, in such case, the Depository for such Global Security or Securities, whether such global form shall be permanent or temporary and, if applicable, the Global Exchange Date and Global Exchange Agent;

(10) if Debt Securities of the series are to be issuable initially in the form of a temporary Global Security, the circumstances under which the temporary Global Security can be exchanged for definitive Debt Securities and whether the definitive Debt Securities will be Registered and/or Bearer Securities and will be in global form and whether interest in respect of any portion of such Global Security payable in respect of an Interest Payment Date prior to the Global Exchange Date shall be paid to any clearing organization with respect to a portion of such Global Security held for its account and, in such event, the terms and conditions (including any certification requirements) upon which any such interest payment received by a clearing organization will be credited to the Persons entitled to interest payable on such Interest Payment Date if other than as provided in this Article Three;

(11) whether, and under what conditions, additional amounts will be payable to Holders of Debt Securities of the series pursuant to Section 1004;

(12) the denominations in which any Registered Securities of the series shall be issuable, if other than denominations of \$1,000 and any integral multiple thereof, and the denominations in which any Bearer Securities of such series shall be issuable, if other than the denomination of \$5,000;

(13) if other than the principal amount thereof, the portion of the principal amount of Debt Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 502;

(14) the currency or currencies of denomination of the Debt Securities of any series, which may be in Dollars, any Foreign Currency or any composite currency,

including but not limited to the Euro, and, if any such currency of denomination is a composite currency other than the Euro, the agency or organization, if any, responsible for overseeing such composite currency;

(15) the currency or currencies in which payment of the principal of (and premium, if any) and interest on the Debt Securities will be made, the currency or currencies, if any, in which payment of the principal of (and premium, if any) or the interest on Registered Securities, at the election of each of the Holders thereof, may also be payable and the periods within which and the terms and conditions upon which such election is to be made, and the Exchange Rate and the person who shall be the Exchange Rate Agent for the Debt Securities of such series;

(16) if payments of principal of (and premium, if any) or interest on the Debt Securities of the series are to be made in a Foreign Currency other than the currency in which such Debt Securities are denominated, the manner in which the Exchange Rate with respect to such payments shall be determined;

(17) any Events of Default with respect to Debt Securities of such series, if not set forth herein;

(18) any other covenant or warranty included for the benefit of the Debt Securities of the series in addition to (and not inconsistent with) those set forth herein for the benefit of Debt Securities of all series, or any other covenant or warranty included for the benefit of Debt Securities of the series in lieu of any covenant or warranty set forth herein for the benefit of Debt Securities of all series, or any provision that any covenant or warranty set forth herein for the benefit of Debt Securities of all series shall not be for the benefit of Debt Securities of such series, or any combination of such covenants, warranties or provisions and whether the provisions of Section 1006 will not apply such covenants and warranties;

(19) the terms and conditions, if any, pursuant to which the Company's obligations under this Indenture may be terminated through the deposit of money or Eligible Instruments as provided in Articles Four and Fifteen;

(20) the Person or Persons who shall be Security Registrar for the Debt Securities of such series if other than the Trustee, and the place or places where the Security Register for such series shall be maintained and the Person or Persons who will be the initial Paying Agent or Agents, if other than the Trustee; and

(21) any other terms of the series (which terms shall not be inconsistent with the provisions of this Indenture). All Debt Securities of any one series and the coupons appertaining to Bearer Securities of such series, if any, shall be substantially identical except, in the case of Registered Securities, as to denomination and except as may otherwise be provided in or pursuant to such Board Resolution and set forth in such Officers' Certificate or in any such indenture supplemental hereto.

Debt Securities of any particular series may be issued at various times, with different dates on which the principal or any installment of principal is payable, with different rates of

interest, if any, or different methods by which rates of interest may be determined, with different dates on which such interest may be payable and with different Redemption or Repayment Dates and may be denominated in different currencies or payable in different currencies.

If any of the terms of a series of Debt Securities are established by action taken pursuant to a Board Resolution, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate setting forth the terms of the series.

Section 3.02 *Denominations.*

Debt Securities of each series shall be issuable in such form and denominations as shall be specified in the form of Debt Security for such series approved or established pursuant to Section 201 or in the Officers' Certificate delivered pursuant to Section 301. In the absence of any specification with respect to the Debt Securities of any series, the Registered Securities of such series, if any, shall be issuable in denominations of \$1,000 and any integral multiple thereof and the Bearer Securities of such series, if any, shall be issuable in denominations of \$5,000.

Section 3.03 *Execution, Authentication, Delivery and Dating.*

(a) The Debt Securities shall be executed on behalf of the Company by its Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President, and by its Treasurer or one of its Assistant Treasurers or its Secretary or one of its Assistant Secretaries under its corporate seal reproduced thereon. The signature of any of these officers on the Debt Securities may be manual or facsimile. Coupons shall bear the facsimile signature of an authorized officer of the Company.

Debt Securities and coupons bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Debt Securities or coupons of any series or did not hold such offices at the date of such Debt Securities or coupons.

(b) At any time and from time to time after the execution and delivery of this Indenture, Debt Securities of any series may be executed by the Company and delivered to the Trustee for authentication, and, except as otherwise provided in this Article Three, shall thereupon be authenticated and delivered by the Trustee upon Company Order, without any further action by the Company; *provided, however*, that, in connection with its original issuance, a Bearer Security may be delivered only outside the United States and, except in the case of a temporary Global Security, only if the Company or its agent shall have received the certification required pursuant to Sections 304(b)(iii) and (iv), unless such certification shall have been provided earlier pursuant to section 304(b)(v) hereof, and only if the Company has no reason to know that such certification is false.

To the extent authorized in or pursuant to a Board Resolution and set forth in an Officers' Certificate, or established in one or more indentures supplemental hereto, such written Company Order may be given by any one officer or employee of the Company, may be electronically transmitted, and may provide instructions as to registration of holders, principal amounts, rates of

interest, maturity dates and other matters contemplated by such Board Resolution and Officers' Certificate or supplemental indenture to be so instructed in respect thereof. Before authorizing and delivering the first Debt Securities of any series (and upon request of the Trustee thereafter), the Company shall deliver to the Trustee (i) the certificates called for under Sections 201 and 301 hereof and (ii) an Opinion of Counsel described in the next sentence.

In authenticating such Debt Securities, and accepting the additional responsibilities under this Indenture in relation to any such Debt Securities, the Trustee shall be entitled to receive, prior to the initial authentication of such Debt Securities, and (subject to Section 601) shall be fully protected in relying upon:

- (i) a Board Resolution relating thereto and, if applicable, an appropriate record of any action taken pursuant to such resolution certified by the Secretary or an Assistant Secretary of the Company;
- (ii) an executed supplemental indenture, if any, relating thereto;
- (iii) an Officers' Certificate setting forth the form and terms of the Debt Securities of such series and coupons, if any, pursuant to Sections 201 and 301 and stating that all conditions precedent provided for in this Indenture relating to the issuance of such Debt Securities have been complied with; and
- (iv) an Opinion of Counsel stating
 - (A) that the form of such Debt Securities and coupons, if any, has been established in or pursuant to a Board Resolution or by a supplemental indenture as permitted by Section 201 in conformity with the provisions of this Indenture;
 - (B) that the terms of such Debt Securities and coupons, if any, have been established in or pursuant to a Board Resolution or by a supplemental indenture as permitted by Section 301 in conformity with the provisions of this Indenture; and
 - (C) that such Debt Securities and coupons, if any, when authenticated and delivered by the Trustee and issued by the Company in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute legal, valid and binding obligations of the Company, enforceable in accordance with their terms, subject, as to enforcement of remedies, to applicable bankruptcy, reorganization, insolvency, moratorium or other laws affecting creditors' rights generally and the application of general principles of equity and except further as enforcement thereof may be limited by (i) requirements that a claim with respect to any Debt Securities denominated other than in Dollars (or a Foreign Currency or currency unit judgment in respect of such claim) be converted into Dollars at a rate of exchange prevailing on a date determined pursuant to applicable law or (ii) governmental authority to limit, delay or prohibit the making of payments in Foreign Currencies or currency units or payments outside the United States.

(c) If the Company shall establish pursuant to Section 301 that the Debt Securities of a series are to be issued in whole or in part in the form of one or more Global Securities, then the Company shall execute and the Trustee shall, in accordance with this Section and the Company Order with respect to such series, authenticate and deliver one or more Global Securities in permanent or temporary form that (i) shall represent and shall be denominated in an aggregate amount equal to the aggregate principal amount of the Outstanding Debt Securities of such series to be represented by one or more Global Securities, (ii) shall be registered in the name of the Depository for such Global Security or Securities or the nominee of such Depository and (iii) shall be delivered by the Trustee to such Depository or pursuant to such Depository's instructions.

(d) The Trustee shall have the right to decline to authenticate and deliver any Debt Securities under this Section 303 if the issuance of such Debt Securities will adversely affect the Trustee's own rights, duties or immunities under the Debt Securities and this Indenture or otherwise in a manner which is not reasonably acceptable to the Trustee.

(e) If all the Debt Securities of any series are not to be issued at one time, it shall not be necessary to deliver an Opinion of Counsel at the time of issuance of each Debt Security, but such Opinion of Counsel, with appropriate modifications, may instead be delivered at or prior to the time of the first issuance of Debt Securities of such series.

(f) Each Registered Security shall be dated the date of its authentication. Each Bearer Security shall be dated as of the date specified as contemplated by Section 301.

(g) No Debt Security or coupon attached thereto shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose, unless there appears on such Debt Security a certificate of authentication substantially in the form provided for herein executed by the Trustee, and such certificate upon any Debt Security shall be conclusive evidence, and the only evidence, that such Debt Security has been duly authenticated and delivered hereunder. Except as permitted by Section 306, the Trustee shall not authenticate and deliver any Bearer Security unless all related coupons for interest then matured have been detached and cancelled. Notwithstanding the foregoing, if any Debt Security or portion thereof shall have been duly authenticated and delivered hereunder but never issued and sold by the Company, and the Company shall deliver such Debt Security to the Trustee for cancellation as provided in Section 309 together with a written statement (which need not comply with Section 102 and need not be accompanied by an Opinion of Counsel) stating that such Debt Security or portion thereof has never been issued and sold by the Company, for all purposes of this Indenture such Debt Security shall be deemed never to have been authenticated and delivered hereunder and shall never be entitled to the benefits of this Indenture.

(h) Each Depository designated pursuant to Section 301 for a Global Security in registered form must, at the time of its designation and at all times while it serves as Depository, be a clearing agency registered under the Exchange Act and any other applicable statute or regulation.

Section 3.04 *Temporary Debt Securities.*

(a) Pending the preparation of definitive Debt Securities of any series, the Company may execute, and upon receipt of documents required by Sections 301 and 303, together with a Company Order, the Trustee shall authenticate and deliver, temporary Debt Securities which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any denomination, substantially of the tenor and terms of the definitive Debt Securities in lieu of which they are issued in registered form or, if authorized, in bearer form with one or more coupons or without coupons, and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Debt Securities may determine, as evidenced by their signatures on such Debt Securities. In the case of Debt Securities of any series issuable as Bearer Securities, such temporary Debt Securities may be in global form, representing all or any part of the Outstanding Debt Securities of such series.

(b) Unless otherwise provided pursuant to Section 301:

(i) Except in the case of temporary Debt Securities in global form, if temporary Debt Securities of any series are issued, the Company will cause definitive Debt Securities of such series to be prepared without unreasonable delay. After the preparation of definitive Debt Securities of such series, the related temporary Debt Securities shall be exchangeable for such definitive Debt Securities upon surrender of the temporary Debt Securities of such series at the office or agency of the Company in the Place of Payment for such series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Debt Securities of any series (accompanied, if applicable, by all unmatured coupons and all matured coupons in default appertaining thereto), the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a like principal amount of definitive Debt Securities of the same series of like tenor and terms and of authorized denominations; *provided, however*, that no Bearer Security shall be delivered in exchange for a Registered Security; and *provided, further*, that a Bearer Security shall be delivered in exchange for a Bearer Security only in compliance with the conditions set forth in Section 305.

(ii) If Debt Securities of any series are issued in temporary global form, any such temporary Global Security shall, unless otherwise provided pursuant to Section 301, be delivered to the Depository for the benefit of Euroclear and Clearstream, for credit to the respective accounts of the beneficial owners of such Debt Securities (or to such other accounts as they may direct).

(iii) Without unnecessary delay but in any event not later than the date specified in, or determined pursuant to the terms of, any such temporary Global Security (the "Global Exchange Date"), the Company shall deliver definitive Debt Securities to the Trustee or the agent appointed by the Company pursuant to Section 301 to effect the exchange of the temporary Global Security for definitive Debt Securities (the "Global Exchange Agent"), in an aggregate principal amount equal to the principal amount of such temporary Global Security, executed by the Company. On or after the Global Exchange Date, such temporary Global Security shall be surrendered by the Depository to the Global Exchange Agent, to be exchanged, in whole or from time to time in part, for definitive Debt Securities without charge and the Trustee or the Global Exchange Agent, if authorized by the Trustee pursuant to Section 614, shall authenticate and deliver, in

exchange for each portion of such temporary Global Security, an equal aggregate principal amount of definitive Debt Securities of the same series of authorized denominations and of like tenor and terms as the portion of such temporary Global Security to be exchanged. Upon any exchange of a part of such temporary Global Security for definitive Debt Securities, the portion of the principal amount and any interest thereon so exchanged shall be endorsed by the Global Exchange Agent on a schedule to such temporary Global Security, whereupon the principal amount and interest payable with respect to such temporary Global Security shall be reduced for all purposes by the amount so exchanged and endorsed. The definitive Debt Securities to be delivered in exchange for any such temporary Global Security shall be in bearer form, registered form, global registered form or global bearer form, or any combination thereof, as specified as contemplated by Section 301, and, if any combination thereof is so specified, as requested by the beneficial owner thereof; *provided, however*, that, in the case of the exchange of the temporary Global Security for definitive Bearer Securities (including a definitive Global Bearer Security), upon such presentation by the Depository, such temporary Global Security shall be accompanied by a certificate signed by Euroclear as to the portion of such temporary Global Security held for its account then to be exchanged and a certificate signed by Clearstream as to the portion of such temporary Global Security held for its account then to be exchanged, each in the form set forth in Exhibit B to this Indenture, unless such certificate(s) shall have been provided earlier pursuant to section 304(b)(v) hereof; and *provided, further*, that definitive Bearer Securities (including a definitive Global Bearer Security) shall be delivered in exchange for a portion of a temporary Global Security only in compliance with the requirements of Section 303.

(iv) The interest of a beneficial owner of Debt Securities of a series in a temporary Global Security shall be exchanged for definitive Debt Securities of the same series and of like tenor and terms following the Global Exchange Date when the account holder instructs Euroclear or Clearstream, as the case may be, to request such exchange on such account holder's behalf and, in the case of the exchange of the temporary Global Security for definitive Bearer Securities (including a definitive Global Bearer Security), unless such certificate(s) shall have been provided earlier pursuant to Section 304(b)(v) hereof, the account holder delivers to Euroclear or Clearstream, as the case may be, a certificate in the form set forth in Exhibit A-1 and, if applicable, A-2 to this Indenture, dated no earlier than 15 days prior to the Global Exchange Date, copies of which certificate shall be available from the offices of Euroclear and Clearstream, the Global Exchange Agent, any authenticating agent appointed for such series of Debt Securities and each Paying Agent. Unless otherwise specified in such temporary Global Security, any such exchange shall be made free of charge to the beneficial owners of such temporary Global Security, except that a Person receiving definitive Debt Securities must bear the cost of insurance, postage, transportation and the like in the event that such Person does not take delivery of such definitive Debt Securities in person at the offices of Euroclear and Clearstream. Definitive Debt Securities in bearer form to be delivered in exchange for any portion of a temporary Global Security shall be delivered only outside the United States.

(v) Until exchanged in full as hereinabove provided, the temporary Debt Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Debt Securities of the same series and of like tenor and terms authenticated and delivered hereunder, except that interest payable on a temporary Global Security on an Interest Payment Date shall be payable to Euroclear and Clearstream on such Interest Payment Date only if there has been delivered by Euroclear and Clearstream to the Global Exchange Agent a certificate or certificates in the form set forth in Exhibit B to this Indenture dated no earlier than the first Interest Payment Date, for credit without further interest on or after such Interest Payment Date to the respective accounts of the Persons who are the beneficial owners of such temporary Global Security on such Interest Payment Date and who have each delivered to Euroclear or Clearstream, as the case may be, a certificate in the form set forth in Exhibit A-1 and, if applicable, A-2 to this Indenture dated no earlier than the first Interest Payment Date. Any interest so received by Euroclear and Clearstream and not paid as herein provided prior to the Global Exchange Date shall be returned to the Global Exchange Agent which, upon expiration of two years after such Interest Payment Date, shall repay such interest to the Company in accordance with Section 1003.

Section 3.05 *Registration; Registration of Transfer and Exchange.*

The Company shall cause to be kept at one of the offices or agencies to be maintained by the Company in accordance with the provisions of this Section 305 and Section 1002, with respect to the Debt Securities of each series which are Registered Securities, a register (herein sometimes referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Registered Securities and of transfers of Registered Securities. Pursuant to Section 301, the Company shall appoint, with respect to Debt Securities of each series which are Registered Securities, a "Security Registrar" for the purpose of registering such Debt Securities and transfers and exchanges of such Debt Securities as herein provided.

Upon surrender for registration of transfer of any Registered Security of any series at the office or agency of the Company maintained for such purpose, the Company shall execute, and the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Registered Securities of the same series of any authorized denomination or denominations, of like tenor and terms and aggregate principal amount.

At the option of the Holder, Registered Securities of any series may be exchanged for other Registered Securities of the same series of any authorized form and denomination, of like tenor and terms and aggregate principal amount, upon surrender of the Registered Securities to be exchanged at such office or agency. Bearer Securities may not be delivered in exchange for Registered Securities.

At the option of the Holder, Registered Securities or Bearer Securities of any series may be issued in exchange for Bearer Securities (except as otherwise specified as contemplated by Section 301 with respect to a Bearer Security in global form) of the same series, of any authorized denominations and of like tenor and terms and aggregate principal amount, upon surrender of the Bearer Securities to be exchanged at any such office or agency, with all

unmatured coupons and all matured coupons in default thereto appertaining. If the Holder of a Bearer Security is unable to produce any such unmatured coupon or coupons or matured coupon or coupons in default, such exchange may be effected if the Bearer Securities are accompanied by payment in funds acceptable to the Company and the Trustee in an amount equal to the face amount of such missing coupon or coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Security shall surrender to any Paying Agent any such missing coupon in respect of which such a payment shall have been made, such Holder shall be entitled to receive the amount of such payment; *provided, however*, that, except as otherwise provided in Section 1002, interest represented by coupons shall be payable only upon presentation and surrender of those coupons at an office or agency located outside the United States. Notwithstanding the foregoing, in case a Bearer Security of any series is surrendered at any such office or agency in exchange for a Registered Security of the same series and like tenor and terms after the close of business at such office or agency on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and before the opening of business at such office or agency on the related date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment Date or proposed date of payment, as the case may be.

Whenever any Debt Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Debt Securities which the Holder making the exchange is entitled to receive.

If at any time the Depositary for the Debt Securities of a series notifies the Company that it is unwilling or unable to continue as Depositary for the Debt Securities of such series or if at any time the Depositary for the Debt Securities of such series shall no longer be eligible under Section 303(h), the Company shall appoint a successor Depositary with respect to the Debt Securities of such series. If a successor Depositary for the Debt Securities of such series is not appointed by the Company within 90 days after the Company receives such notice or becomes aware of such ineligibility, the Company's election pursuant to Section 301(9) shall no longer be effective with respect to the Debt Securities of such series and the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive Debt Securities of such series, will authenticate and deliver, Debt Securities of such series in definitive form in an aggregate principal amount equal to the principal amount of the Global Security or Securities representing such series in exchange for such Global Security or Securities.

The Company may at any time and in its sole discretion determine that the Debt Securities of any series issued in the form of one or more Global Securities shall no longer be represented by such Global Security or Securities. In such event the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive Debt Securities of such series, will authenticate and deliver, Debt Securities of such series in definitive form and in an aggregate principal amount equal to the principal amount of the Global Security or Securities representing such series in exchange for such Global Security or Securities.

If specified by the Company pursuant to Section 301 with respect to a series of Debt Securities, the Depositary for such series of Debt Securities may surrender a Global Security for such series of Debt Securities in exchange in whole or in part for Debt Securities of such series of like tenor and terms and in definitive form on such terms as are acceptable to the Company and such Depositary. Thereupon, the Company shall execute, and the Trustee shall authenticate and deliver, without charge to any Holder, (a) to each Person specified by such Depositary a new Debt Security or Securities of the same series, of like tenor and terms and of any authorized denominations as requested by such person in aggregate principal amount equal to and in exchange for such Person's beneficial interest in the Global Security; and (b) to such Depositary a new Global Security of like tenor and terms and in a denomination equal to the difference, if any, between the principal amount of the surrendered Global Security and the aggregate principal amount of Debt Securities delivered to Holders thereof.

In any exchange provided for in any of the preceding three paragraphs, the Company will execute and the Trustee will authenticate and deliver Debt Securities (a) in definitive registered form in authorized denominations, if the Debt Securities of such series are issuable as Registered Securities, (b) in definitive bearer form in authorized denominations, with coupons attached, if the Debt Securities of such series are issuable as Bearer Securities or (c) as either Registered or Bearer Securities, as shall be specified by the beneficial owner thereof, if the Debt Securities of such series are issuable in either form; *provided, however*, that no definitive Bearer Security shall be delivered in exchange for a temporary Global Security unless the Company or its agent shall have received from the person entitled to receive the definitive Bearer Security a certificate substantially in the form set forth in Exhibit A-1 and, if applicable, A-2 hereto; and *provided further* that delivery of a Bearer Security shall occur only outside the United States; and *provided further* that no definitive Bearer Security will be issued if the Company has reason to know that any such certificate is false.

Upon the exchange of a Global Security for Debt Securities in definitive form, such Global Security shall be cancelled by the Trustee. Registered Securities issued in exchange for a Global Security pursuant to this Section shall be registered in such names and in such authorized denominations as the Depositary for such Global Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Registered Securities to the persons in whose names such Debt Securities are so registered. The Trustee shall deliver Bearer Securities issued in exchange for a Global Security pursuant to this Section to the persons, and in such authorized denominations, as the Depositary for such Global Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee; *provided, however*, that no definitive Bearer Security shall be delivered in exchange for a temporary Global Security unless the Company or its agent shall have received from the person entitled to receive the definitive Bearer Security a certificate substantially in the form set forth in Exhibit A-1 and, if applicable, A-2 hereto; and *provided further* that delivery of a Bearer Security shall occur only outside the United States; and *provided further* that no definitive Bearer Security will be issued if the Company has reason to know that any such certificate is false.

All Debt Securities issued upon any registration of transfer or exchange of Debt Securities shall be the valid obligations of the Company, evidencing the same debt, and entitled

to the same benefits under this Indenture, as the Debt Securities surrendered upon such registration of transfer or exchange.

Every Registered Security presented or surrendered for registration of transfer or for exchange shall (if so required by the Company, the Security Registrar or the Trustee) be duly endorsed, or be accompanied by a written instrument of transfer in form satisfactory to the Company, the Security Registrar and the Trustee duly executed, by the Holder thereof or such Holder's attorney duly authorized in writing.

No charge to any Holder shall be made for any registration of transfer or exchange of Debt Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any transfer, registration of transfer or exchange of Debt Securities, other than exchanges expressly provided in this Indenture to be made at the Company's own expense or without expense or without charge to the Holders.

The Company shall not be required (i) to issue, register the transfer of or exchange Debt Securities of any particular series to be redeemed for a period of fifteen days preceding the first publication of the relevant notice of redemption or, if Registered Securities are outstanding and there is no publication, the mailing of the relevant notice of redemption of Debt Securities of such series selected for redemption under Section 1103 and ending at the close of business on the day of such mailing, or (ii) to register the transfer of or exchange any Registered Security so selected for redemption in whole or in part, except the unredeemed portion of such Registered Security being redeemed in part, or (iii) to exchange any Bearer Security so selected for redemption except that such a Bearer Security may be exchanged for a Registered Security of like tenor and terms of that series, *provided* that such Registered Security shall be simultaneously surrendered for redemption.

Notwithstanding anything herein to the contrary, the exchange of Bearer Securities into Registered Securities shall be subject to applicable laws and regulations in effect at the time of exchange; neither the Company, the Trustee nor the Security Registrar shall exchange any Bearer Securities into Registered Securities if it has received an Opinion of Counsel that as a result of such exchanges the Company would suffer adverse consequences under the United States Federal income tax laws and regulations then in effect and the Company has delivered to the Trustee a Company Order directing the Trustee not to make such exchanges thereafter unless and until the Trustee receives a subsequent Company Order to the contrary. The Company shall deliver copies of such Company Orders to the Security Registrar.

Section 3.06 *Mutilated, Destroyed, Lost and Stolen Debt Securities.*

If (i) any mutilated Debt Security or a Bearer Security with a mutilated coupon appertaining to it is surrendered to a Paying Agent outside the United States designated by the Company, or, in the case of any Registered Security, to the Trustee, or (ii) the Company and the Trustee receive evidence to their satisfaction of the destruction, loss or theft of any Debt Security or coupon, and there is delivered to the Company and the Trustee such security or indemnity as may be required by them to save each of them harmless, then, in the absence of notice to the Company and the Trustee that such Debt Security or coupon has been acquired by a bona fide

purchaser, the Company shall execute and upon its written request the Trustee shall authenticate and deliver, in exchange for any such mutilated Debt Security or Bearer Security with a mutilated coupon appertaining to it or to which a destroyed, lost or stolen coupon appertains (with all related coupons not destroyed, lost or stolen) or in lieu of any such destroyed, lost or stolen Debt Security, a new Debt Security of like tenor and terms and principal amount, bearing a number not contemporaneously outstanding, with coupons corresponding to the coupons, if any, appertaining to such destroyed, lost or stolen Debt Security or to the Debt Security to which such destroyed, lost or stolen coupon appertains; *provided, however*, that any such new Bearer Security will be delivered only in compliance with the conditions set forth in Section 305.

In case any such mutilated, destroyed, lost or stolen Debt Security or coupon has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Debt Security, pay such Debt Security or coupon; *provided, however*, that payment of principal of (and premium, if any) and any interest on Bearer Securities shall, except as otherwise provided in Section 1002, be payable only at an office or agency located outside the United States; and *provided, further*, that, with respect to any such coupons, interest represented thereby (but not any additional amounts payable as provided in Section 1004), shall be payable only upon presentation and surrender of the coupons appertaining thereto.

Upon the issuance of any new Debt Security or coupons under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee and printing expenses) connected therewith.

Every new Debt Security of any series, with its coupons, if any, issued pursuant to this Section in lieu of any destroyed, lost or stolen Debt Security, or in exchange for a Bearer Security to which a destroyed, lost or stolen coupon appertains, shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Debt Security and its coupons, if any, or the destroyed, lost or stolen coupon shall be at any time enforceable by anyone, and any such new Debt Security and coupons, if any, shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Debt Securities of that series and their coupons, if any, duly issued hereunder.

The provisions of this Section are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Debt Securities or coupons.

Section 3.07 *Payment of Interest; Interest Rights Preserved.*

Interest on any Registered Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Registered Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest. In case a Bearer Security of any series is surrendered in exchange for a Registered Security of such series after the close of business (at an office or agency in a Place of Payment for such series) on any Regular Record Date and before the opening of business (at such office or agency) on the next succeeding Interest Payment Date, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment

Date and interest will not be payable on such Interest Payment Date in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture. At the option of the Company, payment of interest on any Registered Security may be made by check in the currency designated for such payment pursuant to the terms of such Registered Security mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or by wire transfer to an account in such currency designated by such Person in writing not later than ten days prior to the date of such payment.

Any interest on any Registered Security of any series which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called "Defaulted Interest") shall forthwith cease to be payable to the registered Holder on the relevant Regular Record Date by virtue of his having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in Clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Registered Security of such series and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holder of such Registered Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money and/or Eligible Instruments when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this Clause provided. Thereupon the Trustee shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the written notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date. Unless the Trustee is acting as the Security Registrar, promptly after such Special Record Date, the Company shall furnish the Trustee with a list, or shall make arrangements satisfactory to the Trustee with respect thereto, of the names and addresses of, and principal amounts of Registered Securities of such series held by, the Holders appearing on the Security Register at the close of business on such Special Record Date. In the name and at the expense of the Company, the Trustee shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to each Holder of Registered Securities of such series at his address as it appears in the Security Register, not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been mailed as aforesaid, such Defaulted Interest shall be

paid to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following Clause (2). In case a Bearer Security of any series is surrendered at the office or agency in a Place of Payment for such series in exchange for a Registered Security of such series after the close of business at such office or agency on any Special Record Date and before the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such proposed date of payment and Defaulted Interest will not be payable on such proposed date of payment in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture.

(2) The Company may make payment of any Defaulted Interest on the Registered Securities of any series in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Registered Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this Clause, such manner of payment shall be deemed practicable by the Trustee.

Subject to the foregoing provisions of this Section, each Debt Security delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Debt Security shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Debt Security.

Subject to the limitations set forth in Section 1002, the Holder of any coupon appertaining to a Bearer Security shall be entitled to receive the interest payable on such coupon upon presentation and surrender of such coupon on or after the Interest Payment Date of such coupon at an office or agency maintained for such purpose pursuant to Section 1002.

Section 3.08 *Persons Deemed Owners.*

Prior to due presentment of a Registered Security for registration of transfer, the Company, the Trustee and any agent of the Company or of the Trustee may treat the Person in whose name such Registered Security is registered as the owner of such Registered Security for the purpose of receiving payment of principal of (and premium, if any) and (subject to Section 307) interest on such Registered Security and for all other purposes whatsoever, whether or not such Registered Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

The Company, the Trustee and any agent of the Company or the Trustee may treat the bearer of any Bearer Security and the bearer of any coupon as the absolute owner of such Bearer Security or coupon for the purpose of receiving payment thereof or on account thereof and for all other purposes whatsoever, whether or not such Bearer Security or coupon be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests of a Global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Section 3.09 Cancellation.

Unless otherwise provided with respect to a series of Debt Securities, all Debt Securities and coupons surrendered for payment, redemption, repayment, transfer, exchange or credit against any sinking fund payment pursuant to this Indenture, shall, if surrendered to the Company or any agent of the Company, be delivered to the Trustee and shall be promptly cancelled by it. The Company may at any time deliver to the Trustee for cancellation any Debt Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and all Debt Securities so delivered shall be promptly cancelled by the Trustee. No Debt Securities shall be authenticated in lieu of or in exchange for any Debt Securities cancelled as provided in this Section, except as expressly permitted by this Indenture. All cancelled Debt Securities and coupons held by the Trustee shall be destroyed and certification of their destruction delivered to the Company unless by a Company Order the Company shall direct that the cancelled Debt Securities or coupons be returned to it.

Section 3.10 Computation of Interest.

Except as otherwise specified as contemplated by Section 301 for Debt Securities of any series, interest on the Debt Securities of each series shall be computed on the basis of a 360-day year of twelve 30-day months.

Section 3.11 *Certification by a Person Entitled to Delivery of a Bearer Security.*

Whenever any provision of this Indenture or a Debt Security contemplates that certification be given by a Person entitled to delivery of a Bearer Security, such certification shall be provided substantially in the form of Exhibit A-1 and, if applicable, A-2 hereto, with only such changes as shall be approved by the Company and consented to by the Trustee whose consent shall not unreasonably be withheld.

Section 3.12 *Judgments.*

The Company may provide, pursuant to Section 301, for the Debt Securities of any series that, to the fullest extent possible under applicable law and except as may otherwise be specified as contemplated in Section 301, (a) the obligation, if any, of the Company to pay the principal of (and premium, if any) and interest on the Debt Securities of any series and any related coupons in a Foreign Currency, composite currency or Dollars (the "Designated Currency") as may be specified pursuant to Section 301 is of the essence and that judgments in respect of such Debt Securities shall be given in the Designated Currency; (b) the obligation of the Company to make payments in the Designated Currency of the principal of (and premium, if any) and interest on such Debt Securities and any related coupons shall, notwithstanding any payment in any other currency (whether pursuant to a judgment or otherwise), be discharged only to the extent of the amount in the Designated Currency that the Holder receiving such payment may, in accordance with normal banking procedures, purchase with the sum paid in such other currency (after any

premium and cost of exchange) in the country of issue of the Designated Currency in the case of Foreign Currency or Dollars or in the international banking community in the case of a composite currency on the Business Day immediately following the day on which such Holder receives such payment; (c) if the amount in the Designated Currency that may be so purchased for any reason falls short of the amount originally due, the Company shall pay such additional amounts as may be necessary to compensate for such shortfall; and (d) any obligation of the Company not discharged by such payment shall be due as a separate and independent obligation and, until discharged as provided herein, shall continue in full force and effect.

ARTICLE FOUR **Satisfaction and Discharge**

Section 4.01 *Satisfaction and Discharge of Indenture.*

This Indenture shall upon Company Request cease to be of further effect (except as to any surviving rights of registration of transfer or exchange of Debt Securities herein expressly provided for and rights to receive payments of principal and interest thereon and any right to receive additional amounts, as provided in Section 1004) and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture when

(1) either

(A) all Debt Securities theretofore authenticated and delivered and all coupons appertaining thereto (other than (i) coupons appertaining to Bearer Securities surrendered in exchange for Registered Securities and maturing after such exchange, surrender of which is not required or has been waived as provided in Section 305, (ii) Debt Securities and coupons which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 306, (iii) coupons appertaining to Bearer Securities called for redemption or surrendered for repayment and maturing after the relevant Redemption Date or Repayment Date, as appropriate, surrender of which has been waived as provided in Section 1106 or 1303 and (iv) Debt Securities and coupons for whose payment money and/or Eligible Instruments have theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee cancelled or for cancellation; or

(B) all such Debt Securities not theretofore delivered to the Trustee for cancellation

(i) have become due and payable, or

(ii) will become due and payable at their Stated Maturity within one year, or

(iii) are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of

redemption by the Trustee in the name, and at the expense, of the Company, and the Company, in the case of (B)(i), (B)(ii) or (B)(iii) above, has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust for the purpose money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay and discharge the entire indebtedness on such Debt Securities and coupons of such series for principal (and premium, if any) and interest, and any mandatory sinking fund, repayment or analogous payments thereon, on the scheduled due dates therefor to the date of such deposit (in the case of Debt Securities and coupons which have become due and payable) or to the Stated Maturity or Redemption Date, if any, and all Repayment Dates (in the case of Debt Securities repayable at the option of the Holders thereof); *provided, however*, that in the event a petition for relief under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law is filed with respect to the Company within 91 days after the deposit, the obligations of the Company under the Indenture with respect to the Debt Securities of such series shall not be deemed terminated or discharged, and in such event the Trustee shall be required to return the deposited money and Eligible Instruments then held by the Trustee to the Company;

(2) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 607 and, if money or Eligible Instruments shall have been deposited with the Trustee pursuant to Subclause (B) of Clause (1) of this Section, the obligations of the Trustee under Section 402 and the last paragraph of Section 1003 shall survive such satisfaction and discharge.

Section 4.02 *Application of Trust Money and Eligible Instruments.*

(a) Subject to the provisions of the last paragraph of Section 1003, all money and Eligible Instruments deposited with the Trustee pursuant to Section 401, 403 or 1501 shall be held in trust and such money and the principal and interest received on such Eligible Instruments shall be applied by it, in accordance with the provisions of the Debt Securities, any coupons and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the

Persons entitled thereto, of the principal (and premium, if any) and interest for whose payment such money or Eligible Instruments have been deposited with the Trustee.

(b) The Trustee shall deliver or pay to the Company from time to time upon Company Request any Eligible Instruments or money held by it as provided in Section 403 or 1501 which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, are then in excess of the amount thereof which then would have been required to be deposited for the purpose for which such Eligible Instruments or money were deposited or received.

(c) The Trustee shall deliver to the Company from time to time upon Company Request any Eligible Instruments held by it as provided in Section 403 or 1501, provided that the Company in substitution therefor simultaneously delivers to the Trustee, money or other Eligible Instruments which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, would then be sufficient to satisfy the Company's payment obligations in respect of the Debt Securities in the manner contemplated by Section 403 or 1501.

Section 4.03 *Satisfaction, Discharge and Defeasance of Debt Securities of any Series.*

If this Section 403 is specified, as contemplated by Section 301, to be applicable to Debt Securities of any series, then, notwithstanding Section 401, (i) the Company shall be deemed to have paid and discharged the entire indebtedness on all the Outstanding Debt Securities of any such series and related coupons; (ii) the provisions of this Indenture as it relates to such Outstanding Debt Securities and related coupons shall no longer be in effect (except as to the rights of Holders of Debt Securities to receive, from the trust fund described in subparagraph (1) below, payment of (x) the principal of (and premium, if any) and any installment of principal of (and premium, if any) or interest on such Debt Securities and related coupons on the Stated Maturity of such principal (and premium, if any) or installment of principal (and premium, if any) or interest or (y) any mandatory sinking fund, repayment or analogous payments applicable to the Debt Securities of that series on that day on which such payments are due and payable in accordance with the terms of this Indenture and of such Debt Securities, the Company's obligations with respect to such Debt Securities under Sections 304, 305, 306, 1002, 1003 and 1004 and the rights, powers, trusts, duties and immunities of the Trustee hereunder, including those under Section 607 hereof); and (iii) the Trustee, at the expense of the Company, shall, upon Company Order, execute proper instruments acknowledging satisfaction and discharge of such indebtedness, when

(1) either

(A) with respect to all Outstanding Debt Securities of such series and related coupons, with reference to this Section 403, the Company has deposited or caused to be deposited with the Trustee (or another trustee satisfying the requirements of Section 609 who shall agree to comply with the provisions of this Section 403 applicable to it) irrevocably, as trust funds in trust, money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due

(and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of such Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay and discharge (i) the principal of (and premium, if any) and interest on the Outstanding Debt Securities of that series and related coupons on the Stated Maturity of such principal or interest or, if such series may be redeemed by the Company prior to the Stated Maturity thereof, and the Company shall have given irrevocable instructions to the Trustee to effect such redemption, at the date fixed for such redemption pursuant to Article Eleven, and (ii) any mandatory sinking fund payments or analogous payments applicable to Debt Securities of such series on the date on which such payments are due and payable in accordance with the terms of this Indenture and of such Debt Securities; or

(B) the Company has properly fulfilled such other means of satisfaction and discharge as is specified, as contemplated by Section 301, to be applicable to the Debt Securities of such series;

(2) the Company has paid or caused to be paid all sums payable with respect to the Outstanding Debt Securities of such series and related coupons;

(3) such deposit will not result in a breach of, or constitute a default under, this Indenture or any other agreement or instrument to which the Company is a party or by which it is bound;

(4) no Event of Default or event which, with the giving of notice or lapse of time, or both, would become an Event of Default pursuant to Section 501(1), (2), (3), (5) or (6) with respect to the Debt Securities of such series shall have occurred and be continuing on the date of such deposit and no Event of Default under Section 501(5) or Section 501(6) or event which, with the giving of notice or lapse of time, or both, would become an Event of Default under Section 501(5) or Section 501(6) shall have occurred and be continuing on the 91st day after such date; *provided, however*, that should that condition fail to be satisfied on or before such 9th day, the Trustee shall promptly, upon satisfactory receipt of evidence of such failure, return such deposit to the Company;

(5) the Company has delivered to the Trustee an Opinion of Counsel to the effect that (a) the Company has received from, or there has been published by, the Internal Revenue Service a ruling, or (b) since the date of this Indenture there has been a change in applicable Federal income tax law, in either case to the effect that, and based thereon such Opinion of Counsel shall confirm that, the Holders of Debt Securities and related coupons of such series will not recognize income, gain or loss for Federal income tax purposes as a result of such deposit, defeasance and discharge and will be subject to Federal income tax on the same amount and in the same manner and at the same times as would have been the case if such deposit, defeasance and discharge had not occurred;

(6) if the Debt Securities of that series are then listed on any domestic or foreign securities exchange, the Company shall have delivered to the Trustee an Opinion

of Counsel to the effect that such deposit, defeasance and discharge will not cause such Debt Securities to be delisted;

(7) such deposit shall have been effected in compliance with any additional terms, conditions or limitations which may be imposed on the Company in connection therewith pursuant to Section 301; and

(8) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of the entire indebtedness of all Outstanding Debt Securities and related coupons have been complied with.

Any deposits with the Trustee referred to in Section 403(1)(A) above shall be irrevocable and shall be made under the terms of an escrow or trust agreement in form and substance satisfactory to the Trustee. If any Outstanding Debt Securities of such series are to be redeemed prior to their Stated Maturity, whether pursuant to any optional redemption provisions or in accordance with any mandatory sinking fund requirement, the applicable escrow or trust agreement shall provide therefor and the Company shall make such arrangements as are satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company.

Upon the satisfaction of the conditions set forth in this Section 403 with respect to all the Outstanding Debt Securities of any series, the terms and conditions of such series, including the terms and conditions with respect thereto set forth in this Indenture, shall no longer be binding upon, or applicable to, the Company; *provided* that the Company shall not be discharged from any payment obligations in respect of Debt Securities of such series which are deemed not to be Outstanding under clause (iii) of the definition thereof if such obligations continue to be valid obligations of the Company under applicable law.

Notwithstanding the cessation, termination and discharge of all obligations, covenants and agreements (except as provided above in this Section 403) of the Company under this Indenture with respect to any series of Debt Securities, the obligations of the Company to the Trustee under Section 607, and the obligations of the Trustee under Section 402 and the last paragraph of Section 1003, shall survive with respect to such series of Debt Securities.

ARTICLE FIVE

Remedies

Section 5.01 *Events of Default.*

"Event of Default", wherever used herein with respect to Debt Securities of any series, means any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law, pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

- (1) default in the payment of any interest upon any Debt Security of such series or a related coupon, if any, when it becomes due and payable, and continuance of such default for a period of 30 days; or
- (2) default in the payment of the principal of (or premium, if any, on) any Debt Security of such series at its Maturity; or
- (3) default in the deposit of any sinking fund payment, when and as due by the terms of a Debt Security of such series; or
- (4) default in the performance, or breach, of any covenant or warranty of the Company in this Indenture (other than a covenant or warranty a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has expressly been included in this Indenture solely for the benefit of Debt Securities of a series other than such series), and continuance of such default or breach for a period of 90 days after there has been given by registered or certified mail, to the Company by the Trustee, or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Debt Securities of such series, a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a "Notice of Default" hereunder; or
- (5) the entry by a court having jurisdiction in the premises of (A) a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or (B) a decree or order adjudging the Company a bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company under any applicable Federal or State law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 60 consecutive days; or
- (6) the commencement by the Company of a voluntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or of any other case or proceeding to be adjudicated a bankrupt or insolvent, or the consent by it to the entry of a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable Federal or State law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or similar official of the Company or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by the Company in furtherance of any such action; or

- (7) any other Event of Default, if any, provided with respect to Debt Securities of such series specified as contemplated by Section 301.

Section 5.02 *Acceleration of Maturity; Rescission and Annulment.*

If an Event of Default with respect to Debt Securities of any series at the time Outstanding occurs and is continuing, then and in every such case the Trustee or the Holders of not less than 25% in principal amount of Outstanding Debt Securities of such series may declare the principal amount (or, if the Debt Securities of such series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of such series) of and all accrued but unpaid interest on all the Debt Securities of such series to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by such Holders), and upon any such declaration such principal amount (or specified amount) shall become immediately due and payable. Upon payment of such amount, all obligations of the Company in respect of the payment of principal of the Debt Securities of such series shall terminate.

At any time after such a declaration of acceleration with respect to Debt Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter in this Article provided, the Holders of a majority in principal amount of the Outstanding Debt Securities of such series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if

- (1) the Company has paid or deposited with the Trustee a sum sufficient to pay
- (A) all overdue installments of interest on all Debt Securities of such series and any related coupons,
 - (B) the principal of (and premium, if any, on) any Debt Securities of such series which have become due otherwise than by such declaration of acceleration and interest thereon at the rate or rates prescribed therefor in such Debt Securities,
 - (C) to the extent that payment of such interest is lawful, interest upon overdue installments of interest on each Debt Security and any related coupons at the rate or rates prescribed therefor in such Debt Securities, and
 - (D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel;

and

- (2) all Events of Default with respect to Debt Securities of such series, other than the non-payment of the principal of Debt Securities of such series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

Section 5.03 *Collection of Indebtedness and Suits for Enforcement by Trustee.*

The Company covenants that if:

(1) default is made in the payment of any installment of interest on any Debt Security or any related coupon when such interest becomes due and payable and such default continues for a period of 30 days, or

(2) default is made in the payment of the principal of (or premium, if any, on) any Debt Security at the Maturity thereof, the Company will, upon demand of the Trustee, pay to it, for the benefit of the Holders of such Debt Securities and any related coupons, the amount then due and payable on such Debt Securities and coupons for principal (and premium, if any) and interest and, to the extent that payment of such interest shall be legally enforceable, interest upon the overdue principal (and premium, if any) and, upon overdue installments of interest, at the rate or rates prescribed therefor in such Debt Securities, and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel.

If the Company fails to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, may institute a judicial proceeding for the collection of the sums so due and unpaid, and may prosecute such proceeding to judgment or final decree, and may enforce the same against the Company or any other obligor upon such Debt Securities and coupons and collect the moneys adjudged or decreed to be payable in the manner provided by law out of the property of the Company or any other obligor upon such Debt Securities and coupons, wherever situated.

If an Event of Default with respect to Debt Securities of any series occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders of Debt Securities of such series and any related coupons by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

Section 5.04 *Trustee May File Proofs of Claim.*

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceedings, or any voluntary or involuntary case under the Federal bankruptcy laws as now or hereafter constituted, relative to the Company or any other obligor upon the Debt Securities of a particular series or any related coupons or the property of the Company or of such other obligor or their creditors, the Trustee (irrespective of whether the principal of such Debt Securities shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of overdue principal or interest) shall be entitled and empowered, by intervention in such proceedings or otherwise,

(1) to file and prove a claim for the whole amount of principal (and premium, if any) and interest owing and unpaid in respect of the Debt Securities of such series and any related coupons and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel) and of the Holders allowed in such judicial proceeding, and

(2) to collect and receive any moneys or other property payable or deliverable on any such claims and to distribute the same; and any receiver, assignee, trustee, custodian, liquidator, sequestrator or other similar official in any such proceeding is hereby authorized by each Holder to make such payments to the Trustee, and in the event that the Trustee shall consent to the making of such payments directly to the Holders, to pay to the Trustee any amount due it for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, and any other amounts due the Trustee under Section 607.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder any plan of reorganization, arrangement, adjustment or composition affecting the Debt Securities or any coupons or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder in any such proceeding.

Section 5.05 *Trustee May Enforce Claims without Possession of Debt Securities or Coupons.*

All rights of action and claims under this Indenture or the Debt Securities or coupons may be prosecuted and enforced by the Trustee without the possession of any of the Debt Securities or coupons or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name, as trustee of an express trust, and any recovery of judgment shall, after provision for the payment of the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, be for the ratable benefit of the Holders of the Debt Securities and coupons in respect of which such judgment has been recovered.

Section 5.06 *Application of Money Collected.*

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such money on account of principal (and premium, if any) or interest, upon presentation of the Debt Securities or any coupons, or both, as the case may be, and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

FIRST: To the payment of all amounts due the Trustee under Section 607; SECOND: To the payment of the amounts then due and unpaid for principal of (and premium, if any) and interest on the Debt Securities and any coupons, in respect of which or for the benefit of which such money has been collected ratably, without preference or priority of any kind, according to the amounts due and payable on such Debt Securities

and any coupons for principal (and premium, if any) and interest, respectively. The Holders of each series of Debt Securities denominated in Euro, any other composite currency or a Foreign Currency and any matured coupons relating thereto shall be entitled to receive a ratable portion of the amount determined by the Exchange Rate Agent by converting the principal amount Outstanding of such series of Debt Securities and matured but unpaid interest on such series of Debt Securities in the currency in which such series of Debt Securities is denominated into Dollars at the Exchange Rate as of the date of declaration of acceleration of the Maturity of the Debt Securities; and

THIRD: The balance, if any, to the Company.

Section 5.07 *Limitation on Suits.*

No Holder of any Debt Securities of any series or any related coupons shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless

- (1) such Holder has previously given written notice to the Trustee of a continuing Event of Default with respect to the Debt Securities of such series;
- (2) the Holders of not less than 25% in principal amount of the Outstanding Debt Securities of such series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;
- (3) such Holder or Holders have offered to the Trustee reasonable indemnity satisfactory to it against the costs, expenses and liabilities to be incurred in compliance with such request;
- (4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and
- (5) no direction inconsistent with such written request has been given to the Trustee during such 60-day period by the Holders of a majority in principal amount of the Outstanding Debt Securities of such series; it being understood and intended that no one or more of such Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other such Holders, or to obtain or to seek to obtain priority or preference over any other of such Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all of such Holders.

Section 5.08 *Unconditional Right of Holders to Receive Principal, Premium and Interest.*

Notwithstanding any other provision in this Indenture, the Holder of any Debt Security or coupon shall have the right which is absolute and unconditional to receive payment of the principal of (and premium, if any) and (subject to Section 307) interest on such Debt Security or payment of such coupon on the respective Stated Maturity or Maturities expressed in such Debt Security or coupon (or, in the case of redemption or repayment, on the Redemption Date or the

Repayment Date, as the case may be) and to institute suit for the enforcement of any such payment, and such right shall not be impaired without the consent of such Holder.

Section 5.09 *Restoration of Rights and Remedies.*

If the Trustee or any Holder has instituted any proceedings to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case the Company, the Trustee and the Holders shall, subject to any determination in such proceeding, be restored severally and respectively to their former positions hereunder, and thereafter all rights and remedies of the Trustee and the Holders shall continue as though no such proceeding had been instituted.

Section 5.10 *Rights and Remedies Cumulative.*

Except as otherwise provided in Section 306, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

Section 5.11 *Delay or Omission Not Waiver.*

No delay or omission of the Trustee or of any Holder of any Debt Security or coupon to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders, as the case may be.

Section 5.12 *Control by Holders of Debt Securities.*

The Holders of a majority in principal amount of the Outstanding Debt Securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or exercising any trust or power conferred on the Trustee with respect to the Debt Securities of such series, *provided*, that

- (1) such direction shall not be in conflict with any rule of law or with this Indenture;
- (2) subject to the provisions of Section 601, the Trustee shall have the right to decline to follow any such direction if the Trustee in good faith shall, by a Responsible Officer or Responsible Officers of the Trustee, determine that the proceedings so directed would be unjustly prejudicial to the Holders of Debt Securities of such series not joining in any such direction; and

- (3) the Trustee may take any other action deemed necessary by the Trustee which is not inconsistent with such direction.

Section 5.13 *Waiver of Past Defaults.*

The Holders of not less than a majority in principal amount of the Outstanding Debt Securities of any series may on behalf of the Holders of all the Debt Securities of any such series and any related coupons waive any past default hereunder with respect to such series and its consequences, except a default

- (1) in the payment of the principal of (or premium, if any) or interest on any Debt Security of such series, or
- (2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Debt Security of such series or coupons affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

Section 5.14 *Undertaking for Costs.*

All parties to this Indenture agree, and each Holder of any Debt Security or coupon by his acceptance thereof shall be deemed to have agreed, that any court may in its discretion require, in any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken, suffered or omitted by it as Trustee, the filing by any party litigant in such suit of an undertaking to pay the costs of such suit, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees and expenses, against any party litigant in such suit, having a due regard to the merits and good faith of the claims or defenses made by such party litigant, but the provisions of this Section shall not apply to any suit instituted by the Company or the Trustee, to any suit instituted by any Holder, or group of Holders, holding in the aggregate more than 10% in principal amount of the Outstanding Debt Securities of any series, or to any suit instituted by any Holder for the enforcement of the payment of the principal of (or premium, if any) or interest on any Debt Security or the payment of any coupons on or after the respective Stated Maturity or Maturities expressed in such Debt Security or coupon (or, in the case of redemption or repayment, on or after the Redemption Date or Repayment Date, as the case may be).

Section 5.15 *Waiver of Stay or Extension Laws.*

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay or extension law whenever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefits or advantage of any such law, and covenants that it will not hinder, delay or impede the execution of any power herein granted to

the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

ARTICLE SIX
The Trustee

Section 6.01 *Certain Duties and Responsibilities.*

(a) Except during the continuance of an Event of Default,

(i) the Trustee undertakes to perform such duties and only such duties as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and

(ii) in the absence of bad faith on its part, the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture; but in the case of any such certificates or opinions which by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirements of this Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts stated therein).

(b) In case an Event of Default has occurred and is continuing, the Trustee shall exercise such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of his or her own affairs.

(c) No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act, or its own willful misconduct, except that

(i) this subsection shall not be construed to limit the effect of subsection (a) of this Section 601;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts;

(iii) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the Holders of a majority in principal amount of the Outstanding Debt Securities of any series, determined as provided in Sections 101, 104 and 512, relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any trust or power conferred upon the Trustee, under this Indenture with respect to the Debt Securities of such series; and

(iv) no provision of this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers.

(d) Whether or not therein expressly so provided, every provision of this Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee shall be subject to the provisions of this Section.

Section 6.02 *Notice of Default.*

If a default occurs hereunder with respect to Debt Securities of any series the Trustee shall transmit by mail to all Holders of Debt Securities of such series notice of such default as and to the extent provided by the Trust Indenture Act; *provided, however*, that in the case of any default of the character specified in Section 501(4) with respect to Debt Securities of such series no such notice to Holders shall be given until at least 30 days after the occurrence thereof; and *provided further*, that, except in the case of a default in the payment of principal of (or premium, if any) or interest on any Debt Security of such series or related coupons or in the payment of any sinking fund installment with respect to Debt Securities of such series, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or a Responsible Officer of the Trustee in good faith determines that the withholding of such notice is in the interest of the Holders of the Debt Securities of such series. For the purpose of this Section, the term “default” means any event which is, or after notice or lapse of time or both would become, an Event of Default with respect to Debt Securities of such series.

Section 6.03 *Certain Rights of Trustee.*

Except as otherwise provided in Section 601:

(a) the Trustee may conclusively rely and shall be fully protected in acting or refraining from acting upon any signature, resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, coupon or other paper or document (whether in its original or facsimile form) believed by it to be genuine and to have been signed or presented by the proper party or parties;

(b) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order and any resolution of the Board of Directors shall be sufficiently evidenced by a Board Resolution;

(c) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon an Officers' Certificate;

(d) the Trustee may consult with counsel and the advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon;

(e) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders of Debt Securities of such series or any related coupons pursuant to this Indenture, unless such Holders shall have offered to the Trustee security or indemnity satisfactory to it against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;

(f) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, coupon, other evidence of indebtedness or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney, other than any such books or records containing information as to the affairs of the customers of the Company or any of its subsidiaries; *provided* that the Trustee may examine such books and records relating to customers to the extent that such books and records contain information as to any payments made to such customers in their capacity as Holders of Debt Securities; and *provided further* that the Trustee shall incur no liability or additional liability of any kind by reason of such inquiry or investigation; and

(g) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder; no Exchange Rate Agent, Global Exchange Agent, Depositary or Paying Agent shall be deemed an agent of the Trustee and the Trustee shall not be responsible for any act or omission by any of them.

Section 6.04 *Not Responsible for Recitals or Issuance of Debt Securities.*

The recitals contained herein and in the Debt Securities, except the Trustee's certificates of authentication, and in any coupons, and the information in any registration statement, including all attachments thereto, except information provided by the Trustee therein, shall be taken as the statements of the Company, and the Trustee assumes no responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Debt Securities of any series or any coupons. The Trustee shall not be accountable for the use or application by the Company of any Debt Securities or the proceeds thereof. The Trustee shall not be responsible for and makes no representations as to the Company's ability or authority to issue Bearer Securities or the lawfulness thereof.

Section 6.05 *May Hold Debt Securities or Coupons.*

The Trustee, any Paying Agent, the Security Registrar or any other agent of the Company or the Trustee, in its individual or any other capacity, may become the owner or pledgee of Debt Securities and coupons, and, subject to Sections 608 and 613, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Paying Agent, Security Registrar or such agent.

Section 6.06 *Money Held in Trust.*

Money held by the Trustee or any Paying Agent in trust hereunder need not be segregated from other funds except to the extent required by law. Neither the Trustee nor any Paying Agent shall be under any liability for interest on any money received by it hereunder except as otherwise agreed with the Company.

Section 6.07 *Compensation and Reimbursement.*

The Company agrees

(1) to pay to the Trustee from time to time such compensation for all services rendered by it hereunder which shall have been separately agreed to from time to time in writing by the Company and the Trustee (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as may be attributable to its negligence or willful misconduct; and

(3) to fully indemnify the Trustee for, and to hold it harmless against, any and all claims, losses, liabilities, damages or expenses (including taxes other than taxes based upon the income of the Trustee) incurred without negligence or willful misconduct on its part, arising out of or in connection with the acceptance or administration of this trust or performance of its duties hereunder, including the costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers or duties hereunder.

As security for the performance of the obligations of the Company under this Section the Trustee shall have a claim prior to the Debt Securities and any coupons upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of (and premium, if any) or interest on particular Debt Securities or any coupons.

Section 6.08 *Disqualification; Conflicting Interests.*

If the Trustee has or shall acquire any conflicting interest within the meaning of the Trust Indenture Act, the Trustee shall either eliminate such interest or resign, to the extent and in the manner provided by, and subject to the provisions of, the Trust Indenture Act and this Indenture. To the extent permitted by such Act, the Trustee shall not be deemed to have a conflicting interest with respect to Debt Securities of any series by virtue of being a trustee under this Indenture with respect to any particular series of Debt Securities.

Section 6.09 *Corporate Trustee Required; Eligibility.*

There shall at all times be a Trustee hereunder which shall be a corporation that is eligible pursuant to the Trust Indenture Act to act as such and organized and doing business under the laws of the United States, any State thereof or the District of Columbia, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least \$5,000,000, and subject to supervision or examination by Federal or State authority; *provided, however,* that if Section 310(a) of the Trust Indenture Act or the rules and regulations of the Commission under the Trust Indenture Act at any time permit a corporation organized and doing business under the laws of any other jurisdiction to serve as trustee of an indenture qualified under the Trust Indenture Act, this Section 609 shall be automatically amended to permit a corporation organized and doing business under the laws of any such other jurisdiction to serve as Trustee hereunder. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of the aforesaid supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, it shall resign promptly in the manner and with the effect hereinafter specified in this Article.

Section 6.10 *Resignation and Removal; Appointment of Successor.*

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee under Section 611.

(b) The Trustee may resign at any time with respect to the Debt Securities of one or more series by giving written notice thereof to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition at the expense of the Company any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(c) The Trustee may be removed at any time with respect to the Debt Securities of any series by Act of the Holders of a majority in principal amount of the Outstanding Debt Securities of such series, delivered to the Trustee and to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days of receipt of such Act specifying removal, the removed Trustee may petition at the expense of the Company any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(d) If at any time:

(1) the Trustee shall fail to comply with Section 608 with respect to the Debt Securities of any series after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Debt Security of such series for at least six months, or

(2) the Trustee shall cease to be eligible under Section 609 with respect to any series of Debt Securities and shall fail to resign after written request therefor by the Company or by any such Holder, or

(3) the Trustee shall become incapable of acting with respect to any series of Debt Securities or a decree or order for relief by a court having jurisdiction in the premises shall have been entered in respect of the Trustee in an involuntary case under the Federal bankruptcy laws, as now or hereafter constituted, or any other applicable Federal or State bankruptcy, insolvency or similar law; or a decree or order by a court having jurisdiction in the premises shall have been entered for the appointment of a receiver, custodian, liquidator, assignee, trustee, sequestrator or other similar official of the Trustee or of its property or affairs, or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation, winding up or liquidation, or

(4) the Trustee shall commence a voluntary case under the Federal bankruptcy laws, as now or hereafter constituted, or any other applicable Federal or State bankruptcy, insolvency or similar law or shall consent to the appointment of or taking possession by a receiver, custodian, liquidator, assignee, trustee, sequestrator or other similar official of the Trustee or its property or affairs, or shall make an assignment for the benefit of creditors, or shall admit in writing its inability to pay its debts generally as they become due, or shall take corporate action in furtherance of any such action, then, in any such case, (i) the Company by a Board Resolution may remove the Trustee with respect to such series or (ii) subject to Section 514, any Holder who has been a bona fide Holder of a Debt Security of any series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee for the Debt Securities of such series and the appointment of a successor Trustee. In addition, the Company may remove the Trustee if the Company shall determine by a Board Resolution that the services provided by the Trustee hereunder may be obtained at a substantially lower cost to the Company.

(e) If the Trustee shall resign, be removed or become incapable of acting with respect to any series of Debt Securities, or if a vacancy shall occur in the office of Trustee for any cause, with respect to the Debt Securities of one or more series, the Company, by a Board Resolution, shall promptly appoint a successor Trustee or Trustees with respect to the Debt Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Debt Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Debt Securities of any particular series) and shall comply with the applicable requirements of Section 611. If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Debt Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Debt Securities of such series delivered to the Company and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment, become the successor Trustee with respect to the Debt Securities of such series and to that extent supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Debt Securities of any series shall have been so appointed by the Company or the Holders and accepted appointment in the manner hereinafter provided,

any Holder who has been a bona fide Holder of a Debt Security of such series for at least six months may, subject to Section 514, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(f) The Company shall give notice of each resignation and each removal of the Trustee with respect to the Debt Securities of any series and each appointment of a successor Trustee with respect to the Debt Securities of any series by mailing written notice of such event by first-class mail, postage prepaid, to the Holders of Registered Securities, if any, of such series as their names and addresses appear in the Security Register and, if Debt Securities of such series are issuable as Bearer Securities, by publishing notice of such event once in an Authorized Newspaper in each Place of Payment located outside the United States. Each notice shall include the name of the successor Trustee with respect to the Debt Securities of such series and the address of its Corporate Trust Office.

Section 6.11 *Acceptance of Appointment by Successor.*

(a) In the case of an appointment hereunder of a successor Trustee with respect to all Debt Securities, every such successor Trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges due under Section 607 hereof, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee, and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder.

(b) In the case of the appointment hereunder of a successor Trustee with respect to the Debt Securities of one or more (but not all) series, the Company, the retiring Trustee upon payment of its charges and each successor Trustee with respect to the Debt Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor Trustee shall accept such appointment and which (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates, (2) if the retiring Trustee is not retiring with respect to all Debt Securities, shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee; and upon the execution and delivery of such supplemental indenture, the

resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates; but, on the request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates.

(c) Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

Section 6.12 *Merger, Conversion, Consolidation or Succession to Business.*

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all of the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, *provided* such corporation shall be otherwise qualified and eligible under this Article, without the executing or filing of any paper or any further act on the part of any of the parties hereto. In case any Debt Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion, consolidation or sale to such authenticating Trustee may adopt such authentication and deliver the Debt Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Debt Securities. In case any Debt Securities shall not have been authenticated by such predecessor Trustee, any such successor Trustee may authenticate and deliver such Debt Securities, in either its own name or that of its predecessor Trustee, with the full force and effect which this Indenture provides for the certificate of authentication of the Trustee.

Section 6.13 *Preferential Collection of Claims Against Company.*

If and when the Trustee shall be or shall become a creditor, directly or indirectly, secured or unsecured, of the Company (or any other obligor upon the Debt Securities), the Trustee shall be subject to the provisions of the Trust Indenture Act regarding collection of claims against the Company (or any such other obligor).

Section 6.14 *Authenticating Agent.*

The Trustee shall upon Company request appoint one or more authenticating agents with respect to one or more series of Debt Securities which shall be authorized on behalf of the Trustee in authenticating Debt Securities of such series in connection with the issue, delivery, registration of transfer, exchange, partial redemption or repayment of such Debt Securities. Wherever reference is made in this Indenture to the authentication of Debt Securities by the

Trustee or the Trustee's certificate of authentication, such reference shall be deemed to include authentication on behalf of the Trustee by an authenticating agent and a certificate of authentication executed on behalf of the Trustee by an authenticating agent. Each authenticating agent must be acceptable to the Company and must be a corporation organized and doing business under the laws of the United States or of any State, having a combined capital and surplus of at least \$1,000,000, authorized under such laws to do a trust business and subject to supervision or examination by Federal or State authorities or the equivalent foreign authority in the case of an authenticating agent who is not organized and doing business under the laws of the United States or of any State thereof or the District of Columbia.

Any corporation succeeding to the corporate agency business of an authenticating agent shall continue to be an authenticating agent without the execution or filing of any paper or any further act on the part of the Trustee or such authenticating agent.

An authenticating agent may at any time resign with respect to one or more series of Debt Securities by giving written notice of resignation to the Trustee and to the Company. The Trustee may at any time terminate the agency of any authenticating agent with respect to one or more series of Debt Securities by giving written notice of termination to such authenticating agent and to the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time an authenticating agent shall cease to be eligible in accordance with the provisions of this Section, the Trustee promptly may appoint a successor authenticating agent. Any successor authenticating agent upon acceptance of its appointment hereunder shall become vested with all rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an authenticating agent herein. No successor authenticating agent shall be appointed unless eligible under the provisions of this Section.

The Trustee agrees to pay to each authenticating agent from time to time reasonable compensation for its services under this Section, and the Trustee shall be entitled to be reimbursed for such payment, subject to the provisions of Section 607.

The provisions of Sections 104, 111, 306, 309, 603, 604, 605 and 607 shall be applicable to any authenticating agent. Pursuant to each appointment made under this Section, the Debt Securities of each series covered by such appointment may have endorsed thereon, in lieu of the Trustee's certificate of authentication, an alternate certificate of authentication in substantially the following form:

This is one of the Debt Securities, of the series designated herein, described in the within-mentioned Indenture.

[_____]

By

As Authenticating Agent for the Trustee

By

Authorized Signatory

Dated

ARTICLE SEVEN
Holders' Lists and Reports By Trustee and Company

Section 7.01 *Company to Furnish Trustee Names and Addresses of Holders.*

The Company will furnish or cause to be furnished to the Trustee with respect to Debt Securities of each series for which it acts as Trustee:

(1) semi-annually, not more than 15 days after the Regular Record Date in respect of the Debt Securities of such series or on May 15 and November 15 of each year with respect to each series of Debt Securities for which there are no Regular Record Dates, a list, in such form as the Trustee may reasonably require, of the names and addresses of the Holders of Registered Securities as of such Regular Record Date or May 1 or November 1, as the case may be, and

(2) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished;

provided, however, that if and so long as the Trustee shall be the Security Registrar, no such list need be furnished.

Section 7.02 *Preservation of Information; Communications to Holders.*

(a) The Trustee shall preserve, in as current a form as is reasonably practicable, the names and addresses of Holders of Registered Securities contained in the most recent list furnished to the Trustee as provided in Section 7.01 and the names and addresses of Holders of Registered Securities received by the Trustee in its capacity as Paying Agent or Security Registrar, if so acting. The Trustee may destroy any list furnished to it as provided in Section 7.01 upon receipt of a new list so furnished. The Trustee shall preserve for at least two years the names and addresses of Holders of Bearer Securities filed with the Trustee by such Holders.

(b) The rights of Holders to communicate with other Holders with respect to their rights under this Indenture or under the Debt Securities, and the corresponding rights and privileges of the Trustee, shall be as provided by the Trust Indenture Act.

(c) Every Holder of Debt Securities or coupons, by receiving and holding the same, agrees with the Company and the Trustee that neither the Company nor the Trustee shall be held accountable by reason of any disclosure of information as to the names and addresses of the Holders made pursuant to the Trust Indenture Act.

Section 7.03 *Reports by Trustee.*

(a) Within 60 days after May 15 of each year commencing with the first May 15 after the first issuance of Debt Securities pursuant to this Indenture and at any other time required by the Trust Indenture Act, the Trustee shall transmit to Holders such reports

concerning the Trustee and its actions under this Indenture and such other matters as may be required pursuant to the Trust Indenture Act in the manner required by the Trust Indenture Act.

(b) A copy of each such report shall, at the time of such transmission to Holders, be filed by the Trustee with each stock exchange upon which any Debt Securities of such series are listed, with the Commission and also with the Company. The Company will notify the Trustee when any series of Debt Securities are listed on any stock exchange.

Section 7.04 *Reports by Company.*

The Company shall file with the Trustee and the Commission, and transmit to Holders such information, documents and other reports, and such summaries thereof, as may be required pursuant to the Trust Indenture Act at the time and in the manner pursuant to such Act; *provided* that such information, documents or reports required to be filed with the Commission pursuant to Section 13 or Section 15(d) of the Exchange Act shall be filed with the Trustee within 15 days of filing with the Commission.

Delivery of such reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of such shall not constitute constructive notice of any information contained therein or determinable from information contained therein, including the Company's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officers' Certificates).

ARTICLE EIGHT
Consolidation, Merger, Conveyance, Transfer or Lease

Section 8.01 *Company May Consolidate, etc. Only on Certain Terms.*

The Company shall not consolidate with or merge into any other corporation or convey, transfer or lease its properties and assets substantially as an entirety to any Person, unless:

(1) the corporation formed by such consolidation or into which the Company is merged or the Person which acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety shall be a corporation organized and existing under the laws of the United States of America, any political subdivision thereof or any State thereof and shall expressly assume, by an indenture supplemental hereto, executed and delivered to the Trustee, in form satisfactory to the Trustee, the due and punctual payment of the principal of (and premium, if any) and interest (including all additional amounts, if any, payable pursuant to Section 1004) on all the Debt Securities and any related coupons and the performance of every covenant of this Indenture on the part of the Company to be performed or observed;

(2) immediately after giving effect to such transaction, no Event of Default, and no event which, after notice or lapse of time, or both, would become an Event of Default, shall have happened and be continuing; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel each stating that such consolidation, merger, conveyance, transfer or

lease and such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been met.

Section 8.02 *Successor Corporation Substituted.*

Upon any consolidation with or merger into any other corporation, or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety in accordance with Section 801, the successor corporation formed by such consolidation or into which the Company is merged or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor had been named as the Company herein, and thereafter, except in the case of a lease of the properties and assets of the Company substantially as an entirety, the Company (which term for this purpose shall mean the Person named as the "Company" in the first paragraph of this instrument or any successor corporation which shall theretofore have become such in the manner presented in this Article) shall be relieved of all obligations and covenants under this Indenture and the Debt Securities and any coupons.

ARTICLE NINE
Supplemental Indentures

Section 9.01 *Supplemental Indentures without Consent of Holders.*

Without the consent of any Holders, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

- (1) to evidence the succession of another corporation to the Company, and the assumption by such successor of the covenants of the Company herein and in the Debt Securities contained; or
- (2) to add to the covenants of the Company, for the benefit of the Holders of all or any series of Debt Securities or coupons (and if such covenants are to be for the benefit of less than all series of Debt Securities or coupons, stating that such covenants are expressly being included solely for the benefit of such series), to convey, transfer, assign, mortgage or pledge any property to or with the Trustee, or to surrender any right or power herein conferred upon the Company; or
- (3) to add any additional Events of Default (and if such Events of Default are to be applicable to less than all series of Debt Securities, stating that such Events of Default are expressly being included solely to be applicable to such series); or
- (4) to add to, change or eliminate any of the provisions of this Indenture to provide that Bearer Securities may be registrable as to principal, to change or eliminate any restrictions on the payment of principal (or premium, if any) on Registered Securities or of principal (or premium, if any) or any interest on Bearer Securities, to permit Bearer Securities to be issued in exchange for Registered Securities of other authorized

denominations or to permit or facilitate the issuance of Debt Securities in uncertificated form, *provided* any such action shall not adversely affect the interests of the Holders of Debt Securities of any series or any related coupons in any material respect; or

(5) to change or eliminate any of the provisions of this Indenture, *provided* that any such change or elimination (a) shall become effective only when there is no Debt Security Outstanding of any series created prior to the execution of such supplemental indenture which is entitled to the benefit of such provisions or (b) shall not apply to any Debt Security Outstanding; or

(6) to establish the form or terms of Debt Securities of any series as permitted by Sections 201 and 301; or

(7) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Debt Securities of one or more series and to add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 611(b); or

(8) to cure any ambiguity, to correct or supplement any provision herein which may be defective or inconsistent with any other provision herein, to make any other provisions with respect to matters or questions arising under this Indenture which shall not be inconsistent with the provisions of this Indenture, or to make any other additions to, deletions from and other changes to the provisions hereof, *provided* such other provisions shall not adversely affect the interests of the Holders of Debt Securities of any series or any related coupons in any material respect; or

(9) to add to or change or eliminate any provision of this Indenture as shall be necessary or desirable in accordance with any amendments to the Trust Indenture Act, *provided* such action shall not adversely affect the interest of Holders of Debt Securities of any series or any related coupons in any material respect.

Section 9.02 *Supplemental Indentures with Consent of Holders.*

With the consent of the Holders of not less than a majority in principal amount of the Outstanding Debt Securities of all series affected by such supplemental indenture, acting together as a class, by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders under this Indenture of such Debt Securities of such series and any related coupons; *provided, however*, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Debt Security or coupon affected thereby,

(1) change the Stated Maturity of the principal or any installment of principal of, or any installment of interest on, any Debt Security, or reduce the principal amount thereof or the interest thereon or any premium payable upon redemption or repayment thereof, or change any obligation of the Company to pay additional amounts pursuant to

Section 1004 (except as contemplated by Section 801(1) and permitted by Section 901(1)), or reduce the amount of the principal of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502, or change any Place of Payment, or the coin or currency in which any Debt Security or the interest thereon or any coupon is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof (or, in the case of redemption or repayment, on or after the Redemption Date or Repayment Date, as the case may be); or

(2) reduce the percentage in principal amount of the Outstanding Debt Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) provided for in this Indenture, or reduce the requirements of Section 1404 for quorum or voting; or

(3) modify any of the provisions of this Section, Section 513 or Section 1006, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Debt Security affected thereby; *provided, however*, that this clause shall not be deemed to require the consent of any Holder with respect to changes in the references to “the Trustee” and concomitant changes in this Section and Section 1006, or the deletion of this proviso, in accordance with the requirements of Section 611(b) and 901(7); or

(4) adversely affect the right to repayment, if any, of Debt Securities of any series at the option of the Holders thereof. A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Debt Securities, or which modifies the rights of the Holders of Debt Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Debt Securities of any other series.

It shall not be necessary for any Act of Holders of the Debt Securities under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

Section 9.03 *Execution of Supplemental Indentures.*

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and (subject to Section 601) shall be fully protected in relying upon, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustee’s own rights, duties or immunities under this Indenture or otherwise.

Section 9.04 *Effect of Supplemental Indentures.*

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Debt Securities theretofore or thereafter authenticated and delivered hereunder and of any coupons appertaining thereto shall be bound thereby.

Section 9.05 *Conformity with Trust Indenture Act.*

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

Section 9.06 *Reference in Debt Securities to Supplemental Indentures.*

Debt Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Debt Securities of any series and any related coupons so modified as to conform, in the opinion of the Trustee and the Board of Directors, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Debt Securities of such series and any related coupons.

ARTICLE TEN
Covenants

Section 10.01 *Payment of Principal, Premium and Interest.*

The Company covenants and agrees for the benefit of each series of Debt Securities and any related coupons that it will duly and punctually pay the principal of (and premium, if any) and interest on the Debt Securities and any related coupons in accordance with the terms of the Debt Securities, any related coupons and this Indenture. Any interest due on Bearer Securities on or before Maturity, other than additional amounts, if any, payable as provided in Section 1004 in respect of principal of (or premium, if any, on) such a Debt Security, shall be payable only upon presentation and surrender of the several coupons for such interest installments as are evidenced thereby as they severally mature.

Section 10.02 *Maintenance of Office or Agency.*

The Company will maintain in each Place of Payment for any series of Debt Securities an office or agency where Debt Securities (but, except as otherwise provided below, unless such Place of Payment is located outside the United States, not Bearer Securities) may be presented or surrendered for payment, where Debt Securities may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Debt Securities and this Indenture may be served. If Debt Securities of a series are issuable as Bearer Securities, the Company will maintain, subject to any laws or regulations applicable thereto, an office or agency in a Place of Payment for such series which is located outside the United States

where Debt Securities of such series and the related coupons may be presented and surrendered for payment (including payment of any additional amounts payable on Debt Securities of such series pursuant to Section 1004); *provided, however*, that if the Debt Securities of such series are listed on any stock exchange located outside the United States and such stock exchange shall so require, the Company will maintain a Paying Agent in any required city located outside the United States so long as the Debt Securities of such series are listed on such exchange. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of any such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices or demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee its agent to receive all presentations, surrenders, notices and demands, except that Bearer Securities of that series and the related coupons may be presented and surrendered for payment (including payment of any additional amounts payable on Bearer Securities of that series pursuant to Section 1004) at the place specified for the purpose pursuant to Section 301(5).

No payment of principal of, premium or interest on Bearer Securities shall be made at any office or agency of the Company in the United States or by check mailed to any address in the United States or by transfer to an account maintained with a bank located in the United States; *provided, however*, payment of principal of and any premium and interest denominated in Dollars (including additional amounts payable in respect thereof) on any Bearer Security may be made at an office or agency of, and designated by, the Company located in the United States if (but only if) payment of the full amount of such principal, premium, interest or additional amounts in Dollars at all offices outside the United States maintained for the purpose by the Company in accordance with this Indenture is illegal or effectively precluded by exchange controls or other similar restrictions and the Trustee receives an Opinion of Counsel that such payment within the United States is legal. Unless otherwise provided as contemplated by Section 301 with respect to any series of Debt Securities, at the option of the Holder of any Bearer Security or related coupon, payment may be made by check in the currency designated for such payment pursuant to the terms of such Bearer Security presented or mailed to an address outside the United States or by transfer to an account in such currency maintained by the payee with a bank located outside the United States.

The Company may also from time to time designate one or more other offices or agencies (in or outside of such Place of Payment) where the Debt Securities of one or more series and any related coupons (subject to the preceding paragraph) may be presented or surrendered for any or all such purposes, and may from time to time rescind such designations; *provided, however*, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in each Place of Payment for any series of Debt Securities for such purposes. The Company will give prompt written notice to the Trustee of any such designation and any change in the location of any such other office or agency.

Section 10.03 *Money for Debt Securities Payments to Be Held in Trust.*

If the Company shall at any time act as its own Paying Agent with respect to any series of Debt Securities, it will, on or before each due date of the principal of (and premium, if any) or interest on any of the Debt Securities of such series and any related coupons, segregate and hold

in trust for the benefit of the Persons entitled thereto a sum sufficient to pay the principal (and premium, if any) or interest so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided, and will promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents with respect to any series of Debt Securities, it will, on or before each due date of the principal of (and premium, if any) or interest on any of the Debt Securities of such series and any related coupons, deposit with a Paying Agent a sum sufficient to pay the principal (and premium, if any) or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal, premium or interest, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee of its action or failure so to act.

The Company will cause each Paying Agent with respect to any series of Debt Securities other than the Trustee to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent will

- (1) hold all sums held by it for the payment of the principal of (and premium, if any) or interest on Debt Securities of such series and any related coupons in trust for the benefit of the Persons entitled thereto until such sums shall be paid to such Persons or otherwise disposed of as herein provided;
- (2) give the Trustee notice of any default by the Company (or any other obligor upon the Debt Securities of such series or any related coupons) in the making of any payment of principal of (and premium, if any) or interest on the Debt Securities of such series or any related coupons; and
- (3) at any time during the continuance of any such default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent.

The Company may at any time, for the purpose of terminating its obligations under this Indenture with respect to Debt Securities of any series or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such money.

Any principal and interest received on the Eligible Instruments deposited with the Trustee or any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of (and premium, if any) or interest on any Debt Security of any series or any related coupons or any money on deposit with the Trustee or any Paying Agent representing amounts deducted from the Redemption Price or Repayment Price with respect to unmatured coupons not presented upon redemption or exercise of the Holder's option for repayment pursuant to Section 1106 or 1303 and remaining unclaimed for two years after such

principal (and premium, if any) or interest has become due and payable shall be paid to the Company on Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Debt Security or any coupon appertaining thereto shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money (including the principal and interest received on Eligible Instruments deposited with the Trustee), and all liability of the Company as trustee thereof, shall thereupon cease; *provided, however*, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense of the Company cause to be published once, in an Authorized Newspaper of general circulation in the [Borough of Manhattan, The City of New York], and each Place of Payment or mailed to each such Holder, or both, notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such publication or mailing, any unclaimed balance of such money then remaining will be repaid to the Company.

Section 10.04 *Payment of Additional Amounts.*

If the Debt Securities of a series provide for the payment of additional amounts, the Company will pay to the Holder of any Debt Security of any series or any coupon appertaining thereto additional amounts upon the terms and subject to the conditions provided therein. Whenever in this Indenture there is mentioned, in any context, the payment of the principal of (or premium, if any) or interest on, or in respect of, any Debt Security of any series or any related coupon or the net proceeds received on the sale or exchange of any Debt Security of any series, such mention shall be deemed to include mention of the payment of additional amounts provided for in the terms of such Debt Securities and this Section to the extent that, in such context, additional amounts are, were or would be payable in respect thereof pursuant to the provisions of this Section and express mention of the payment of additional amounts (if applicable) in any provisions hereof shall not be construed as excluding additional amounts in those provisions hereof where such express mention is not made.

If the Debt Securities of a series provide for the payment of additional amounts, at least 10 days prior to the first Interest Payment Date with respect to that series of Debt Securities (or if the Debt Securities of that series will not bear interest prior to Maturity, the first day on which a payment of principal (and premium, if any) is made), and at least 10 days prior to each date of payment of principal (and premium, if any) or interest if there has been any change with respect to the matters set forth in the below-mentioned Officers' Certificate, the Company will furnish the Trustee and the Company's principal Paying Agent or Paying Agents, if other than the Trustee, with an Officers' Certificate instructing the Trustee and such Paying Agent or Paying Agents whether such payment of principal of (and premium, if any) or interest on the Debt Securities of that series shall be made to Holders of Debt Securities of that series or the related coupons who are United States Aliens without withholding for or on account of any tax, assessment or other governmental charge described in the Debt Securities of that series. If any such withholding shall be required, then such Officers' Certificate shall specify by country the amount, if any, required to be withheld on such payments to such Holders of Debt Securities or coupons and the Company will pay to the Trustee or such Paying Agent the additional amounts, if any, required by the terms of such Debt Securities and the first paragraph of this Section. The Company covenants to indemnify the Trustee and any Paying Agent for, and to hold them harmless against, any loss, liability or expense reasonably incurred without negligence or bad

faith on their part arising out of or in connection with actions taken or omitted by any of them in reliance on any Officers' Certificate furnished pursuant to this Section.

Section 10.05 *Officers' Certificate as to Default.*

The Company will deliver to the Trustee, on or before a date not more than four months after the end of each fiscal year of the Company ending after the date hereof, an Officers' Certificate, stating whether or not to the best knowledge of the signers thereof the Company is in default in the performance and observance of any of the terms, provisions and conditions of this Indenture, and, if the Company shall be in default, specifying all such defaults and the nature thereof of which they may have knowledge.

Section 10.06 *Waiver of Certain Covenants.*

The Company may omit in any particular instance to comply with any covenant or condition applicable to the Debt Securities of any series pursuant to Section 301 unless such covenant or condition is determined pursuant to Section 301 not to be subject to this provision if, before the time for such compliance the Holders of at least a majority in principal amount of all series of the Debt Securities at the time Outstanding to which such covenant or condition applies shall, acting together as a class, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such covenant or condition, but no such waiver shall extend to or affect such covenant or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such covenant or condition shall remain in full force and effect.

ARTICLE ELEVEN
Redemption of Debt Securities

Section 11.01 *Applicability of Article.*

Debt Securities of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified as contemplated by Section 301 for Debt Securities of any series) in accordance with this Article.

Section 11.02 *Election to Redeem; Notice to Trustee.*

The election of the Company to redeem any Debt Securities shall be evidenced by a Board Resolution. In case of any redemption at the election of the Company of less than all of the Debt Securities of any series, the Company shall, at least 45 days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee of such Redemption Date and of the principal amount and the tenor and terms of the Debt Securities of any series to be redeemed. In the case of any redemption of Debt Securities prior to the expiration of any restriction on such redemption provided in the terms of such Debt Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with such restriction.

Section 11.03 *Selection by Trustee of Debt Securities to be Redeemed.*

Except as otherwise specified as contemplated by Section 301 for Debt Securities of any series, if less than all the Debt Securities of any series with like tenor and terms are to be redeemed, the particular Debt Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Debt Securities of such series with like tenor and terms not previously called for redemption, by such method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions (equal to the minimum authorized denomination for Debt Securities of such series or any integral multiple thereof which is also an authorized denomination) of the principal amount of Registered Securities or Bearer Securities (if issued in more than one authorized denomination) of such series of a denomination larger than the minimum authorized denomination for Debt Securities of such series.

The Trustee shall promptly notify the Company in writing of the Debt Securities selected for redemption and, in the case of any Debt Securities selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Debt Securities shall relate, in the case of any Debt Security redeemed or to be redeemed only in part, to the portion of the principal amount of such Debt Security which has been or is to be redeemed.

Section 11.04 *Notice of Redemption.*

Notice of redemption shall be given in the manner provided in Section 106 not less than 30 nor more than 60 days prior to the Redemption Date, to each Holder of Debt Securities to be redeemed.

All notices of redemption shall state:

- (1) the Redemption Date;
- (2) the Redemption Price;
- (3) if less than all Outstanding Debt Securities of any series are to be redeemed, the identification (and, in the case of partial redemption, the principal amounts) of the particular Debt Securities to be redeemed;
- (4) that on the Redemption Date the Redemption Price will become due and payable upon each such Debt Security to be redeemed, and that interest thereon shall cease to accrue on and after said date;
- (5) the Place or Places of Payment where such Debt Securities, together in the case of Bearer Securities with all coupons, if any, appertaining thereto maturing after the Redemption Date, are to be surrendered for payment of the Redemption Price;
- (6) that Bearer Securities may be surrendered for payment only at such place or places which are outside the United States, except as otherwise provided in Section 1002;

- (7) that the redemption is for a sinking fund, if such is the case; and
- (8) the CUSIP number, if any.

A notice of redemption published as contemplated by Section 106 need not identify particular Registered Securities to be redeemed.

Notice of redemption of Debt Securities to be redeemed at the election of the Company shall be given by the Company, or, at the Company's request, by the Trustee in the name and at the expense of the Company.

Section 11.05 *Deposit of Redemption Price.*

On or prior to any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of money and/or, to the extent the Debt Securities to be redeemed are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of the Debt Securities to be redeemed) will provide money on or prior to the Redemption Date in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay the Redemption Price of, and (except if the Redemption Date shall be an Interest Payment Date) accrued interest on, all the Debt Securities or portions thereof which are to be redeemed on that date; *provided, however*, that deposits with respect to Bearer Securities shall be made with a Paying Agent or Paying Agents located outside the United States except as otherwise provided in Section 1002, unless otherwise specified as contemplated by Section 301.

Section 11.06 *Debt Securities Payable on Redemption Date.*

Notice of redemption having been given as aforesaid, the Debt Securities to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Debt Securities shall cease to bear interest and the coupons for such interest appertaining to any Bearer Securities so to be redeemed, except to the extent provided below, shall be void. Upon surrender of any such Debt Security for redemption in accordance with said notice, such Debt Security shall be paid by the Company at the Redemption Price, together with accrued interest to the Redemption Date; *provided, however*, that installments of interest on Bearer Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable only upon presentation and surrender of coupons for such interest (at an office or agency located outside the United States except as otherwise provided in Section 1002), and *provided further*, that installments of interest on Registered Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Debt Securities, or one or more Predecessor Securities, registered as such on the relevant Record Dates according to their terms and the provisions of Section 307.

If any Bearer Security surrendered for redemption shall not be accompanied by all related coupons maturing after the Redemption Date, such Bearer Security may be paid after deducting from the Redemption Price an amount equal to the face amount of all such missing coupons, or

the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Bearer Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made from the Redemption Price, such Holder shall be entitled to receive the amount so deducted without interest thereon; *provided, however*, that interest represented by coupons shall be payable only upon presentation and surrender of those coupons at an office or agency located outside of the United States except as otherwise provided in Section 1002.

If any Debt Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal (and premium, if any) shall, until paid, bear interest from the Redemption Date at the rate prescribed therefor in the Debt Security.

Section 11.07 *Debt Securities Redeemed in Part.*

Any Registered Security which is to be redeemed only in part shall be surrendered at a Place of Payment therefor (with, if the Company, the Security Registrar or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company, the Security Registrar and the Trustee duly executed by, the Holder thereof or his attorney duly authorized in writing), and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Debt Security without service charge, a new Registered Security or Registered Securities of the same series and of like tenor and terms, of any authorized denominations as requested by such Holder in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Debt Security so surrendered.

ARTICLE TWELVE
Sinking Funds

Section 12.01 *Applicability of Article.*

The provisions of this Article shall be applicable to any sinking fund for the retirement of Debt Securities of a series except as otherwise specified as contemplated by Section 301 for Debt Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Debt Securities of any series is herein referred to as a “mandatory sinking fund payment”, and any payment in excess of such minimum amount provided for by the term of Debt Securities of any series is herein referred to as an “optional sinking fund payment”. If provided for by the terms of Debt Securities of any series, the amount of any sinking fund payment may be subject to reduction as provided in Section 1202. Each sinking fund payment shall be applied to the redemption of Debt Securities of any series as provided for by the terms of Debt Securities of such series.

Section 12.02 *Satisfaction of Sinking Fund Payments with Debt Securities.*

The Company (1) may deliver Outstanding Debt Securities of a series (other than any previously called for redemption), together in the case of any Bearer Securities of such series with all unmatured coupons appertaining thereto, and (2) may apply as a credit Debt Securities of a series which have been redeemed either at the election of the Company pursuant to the terms of such Debt Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Debt Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to the Debt Securities of such series required to be made pursuant to the terms of such Debt Securities as provided for by the terms of such series; *provided* that such Debt Securities have not been previously so credited. Such Debt Securities shall be received and credited for such purpose by the Trustee at the Redemption Price specified in such Debt Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly. If as a result of the delivery or credit of Debt Securities in lieu of cash payments pursuant to this Section 1202, the principal amount of Debt Securities to be redeemed in order to exhaust the aforesaid cash payment shall be less than \$100,000, the Trustee need not call Debt Securities for redemption, except upon Company Request, and such cash payment shall be held by the Trustee or a Paying Agent and applied to the next succeeding sinking fund payment, *provided, however,* that the Trustee or such Paying Agent shall at the request of the Company from time to time pay over and deliver to the Company any cash payment so being held by the Trustee or such Paying Agent upon delivery by the Company to the Trustee of Debt Securities purchased by the Company having an unpaid principal amount equal to the cash payment requested to be released to the Company.

Section 12.03 *Redemption of Debt Securities for Sinking Fund.*

Not less than 60 days prior to each sinking fund payment date for any series of Debt Securities (unless a shorter period shall be satisfactory to the Trustee), the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing sinking fund payment for that series pursuant to the terms of that series, the portion thereof, if any, which is to be satisfied by payment of cash, the portion thereof, if any, which is to be satisfied by crediting Debt Securities of that series pursuant to Section 1202 and the basis for any such credit and, prior to or concurrently with the delivery of such Officers' Certificate, will also deliver to the Trustee any Debt Securities to be so credited and not theretofore delivered to the Trustee. Not less than 30 days (unless a shorter period shall be satisfactory to the Trustee) before each such sinking fund payment date the Trustee shall select the Debt Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 1103 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 1104. Such notice having been duly given, the redemption of such Debt Securities shall be made upon the terms and in the manner stated in Sections 1105, 1106 and 1107.

ARTICLE THIRTEEN
Repayment at the Option of Holders

Section 13.01 *Applicability of Article.*

Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity shall be repaid in accordance with their terms and (except as

otherwise specified pursuant to Section 301 for Debt Securities of such series) in accordance with this Article.

Section 13.02 *Repayment of Debt Securities.*

Each Debt Security which is subject to repayment in whole or in part at the option of the Holder thereof on a Repayment Date shall be repaid at the applicable Repayment Price together with interest accrued to such Repayment Date as specified pursuant to Section 301.

Section 13.03 *Exercise of Option; Notice.*

Each Holder desiring to exercise such Holder's option for repayment shall, as conditions to such repayment, surrender the Debt Security to be repaid in whole or in part together with written notice of the exercise of such option at any office or agency of the Company in a Place of Payment, not less than 30 nor more than 45 days prior to the Repayment Date; *provided, however*, that surrender of Bearer Securities together with written notice of exercise of such option shall be made at an office or agency located outside the United States except as otherwise provided in Section 1002. Such notice, which shall be irrevocable, shall specify the principal amount of such Debt Security to be repaid, which shall be equal to the minimum authorized denomination for such Debt Security or an integral multiple thereof, and shall identify the Debt Security to be repaid and, in the case of a partial repayment of the Debt Security, shall specify the denomination or denominations of the Debt Security or Debt Securities of the same series to be issued to the Holder for the portion of the principal of the Debt Security surrendered which is not to be repaid.

If any Bearer Security surrendered for repayment shall not be accompanied by all unmatured coupons and all matured coupons in default, such Bearer Security may be paid after deducting from the Repayment Price an amount equal to the face amount of all such missing coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Bearer Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made from the Repayment Price, such Holder shall be entitled to receive the amount so deducted without interest thereon; *provided, however*, that interest represented by coupons shall be payable only at an office or agency located outside the United States except as otherwise provided in Section 1002.

The Company shall execute and the Trustee shall authenticate and deliver without service charge to the Holder of any Registered Security so surrendered a new Registered Security or Securities of the same series, of any authorized denomination specified in the foregoing notice, in an aggregate principal amount equal to any portion of the principal of the Registered Security so surrendered which is not to be repaid.

The Company shall execute and the Trustee shall authenticate and deliver without service charge to the Holder of any Bearer Security so surrendered a new Registered Security or Securities or new Bearer Security or Securities (and all related unmatured coupons and matured coupons in default) or any combination thereof of the same series of any authorized

denomination or denominations specified in the foregoing notice, in an aggregate principal amount equal to any portion of the principal of the Debt Security so surrendered which is not to be paid; *provided, however*, that the issuance of a Registered Security therefor shall be subject to applicable laws and regulations, including provisions of the United States Federal income tax laws and regulations in effect at the time of the exchange; neither the Company, the Trustee nor the Security Registrar shall issue Registered Securities for Bearer Securities if it has received an Opinion of Counsel that as a result of such issuance the Company would suffer adverse consequences under the United States Federal income tax laws then in effect and the Company has delivered to the Trustee a Company Order directing the Trustee not to make such issuances thereafter unless and until the Trustee receives a subsequent Company Order to the contrary. The Company shall deliver copies of such Company Order to the Security Registrar.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the repayment of Debt Securities shall relate, in the case of any Debt Security repaid or to be repaid only in part, to the portion of the principal of such Debt Security which has been or is to be repaid.

Section 13.04 *Election of Repayment by Remarketing Entities.*

The Company may elect, with respect to Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity, at any time prior to any Repayment Date to designate one or more Remarketing Entities to purchase, at a price equal to the Repayment Price, Debt Securities of such series from the Holders thereof who give notice and surrender their Debt Securities in accordance with Section 1303.

Section 13.05 *Securities Payable on the Repayment Date.*

Notice of exercise of the option of repayment having been given and the Debt Securities so to be repaid having been surrendered as aforesaid, such Debt Securities shall, unless purchased in accordance with Section 1304, on the Repayment Date become due and payable at the price therein specified and from and after the Repayment Date such Debt Securities shall cease to bear interest and shall be paid on the Repayment Date, and the coupons for such interest appertaining to Bearer Securities so to be repaid, except to the extent provided above, shall be void, unless the Company shall default in the payment of such price in which case the Company shall continue to be obligated for the principal amount of such Debt Securities and shall be obligated to pay interest on such principal amount at the rate borne by such Debt Securities from time to time until payment in full of such principal amount.

ARTICLE FOURTEEN
Meetings of Holders of Debt Securities

Section 14.01 *Purposes for Which Meetings May Be Called.*

If Debt Securities of a series are issuable in whole or in part as Bearer Securities, a meeting of Holders of Debt Securities of such series may be called at any time and from time to time pursuant to this Article to make, give or take any request, demand, authorization, direction, notice, consent, waiver or other Act provided by this Indenture to be made, given or taken by Holders of Debt Securities of such series.

Section 14.02 *Call, Notice and Place of Meetings.*

(a) The Trustee may at any time call a meeting of Holders of Debt Securities of any series issuable as Bearer Securities for any purpose specified in Section 1401, to be held at such time and at such place in the [Borough of Manhattan, The City of New York, or in London] as the Trustee shall determine. Notice of every meeting of Holders of Debt Securities of any series, setting forth the time and the place of such meeting and in general terms the action proposed to be taken at such meeting, shall be given, in the manner provided in Section 106, not less than 21 nor more than 180 days prior to the date fixed for the meeting.

(b) In case at any time the Company, pursuant to a Board Resolution, or the Holders of at least 10% in principal amount of the Outstanding Debt Securities of any series shall have requested the Trustee to call a meeting of the Holders of Debt Securities of such series for any purpose specified in Section 1401, by written request setting forth in reasonable detail the action proposed to be taken at the meeting, and the Trustee shall not have made the first publication of the notice of such meeting within 21 days after receipt of such request or shall not thereafter proceed to cause the meeting to be held as provided herein, then the Company or the Holders of Debt Securities of such series in the amount above specified, as the case may be, may determine the time and the place in the [Borough of Manhattan, The City of New York, or in London] for such meeting and may call such meeting for such purposes by giving notice thereof as provided in subsection (a) of this Section.

Section 14.03 *Persons Entitled to Vote at Meetings.*

To be entitled to vote at any meeting of Holders of Debt Securities of any series, a Person shall be (1) a Holder of one or more Outstanding Debt Securities of such series, or (2) a Person appointed by an instrument in writing as proxy for a Holder or Holders of one or more Outstanding Debt Securities of such series by such Holder or Holders. The only Persons who shall be entitled to be present or to speak at any meeting of Holders of Debt Securities of any series shall be the Persons entitled to vote at such meeting and their counsel, any representatives of the Trustee and its counsel and any representatives of the Company and its counsel.

Section 14.04 *Quorum; Action.*

The Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of a series shall constitute a quorum for a meeting of Holders of Debt Securities of such series. In the absence of a quorum within 30 minutes of the time appointed for any such meeting, the meeting shall, if convened at the request of Holders of Debt Securities of such series, be dissolved. In the absence of a quorum in any other case the meeting may be adjourned for a period of not less than 10 days as determined by the chairperson of the meeting prior to the adjournment of such meeting. In the absence of a quorum at any such adjourned meeting, such adjourned meeting may be further adjourned for a period of not less than 10 days as determined by the chairperson of the meeting prior to the adjournment of such adjourned meeting. Notice of this reconvening of any adjourned meeting shall be given as provided in Section 1402(a), except that such notice need be given only once not less than five days prior to the date on which the meeting is scheduled to be reconvened. Notice of the reconvening of an adjourned meeting shall

state expressly the percentage, as provided above, of the principal amount of the Outstanding Debt Securities of such series which shall constitute a quorum.

Except as limited by the proviso to Section 902, any resolution presented to a meeting or adjourned meeting duly reconvened at which a quorum is present as aforesaid may be adopted only by the affirmative vote of the Holders of majority in principal amount of the Outstanding Debt Securities of that series, *provided however*, that, except as limited by the proviso to Section 902, any resolution with respect to any request, demand, authorization, direction, notice, consent, waiver or other Act which this Indenture expressly provides may be made, given or taken by the Holders of a specified percentage, which is less than a majority, in principal amount of the Outstanding Debt Securities of a series may be adopted at a meeting or an adjourned meeting duly reconvened and at which a quorum is present as aforesaid by the affirmative vote of the Holders of such specified percentage in principal amount of the Outstanding Debt Securities of that series.

Any resolution passed or decision taken at any meeting of Holders of Debt Securities of any series duly held in accordance with this Section shall be binding on all the Holders of Debt Securities of such series and the related coupons, whether or not present or represented at the meeting.

Section 14.05 *Determination of Voting Rights; Conduct and Adjournment of Meetings.*

(a) Notwithstanding any other provisions of this Indenture, the Trustee may make such reasonable regulations as it may deem advisable for any meeting of Holders of Debt Securities of such series in regard to proof of the holding of Debt Securities of such series and of the appointment of proxies and in regard to the appointment and duties of inspectors of votes, the submission and examination of proxies, certificates and other evidence of the right to vote, and such other matters concerning the conduct of the meeting as it shall deem appropriate. Except as otherwise permitted or required by any such regulations, the holding of Debt Securities shall be proved in the manner specified in Section 104 and the appointment of any proxy shall be proved in the manner specified in Section 104 or, in the case of Bearer Securities, by having the signature of the person executing the proxy witnessed or guaranteed by any trust company, bank or banker authorized by Section 104 to certify to the holding of Bearer Securities. Such regulations may provide that written instruments appointing proxies, regular on their face, may be presumed valid and genuine without the proof specified in Section 104 or other proof.

(b) The Trustee shall, by an instrument in writing, appoint a temporary chairperson of the meeting, unless the meeting shall have been called by the Company or by Holders of Debt Securities as provided in Section 1402(b), in which case the Company or the Holders of Debt Securities of the series calling the meeting, as the case may be, shall in like manner appoint a temporary chairperson. A permanent chairperson and a permanent secretary of the meeting shall be elected by vote of the Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of such series represented at the meeting.

(c) At any meeting each Holder of a Debt Security of such series or proxy shall be entitled to one vote for each \$1,000 principal amount (or the equivalent in Euro, any other composite currency or a Foreign Currency) of Debt Securities of such series held or

represented by him; *provided, however*, that no vote shall be cast or counted at any meeting in respect of any Debt Security challenged as not Outstanding and ruled by the chairperson of the meeting not to be Outstanding. The chairperson of the meeting shall have no right to vote, except as a Holder of a Debt Security of such series or proxy.

(d) Any meeting of Holders of Debt Securities of any series duly called pursuant to Section 1402 at which a quorum is present may be adjourned from time to time by Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of such series represented at the meeting; and the meeting may be held as so adjourned without further notice.

Section 14.06 *Counting Votes and Recording Action of Meetings.*

The vote upon any resolution submitted to any meeting of Holders of Debt Securities of any series shall be by written ballots on which shall be subscribed the signatures of the Holders of Debt Securities of such series or of their representatives by proxy and the principal amounts and serial numbers of the Outstanding Debt Securities of such series held or represented by them. The permanent chairperson of the meeting shall appoint two inspectors of votes who shall count all votes cast at the meeting for or against any resolution and who shall make and file with the secretary of the meeting their verified written reports in triplicate of all votes cast at the meeting. A record, at least in triplicate, of the proceedings of each meeting of Holders of Debt Securities of any series shall be prepared by the secretary of the meeting and there shall be attached to said record the original reports of the inspectors of votes on any vote by ballot taken thereat and affidavits by one or more persons having knowledge of the facts setting forth a copy of the notice of the meeting and showing that said notice was given as provided in Section 1402 and, if applicable, Section 1401. Each copy shall be signed and verified by the affidavits of the permanent chairperson and secretary of the meeting and one such copy shall be delivered to the Company, and another to the Trustee to be preserved by the Trustee, the latter to have attached thereto the ballots voted at the meeting. Any record so signed and verified shall be conclusive evidence of the matters therein stated.

ARTICLE FIFTEEN
Defeasance

Section 15.01 *Termination of Company's Obligations.*

If this Section 1501 is specified, as contemplated by Section 301, to be applicable to any series of Debt Securities and if the Company deposits irrevocably in trust with the Trustee money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of such Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay the principal of (and premium, if any) and any installment of principal of (and premium, if any) or interest when due on the Debt Securities of such series and any coupons appertaining thereto and any mandatory sinking fund, repayment or analogous payments thereon on the scheduled due dates therefor at the Stated Maturity thereof, the Company's obligations under any covenant

determined pursuant to Section 301 to be subject to this Section shall terminate with respect to the Debt Securities of the series for which such deposit was made *provided, however*, that (i) no Event of Default with respect to the Debt Securities of such series under Section 501(5) or 501(6) or event that with notice or lapse of time or both would constitute such an Event of Default shall have occurred and be continuing on such date, (ii) such deposit will not result in a breach of, or constitute a default under, this Indenture or any other agreement or instrument to which the Company is a party or by which it is bound, and (iii) such termination shall not relieve the Company of its obligations under the Debt Securities of such series and this Indenture to pay when due the principal of (and premium, if any) and interest and additional amounts on such Debt Securities and any coupons appertaining thereto if such Debt Securities or coupons are not paid (or payment is not provided for) when due from the money and Eligible Instruments (and the proceeds thereof) so deposited.

It shall be a condition to the deposit of cash and/or Eligible Instruments and the termination of the Company's obligations pursuant to the provisions of this Section with respect to the Debt Securities of any series under any covenant determined pursuant to Section 301 to be subject to this Section that the Company deliver to the Trustee (i) an Opinion of Counsel to the effect that: (a) Holders of Debt Securities of such series and any coupons appertaining thereto will not recognize income, gain or loss for Federal income tax purposes as a result of such deposit and termination and (b) such Holders (and future Holders) will be subject to tax in the same amount, manner and timing as if such deposit and termination had not occurred, (ii) an Officers' Certificate to the effect that under the laws in effect on the date such money and/or Eligible Instruments are deposited with the Trustee, the amount thereof will be sufficient, after payment of all Federal, state and local taxes in respect thereof payable by the Trustee, to pay principal (and premium, if any) and interest when due on the Debt Securities of such series and any coupons appertaining thereto; and (iii) an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the defeasance contemplated in this Section have been complied with.

It shall be an additional condition to the deposit of cash and/or Eligible Instruments and the termination of the Company's obligations pursuant to the provisions of this Section under any covenant determined pursuant to Section 301 to be subject to this Section, with respect to the Debt Securities of any series then listed, that the Company deliver an Opinion of Counsel that the Debt Securities of such series will not be delisted as a result of such deposit and termination.

After a deposit as provided herein, the Trustee shall, upon Company Request, acknowledge in writing the discharge of the Company's obligations pursuant to the provisions of this Section with respect to the Debt Securities of such series under any covenant determined pursuant to Section 301 to be subject to this Section.

Section 15.02 *Repayment to Company.*

The Trustee and any Paying Agent shall promptly pay to the Company upon Company Request any money or Eligible Instruments not required for the payment of the principal of (and premium, if any) and interest on the Debt Securities of any series and any related coupons for which money or Eligible Instruments have been deposited pursuant to Section 1501 held by them at any time.

The Trustee and any Paying Agent shall promptly pay to the Company upon Company Request any money held by them for the payment of principal (and premium, if any) and interest that remains unclaimed for two years after the Maturity of the Debt Securities for which a deposit has been made pursuant to Section 1501. After such payment to the Company, the Holders of the Debt Securities of such series and any related coupons shall thereafter, as unsecured general creditors, look only to the Company for the payment thereof.

Section 15.03 *Indemnity for Eligible Instruments.*

The Company shall pay and shall indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the deposited Eligible Instruments or the principal or interest received on such Eligible Instruments.

IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed as of the day and year first above written.

PINEAPPLE ENERGY INC.

By

Its

[_____]

By

Its

EXHIBIT A-1

[Form of Certificate of Beneficial Ownership by a
Non-United States Person or by Certain Other Persons]

Certificate
PINEAPPLE ENERGY INC.
[Insert title or sufficient description of
Debt Securities to be delivered]

Reference is hereby made to the Indenture dated as of [] (the "Indenture") between Pineapple Energy Inc. and [] (the "Trustee"), covering the above-captioned Debt Securities. This is to certify that as of the date hereof, _____ principal amount of Debt Securities credited to you for our account (i) is owned by persons that are not United States Persons, as defined below; (ii) is owned by United States Persons that are (a) foreign branches of United States financial institutions (as defined in U.S. Treasury Regulations Section 1.165-12(c)(1)(v)) ("financial institutions") purchasing for their own account or for resale, or (b) United States Persons who acquired the Debt Securities through foreign branches of United States financial institutions and who hold the Debt Securities through such United States financial institutions on the date hereof (and in either case (a) or (b), each such United States financial institution encloses herewith a certificate in the form of Exhibit A-2 to the Indenture); or (iii) is owned by United States or foreign financial institutions for purposes of resale during the restricted period (as defined in U.S. Treasury Regulations Section 1.163-5(c)(2)(i)(D)(7)), which United States or foreign financial institutions described in clause (iii) above (whether or not also described in clause (i) or (ii)) certify that they have not acquired the Debt Securities for purposes of resale directly or indirectly to a United States Person or to a person within the United States or its possessions.

[Insert if certificate does not relate to an interest payment--We undertake to advise you by tested telex followed by written confirmation if the above statement as to beneficial ownership is not correct on the date of delivery of the above-captioned Debt Securities in bearer form as to all of such Debt Securities with respect to such of said Debt Securities as then appear in your books as being held for our account.] We understand that this certificate is required in connection with United States tax laws. We irrevocably authorize you to produce this certificate or a copy hereof to any interested party in any administrative or legal proceedings with respect to the matters covered by this certificate. "United States Person" shall mean a citizen or resident of the United States of America (including the District of Columbia), a corporation, partnership or other entity created or organized in or under the laws of the United States or any political subdivision thereof or an estate or trust that is subject to United States Federal income taxation regardless of the source of its income.

[This certificate excepts and does not relate to principal amount of Debt Securities credited to you for our account and to which we are not now able to make the certification set forth above. We understand that definitive Debt Securities cannot be delivered and interest cannot be paid until we are able to so certify with respect to such principal amount of Debt Securities.]*

Dated:
[To be dated on or after _____ (the date determined as provided in the Indenture)]

[Name of Person Entitled to Receive Bearer Security]

(Authorized Signatory)

Name:
Title:

*Delete if inappropriate

EXHIBIT A-2
[Form of Certificate of Status as a
Foreign Branch of a United States Financial Institution]
Certificate
PINEAPPLE ENERGY INC.
[Insert title or sufficient description of
Debt Securities to be delivered]

Reference is hereby made to the Indenture dated as of [_____] (the "Indenture"), between Pineapple Energy Inc. and [_____], relating to the offering of the above-captioned Debt Securities (the "Debt Securities"). Unless herein defined, terms used herein have the same meaning as given to them in the Indenture.

The undersigned represents that it is a branch located outside the United States of a United States securities clearing organization, bank or other financial institution (as defined in U.S. Treasury Regulation Section 1.165-12(c)(1)(v)) that holds customers' securities in the ordinary course of its trade or business and agrees, and authorizes you to advise the issuer or the issuer's agent, that it will comply with the requirements of Section 165(j)(3)(A), (B) or (C) of the Internal Revenue Code of 1986 and the regulations thereunder and is not purchasing for resale directly or indirectly to a United States Person or to a person within the United States or its possessions. We undertake to advise you by tested telex followed by written confirmation if the statement in the immediately preceding sentence is not correct on the date of delivery of the above-captioned Debt Securities in bearer form.

We understand that this certificate is required in connection with the United States tax laws. We irrevocably authorize you to produce this certificate or a copy hereof to any interested party in any administrative or legal proceedings with respect to the matters covered by this certificate.

Dated:
[To be dated on or after _____ (the date determined as provided in the Indenture)]

[Name of Person Entitled to Receive Bearer Security]

(Authorized Signatory)

Name:
Title:

EXHIBIT B

[Form of Certificate to be Given by Euroclear and Clearstream in Connection with the Exchange of All or a Portion of a Temporary Global Security or to Obtain Interest Prior to Exchange]
Certificate

PINEAPPLE ENERGY INC.

[Insert title or sufficient description of Debt Securities to be delivered]

We refer to that portion,, of the Global Security representing the above-captioned issue [which is herewith submitted to be exchanged for definitive Debt Securities]* [for which we are seeking to obtain payment of interest]* (the "Submitted Portion"). This is to certify, pursuant to the Indenture dated as of [] (the "Indenture") between Pineapple Energy Inc. and [] (the "Trustee"), that we have received in writing, by tested telex or by electronic transmission from member organizations with respect to each of the persons appearing in our records as being entitled to a beneficial interest in the Submitted Portion a Certificate of Beneficial Ownership by a Non-United States Person or by Certain Other Persons [and, in some cases, a Certificate of Status as a Foreign Branch of a United States Financial Institution, authorizing us to inform the issuer or the issuer's agent that it will comply with the requirements of Section 165(j)(3)(A), (B) or (C) of the Internal Revenue Code of 1986 and the regulations thereunder]* substantially in the form of Exhibit A-1 [and A-2]* to the Indenture.

We hereby request that you deliver to the office of _____ in _____ definitive Bearer Securities in the denominations on the attached Schedule A.

We further certify that as of the date hereof we have not received any notification from any of the persons giving such certificates to the effect that the statements made by them with respect to any part of the Submitted Portion are no longer true and cannot be relied on as of the date hereof.

Dated:

[, as
Operator of the Euroclear System] [Clearstream]
By:

*Delete if inappropriate.

PINEAPPLE ENERGY INC.
TO
 [_____]
Trustee

INDENTURE
Dated as of [_____]

Subordinated Debt Securities
Pineapple Energy Inc.
Reconciliation and tie between Trust Indenture Act of 1939 and
Indenture, dated as of [_____]

Trust Indenture Act Section	Indenture Section
§310(a)(1)	609
(a)(2)	609
(a)(3)	Not Applicable
(a)(4)	Not Applicable
(a)(5)	609
(b)	608, 610
§311(a)	613
(b)	613
§312(a)	701, 702(a)
(b)	702(b)
(c)	702(c)
§313(a)	703(a)
(b)	703(a)
(c)	703(a)
(d)	703(b)
§314(a)	704, 1005
(b)	Not Applicable
(c)(1)	102
(c)(2)	102
(c)(3)	Not Applicable
(d)	Not Applicable
(e)	102
§315(a)	601
(b)	602
(c)	601
(d)	601
(e)	514
§316(a)	101
(a)(1)(A)	104(h), 502, 512
(a)(1)(B)	104(h), 513
(a)(2)	Not Applicable
(b)	508

(c)	104(h)
§317(a)(1)	503
(a)(2)	504
(b)	1003
§318(a)	107
(c)	107

Note: This reconciliation and tie shall not, for any purpose, be deemed to be part of the Indenture.

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INDENTURE (the "Indenture") dated as of [_____] , between PINEAPPLE ENERGY INC., a Minnesota corporation (hereinafter called the "Company"), having its principal place of business at 315 East Lake Street, Suite 301 Wayzata, MN 55391, and [_____] , (hereinafter called the "Trustee"), a national banking association duly organized and validly existing under the laws of the United States of America having its Corporate Trust Office at [_____].

RECITALS OF THE COMPANY

The Company has duly authorized the execution and delivery of this Indenture to provide for the issuance from time to time of its subordinated debentures, notes, bonds and other evidences of indebtedness (herein called the "Debt Securities").

All things necessary have been done to make this Indenture a valid agreement of the Company, in accordance with its terms.

NOW, THEREFORE, THIS INDENTURE WITNESSETH:

For and in consideration of the premises and the purchase of the Debt Securities of any series created and issued on or after the date hereof by the Holders thereof, it is mutually covenanted and agreed for the benefit of all Holders of such Debt Securities or of any such series, as follows:

ARTICLE ONE Definitions and Other Provisions of General Application

Section 1.01 *Definitions.*

For all purposes of this Indenture, except as otherwise expressly provided or unless the context otherwise requires:

- (1) the terms defined in this Article have the meanings assigned to them in this Article, and include the plural as well as the singular;
 - (2) all other terms used herein which are defined in the Trust Indenture Act or by Commission rule or regulation under the Trust Indenture Act, either directly or by reference therein, as in force at the date as of which this instrument was executed, except as provided in Section 905, have the meanings assigned to them therein;
 - (3) all accounting terms not otherwise defined herein have the meanings assigned to them in accordance with generally accepted accounting principles, and, except as otherwise herein expressly provided, the term "generally accepted accounting principles" with respect to any computation required or permitted hereunder shall mean such accounting principles as are generally accepted in the United States at the date of such computation; and
-

(4) the words “herein”, “hereof” and “hereunder” and other words of similar import refer to this Indenture as a whole and not to any particular Article, Section or other subdivision.

Certain terms, used principally in Article Six, are defined in that Article.

“Act” when used with respect to any Holder has the meaning specified in Section 104.

“Affiliate” of any specified Person means any other Person directly or indirectly controlling or controlled by or under direct or indirect common control with such specified Person. For the purposes of this definition, “control” when used with respect to any specified Person means the power to direct the management and policies of such Person, directly or indirectly, whether through the ownership of voting securities by contract or otherwise, and the terms “controlling” and “controlled” have meanings correlative to the foregoing.

“Authorized Newspaper” means a newspaper in an official language of the country of publication or in the English language customarily published on each Business Day, whether or not published on Saturdays, Sundays or holidays, and of general circulation in the place in connection with which the term is used or in the financial community of such place. Where successive publications are required to be made in Authorized Newspapers, the successive publications may be made in the same or in different newspapers in the same city meeting the foregoing requirements and in each case on any Business Day.

“Bankruptcy Law” means Title 11 of the United States Code (or any successor thereto) or any similar federal or state law for the relief of debtors.

“Bearer Security” means any Debt Security established pursuant to Section 201 which is payable to bearer including, without limitation, unless the context otherwise indicates, a Debt Security in global bearer form.

“Board of Directors” means either the board of directors of the Company, or the executive or any other committee of that board duly authorized to act in respect hereof.

“Board Resolution” means a copy of a resolution certified by the Secretary or an Assistant Secretary of the Company to have been duly adopted by the Board of Directors and to be in full force and effect on the date of such certification, and delivered to the Trustee. Where any provision of this Indenture refers to action to be taken pursuant to a Board Resolution (including the establishment of any series of the Debt Securities and the forms and terms thereof), such action may be taken by any committee of the Board of the Company or any officer or employee of the Company authorized to take such action by a Board Resolution.

“Business Day”, when used with respect to any Place of Payment, means any day which is not a Saturday or Sunday and which is not a legal holiday or a day on which banking institutions or trust companies in that Place of Payment are authorized or obligated by law or executive order to close.

“Capital Stock” of any Person means any and all shares, interests, rights to purchase, warrants, options, participations or other equivalents of or interests in (however designated) equity of such Person, but excluding any debt securities convertible into such equity.

“Clearstream “ means Clearstream Banking S.A.

“Commission” means the Securities and Exchange Commission, as from time to time constituted, created under the Exchange Act, or if at any time after the execution of this instrument such Commission is not existing and performing the duties now assigned to it under the Trust Indenture Act, then the body performing such duties on such date.

“Company” means the Person named as the “Company” in the first paragraph of this instrument until a successor Person shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Company” shall mean such successor Person.

“Company Request” and “Company Order” mean, respectively, except as otherwise provided in this Indenture, a written request or order signed in the name of the Company by the Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President (any references to a Vice President of the Company herein shall be deemed to include any Vice President of the Company whether or not designated by a number or word or words added before or after the title “Vice President”), the Treasurer, an Assistant Treasurer, the Controller, an Assistant Controller, Secretary or an Assistant Secretary of the Company or by another officer of the Company duly authorized to sign by a Board Resolution, and delivered to the Trustee.

“Corporate Trust Office” means the principal office of the Trustee at which at any particular time its corporate trust business shall be administered, which office at the date of original execution of this Indenture is located at [_____].

The term “corporation” includes corporations, associations, companies and business trusts.

The term “coupon” means any interest coupon appertaining to a Bearer Security.

“Debt Securities” has the meaning stated in the first recital of this Indenture and more particularly means any Debt Securities authenticated and delivered under this Indenture.

“Defaulted Interest” has the meaning specified in Section 307.

“Depository” means, with respect to the Debt Securities of any series issuable or issued in the form of a Global Security, the Person designated as Depository by the Company pursuant to Section 301 until a successor Depository shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Depository” shall mean or include each person who is then a Depository hereunder, and if at any time there is more than one such Person, “Depository” as used with respect to the Debt Securities of any such series shall mean the Depository with respect to the Debt Securities of that series.

“Designated Currency” has the meaning specified in Section 312.

“Dollar” or “\$” means the coin or currency of the United States of America as at the time of payment is legal tender for the payment of public and private debts.

“Eligible Instruments” means monetary assets, money market instruments and securities that are payable in Dollars only and essentially risk free as to collection of principal and interest, including U.S. Government Obligations.

“Euro” means the single currency of the European Monetary Union as defined under EC Regulation 1103/97 adopted under Article 235 of the EU Treaty and under EC Regulation 974/98 adopted under Article 109l(4) of the EU Treaty or under any successor European legislation from time to time.

“Euroclear” means Euroclear Bank S.A./N.V., as operator of the Euroclear System.

“Event of Default” has the meaning specified in Section 501.

“Exchange Act” means the Securities Exchange Act of 1934, as amended.

“Exchange Rate” shall have the meaning specified as contemplated in Section 301.

“Exchange Rate Agent” shall have the meaning specified as contemplated in Section 301.

“Exchange Rate Officer’s Certificate”, with respect to any date for the payment of principal of (and premium, if any) and interest on any series of Debt Securities, means a certificate setting forth the applicable Exchange Rate and the amounts payable in Dollars and Foreign Currencies in respect of the principal of (and premium, if any) and interest on Debt Securities denominated in Euro, any other composite currency or Foreign Currency, and signed by the Chairman of the Board, a Vice Chairman of the Board, the President, a Vice President, the Treasurer or any Assistant Treasurer of the Company or the Exchange Rate Agent appointed pursuant to Section 301, and delivered to the Trustee.

“Foreign Currency” means a currency issued by the government of any country other than the United States of America.

“GAAP” means generally accepted accounting principles in the United States as used by the Financial Accounting Standards Board and/or the American Institute of Certified Public Accountants, consistently applied.

“Global Exchange Agent” has the meaning specified in Section 304.

“Global Exchange Date” has the meaning specified in Section 304.

“Global Security” means a Debt Security issued to evidence all or part of a series of Debt Securities in accordance with Section 303.

“Holder”, with respect to a Registered Security, means a Person in whose name such Registered Security is registered in the Security Register and, with respect to a Bearer Security or a coupon, means the bearer thereof.

“Indebtedness” means, with respect to any specified Person, all obligations of such Person, whether or not contingent:

(i) (a) for borrowed money (including, but not limited to, any indebtedness secured by a security interest, mortgage or other lien on the assets of such Person that is (1) given to secure all or part of the purchase price of property subject thereto, whether given to the vendor of such property or to another, or (2) existing on property at the time of acquisition thereof), (b) evidenced by a note, debenture, bond or other similar written instrument, (c) under a lease required to be capitalized on the balance sheet of the lessee under GAAP, or under any lease or related document (including a purchase agreement) that provides that such Person is contractually obligated to purchase or cause a third party to purchase and thereby guarantee a minimum residual value of the lease property to the lessor and such Person’s obligations under such lease or related document to purchase or to cause a third party to purchase such leased property, (d) in respect of letters of credit, bank guarantees or bankers’ acceptances (including reimbursement obligations with respect to any of the foregoing), (e) obligations secured by a mortgage, pledge, lien, charge or similar encumbrance to which the property or assets of such Person are subject, whether or not the obligation secured thereby shall have been assumed by or shall otherwise be such Person’s legal liability, (f) in respect of the balance of deferred and unpaid purchase price of any property or assets, and (g) under interest rate or currency swap agreements, cap, floor and collar agreements, spot and forward contracts and similar agreements and arrangements; (h) with respect to any obligation of others of the type described in the preceding clause (i) or under clause (iii) below assumed by or guaranteed in any manner by such Person (including, without limitation, through “take or pay” and similar arrangements), contingent or otherwise (and the obligations of such Person under any such assumptions, guarantees or other such arrangements); and (iii) any and all deferrals, renewals, extensions, refinancing and refunding of, or amendments, modifications or supplements to, any of the foregoing.

The amount of any Indebtedness outstanding as of any date shall be (i) the accreted value thereof, in the case of any Indebtedness issued with original issue discount; and (ii) the principal amount thereof, together with any interest thereon that is more than 30 days past due, in the case of any other Indebtedness.

“Indenture” means this instrument as originally executed or as it may from time to time be supplemented, amended or restated by or pursuant to one or more indentures supplemental hereto entered into pursuant to the applicable provisions hereof and, unless the context otherwise requires, shall include the terms of a particular series of Debt Securities established as contemplated by Section 301.

The term “interest”, when used with respect to an Original Issue Discount Security which by its terms bears interest only after Maturity, means interest payable after Maturity.

“Interest Payment Date”, with respect to any Debt Security, means the Stated Maturity of an installment of interest on such Debt Security.

“Maturity”, when used with respect to any Debt Security, means the date on which the principal of such Debt Security becomes due and payable as therein or herein provided, whether at the Stated Maturity or by declaration of acceleration, call for redemption, repayment at the option of the Holder or otherwise.

“Officers’ Certificate” means a certificate signed by the Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President, and by the Treasurer, an Assistant Treasurer, the Controller, an Assistant Controller, the Secretary or an Assistant Secretary of the Company, and delivered to the Trustee.

“Opinion of Counsel” means a written opinion of counsel, who may (except as otherwise expressly provided in this Indenture) be an employee of or counsel for the Company, or who may be other counsel, which is delivered to the Trustee.

“Original Issue Discount Security” means any Debt Security which provides for an amount less than the principal amount thereof to be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502.

“Outstanding”, when used with respect to Debt Securities means, as of the date of determination, all Debt Securities theretofore authenticated and delivered under this Indenture, *except*:

(i) Debt Securities theretofore cancelled by the Trustee or delivered to the Trustee for cancellation;

(ii) Debt Securities or portions thereof for whose payment or redemption money or Eligible Instruments in the necessary amount has been theretofore deposited with the Trustee or any Paying Agent (other than the Company) in trust or set aside and segregated in trust by the Company (if the Company shall act as its own Paying Agent) for the Holders of such Debt Securities and any coupons appertaining thereto; *provided, however*, that if such Debt Securities are to be redeemed, notice of such redemption has been duly given pursuant to this Indenture or provision therefor satisfactory to the Trustee has been made; and (iii) Debt Securities in exchange for or in lieu of which other Debt Securities have been authenticated and delivered, or which have been paid, pursuant to this Indenture; *provided, however*, that in determining whether the Holders of the requisite principal amount of Debt Securities Outstanding have given any request, demand, authorization, direction, notice, consent or waiver hereunder, Debt Securities owned by the Company or any other obligor upon the Debt Securities or any Affiliate of the Company or of such other obligor shall be disregarded and deemed not to be Outstanding, except that, in determining whether the Trustee shall be protected in relying upon such request, demand, authorization, direction, notice, consent or waiver, only Debt Securities which a Responsible Officer of the Trustee actually knows to be so owned shall be so disregarded. Debt Securities so owned which have been pledged in good faith may be regarded as Outstanding if the pledgee establishes to the satisfaction of the Trustee the pledgee’s right so to act with respect to such Debt Securities and that the pledgee is not the Company or any other obligor upon the Debt Securities or any Affiliate of the Company or of such other obligor.

“Paying Agent” means any Person authorized by the Company to pay the principal of (and premium, if any) or interest on any Debt Securities on behalf of the Company.

“Person” means any individual, corporation, partnership, joint venture, association, joint-stock company, trust, unincorporated organization or government or any agency or political subdivision thereof.

“Place of Payment”, when used with respect to the Debt Securities of any series means any place where the principal of (and premium, if any) and interest on the Debt Securities of that series are payable as specified as contemplated by Section 301.

“Predecessor Security” of any particular Debt Security means every previous Debt Security evidencing all or a portion of the same debt as that evidenced by such particular Debt Security; and, for the purposes of this definition, any Debt Security authenticated and delivered under Section 306 in lieu of a lost, destroyed or stolen Debt Security shall be deemed to evidence the same debt as the lost, destroyed or stolen Debt Security.

“ranking junior to the Debt Securities”, when used with respect to any obligation of the Company shall mean any obligation of the Company which (a) ranks junior to and not equally with or prior to the Debt Securities (or any other obligations of the Company ranking on a parity with the Debt Securities) in right of payment upon the happening of any event of the kind specified in the first sentence of the second paragraph in Section 1601 or (b) is specifically designated as ranking junior to the Debt Securities by express provision in the instrument creating or evidencing such obligation. The securing of any obligations of the Company, otherwise ranking junior to the Debt Securities, shall be deemed to prevent such obligations from constituting obligations ranking junior to the Debt Securities.

“ranking on a parity with the Debt Securities”, when used with respect to any obligation of the Company shall mean any obligation of the Company which (a) ranks equally with and not prior to the Debt Securities in right of payment upon the happening of any event of the kind specified in the first sentence of the second paragraph in Section 1601 or (b) is specifically designated as ranking on a parity with the Debt Securities by express provision in the instrument creating or evidencing such obligation. The securing of any obligations of the Company, otherwise ranking on a parity with the Debt Securities, shall not be deemed to prevent such obligations from constituting obligations ranking on a parity with the Debt Securities.

“Redemption Date”, when used with respect to any Debt Security to be redeemed, means the date fixed for such redemption by or pursuant to this Indenture.

“Redemption Price”, when used with respect to any Debt Security to be redeemed, means the price at which it is to be redeemed pursuant to this Indenture.

“Registered Security” means any Debt Security in the form of Registered Securities established pursuant to Section 201 which is registered in the Security Register.

“Regular Record Date” for the interest payable on any Interest Payment Date on the Registered Securities of any series means the date specified for that purpose as contemplated by Section 301.

“Remarketing Entity”, when used with respect to Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity, means any person designated by the Company to purchase any such Debt Securities.

“Repayment Date”, when used with respect to any Debt Security to be repaid upon exercise of an option for repayment by the Holder, means the date fixed for such repayment pursuant to this Indenture.

“Repayment Price”, when used with respect to any Debt Security to be repaid upon exercise of an option for repayment by the Holder, means the price at which it is to be repaid pursuant to this Indenture.

“Responsible Officer” when used with respect to the Trustee, means any vice president, any assistant vice president, any senior trust officer or assistant trust officer, any trust officer, or any other officer associated with the corporate trust department of the Trustee customarily performing functions similar to those performed by any of the above designated officers and also means, with respect to a particular corporate trust matter, any other officer to whom such matter is referred because of such person’s knowledge of and familiarity with the particular subject.

“Security Register” and “Security Registrar” have the respective meanings specified in Section 305.

“Senior Debt” means the principal of, premium, if any, and interest on, rent under, and any other amounts payable on or in respect of any Indebtedness of the Company (including, without limitation, any principal, interest, penalties, fees, indemnifications, reimbursements, damages and other liabilities payable under the documentation governing any Indebtedness in respect of such Indebtedness and any interest accruing after the filing of a petition by or against the Company under any Bankruptcy Law, whether or not allowed as a claim after such filing in any proceeding under such Bankruptcy Law), whether outstanding on the date of this Indenture or thereafter created, incurred, assumed, guaranteed or in effect guaranteed by the Company (including all deferrals, renewals, extensions, refinancing or refunding of, or amendments, modifications or supplements to the foregoing); *provided, however*, that Senior Debt does not include:

- (i) any liability for Federal, state, local or other taxes owed or owing by the Company;
- (ii) Indebtedness of the Company to any Subsidiary of the Company;
- (iii) trade payables and accrued expenses (including, without limitation, accrued compensation) of the Company for goods, services or materials purchased or provided in the ordinary course of business, and (iv) any particular Indebtedness in which the instrument creating or evidencing the same expressly provides that such Indebtedness shall not be senior in right of payment to, or is *pari passu* with, or is subordinated or junior to, the Debt Securities.

“Special Record Date” for the payment of any Defaulted Interest means a date fixed by the Trustee pursuant to Section 307.

“Stated Maturity,” when used with respect to any Debt Security or any installment of interest thereon, means the date specified in such Debt Security or a coupon representing such installment of interest as the fixed date on which the principal of such Debt Security or such installment is due and payable.

“Subsidiary” means, in respect of any Person, any corporation, association, partnership or other business entity of which more than 50% of the total voting power of shares of Capital Stock entitled (without regard to the occurrence of any contingency within the control of such Person to satisfy) to vote in the election of directors, managers, general partners or trustees thereof is at the time owned or controlled, directly or indirectly, by (i) such Person, (ii) such Person and one or more Subsidiaries of such Person, or (iii) one or more Subsidiaries of such Person.

“Trust Indenture Act” means the Trust Indenture Act of 1939, as amended, as in force at the date as of which this instrument was executed, except as provided in Section 905.

“Trustee” means the Person named as the “Trustee” in the first paragraph of this instrument until a successor Trustee shall have become such pursuant to the applicable provisions of this Indenture, and thereafter “Trustee” shall mean or include each Person who is then a Trustee hereunder, and if at any time there is more than one such Person, “Trustee” as used with respect to the Debt Securities of any series shall mean the Trustee with respect to Debt Securities of that series.

“United States” means the United States of America (including the District of Columbia) and its possessions.

“United States Alien” means any Person who, for United States Federal income tax purposes, is a foreign corporation, a non-resident alien individual, a non-resident alien fiduciary of a foreign estate or trust, or a foreign partnership one or more of the members of which is, for United States Federal income tax purposes, a foreign corporation, a non-resident alien individual or a non-resident alien fiduciary of a foreign estate or trust.

“U.S. Government Obligations” means direct obligations of the United States for the payment of which its full faith and credit is pledged, or obligations of a person controlled or supervised by and acting as an agency or instrumentality of the United States the timely payment of which is unconditionally guaranteed as a full faith and credit obligation by the United States, and shall also include a depository receipt issued by a bank (as defined in Section 3(a)(2) of the Securities Act of 1933, as amended) as custodian with respect to any such U.S. Government Obligation or a specific payment of principal of or interest on any such U.S. Government Obligation held by such custodian for the account of the holder of such depository receipt, *provided* that (except as required by law) such custodian is not authorized to make any deduction from the amount payable to the holder of such depository receipt from any amount received by the custodian in respect of the U.S. Government Obligation or the specific payment of principal of or interest on the U.S. Government Obligation evidenced by such depository receipt.

Section 1.02 *Compliance Certificates and Opinions.*

Upon any application or request by the Company to the Trustee to take any action under any provision of this Indenture, the Company shall furnish to the Trustee, if so requested by the Trustee, an Officers' Certificate stating that all conditions precedent, if any, provided for in this Indenture relating to the proposed action have been complied with and an Opinion of Counsel stating that in the opinion of such counsel all such conditions precedent, if any, have been complied with, except that in the case of any such application or request as to which the furnishing of such documents is specifically required by any provision of this Indenture relating to such particular application or request, no additional certificate or opinion need be furnished.

Every certificate or opinion with respect to compliance with a condition or covenant provided for in this Indenture shall include:

- (1) a statement that each individual signing such certificate or opinion has read such covenant or condition and the definitions herein relating thereto;
- (2) a brief statement as to the nature and scope of the examination or investigation upon which the statements or opinions contained in such certificate or opinion are based;
- (3) a statement that, in the opinion of each such individual, he or she has made such examination or investigation as is necessary to enable him or her to express an informed opinion as to whether or not such covenant or condition has been complied with; and
- (4) a statement as to whether, in the opinion of each such individual, such condition or covenant has been complied with.

Section 1.03 *Form of Documents Delivered to Trustee.*

In any case where several matters are required to be certified by, or covered by an opinion of, any specified Person, it is not necessary that all such matters be certified by, or covered by the opinion of, only one such Person, or that they be so certified or covered by only one document, but one such Person may certify or give an opinion with respect to some matters and one or more other such Persons as to other matters, and any such Person may certify or give an opinion as to such matters in one or several documents.

Any certificate or opinion of an officer of the Company may be based, insofar as it relates to legal matters, upon a certificate or opinion of, or representations by, counsel, unless such officer knows, or in the exercise of reasonable care should know, that the certificate or opinion or representations with respect to the matters upon which his or her certificate or opinion is based are erroneous. Any such certificate or Opinion of Counsel may be based, insofar as it relates to factual matters, upon a certificate or opinion of, or representations by, an officer or officers of the Company stating that the information with respect to such factual matters is in the possession of the Company, unless such counsel knows, or in the exercise of reasonable care should know, that the certificate or opinions or representations with respect to such matters are erroneous.

Where any Person is required to make, give or execute two or more applications, requests, consents, certificates, statements, opinions or other instruments under this Indenture, they may, but need not, be consolidated and form one instrument.

Section 1.04 *Acts of Holders.*

(a) Any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may be embodied in and evidenced by one or more instruments of substantially similar tenor signed by such Holders in person or by an agent duly appointed in writing. If Debt Securities of a series are issuable in whole or in part as Bearer Securities, any request, demand, authorization, direction, notice, consent, waiver or other action provided by this Indenture to be given or taken by Holders may, alternatively, be embodied in and evidenced by the record of Holders of Debt Securities voting in favor thereof, either in person or by proxies duly appointed in writing, at any meeting of Holders of Debt Securities duly called and held in accordance with the provisions of Article Fourteen, or a combination of such instruments and any such record. Except as herein otherwise expressly provided, such action shall become effective when such instrument or instruments or record or both are delivered to the Trustee, and, where it is hereby expressly required, to the Company. Such instrument or instruments and any such record (and the action embodied therein and evidenced thereby) are herein sometimes referred to as the "Act" of the Holders signing such instrument or instruments and so voting at any such meeting. Proof of execution of any such instrument or of a writing appointing any such agent, or the holding by any Person of a Debt Security, shall be sufficient for any purpose of this Indenture and (subject to Section 601) conclusive in favor of the Trustee and the Company, if made in the manner provided in this Section. The record of any meeting of Holders of Debt Securities shall be proved in the manner provided in Section 1406.

(b) The fact and date of the execution by any Person of any such instrument or writing may be proved in any manner which the Trustee deems sufficient.

(c) The ownership of Registered Securities shall be proved by the Security Register.

(d) The principal amount and serial numbers of Bearer Securities held by any Person, and the date of holding the same, may be proved by the production of such Bearer Securities or by a certificate executed, as depository, by any trust company, bank, banker or other depository, wherever situated, if such certificate shall be deemed by the Trustee to be satisfactory, showing that at the date therein mentioned such Person had on deposit with such depository, or exhibited to it, the Bearer Securities in the amount and with the serial numbers therein described; or such facts may be proved by the certificate or affidavit of the Person holding such Bearer Securities, if such certificate or affidavit is deemed by the Trustee to be satisfactory. The Trustee and the Company may assume that such ownership of any Bearer Security continues until (1) another certificate or affidavit bearing a later date issued in respect of the same Bearer Security is produced, or (2) such Bearer Security is produced to the Trustee by some other person, or (3) such Bearer Security is surrendered in exchange for a Registered Security, or (4) such Bearer Security is no longer Outstanding.

(e) The fact and date of execution of any such instrument or writing, the authority of the Person executing the same and the principal amount and serial numbers of Bearer Securities held by the Person so executing such instrument or writing and the date of holding the same may also be proved in any other manner which the Trustee deems sufficient; and the Trustee may in any instance require further proof with respect to any of the matters referred to in this Section.

(f) Any request, demand, authorization, direction, notice, consent, waiver or other Act of the Holder of any Debt Security shall bind every future holder of the same Debt Security and the Holder of every Debt Security issued upon the registration of transfer thereof or in exchange therefor or in lieu thereof in respect of anything done, suffered or omitted by the Trustee or the Company in reliance thereon, whether or not notation of such action is made upon such Debt Security.

(g) For purposes of determining the principal amount of Outstanding Debt Securities of any series the Holders of which are required, requested or permitted to give any request, demand, authorization, direction, notice, consent, waiver or take any other Act under this Indenture, (i) each Original Issue Discount Security shall be deemed to have the principal amount determined by the Trustee that could be declared to be due and payable pursuant to the terms of such Original Issue Discount Security as of the date there is delivered to the Trustee and, where it is hereby expressly required, to the Company, such Act by Holders of the required aggregate principal amount of the Outstanding Debt Securities of such series and (ii) each Debt Security denominated in a Foreign Currency or composite currency shall be deemed to have the principal amount determined by the Exchange Rate Agent by converting the principal amount of such Debt Security in the currency in which such Debt Security is denominated into Dollars at the Exchange Rate as of the date such Act is delivered to the Trustee and, where it is hereby expressly required, to the Company, by Holders of the required aggregate principal amount of the Outstanding Debt Securities of such series (or, if there is no such rate on such date, such rate on the date determined as specified as contemplated in Section 301).

(h) The Company may set a record date for purposes of determining the identity of Holders of Debt Securities of any series entitled to vote or consent to any action by vote or consent authorized or permitted by Section 512 or Section 513. Such record date shall be the later of 30 days prior to the first solicitation of such consent or the date of the most recent list of Holders of such Debt Securities furnished to the Trustee pursuant to Section 701 prior to such solicitation.

Section 1.05 *Notices, etc., to Trustee and Company.*

Any request, demand, authorization, direction, notice, consent, waiver or other Act of Holders or other document provided or permitted by this Indenture to be made upon, given or furnished to, or filed with,

(1) the Trustee by any Holder or by the Company shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided), if made, given, furnished or filed in writing (which may be via original or facsimile) to or with the

Trustee at its Corporate Trust Office and which shall be deemed delivered when actually received by a Responsible Officer of the Trustee, or

(2) the Company by the Trustee or by any Holder shall be sufficient for every purpose hereunder (unless otherwise herein expressly provided) if in writing and mailed, first-class postage prepaid, to the Company addressed to the attention of its Secretary at the address of its principal office specified in the first paragraph of this instrument or at any other address previously furnished in writing to the Trustee by the Company.

The Trustee agrees to accept and act upon instructions or directions pursuant to this Indenture sent by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods; *provided, however*, that (a) the party providing such electronic instructions or directions, subsequent to the transmission thereof, shall provide the originally executed instructions or directions to the Trustee in a timely manner and (b) such originally executed instructions or directions shall be signed by an authorized representative of the party providing such instructions or directions. The Trustee shall not be liable for any losses, costs or expenses arising directly or indirectly from the Trustee's reliance upon and compliance with such instructions or directions notwithstanding such instructions or directions conflict or are inconsistent with a subsequent written instruction or direction or if the subsequent written instruction or direction is never received. The party providing instructions or directions by unsecured e-mail, facsimile transmission or other similar unsecured electronic methods, as aforesaid, agrees to assume all risks arising out of the use of such electronic methods to submit instructions and directions to the Trustee, including without limitation the risk of the Trustee acting on unauthorized instructions, and the risk of interception and misuse by third parties.

Section 1.06 *Notice to Holders; Waiver.*

Except as otherwise expressly provided herein, where this Indenture provides for notice to Holders of any event, (1) such notice shall be sufficiently given to Holders of Registered Securities if in writing and mailed, first-class postage prepaid, to each Holder of a Registered Security affected by such event, at such Holder's address as it appears in the Security Register, not later than the latest date, and not earlier than the earliest date, prescribed for the giving of such notice; and (2) such notice shall be sufficiently given to Holders of Bearer Securities by publication thereof in an Authorized Newspaper in [The City of New York] and, if the Debt Securities of such series are then listed on any stock exchange outside the United States and such stock exchange shall so require, in any other required city outside the United States or, if not practicable, in Europe on a Business Day at least twice, the first such publication to be not later than the latest date and not earlier than the earliest date prescribed for the giving of such notice.

In case, by reason of the suspension of or irregularities in regular mail service or for any other reason, it shall be impossible or impracticable to mail notice of any event to Holders of Registered Securities when said notice is required to be given pursuant to any provision of this Indenture or of the Debt Securities, then any manner of giving such notice as shall be satisfactory to the Trustee shall be deemed to be a sufficient giving of such notice. In any case where notice to Holders of Registered Securities is to be given by mail, neither the failure to mail such notice, nor any defect in any notice so mailed, to any particular Holder of a Registered Security shall

affect the sufficiency of such notice with respect to other Holders of Registered Securities or the sufficiency of any notice by publication to Holders of Bearer Securities given as provided above.

In case, by reason of the suspension of publication of any Authorized Newspaper, or by reason of any other cause, it shall be impossible or impracticable to make publication of any notice to Holders of Bearer Securities as provided above, then such method of publication or notification as shall be made with the approval of the Trustee shall constitute a sufficient publication of such notice. Neither failure to give notice by publication to Holders of Bearer Securities as provided above, nor any defect in any notice so published, shall affect the sufficiency of any notice mailed to Holders of Registered Securities as provided above.

Where this Indenture provides for notice in any manner, such notice may be waived in writing by the Person entitled to receive such notice, either before or after the event, and such waiver shall be the equivalent of such notice. Waivers of notice by Holders shall be filed with the Trustee, but such filing shall not be a condition precedent to the validity of any action taken in reliance upon such waiver.

Any request, demand, authorization, direction, notice, consent, election, waiver or other Act required or permitted under this Indenture shall be in the English language, except that any published notice may be in an official language of the country of publication.

Section 1.07 *Conflict with Trust Indenture Act.*

If any provision hereof limits, qualifies or conflicts with another provision hereof which is required to be included in this Indenture by any of the provisions of the Trust Indenture Act, such required provision shall control.

Section 1.08 *Effect of Headings and Table of Contents.*

The Article and Section headings herein and the Table of Contents are for convenience only and shall not affect the construction hereof.

Section 1.09 *Successors and Assigns.*

All covenants and agreements in this Indenture by the Company shall bind its successors and assigns, whether so expressed or not.

Section 1.10 *Separability Clause.*

In case any provision in this Indenture or in the Debt Securities or any coupons shall be invalid, illegal or unenforceable, the validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired thereby.

Section 1.11 *Benefits of Indenture.*

Nothing in this Indenture or in the Debt Securities or any coupons, express or implied, shall give to any Person, other than the parties hereto and their successors hereunder, any Paying

Agent and the Holders, any benefit or any legal or equitable right, remedy or claim under this Indenture.

Section 1.12 *Governing Law.*

This Indenture and the Debt Securities and any coupons shall be governed by and construed in accordance with the laws of the State of New York.

Section 1.13 *Legal Holidays.*

In any case where any Interest Payment Date, Redemption Date, Repayment Date or Stated Maturity of any Debt Security shall not be a Business Day at any Place of Payment, then (notwithstanding any other provision of this Indenture or of the Debt Securities or coupons) payment of interest or principal (and premium, if any) need not be made at such Place of Payment on such date, but may be made on the next succeeding Business Day at such Place of Payment with the same force and effect as if made on the Interest Payment Date, Redemption Date, Repayment Date or at the Stated Maturity, and no interest shall accrue on the amount so payable for the period from and after such Interest Payment Date, Redemption Date, Repayment Date or Stated Maturity, as the case may be.

Section 1.14 *Counterparts.*

This Indenture may be executed in any number of counterparts, each of which so executed shall be deemed to be an original, but all such counterparts shall together constitute but one and the same Indenture.

Section 1.15 *Exemption from Individual Liability.*

No recourse under or upon any obligation, covenant or agreement of this Indenture, or of any Debt Security or any coupon, or for any claim based thereon or otherwise in respect thereof, shall be had against any incorporator, stockholder, officer or director, as such, past, present or future, of the Company or of any successor corporation, either directly or through the Company, whether by virtue of any constitution, statute or rule of law, or by the enforcement of any assessment or penalty or otherwise; it being expressly understood that this Indenture and the obligations issued hereunder are solely corporate obligations of the Company, and that no such personal liability whatever shall attach to, or is or shall be incurred by, the incorporators, stockholders, officers or directors, as such, of the Company or any successor corporation, or any of them, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Debt Securities or any coupon or implied therefrom; and that any and all such personal liability, either at common law or in equity or by constitution or statute, of, and any and all such rights and claims against, every such incorporator, stockholder, officer or director, as such, because of the creation of the indebtedness hereby authorized, or under or by reason of the obligations, covenants or agreements contained in this Indenture or in any of the Debt Securities or any coupon or implied, therefrom are hereby expressly waived and released as a condition of and as a consideration for, the execution of this Indenture and the issue of such Debt Securities.

ARTICLE TWO
Debt Security Forms

Section 2.01 *Forms Generally.*

The Registered Securities, if any, and the Bearer Securities and related coupons, if any, of each series shall be in substantially the form (including temporary or permanent global form) as shall be established in or pursuant to a Board Resolution or in one or more indentures supplemental hereto, in each case with such appropriate insertions, omissions, substitutions and other variations as are required or permitted by this Indenture, and may have such letters, numbers or other marks of identification and such legends or endorsements placed thereon, as may be required to comply with the rules of any securities exchange, or as may, consistently herewith, be determined by the officers executing such Debt Securities or coupons, as evidenced by their signatures on the Debt Securities or coupons. If the form of Debt Securities of any series or coupons (including any such Global Security) is established by action taken pursuant to a Board Resolution, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Company Order contemplated by Section 303 for the authentication and delivery of such Debt Securities or coupons.

Unless otherwise specified as contemplated by Section 301, Debt Securities in bearer form other than Debt Securities in temporary or permanent global form shall have coupons attached.

The definitive Debt Securities and coupons, if any, shall be printed, lithographed or engraved on steel engraved borders or may be produced in any other manner, all as determined by the officers executing such Debt Securities, as evidenced by the execution of such Debt Securities and coupons.

Section 2.02 *Form of Trustee's Certificate of Authentication.*

This is one of the Debt Securities, of the series designated herein, described in the within-mentioned Indenture.

[_____],

as Trustee

By

Authorized Signatory

Dated

Section 2.03 *Debt Securities in Global Form.*

If Debt Securities of a series are issuable in whole or in part in global form, as specified as contemplated by Section 301, then, notwithstanding clause (10) of Section 301 and the provisions of Section 302, such Global Security shall represent such of the outstanding Debt Securities of such series as shall be specified therein and may provide that it shall represent the aggregate amount of Outstanding Debt Securities from time to time endorsed thereon and that the aggregate amount of Outstanding Debt Securities represented thereby may from time to time be reduced to reflect exchanges. Any endorsement of a Global Security to reflect the amount, or

any increase or decrease in the amount, of Outstanding Debt Securities represented thereby shall be made in such manner and upon instructions given by such Person or Persons as shall be specified therein or in the Company Order to be delivered to the Trustee pursuant to Section 303 or Section 304.

The provisions of the last sentence of Section 303(g) shall apply to any Debt Securities represented by a Debt Security in global form if such Debt Security was never issued and sold by the Company and the Company delivers to the Trustee the Debt Security in global form together with written instructions (which need not comply with Section 102 and need not be accompanied by an Opinion of Counsel) with respect to the reduction in the principal amount of Debt Securities represented thereby, together with the written statement contemplated by the last sentence of Section 303(g).

Global Securities may be issued in either registered or bearer form and in either temporary or permanent form.

ARTICLE THREE
The Debt Securities

Section 3.01 *Amount Unlimited; Issuance in Series.*

The aggregate principal amount of Debt Securities which may be authenticated and delivered under this Indenture is unlimited.

The Debt Securities may be issued in one or more series. There shall be established in or pursuant to a Board Resolution, and set forth in an Officers' Certificate, or established in one or more indentures supplemental hereto, prior to the issuance of Debt Securities of any series:

- (1) the title of the Debt Securities of the series;
- (2) the limit, if any, upon the aggregate principal amount of the Debt Securities of the series which may be authenticated and delivered under this Indenture (except for Debt Securities authenticated and delivered upon registration of transfer of, or in exchange for, or in lieu of, other Debt Securities of the series pursuant to Section 304, 305, 306, 906, 1107 or 1303 and except for any Debt Securities which, pursuant to Section 303, are deemed never to have been authenticated and delivered hereunder);
- (3) the date or dates on which the principal and premium, if any, of the Debt Securities of the series are payable;
- (4) the rate or rates, if any, at which the Debt Securities of the series shall bear interest, or the method or methods by which such rate or rates may be determined, the date or dates from which such interest shall accrue, the Interest Payment Dates on which such interest shall be payable, the Regular Record Date for the interest payable on any Registered Security on any Interest Payment Date and the circumstances, if any, in which the Company may defer interest payments;

- (5) the place or places where, subject to the provisions of Section 1002, the principal of (and premium, if any) and interest on Debt Securities of the series shall be payable, any Registered Securities of the series may be surrendered for registration of transfer, Debt Securities of the series may be surrendered for exchange and notices and demands to or upon the Company in respect of the Debt Securities of the series and this Indenture may be served and where notices to Holders pursuant to Section 106 will be published;
- (6) if applicable, the period or periods within which or the date or dates on which, the price or prices at which and the terms and conditions upon which Debt Securities of the series may be redeemed, in whole or in part, at the option of the Company;
- (7) the obligation, if any, of the Company to redeem, repay or purchase Debt Securities of the series pursuant to any sinking fund or analogous provisions or at the option of a Holder thereof and the period or periods within which, the price or prices at which and the terms and conditions upon which Debt Securities of the series shall be redeemed, repaid or purchased, in whole or in part, pursuant to such obligation;
- (8) whether Debt Securities of the series are to be issuable as Registered Securities, Bearer Securities or both, whether Debt Securities of the series are to be issuable with or without coupons or both and, in the case of Bearer Securities, the date as of which such Bearer Securities shall be dated if other than the date of original issuance of the first Debt Security of such series of like tenor and term to be issued;
- (9) whether the Debt Securities of the series shall be issued in whole or in part in the form of a Global Security or Securities and, in such case, the Depository for such Global Security or Securities, whether such global form shall be permanent or temporary and, if applicable, the Global Exchange Date and Global Exchange Agent;
- (10) if Debt Securities of the series are to be issuable initially in the form of a temporary Global Security, the circumstances under which the temporary Global Security can be exchanged for definitive Debt Securities and whether the definitive Debt Securities will be Registered and/or Bearer Securities and will be in global form and whether interest in respect of any portion of such Global Security payable in respect of an Interest Payment Date prior to the Global Exchange Date shall be paid to any clearing organization with respect to a portion of such Global Security held for its account and, in such event, the terms and conditions (including any certification requirements) upon which any such interest payment received by a clearing organization will be credited to the Persons entitled to interest payable on such Interest Payment Date if other than as provided in this Article Three;
- (11) whether, and under what conditions, additional amounts will be payable to Holders of Debt Securities of the series pursuant to Section 1004;
- (12) the denominations in which any Registered Securities of the series shall be issuable, if other than denominations of \$1,000 and any integral multiple thereof, and the

denominations in which any Bearer Securities of such series shall be issuable, if other than the denomination of \$5,000;

(13) if other than the principal amount thereof, the portion of the principal amount of Debt Securities of the series which shall be payable upon declaration of acceleration of the Maturity thereof pursuant to Section 502;

(14) the currency or currencies of denomination of the Debt Securities of any series, which may be in Dollars, any Foreign Currency or any composite currency, including but not limited to the Euro, and, if any such currency of denomination is a composite currency other than the Euro, the agency or organization, if any, responsible for overseeing such composite currency;

(15) the currency or currencies in which payment of the principal of (and premium, if any) and interest on the Debt Securities will be made, the currency or currencies, if any, in which payment of the principal of (and premium, if any) or the interest on Registered Securities, at the election of each of the Holders thereof, may also be payable and the periods within which and the terms and conditions upon which such election is to be made, and the Exchange Rate and the person who shall be the Exchange Rate Agent for the Debt Securities of such series;

(16) if payments of principal of (and premium, if any) or interest on the Debt Securities of the series are to be made in a Foreign Currency other than the currency in which such Debt Securities are denominated, the manner in which the Exchange Rate with respect to such payments shall be determined;

(17) any Events of Default with respect to Debt Securities of such series, if not set forth herein;

(18) any other covenant or warranty included for the benefit of the Debt Securities of the series in addition to (and not inconsistent with) those set forth herein for the benefit of Debt Securities of all series, or any other covenant or warranty included for the benefit of Debt Securities of the series in lieu of any covenant or warranty set forth herein for the benefit of Debt Securities of all series, or any provision that any covenant or warranty set forth herein for the benefit of Debt Securities of all series shall not be for the benefit of Debt Securities of such series, or any combination of such covenants, warranties or provisions and whether the provisions of Section 1006 will not apply such covenants and warranties;

(19) the terms and conditions, if any, pursuant to which the Company's obligations under this Indenture may be terminated through the deposit of money or Eligible Instruments as provided in Articles Four and Fifteen;

(20) the Person or Persons who shall be Security Registrar for the Debt Securities of such series if other than the Trustee, and the place or places where the Security Register for such series shall be maintained and the Person or Persons who will be the initial Paying Agent or Agents, if other than the Trustee; and (21) any other terms of the series (which terms shall not be inconsistent with the provisions of this Indenture).

All Debt Securities of any one series and the coupons appertaining to Bearer Securities of such series, if any, shall be substantially identical except, in the case of Registered Securities, as to denomination and except as may otherwise be provided in or pursuant to such Board Resolution and set forth in such Officers' Certificate or in any such indenture supplemental hereto.

Debt Securities of any particular series may be issued at various times, with different dates on which the principal or any installment of principal is payable, with different rates of interest, if any, or different methods by which rates of interest may be determined, with different dates on which such interest may be payable and with different Redemption or Repayment Dates and may be denominated in different currencies or payable in different currencies.

If any of the terms of a series of Debt Securities are established by action taken pursuant to a Board Resolution, a copy of an appropriate record of such action shall be certified by the Secretary or an Assistant Secretary of the Company and delivered to the Trustee at or prior to the delivery of the Officers' Certificate setting forth the terms of the series.

Section 3.02 *Denominations.*

Debt Securities of each series shall be issuable in such form and denominations as shall be specified in the form of Debt Security for such series approved or established pursuant to Section 201 or in the Officers' Certificate delivered pursuant to Section 301. In the absence of any specification with respect to the Debt Securities of any series, the Registered Securities of such series, if any, shall be issuable in denominations of \$1,000 and any integral multiple thereof and the Bearer Securities of such series, if any, shall be issuable in denominations of \$5,000.

Section 3.03 *Execution, Authentication, Delivery and Dating.*

(a) The Debt Securities shall be executed on behalf of the Company by its Chairman of the Board, a Vice Chairman of the Board, the President or a Vice President, and by its Treasurer or one of its Assistant Treasurers or its Secretary or one of its Assistant Secretaries under its corporate seal reproduced thereon. The signature of any of these officers on the Debt Securities may be manual or facsimile. Coupons shall bear the facsimile signature of an authorized officer of the Company.

Debt Securities and coupons bearing the manual or facsimile signatures of individuals who were at any time the proper officers of the Company shall bind the Company, notwithstanding that such individuals or any of them have ceased to hold such offices prior to the authentication and delivery of such Debt Securities or coupons of any series or did not hold such offices at the date of such Debt Securities or coupons.

(b) At any time and from time to time after the execution and delivery of this Indenture, Debt Securities of any series may be executed by the Company and delivered to the Trustee for authentication, and, except as otherwise provided in this Article Three, shall thereupon be authenticated and delivered by the Trustee upon Company Order, without any further action by the Company; *provided, however*, that, in connection with its original issuance, a Bearer Security may be delivered only outside the United States and, except in the case of a temporary Global Security, only if the Company or its agent shall have received the certification

required pursuant to Sections 304(b)(iii) and (iv), unless such certification shall have been provided earlier pursuant to section 304(b)(v) hereof, and only if the Company has no reason to know that such certification is false.

To the extent authorized in or pursuant to a Board Resolution and set forth in an Officers' Certificate, or established in one or more indentures supplemental hereto, such written Company Order may be given by any one officer or employee of the Company, may be electronically transmitted, and may provide instructions as to registration of holders, principal amounts, rates of interest, maturity dates and other matters contemplated by such Board Resolution and Officers' Certificate or supplemental indenture to be so instructed in respect thereof. Before authorizing and delivering the first Debt Securities of any series (and upon request of the Trustee thereafter), the Company shall deliver to the Trustee (i) the certificates called for under Sections 201 and 301 hereof and (ii) an Opinion of Counsel described in the next sentence.

In authenticating such Debt Securities, and accepting the additional responsibilities under this Indenture in relation to any such Debt Securities, the Trustee shall be entitled to receive, prior to the initial authentication of such Debt Securities, and (subject to Section 601) shall be fully protected in relying upon:

- (i) a Board Resolution relating thereto and, if applicable, an appropriate record of any action taken pursuant to such resolution certified by the Secretary or an Assistant Secretary of the Company;
- (ii) an executed supplemental indenture, if any, relating thereto;
- (iii) an Officers' Certificate setting forth the form and terms of the Debt Securities of such series and coupons, if any, pursuant to Sections 201 and 301 and stating that all conditions precedent provided for in this Indenture relating to the issuance of such Debt Securities have been complied with; and (iv) an Opinion of Counsel stating
 - (A) that the form of such Debt Securities and coupons, if any, has been established in or pursuant to a Board Resolution or by a supplemental indenture as permitted by Section 201 in conformity with the provisions of this Indenture;
 - (B) that the terms of such Debt Securities and coupons, if any, have been established in or pursuant to a Board Resolution or by a supplemental indenture as permitted by Section 301 in conformity with the provisions of this Indenture; and
 - (C) that such Debt Securities and coupons, if any, when authenticated and delivered by the Trustee and issued by the Company in the manner and subject to any conditions specified in such Opinion of Counsel, will constitute legal, valid and binding obligations of the Company, enforceable in accordance with their terms, subject, as to enforcement of remedies, to applicable bankruptcy, reorganization, insolvency, moratorium or other laws affecting creditors' rights generally and the application of general principles of equity and except further as enforcement thereof may be limited by (i) requirements that a claim with respect to any Debt Securities denominated other than in Dollars (or a Foreign Currency

or currency unit judgment in respect of such claim) be converted into Dollars at a rate of exchange prevailing on a date determined pursuant to applicable law or (ii) governmental authority to limit, delay or prohibit the making of payments in Foreign Currencies or currency units or payments outside the United States.

(c) If the Company shall establish pursuant to Section 301 that the Debt Securities of a series are to be issued in whole or in part in the form of one or more Global Securities, then the Company shall execute and the Trustee shall, in accordance with this Section and the Company Order with respect to such series, authenticate and deliver one or more Global Securities in permanent or temporary form that (i) shall represent and shall be denominated in an aggregate amount equal to the aggregate principal amount of the Outstanding Debt Securities of such series to be represented by one or more Global Securities, (ii) shall be registered in the name of the Depository for such Global Security or Securities or the nominee of such Depository and (iii) shall be delivered by the Trustee to such Depository or pursuant to such Depository's instructions.

(d) The Trustee shall have the right to decline to authenticate and deliver any Debt Securities under this Section 303 if the issuance of such Debt Securities will adversely affect the Trustee's own rights, duties or immunities under the Debt Securities and this Indenture or otherwise in a manner which is not reasonably acceptable to the Trustee.

(e) If all the Debt Securities of any series are not to be issued at one time, it shall not be necessary to deliver an Opinion of Counsel at the time of issuance of each Debt Security, but such Opinion of Counsel, with appropriate modifications, may instead be delivered at or prior to the time of the first issuance of Debt Securities of such series.

(f) Each Registered Security shall be dated the date of its authentication. Each Bearer Security shall be dated as of the date specified as contemplated by Section 301.

(g) No Debt Security or coupon attached thereto shall be entitled to any benefit under this Indenture or be valid or obligatory for any purpose, unless there appears on such Debt Security a certificate of authentication substantially in the form provided for herein executed by the Trustee, and such certificate upon any Debt Security shall be conclusive evidence, and the only evidence, that such Debt Security has been duly authenticated and delivered hereunder. Except as permitted by Section 306, the Trustee shall not authenticate and deliver any Bearer Security unless all related coupons for interest then matured have been detached and cancelled. Notwithstanding the foregoing, if any Debt Security or portion thereof shall have been duly authenticated and delivered hereunder but never issued and sold by the Company, and the Company shall deliver such Debt Security to the Trustee for cancellation as provided in Section 309 together with a written statement (which need not comply with Section 102 and need not be accompanied by an Opinion of Counsel) stating that such Debt Security or portion thereof has never been issued and sold by the Company, for all purposes of this Indenture such Debt Security shall be deemed never to have been authenticated and delivered hereunder and shall never be entitled to the benefits of this Indenture.

(h) Each Depository designated pursuant to Section 301 for a Global Security in registered form must, at the time of its designation and at all times while it serves as

Depository, be a clearing agency registered under the Exchange Act and any other applicable statute or regulation.

Section 3.04 *Temporary Debt Securities.*

(a) Pending the preparation of definitive Debt Securities of any series, the Company may execute, and upon receipt of documents required by Sections 301 and 303, together with a Company Order, the Trustee shall authenticate and deliver, temporary Debt Securities which are printed, lithographed, typewritten, mimeographed or otherwise produced, in any denomination, substantially of the tenor and terms of the definitive Debt Securities in lieu of which they are issued in registered form or, if authorized, in bearer form with one or more coupons or without coupons, and with such appropriate insertions, omissions, substitutions and other variations as the officers executing such Debt Securities may determine, as evidenced by their signatures on such Debt Securities. In the case of Debt Securities of any series issuable as Bearer Securities, such temporary Debt Securities may be in global form, representing all or any part of the Outstanding Debt Securities of such series.

(b) Unless otherwise provided pursuant to Section 301:

(i) Except in the case of temporary Debt Securities in global form, if temporary Debt Securities of any series are issued, the Company will cause definitive Debt Securities of such series to be prepared without unreasonable delay. After the preparation of definitive Debt Securities of such series, the related temporary Debt Securities shall be exchangeable for such definitive Debt Securities upon surrender of the temporary Debt Securities of such series at the office or agency of the Company in the Place of Payment for such series, without charge to the Holder. Upon surrender for cancellation of any one or more temporary Debt Securities of any series (accompanied, if applicable, by all unmatured coupons and all matured coupons in default appertaining thereto), the Company shall execute and the Trustee shall authenticate and deliver in exchange therefor a like principal amount of definitive Debt Securities of the same series of like tenor and terms and of authorized denominations; *provided, however*, that no Bearer Security shall be delivered in exchange for a Registered Security; and *provided, further*, that a Bearer Security shall be delivered in exchange for a Bearer Security only in compliance with the conditions set forth in Section 305.

(ii) If Debt Securities of any series are issued in temporary global form, any such temporary Global Security shall, unless otherwise provided pursuant to Section 301, be delivered to the Depository for the benefit of Euroclear and Clearstream, for credit to the respective accounts of the beneficial owners of such Debt Securities (or to such other accounts as they may direct).

(iii) Without unnecessary delay but in any event not later than the date specified in, or determined pursuant to the terms of, any such temporary Global Security (the "Global Exchange Date"), the Company shall deliver definitive Debt Securities to the Trustee or the agent appointed by the Company pursuant to Section 301 to effect the exchange of the temporary Global Security for definitive Debt Securities (the "Global Exchange Agent"), in an aggregate principal amount equal to the principal amount of

such temporary Global Security, executed by the Company. On or after the Global Exchange Date, such temporary Global Security shall be surrendered by the Depository to the Global Exchange Agent, to be exchanged, in whole or from time to time in part, for definitive Debt Securities without charge and the Trustee or the Global Exchange Agent, if authorized by the Trustee pursuant to Section 614, shall authenticate and deliver, in exchange for each portion of such temporary Global Security, an equal aggregate principal amount of definitive Debt Securities of the same series of authorized denominations and of like tenor and terms as the portion of such temporary Global Security to be exchanged. Upon any exchange of a part of such temporary Global Security for definitive Debt Securities, the portion of the principal amount and any interest thereon so exchanged shall be endorsed by the Global Exchange Agent on a schedule to such temporary Global Security, whereupon the principal amount and interest payable with respect to such temporary Global Security shall be reduced for all purposes by the amount so exchanged and endorsed. The definitive Debt Securities to be delivered in exchange for any such temporary Global Security shall be in bearer form, registered form, global registered form or global bearer form, or any combination thereof, as specified as contemplated by Section 301, and, if any combination thereof is so specified, as requested by the beneficial owner thereof; *provided, however*, that, in the case of the exchange of the temporary Global Security for definitive Bearer Securities (including a definitive Global Bearer Security), upon such presentation by the Depository, such temporary Global Security shall be accompanied by a certificate signed by Euroclear as to the portion of such temporary Global Security held for its account then to be exchanged and a certificate signed by Clearstream as to the portion of such temporary Global Security held for its account then to be exchanged, each in the form set forth in Exhibit B to this Indenture, unless such certificate(s) shall have been provided earlier pursuant to section 304(b)(v) hereof; and *provided, further*, that definitive Bearer Securities (including a definitive Global Bearer Security) shall be delivered in exchange for a portion of a temporary Global Security only in compliance with the requirements of Section 303.

(iv) The interest of a beneficial owner of Debt Securities of a series in a temporary Global Security shall be exchanged for definitive Debt Securities of the same series and of like tenor and terms following the Global Exchange Date when the account holder instructs Euroclear or Clearstream, as the case may be, to request such exchange on such account holder's behalf and, in the case of the exchange of the temporary Global Security for definitive Bearer Securities (including a definitive Global Bearer Security), unless such certificate(s) shall have been provided earlier pursuant to Section 304(b)(v) hereof, the account holder delivers to Euroclear or Clearstream, as the case may be, a certificate in the form set forth in Exhibit A-1 and, if applicable, A-2 to this Indenture, dated no earlier than 15 days prior to the Global Exchange Date, copies of which certificate shall be available from the offices of Euroclear and Clearstream, the Global Exchange Agent, any authenticating agent appointed for such series of Debt Securities and each Paying Agent. Unless otherwise specified in such temporary Global Security, any such exchange shall be made free of charge to the beneficial owners of such temporary Global Security, except that a Person receiving definitive Debt Securities must bear the cost of insurance, postage, transportation and the like in the event that such Person does not take delivery of such definitive Debt Securities in person at the offices of

Euroclear and Clearstream. Definitive Debt Securities in bearer form to be delivered in exchange for any portion of a temporary Global Security shall be delivered only outside the United States.

(v) Until exchanged in full as hereinabove provided, the temporary Debt Securities of any series shall in all respects be entitled to the same benefits under this Indenture as definitive Debt Securities of the same series and of like tenor and terms authenticated and delivered hereunder, except that interest payable on a temporary Global Security on an Interest Payment Date shall be payable to Euroclear and Clearstream on such Interest Payment Date only if there has been delivered by Euroclear and Clearstream to the Global Exchange Agent a certificate or certificates in the form set forth in Exhibit B to this Indenture dated no earlier than the first Interest Payment Date, for credit without further interest on or after such Interest Payment Date to the respective accounts of the Persons who are the beneficial owners of such temporary Global Security on such Interest Payment Date and who have each delivered to Euroclear or Clearstream, as the case may be, a certificate in the form set forth in Exhibit A-1 and, if applicable, A-2 to this Indenture dated no earlier than the first Interest Payment Date. Any interest so received by Euroclear and Clearstream and not paid as herein provided prior to the Global Exchange Date shall be returned to the Global Exchange Agent which, upon expiration of two years after such Interest Payment Date, shall repay such interest to the Company in accordance with Section 1003.

Section 3.05 *Registration; Registration of Transfer and Exchange.*

The Company shall cause to be kept at one of the offices or agencies to be maintained by the Company in accordance with the provisions of this Section 305 and Section 1002, with respect to the Debt Securities of each series which are Registered Securities, a register (herein sometimes referred to as the "Security Register") in which, subject to such reasonable regulations as it may prescribe, the Company shall provide for the registration of Registered Securities and of transfers of Registered Securities. Pursuant to Section 301, the Company shall appoint, with respect to Debt Securities of each series which are Registered Securities, a "Security Registrar" for the purpose of registering such Debt Securities and transfers and exchanges of such Debt Securities as herein provided.

Upon surrender for registration of transfer of any Registered Security of any series at the office or agency of the Company maintained for such purpose, the Company shall execute, and the Trustee shall authenticate and deliver, in the name of the designated transferee or transferees, one or more new Registered Securities of the same series of any authorized denomination or denominations, of like tenor and terms and aggregate principal amount.

At the option of the Holder, Registered Securities of any series may be exchanged for other Registered Securities of the same series of any authorized form and denomination, of like tenor and terms and aggregate principal amount, upon surrender of the Registered Securities to be exchanged at such office or agency. Bearer Securities may not be delivered in exchange for Registered Securities.

At the option of the Holder, Registered Securities or Bearer Securities of any series may be issued in exchange for Bearer Securities (except as otherwise specified as contemplated by Section 301 with respect to a Bearer Security in global form) of the same series, of any authorized denominations and of like tenor and terms and aggregate principal amount, upon surrender of the Bearer Securities to be exchanged at any such office or agency, with all unmatured coupons and all matured coupons in default thereto appertaining. If the Holder of a Bearer Security is unable to produce any such unmatured coupon or coupons or matured coupon or coupons in default, such exchange may be effected if the Bearer Securities are accompanied by payment in funds acceptable to the Company and the Trustee in an amount equal to the face amount of such missing coupon or coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Security shall surrender to any Paying Agent any such missing coupon in respect of which such a payment shall have been made, such Holder shall be entitled to receive the amount of such payment; *provided, however*, that, except as otherwise provided in Section 1002, interest represented by coupons shall be payable only upon presentation and surrender of those coupons at an office or agency located outside the United States. Notwithstanding the foregoing, in case a Bearer Security of any series is surrendered at any such office or agency in exchange for a Registered Security of the same series and like tenor and terms after the close of business at such office or agency on (i) any Regular Record Date and before the opening of business at such office or agency on the relevant Interest Payment Date, or (ii) any Special Record Date and before the opening of business at such office or agency on the related date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment Date or proposed date of payment, as the case may be.

Whenever any Debt Securities are so surrendered for exchange, the Company shall execute, and the Trustee shall authenticate and deliver, the Debt Securities which the Holder making the exchange is entitled to receive.

If at any time the Depositary for the Debt Securities of a series notifies the Company that it is unwilling or unable to continue as Depositary for the Debt Securities of such series or if at any time the Depositary for the Debt Securities of such series shall no longer be eligible under Section 303(h), the Company shall appoint a successor Depositary with respect to the Debt Securities of such series. If a successor Depositary for the Debt Securities of such series is not appointed by the Company within 90 days after the Company receives such notice or becomes aware of such ineligibility, the Company's election pursuant to Section 301(9) shall no longer be effective with respect to the Debt Securities of such series and the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive Debt Securities of such series, will authenticate and deliver, Debt Securities of such series in definitive form in an aggregate principal amount equal to the principal amount of the Global Security or Securities representing such series in exchange for such Global Security or Securities.

The Company may at any time and in its sole discretion determine that the Debt Securities of any series issued in the form of one or more Global Securities shall no longer be represented by such Global Security or Securities. In such event the Company will execute, and the Trustee, upon receipt of a Company Order for the authentication and delivery of definitive

Debt Securities of such series, will authenticate and deliver, Debt Securities of such series in definitive form and in an aggregate principal amount equal to the principal amount of the Global Security or Securities representing such series in exchange for such Global Security or Securities.

If specified by the Company pursuant to Section 301 with respect to a series of Debt Securities, the Depositary for such series of Debt Securities may surrender a Global Security for such series of Debt Securities in exchange in whole or in part for Debt Securities of such series of like tenor and terms and in definitive form on such terms as are acceptable to the Company and such Depositary. Thereupon, the Company shall execute, and the Trustee shall authenticate and deliver, without charge to any Holder,

(a) to each Person specified by such Depositary a new Debt Security or Securities of the same series, of like tenor and terms and of any authorized denominations as requested by such person in aggregate principal amount equal to and in exchange for such Person's beneficial interest in the Global Security; and

(b) to such Depositary a new Global Security of like tenor and terms and in a denomination equal to the difference, if any, between the principal amount of the surrendered Global Security and the aggregate principal amount of Debt Securities delivered to Holders thereof.

In any exchange provided for in any of the preceding three paragraphs, the Company will execute and the Trustee will authenticate and deliver Debt Securities (a) in definitive registered form in authorized denominations, if the Debt Securities of such series are issuable as Registered Securities, (b) in definitive bearer form in authorized denominations, with coupons attached, if the Debt Securities of such series are issuable as Bearer Securities or (c) as either Registered or Bearer Securities, as shall be specified by the beneficial owner thereof, if the Debt Securities of such series are issuable in either form; *provided, however*, that no definitive Bearer Security shall be delivered in exchange for a temporary Global Security unless the Company or its agent shall have received from the person entitled to receive the definitive Bearer Security a certificate substantially in the form set forth in Exhibit A-1 and, if applicable, A-2 hereto; and *provided further* that delivery of a Bearer Security shall occur only outside the United States; and *provided further* that no definitive Bearer Security will be issued if the Company has reason to know that any such certificate is false.

Upon the exchange of a Global Security for Debt Securities in definitive form, such Global Security shall be cancelled by the Trustee. Registered Securities issued in exchange for a Global Security pursuant to this Section shall be registered in such names and in such authorized denominations as the Depositary for such Global Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee. The Trustee shall deliver such Registered Securities to the persons in whose names such Debt Securities are so registered. The Trustee shall deliver Bearer Securities issued in exchange for a Global Security pursuant to this Section to the persons, and in such authorized denominations, as the Depositary for such Global Security, pursuant to instructions from its direct or indirect participants or otherwise, shall instruct the Trustee; *provided, however*, that no definitive Bearer Security shall be delivered in exchange for a temporary Global Security unless the Company or its agent shall have received

from the person entitled to receive the definitive Bearer Security a certificate substantially in the form set forth in Exhibit A-1 and, if applicable, A-2 hereto; and *provided further* that delivery of a Bearer Security shall occur only outside the United States; and *provided further* that no definitive Bearer Security will be issued if the Company has reason to know that any such certificate is false.

All Debt Securities issued upon any registration of transfer or exchange of Debt Securities shall be the valid obligations of the Company, evidencing the same debt, and entitled to the same benefits under this Indenture, as the Debt Securities surrendered upon such registration of transfer or exchange.

Every Registered Security presented or surrendered for registration of transfer or for exchange shall (if so required by the Company, the Security Registrar or the Trustee) be duly endorsed, or be accompanied by a written instrument of transfer in form satisfactory to the Company, the Security Registrar and the Trustee duly executed, by the Holder thereof or such Holder's attorney duly authorized in writing.

No charge to any Holder shall be made for any registration of transfer or exchange of Debt Securities, but the Company may require payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in connection with any transfer, registration of transfer or exchange of Debt Securities, other than exchanges expressly provided in this Indenture to be made at the Company's own expense or without expense or without charge to the Holders.

The Company shall not be required (i) to issue, register the transfer of or exchange Debt Securities of any particular series to be redeemed for a period of fifteen days preceding the first publication of the relevant notice of redemption or, if Registered Securities are outstanding and there is no publication, the mailing of the relevant notice of redemption of Debt Securities of such series selected for redemption under Section 1103 and ending at the close of business on the day of such mailing, or (ii) to register the transfer of or exchange any Registered Security so selected for redemption in whole or in part, except the unredeemed portion of such Registered Security being redeemed in part, or (iii) to exchange any Bearer Security so selected for redemption except that such a Bearer Security may be exchanged for a Registered Security of like tenor and terms of that series, *provided* that such Registered Security shall be simultaneously surrendered for redemption.

Notwithstanding anything herein to the contrary, the exchange of Bearer Securities into Registered Securities shall be subject to applicable laws and regulations in effect at the time of exchange; neither the Company, the Trustee nor the Security Registrar shall exchange any Bearer Securities into Registered Securities if it has received an Opinion of Counsel that as a result of such exchanges the Company would suffer adverse consequences under the United States Federal income tax laws and regulations then in effect and the Company has delivered to the Trustee a Company Order directing the Trustee not to make such exchanges thereafter unless and until the Trustee receives a subsequent Company Order to the contrary. The Company shall deliver copies of such Company Orders to the Security Registrar.

Section 3.06 *Mutilated, Destroyed, Lost and Stolen Debt Securities.*

If (i) any mutilated Debt Security or a Bearer Security with a mutilated coupon appertaining to it is surrendered to a Paying Agent outside the United States designated by the Company, or, in the case of any Registered Security, to the Trustee, or (ii) the Company and the Trustee receive evidence to their satisfaction of the destruction, loss or theft of any Debt Security or coupon, and there is delivered to the Company and the Trustee such security or indemnity as may be required by them to save each of them harmless, then, in the absence of notice to the Company and the Trustee that such Debt Security or coupon has been acquired by a bona fide purchaser, the Company shall execute and upon its written request the Trustee shall authenticate and deliver, in exchange for any such mutilated Debt Security or Bearer Security with a mutilated coupon appertaining to it or to which a destroyed, lost or stolen coupon appertains (with all related coupons not destroyed, lost or stolen) or in lieu of any such destroyed, lost or stolen Debt Security, a new Debt Security of like tenor and terms and principal amount, bearing a number not contemporaneously outstanding, with coupons corresponding to the coupons, if any, appertaining to such destroyed, lost or stolen Debt Security or to the Debt Security to which such destroyed, lost or stolen coupon appertains; *provided, however,* that any such new Bearer Security will be delivered only in compliance with the conditions set forth in Section 305.

In case any such mutilated, destroyed, lost or stolen Debt Security or coupon has become or is about to become due and payable, the Company in its discretion may, instead of issuing a new Debt Security, pay such Debt Security or coupon; *provided, however,* that payment of principal of (and premium, if any) and any interest on Bearer Securities shall, except as otherwise provided in Section 1002, be payable only at an office or agency located outside the United States; and *provided, further,* that, with respect to any such coupons, interest represented thereby (but not any additional amounts payable as provided in Section 1004), shall be payable only upon presentation and surrender of the coupons appertaining thereto.

Upon the issuance of any new Debt Security or coupons under this Section, the Company may require the payment of a sum sufficient to cover any tax or other governmental charge that may be imposed in relation thereto and any other expenses (including the fees and expenses of the Trustee and printing expenses) connected therewith.

Every new Debt Security of any series, with its coupons, if any, issued pursuant to this Section in lieu of any destroyed, lost or stolen Debt Security, or in exchange for a Bearer Security to which a destroyed, lost or stolen coupon appertains, shall constitute an original additional contractual obligation of the Company, whether or not the destroyed, lost or stolen Debt Security and its coupons, if any, or the destroyed, lost or stolen coupon shall be at any time enforceable by anyone, and any such new Debt Security and coupons, if any, shall be entitled to all the benefits of this Indenture equally and proportionately with any and all other Debt Securities of that series and their coupons, if any, duly issued hereunder.

The provisions of this Section are exclusive and shall preclude (to the extent lawful) all other rights and remedies with respect to the replacement or payment of mutilated, destroyed, lost or stolen Debt Securities or coupons.

Section 3.07 Payment of Interest; Interest Rights Preserved.

Interest on any Registered Security which is payable, and is punctually paid or duly provided for, on any Interest Payment Date shall be paid to the Person in whose name that Registered Security (or one or more Predecessor Securities) is registered at the close of business on the Regular Record Date for such interest. In case a Bearer Security of any series is surrendered in exchange for a Registered Security of such series after the close of business (at an office or agency in a Place of Payment for such series) on any Regular Record Date and before the opening of business (at such office or agency) on the next succeeding Interest Payment Date, such Bearer Security shall be surrendered without the coupon relating to such Interest Payment Date and interest will not be payable on such Interest Payment Date in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture. At the option of the Company, payment of interest on any Registered Security may be made by check in the currency designated for such payment pursuant to the terms of such Registered Security mailed to the address of the Person entitled thereto as such address shall appear in the Security Register or by wire transfer to an account in such currency designated by such Person in writing not later than ten days prior to the date of such payment.

Any interest on any Registered Security of any series which is payable, but is not punctually paid or duly provided for, on any Interest Payment Date (herein called "Defaulted Interest") shall forthwith cease to be payable to the registered Holder on the relevant Regular Record Date by virtue of his having been such Holder, and such Defaulted Interest may be paid by the Company, at its election in each case, as provided in Clause (1) or (2) below:

(1) The Company may elect to make payment of any Defaulted Interest to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on a Special Record Date for the payment of such Defaulted Interest, which shall be fixed in the following manner. The Company shall notify the Trustee in writing of the amount of Defaulted Interest proposed to be paid on each Registered Security of such series and the date of the proposed payment, and at the same time the Company shall deposit with the Trustee an amount of money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holder of such Registered Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be equal to the aggregate amount proposed to be paid in respect of such Defaulted Interest or shall make arrangements satisfactory to the Trustee for such deposit prior to the date of the proposed payment, such money and/or Eligible Instruments when deposited to be held in trust for the benefit of the Persons entitled to such Defaulted Interest as in this Clause provided. Thereupon the Trustee shall fix a Special Record Date for the payment of such Defaulted Interest which shall be not more than 15 days and not less than 10 days prior to the date of the proposed payment and not less than 10 days after the receipt by the Trustee of the written notice of the proposed payment. The Trustee shall promptly notify the Company of such Special Record Date. Unless the Trustee is acting as the Security Registrar, promptly after such Special Record Date, the Company shall furnish the Trustee with a list, or shall make arrangements satisfactory to the Trustee with respect thereto, of the names and addresses of, and

principal amounts of Registered Securities of such series held by, the Holders appearing on the Security Register at the close of business on such Special Record Date. In the name and at the expense of the Company, the Trustee shall cause notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor to be mailed, first-class postage prepaid, to each Holder of Registered Securities of such series at his address as it appears in the Security Register, not less than 10 days prior to such Special Record Date. Notice of the proposed payment of such Defaulted Interest and the Special Record Date therefor having been mailed as aforesaid, such Defaulted Interest shall be paid to the Persons in whose names the Registered Securities of such series (or their respective Predecessor Securities) are registered at the close of business on such Special Record Date and shall no longer be payable pursuant to the following Clause (2). In case a Bearer Security of any series is surrendered at the office or agency in a Place of Payment for such series in exchange for a Registered Security of such series after the close of business at such office or agency on any Special Record Date and before the opening of business at such office or agency on the related proposed date for payment of Defaulted Interest, such Bearer Security shall be surrendered without the coupon relating to such proposed date of payment and Defaulted Interest will not be payable on such proposed date of payment in respect of the Registered Security issued in exchange for such Bearer Security, but will be payable only to the Holder of such coupon when due in accordance with the provisions of this Indenture.

(2) The Company may make payment of any Defaulted Interest on the Registered Securities of any series in any other lawful manner not inconsistent with the requirements of any securities exchange on which the Registered Securities may be listed, and upon such notice as may be required by such exchange, if, after notice given by the Company to the Trustee of the proposed payment pursuant to this Clause, such manner of payment shall be deemed practicable by the Trustee.

Subject to the foregoing provisions of this Section, each Debt Security delivered under this Indenture upon registration of transfer of or in exchange for or in lieu of any other Debt Security shall carry the rights to interest accrued and unpaid, and to accrue, which were carried by such other Debt Security.

Subject to the limitations set forth in Section 1002, the Holder of any coupon appertaining to a Bearer Security shall be entitled to receive the interest payable on such coupon upon presentation and surrender of such coupon on or after the Interest Payment Date of such coupon at an office or agency maintained for such purpose pursuant to Section 1002.

Section 3.08 *Persons Deemed Owners.*

Prior to due presentment of a Registered Security for registration of transfer, the Company, the Trustee and any agent of the Company or of the Trustee may treat the Person in whose name such Registered Security is registered as the owner of such Registered Security for the purpose of receiving payment of principal of (and premium, if any) and (subject to Section 307) interest on such Registered Security and for all other purposes whatsoever, whether or not such Registered Security be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

The Company, the Trustee and any agent of the Company or the Trustee may treat the bearer of any Bearer Security and the bearer of any coupon as the absolute owner of such Bearer Security or coupon for the purpose of receiving payment thereof or on account thereof and for all other purposes whatsoever, whether or not such Bearer Security or coupon be overdue, and neither the Company, the Trustee nor any agent of the Company or the Trustee shall be affected by notice to the contrary.

None of the Company, the Trustee, any Paying Agent or the Security Registrar will have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests of a Global Security or for maintaining, supervising or reviewing any records relating to such beneficial ownership interests.

Section 3.09 *Cancellation.*

Unless otherwise provided with respect to a series of Debt Securities, all Debt Securities and coupons surrendered for payment, redemption, repayment, transfer, exchange or credit against any sinking fund payment pursuant to this Indenture, shall, if surrendered to the Company or any agent of the Company, be delivered to the Trustee and shall be promptly cancelled by it. The Company may at any time deliver to the Trustee for cancellation any Debt Securities previously authenticated and delivered hereunder which the Company may have acquired in any manner whatsoever, and all Debt Securities so delivered shall be promptly cancelled by the Trustee. No Debt Securities shall be authenticated in lieu of or in exchange for any Debt Securities cancelled as provided in this Section, except as expressly permitted by this Indenture. All cancelled Debt Securities and coupons held by the Trustee shall be destroyed and certification of their destruction delivered to the Company unless by a Company Order the Company shall direct that the cancelled Debt Securities or coupons be returned to it.

Section 3.10 *Computation of Interest.*

Except as otherwise specified as contemplated by Section 301 for Debt Securities of any series, interest on the Debt Securities of each series shall be computed on the basis of a 360-day year of twelve 30-day months.

Section 3.11 *Certification by a Person Entitled to Delivery of a Bearer Security.*

Whenever any provision of this Indenture or a Debt Security contemplates that certification be given by a Person entitled to delivery of a Bearer Security, such certification shall be provided substantially in the form of Exhibit A-1 and, if applicable, A-2 hereto, with only such changes as shall be approved by the Company and consented to by the Trustee whose consent shall not unreasonably be withheld.

Section 3.12 *Judgments.*

The Company may provide, pursuant to Section 301, for the Debt Securities of any series that, to the fullest extent possible under applicable law and except as may otherwise be specified as contemplated in Section 301, (a) the obligation, if any, of the Company to pay the principal of (and premium, if any) and interest on the Debt Securities of any series and any related coupons in a Foreign Currency, composite currency or Dollars (the "Designated Currency") as may be

specified pursuant to Section 301 is of the essence and that judgments in respect of such Debt Securities shall be given in the Designated Currency; (b) the obligation of the Company to make payments in the Designated Currency of the principal of (and premium, if any) and interest on such Debt Securities and any related coupons shall, notwithstanding any payment in any other currency (whether pursuant to a judgment or otherwise), be discharged only to the extent of the amount in the Designated Currency that the Holder receiving such payment may, in accordance with normal banking procedures, purchase with the sum paid in such other currency (after any premium and cost of exchange) in the country of issue of the Designated Currency in the case of Foreign Currency or Dollars or in the international banking community in the case of a composite currency on the Business Day immediately following the day on which such Holder receives such payment; (c) if the amount in the Designated Currency that may be so purchased for any reason falls short of the amount originally due, the Company shall pay such additional amounts as may be necessary to compensate for such shortfall; and (d) any obligation of the Company not discharged by such payment shall be due as a separate and independent obligation and, until discharged as provided herein, shall continue in full force and effect.

ARTICLE FOUR **Satisfaction and Discharge**

Section 4.01 *Satisfaction and Discharge of Indenture.*

This Indenture shall upon Company Request cease to be of further effect, including the provisions of Article Sixteen hereof (except as to any surviving rights of registration of transfer or exchange of Debt Securities herein expressly provided for and rights to receive payments of principal and interest thereon and any right to receive additional amounts, as provided in Section 1004) and the Trustee, at the expense of the Company, shall execute proper instruments acknowledging satisfaction and discharge of this Indenture when

(1) either

(A) all Debt Securities theretofore authenticated and delivered and all coupons appertaining thereto (other than (i) coupons appertaining to Bearer Securities surrendered in exchange for Registered Securities and maturing after such exchange, surrender of which is not required or has been waived as provided in Section 305, (ii) Debt Securities and coupons which have been destroyed, lost or stolen and which have been replaced or paid as provided in Section 306, (iii) coupons appertaining to Bearer Securities called for redemption or surrendered for repayment and maturing after the relevant Redemption Date or Repayment Date, as appropriate, surrender of which has been waived as provided in Section 1106 or 1303 and (iv) Debt Securities and coupons for whose payment money and/or Eligible Instruments have theretofore been deposited in trust or segregated and held in trust by the Company and thereafter repaid to the Company or discharged from such trust, as provided in Section 1003) have been delivered to the Trustee cancelled or for cancellation; or

(B) all such Debt Securities not theretofore delivered to the Trustee for cancellation

(ii) have become due and payable, or (ii) will become due and payable at their Stated Maturity within one year, or

(iii) are to be called for redemption within one year under arrangements satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company, and the Company, in the case of (B)(i), (B)(ii) or (B)(iii) above, has irrevocably deposited or caused to be deposited with the Trustee as trust funds in trust for the purpose money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay and discharge the entire indebtedness on such Debt Securities and coupons of such series for principal (and premium, if any) and interest, and any mandatory sinking fund, repayment or analogous payments thereon, on the scheduled due dates therefor to the date of such deposit (in the case of Debt Securities and coupons which have become due and payable) or to the Stated Maturity or Redemption Date, if any, and all Repayment Dates (in the case of Debt Securities repayable at the option of the Holders thereof); *provided, however*, that in the event a petition for relief under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law is filed with respect to the Company within 91 days after the deposit, the obligations of the Company under the Indenture with respect to the Debt Securities of such series shall not be deemed terminated or discharged, and in such event the Trustee shall be required to return the deposited money and Eligible Instruments then held by the Trustee to the Company;

(2) the Company has paid or caused to be paid all other sums payable hereunder by the Company; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of this Indenture have been complied with.

Notwithstanding the satisfaction and discharge of this Indenture, the obligations of the Company to the Trustee under Section 607 and, if money or Eligible Instruments shall have been deposited with the Trustee pursuant to Subclause (B) of Clause (1) of this Section, the obligations of the Trustee under Section 402 and the last paragraph of Section 1003 shall survive such satisfaction and discharge.

Section 4.02 *Application of Trust Money and Eligible Instruments.*

(a) Subject to the provisions of the last paragraph of Section 1003, all money and Eligible Instruments deposited with the Trustee pursuant to Section 401, 403 or 1501 shall be held in trust and such money and the principal and interest received on such Eligible Instruments shall be applied by it, in accordance with the provisions of the Debt Securities, any coupons and this Indenture, to the payment, either directly or through any Paying Agent (including the Company acting as its own Paying Agent) as the Trustee may determine, to the

Persons entitled thereto, of the principal (and premium, if any) and interest for whose payment such money or Eligible Instruments have been deposited with the Trustee.

(b) The Trustee shall deliver or pay to the Company from time to time upon Company Request any Eligible Instruments or money held by it as provided in Section 403 or 1501 which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, are then in excess of the amount thereof which then would have been required to be deposited for the purpose for which such Eligible Instruments or money were deposited or received.

(c) The Trustee shall deliver to the Company from time to time upon Company Request any Eligible Instruments held by it as provided in Section 403 or 1501, provided that the Company in substitution therefor simultaneously delivers to the Trustee, money or other Eligible Instruments which, in the opinion of a nationally recognized firm of independent public accountants expressed in a written certification thereof delivered to the Trustee, would then be sufficient to satisfy the Company's payment obligations in respect of the Debt Securities in the manner contemplated by Section 403 or 1501.

Section 4.03 *Satisfaction, Discharge and Defeasance of Debt Securities of any Series.*

If this Section 403 is specified, as contemplated by Section 301, to be applicable to Debt Securities of any series, then, notwithstanding Section 401, (i) the Company shall be deemed to have paid and discharged the entire indebtedness on all the Outstanding Debt Securities of any such series and related coupons; (ii) the provisions of this Indenture as it relates to such Outstanding Debt Securities and related coupons shall no longer be in effect, including the provisions of Article Sixteen hereof (except as to the rights of Holders of Debt Securities to receive, from the trust fund described in subparagraph (1) below, payment of (x) the principal of (and premium, if any) and any installment of principal of (and premium, if any) or interest on such Debt Securities and related coupons on the Stated Maturity of such principal (and premium, if any) or installment of principal (and premium, if any) or interest or (y) any mandatory sinking fund, repayment or analogous payments applicable to the Debt Securities of that series on that day on which such payments are due and payable in accordance with the terms of this Indenture and of such Debt Securities, the Company's obligations with respect to such Debt Securities under Sections 304, 305, 306, 1002, 1003 and 1004 and the rights, powers, trusts, duties and immunities of the Trustee hereunder, including those under Section 607 hereof); and (iii) the Trustee, at the expense of the Company, shall, upon Company Order, execute proper instruments acknowledging satisfaction and discharge of such indebtedness, when

(1) either

(A) with respect to all Outstanding Debt Securities of such series and related coupons, with reference to this Section 403, the Company has deposited or caused to be deposited with the Trustee (or another trustee satisfying the requirements of Section 609 who shall agree to comply with the provisions of this Section 403 applicable to it) irrevocably, as trust funds in trust, money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due

(and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of such Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay and discharge (i) the principal of (and premium, if any) and interest on the Outstanding Debt Securities of that series and related coupons on the Stated Maturity of such principal or interest or, if such series may be redeemed by the Company prior to the Stated Maturity thereof, and the Company shall have given irrevocable instructions to the Trustee to effect such redemption, at the date fixed for such redemption pursuant to Article Eleven, and (ii) any mandatory sinking fund payments or analogous payments applicable to Debt Securities of such series on the date on which such payments are due and payable in accordance with the terms of this Indenture and of such Debt Securities; or

(B) the Company has properly fulfilled such other means of satisfaction and discharge as is specified, as contemplated by Section 301, to be applicable to the Debt Securities of such series;

(2) the Company has paid or caused to be paid all sums payable with respect to the Outstanding Debt Securities of such series and related coupons;

(3) such deposit will not result in a breach of, or constitute a default under, this Indenture or any other agreement or instrument to which the Company is a party or by which it is bound;

(4) no Event of Default or event which, with the giving of notice or lapse of time, or both, would become an Event of Default pursuant to Section 501(1), (2), (3), (5) or (6) with respect to the Debt Securities of such series shall have occurred and be continuing on the date of such deposit and no Event of Default under Section 501(5) or Section 501(6) or event which, with the giving of notice or lapse of time, or both, would become an Event of Default under Section 501(5) or Section 501(6) shall have occurred and be continuing on the 91st day after such date; *provided, however*, that should that condition fail to be satisfied on or before such 9th day, the Trustee shall promptly, upon satisfactory receipt of evidence of such failure, return such deposit to the Company;

(5) the Company has delivered to the Trustee an Opinion of Counsel to the effect that (a) the Company has received from, or there has been published by, the Internal Revenue Service a ruling, or (b) since the date of this Indenture there has been a change in applicable Federal income tax law, in either case to the effect that, and based thereon such Opinion of Counsel shall confirm that, the Holders of Debt Securities and related coupons of such series will not recognize income, gain or loss for Federal income tax purposes as a result of such deposit, defeasance and discharge and will be subject to Federal income tax on the same amount and in the same manner and at the same times as would have been the case if such deposit, defeasance and discharge had not occurred;

(6) if the Debt Securities of that series are then listed on any domestic or foreign securities exchange, the Company shall have delivered to the Trustee an Opinion

of Counsel to the effect that such deposit, defeasance and discharge will not cause such Debt Securities to be delisted;

(7) such deposit shall have been effected in compliance with any additional terms, conditions or limitations which may be imposed on the Company in connection therewith pursuant to Section 301; and

(8) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the satisfaction and discharge of the entire indebtedness of all Outstanding Debt Securities and related coupons have been complied with.

Any deposits with the Trustee referred to in Section 403(1)(A) above shall be irrevocable and shall be made under the terms of an escrow or trust agreement in form and substance satisfactory to the Trustee. If any Outstanding Debt Securities of such series are to be redeemed prior to their Stated Maturity, whether pursuant to any optional redemption provisions or in accordance with any mandatory sinking fund requirement, the applicable escrow or trust agreement shall provide therefor and the Company shall make such arrangements as are satisfactory to the Trustee for the giving of notice of redemption by the Trustee in the name, and at the expense, of the Company.

Upon the satisfaction of the conditions set forth in this Section 403 with respect to all the Outstanding Debt Securities of any series, the terms and conditions of such series, including the terms and conditions with respect thereto set forth in this Indenture, shall no longer be binding upon, or applicable to, the Company; *provided* that the Company shall not be discharged from any payment obligations in respect of Debt Securities of such series which are deemed not to be Outstanding under clause (iii) of the definition thereof if such obligations continue to be valid obligations of the Company under applicable law.

Notwithstanding the cessation, termination and discharge of all obligations, covenants and agreements (except as provided above in this Section 403) of the Company under this Indenture with respect to any series of Debt Securities, the obligations of the Company to the Trustee under Section 607, and the obligations of the Trustee under Section 402 and the last paragraph of Section 1003, shall survive with respect to such series of Debt Securities.

ARTICLE FIVE

Remedies

Section 5.01 *Events of Default.*

"Event of Default", wherever used herein with respect to Debt Securities of any series, means any one of the following events (whatever the reason for such Event of Default and whether it shall be voluntary or involuntary or be effected by operation of law, pursuant to any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body):

- (1) default in the payment of any interest upon any Debt Security of such series or a related coupon, if any, when it becomes due and payable, and continuance of such default for a period of 30 days; or
- (2) default in the payment of the principal of (or premium, if any, on) any Debt Security of such series at its Maturity; or
- (3) default in the deposit of any sinking fund payment, when and as due by the terms of a Debt Security of such series; or
- (4) default in the performance, or breach, of any covenant or warranty of the Company in this Indenture (other than a covenant or warranty a default in whose performance or whose breach is elsewhere in this Section specifically dealt with or which has expressly been included in this Indenture solely for the benefit of Debt Securities of a series other than such series), and continuance of such default or breach for a period of 90 days after there has been given by registered or certified mail, to the Company by the Trustee, or to the Company and the Trustee by the Holders of at least 25% in principal amount of the Outstanding Debt Securities of such series, a written notice specifying such default or breach and requiring it to be remedied and stating that such notice is a "Notice of Default" hereunder; or
- (5) the entry by a court having jurisdiction in the premises of (A) a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or (B) a decree or order adjudging the Company a bankrupt or insolvent, or approving as properly filed a petition seeking reorganization, arrangement, adjustment or composition of or in respect of the Company under any applicable Federal or State law, or appointing a custodian, receiver, liquidator, assignee, trustee, sequestrator or other similar official of the Company or of any substantial part of its property, or ordering the winding up or liquidation of its affairs, and the continuance of any such decree or order for relief or any such other decree or order unstayed and in effect for a period of 60 consecutive days; or
- (6) the commencement by the Company of a voluntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or of any other case or proceeding to be adjudicated a bankrupt or insolvent, or the consent by it to the entry of a decree or order for relief in respect of the Company in an involuntary case or proceeding under any applicable Federal or state bankruptcy, insolvency, reorganization or other similar law or to the commencement of any bankruptcy or insolvency case or proceeding against it, or the filing by it of a petition or answer or consent seeking reorganization or relief under any applicable Federal or State law, or the consent by it to the filing of such petition or to the appointment of or taking possession by a custodian, receiver, liquidator, assignee, trustee, sequestrator or similar official of the Company or of any substantial part of its property, or the making by it of an assignment for the benefit of creditors, or the admission by it in writing of its inability to pay its debts generally as they become due, or the taking of corporate action by the Company in furtherance of any such action; or

- (7) any other Event of Default, if any, provided with respect to Debt Securities of such series specified as contemplated by Section 301.

Section 5.02 *Acceleration of Maturity; Rescission and Annulment.*

If an Event of Default with respect to Debt Securities of any series at the time Outstanding occurs and is continuing, then and in every such case the Trustee or the Holders of not less than 25% in principal amount of Outstanding Debt Securities of such series may declare the principal amount (or, if the Debt Securities of such series are Original Issue Discount Securities, such portion of the principal amount as may be specified in the terms of such series) of and all accrued but unpaid interest on all the Debt Securities of such series to be due and payable immediately, by a notice in writing to the Company (and to the Trustee if given by such Holders), and upon any such declaration such principal amount (or specified amount) shall become immediately due and payable. Upon payment of such amount, all obligations of the Company in respect of the payment of principal of the Debt Securities of such series shall terminate.

At any time after such a declaration of acceleration with respect to Debt Securities of any series has been made and before a judgment or decree for payment of the money due has been obtained by the Trustee as hereinafter in this Article provided, the Holders of a majority in principal amount of the Outstanding Debt Securities of such series, by written notice to the Company and the Trustee, may rescind and annul such declaration and its consequences if

- (1) the Company has paid or deposited with the Trustee a sum sufficient to pay
- (A) all overdue installments of interest on all Debt Securities of such series and any related coupons,
 - (B) the principal of (and premium, if any, on) any Debt Securities of such series which have become due otherwise than by such declaration of acceleration and interest thereon at the rate or rates prescribed therefor in such Debt Securities,
 - (C) to the extent that payment of such interest is lawful, interest upon overdue installments of interest on each Debt Security and any related coupons at the rate or rates prescribed therefor in such Debt Securities, and
 - (D) all sums paid or advanced by the Trustee hereunder and the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel;

and

- (2) all Events of Default with respect to Debt Securities of such series, other than the non-payment of the principal of Debt Securities of such series which have become due solely by such declaration of acceleration, have been cured or waived as provided in Section 513.

No such rescission shall affect any subsequent default or impair any right consequent thereon.

Section 5.03 *Collection of Indebtedness and Suits for Enforcement by Trustee.*

The Company covenants that if:

(1) default is made in the payment of any installment of interest on any Debt Security or any related coupon when such interest becomes due and payable and such default continues for a period of 30 days, or

(2) default is made in the payment of the principal of (or premium, if any, on) any Debt Security at the Maturity thereof, the Company will, upon demand of the Trustee, pay to it, for the benefit of the Holders of such Debt Securities and any related coupons, the amount then due and payable on such Debt Securities and coupons for principal (and premium, if any) and interest and, to the extent that payment of such interest shall be legally enforceable, interest upon the overdue principal (and premium, if any) and, upon overdue installments of interest, at the rate or rates prescribed therefor in such Debt Securities, and, in addition thereto, such further amount as shall be sufficient to cover the costs and expenses of collection, including the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel.

If the Company fails to pay such amounts forthwith upon such demand, the Trustee, in its own name and as trustee of an express trust, may institute a judicial proceeding for the collection of the sums so due and unpaid, and may prosecute such proceeding to judgment or final decree, and may enforce the same against the Company or any other obligor upon such Debt Securities and coupons and collect the moneys adjudged or decreed to be payable in the manner provided by law out of the property of the Company or any other obligor upon such Debt Securities and coupons, wherever situated.

If an Event of Default with respect to Debt Securities of any series occurs and is continuing, the Trustee may in its discretion proceed to protect and enforce its rights and the rights of the Holders of Debt Securities of such series and any related coupons by such appropriate judicial proceedings as the Trustee shall deem most effectual to protect and enforce any such rights, whether for the specific enforcement of any covenant or agreement in this Indenture or in aid of the exercise of any power granted herein, or to enforce any other proper remedy.

Section 5.04 *Trustee May File Proofs of Claim.*

In case of the pendency of any receivership, insolvency, liquidation, bankruptcy, reorganization, arrangement, adjustment, composition or other judicial proceedings, or any voluntary or involuntary case under the Federal bankruptcy laws as now or hereafter constituted, relative to the Company or any other obligor upon the Debt Securities of a particular series or any related coupons or the property of the Company or of such other obligor or their creditors, the Trustee (irrespective of whether the principal of such Debt Securities shall then be due and payable as therein expressed or by declaration or otherwise and irrespective of whether the Trustee shall have made any demand on the Company for the payment of overdue principal or interest) shall be entitled and empowered, by intervention in such proceedings or otherwise,

(1) to file and prove a claim for the whole amount of principal (and premium, if any) and interest owing and unpaid in respect of the Debt Securities of such series and any related coupons and to file such other papers or documents as may be necessary or advisable in order to have the claims of the Trustee (including any claim for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel) and of the Holders allowed in such judicial proceeding, and

(2) to collect and receive any moneys or other property payable or deliverable on any such claims and to distribute the same; and any receiver, assignee, trustee, custodian, liquidator, sequestrator or other similar official in any such proceeding is hereby authorized by each Holder to make such payments to the Trustee, and in the event that the Trustee shall consent to the making of such payments directly to the Holders, to pay to the Trustee any amount due it for the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, and any other amounts due the Trustee under Section 607.

Nothing herein contained shall be deemed to authorize the Trustee to authorize or consent to or accept or adopt on behalf of any Holder any plan of reorganization, arrangement, adjustment or composition affecting the Debt Securities or any coupons or the rights of any Holder thereof, or to authorize the Trustee to vote in respect of the claim of any Holder in any such proceeding.

Section 5.05 *Trustee May Enforce Claims without Possession of Debt Securities or Coupons.*

All rights of action and claims under this Indenture or the Debt Securities or coupons may be prosecuted and enforced by the Trustee without the possession of any of the Debt Securities or coupons or the production thereof in any proceeding relating thereto, and any such proceeding instituted by the Trustee shall be brought in its own name, as trustee of an express trust, and any recovery of judgment shall, after provision for the payment of the reasonable compensation, expenses, disbursements and advances of the Trustee, its agents and counsel, be for the ratable benefit of the Holders of the Debt Securities and coupons in respect of which such judgment has been recovered.

Section 5.06 *Application of Money Collected.*

Any money collected by the Trustee pursuant to this Article shall be applied in the following order, at the date or dates fixed by the Trustee and, in case of the distribution of such money on account of principal (and premium, if any) or interest, upon presentation of the Debt Securities or any coupons, or both, as the case may be, and the notation thereon of the payment if only partially paid and upon surrender thereof if fully paid:

FIRST: To the payment of all amounts due the Trustee under Section 607;

SECOND: To the payment of amounts then due and unpaid to the holders of Senior Debt, to the extent required by Article Sixteen;

THIRD: To the payment of the amounts then due and unpaid for principal of (and premium, if any) and interest on the Debt Securities and any coupons, in respect of which or for the benefit of which such money has been collected ratably, without preference or priority of any kind, according to the amounts due and payable on such Debt Securities and any coupons for principal (and premium, if any) and interest, respectively. The Holders of each series of Debt Securities denominated in Euro, any other composite currency or a Foreign Currency and any matured coupons relating thereto shall be entitled to receive a ratable portion of the amount determined by the Exchange Rate Agent by converting the principal amount Outstanding of such series of Debt Securities and matured but unpaid interest on such series of Debt Securities in the currency in which such series of Debt Securities is denominated into Dollars at the Exchange Rate as of the date of declaration of acceleration of the Maturity of the Debt Securities; and

FOURTH: The balance, if any, to the Company.

Section 5.07 *Limitation on Suits.*

No Holder of any Debt Securities of any series or any related coupons shall have any right to institute any proceeding, judicial or otherwise, with respect to this Indenture, or for the appointment of a receiver or trustee, or for any other remedy hereunder, unless

- (1) such Holder has previously given written notice to the Trustee of a continuing Event of Default with respect to the Debt Securities of such series;
- (2) the Holders of not less than 25% in principal amount of the Outstanding Debt Securities of such series shall have made written request to the Trustee to institute proceedings in respect of such Event of Default in its own name as Trustee hereunder;
- (3) such Holder or Holders have offered to the Trustee reasonable indemnity satisfactory to it against the costs, expenses and liabilities to be incurred in compliance with such request;
- (4) the Trustee for 60 days after its receipt of such notice, request and offer of indemnity has failed to institute any such proceeding; and
- (5) no direction inconsistent with such written request has been given to the Trustee during such 60-day period by the Holders of a majority in principal amount of the Outstanding Debt Securities of such series;

it being understood and intended that no one or more of such Holders shall have any right in any manner whatever by virtue of, or by availing of, any provision of this Indenture to affect, disturb or prejudice the rights of any other such Holders, or to obtain or to seek to obtain priority or preference over any other of such Holders or to enforce any right under this Indenture, except in the manner herein provided and for the equal and ratable benefit of all of such Holders.

Section 5.08 *Unconditional Right of Holders to Receive Principal, Premium and Interest.*

Notwithstanding any other provision in this Indenture, the Holder of any Debt Security or coupon shall have the right which is absolute and unconditional to receive payment of the principal of (and premium, if any) and (subject to Section 307) interest on such Debt Security or payment of such coupon on the respective Stated Maturity or Maturities expressed in such Debt Security or coupon (or, in the case of redemption or repayment, on the Redemption Date or the Repayment Date, as the case may be) and to institute suit for the enforcement of any such payment, and such right shall not be impaired without the consent of such Holder, *subject, however*, to the provisions of Article Sixteen.

Section 5.09 *Restoration of Rights and Remedies.*

If the Trustee or any Holder has instituted any proceedings to enforce any right or remedy under this Indenture and such proceeding has been discontinued or abandoned for any reason, or has been determined adversely to the Trustee or to such Holder, then and in every such case the Company, the Trustee and the Holders shall, subject to any determination in such proceeding, be restored severally and respectively to their former positions hereunder, and thereafter all rights and remedies of the Trustee and the Holders shall continue as though no such proceeding had been instituted.

Section 5.10 *Rights and Remedies Cumulative.*

Except as otherwise provided in Section 306, no right or remedy herein conferred upon or reserved to the Trustee or to the Holders is intended to be exclusive of any other right or remedy, and every right and remedy shall, to the extent permitted by law, be cumulative and in addition to every other right and remedy given hereunder or now or hereafter existing at law or in equity or otherwise. The assertion or employment of any right or remedy hereunder, or otherwise, shall not prevent the concurrent assertion or employment of any other appropriate right or remedy.

Section 5.11 *Delay or Omission Not Waiver.*

No delay or omission of the Trustee or of any Holder of any Debt Security or coupon to exercise any right or remedy accruing upon any Event of Default shall impair any such right or remedy or constitute a waiver of any such Event of Default or an acquiescence therein. Every right and remedy given by this Article or by law to the Trustee or to the Holders may be exercised from time to time, and as often as may be deemed expedient, by the Trustee or by the Holders, as the case may be.

Section 5.12 *Control by Holders of Debt Securities.*

The Holders of a majority in principal amount of the Outstanding Debt Securities of any series shall have the right to direct the time, method and place of conducting any proceeding for any remedy available to the Trustee or exercising any trust or power conferred on the Trustee with respect to the Debt Securities of such series, *provided*, that

- (1) such direction shall not be in conflict with any rule of law or with this Indenture;

(2) subject to the provisions of Section 601, the Trustee shall have the right to decline to follow any such direction if the Trustee in good faith shall, by a Responsible Officer or Responsible Officers of the Trustee, determine that the proceedings so directed would be unjustly prejudicial to the Holders of Debt Securities of such series not joining in any such direction; and

(3) the Trustee may take any other action deemed necessary by the Trustee which is not inconsistent with such direction.

Section 5.13 *Waiver of Past Defaults.*

The Holders of not less than a majority in principal amount of the Outstanding Debt Securities of any series may on behalf of the Holders of all the Debt Securities of any such series and any related coupons waive any past default hereunder with respect to such series and its consequences, except a default

(1) in the payment of the principal of (or premium, if any) or interest on any Debt Security of such series, or

(2) in respect of a covenant or provision hereof which under Article Nine cannot be modified or amended without the consent of the Holder of each Outstanding Debt Security of such series or coupons affected.

Upon any such waiver, such default shall cease to exist, and any Event of Default arising therefrom shall be deemed to have been cured, for every purpose of this Indenture; but no such waiver shall extend to any subsequent or other default or impair any right consequent thereon.

Section 5.14 *Undertaking for Costs.*

All parties to this Indenture agree, and each Holder of any Debt Security or coupon by his acceptance thereof shall be deemed to have agreed, that any court may in its discretion require, in any suit for the enforcement of any right or remedy under this Indenture, or in any suit against the Trustee for any action taken, suffered or omitted by it as Trustee, the filing by any party litigant in such suit of an undertaking to pay the costs of such suit, and that such court may in its discretion assess reasonable costs, including reasonable attorneys' fees and expenses, against any party litigant in such suit, having a due regard to the merits and good faith of the claims or defenses made by such party litigant, but the provisions of this Section shall not apply to any suit instituted by the Company or the Trustee, to any suit instituted by any Holder, or group of Holders, holding in the aggregate more than 10% in principal amount of the Outstanding Debt Securities of any series, or to any suit instituted by any Holder for the enforcement of the payment of the principal of (or premium, if any) or interest on any Debt Security or the payment of any coupons on or after the respective Stated Maturity or Maturities expressed in such Debt Security or coupon (or, in the case of redemption or repayment, on or after the Redemption Date or Repayment Date, as the case may be).

Section 5.15 Waiver of Stay or Extension Laws.

The Company covenants (to the extent that it may lawfully do so) that it will not at any time insist upon, or plead, or in any manner whatsoever claim or take the benefit or advantage of, any stay or extension law whenever enacted, now or at any time hereafter in force, which may affect the covenants or the performance of this Indenture; and the Company (to the extent that it may lawfully do so) hereby expressly waives all benefits or advantage of any such law, and covenants that it will not hinder, delay or impede the execution of any power herein granted to the Trustee, but will suffer and permit the execution of every such power as though no such law had been enacted.

ARTICLE SIX
The Trustee

Section 6.01 *Certain Duties and Responsibilities.*

(a) Except during the continuance of an Event of Default,

(i) the Trustee undertakes to perform such duties and only such duties as are specifically set forth in this Indenture, and no implied covenants or obligations shall be read into this Indenture against the Trustee; and (ii) in the absence of bad faith on its part, the Trustee may conclusively rely, as to the truth of the statements and the correctness of the opinions expressed therein, upon certificates or opinions furnished to the Trustee and conforming to the requirements of this Indenture; but in the case of any such certificates or opinions which by any provision hereof are specifically required to be furnished to the Trustee, the Trustee shall be under a duty to examine the same to determine whether or not they conform to the requirements of this Indenture (but need not confirm or investigate the accuracy of mathematical calculations or other facts stated therein).

(b) In case an Event of Default has occurred and is continuing, the Trustee shall exercise such of the rights and powers vested in it by this Indenture, and use the same degree of care and skill in their exercise, as a prudent person would exercise or use under the circumstances in the conduct of his or her own affairs.

(c) No provision of this Indenture shall be construed to relieve the Trustee from liability for its own negligent action, its own negligent failure to act, or its own willful misconduct, except that

(i) this subsection shall not be construed to limit the effect of subsection (a) of this Section 601;

(ii) the Trustee shall not be liable for any error of judgment made in good faith by a Responsible Officer, unless it shall be proved that the Trustee was negligent in ascertaining the pertinent facts;

(iii) the Trustee shall not be liable with respect to any action taken or omitted to be taken by it in good faith in accordance with the direction of the Holders of a majority in principal amount of the Outstanding Debt Securities of any series, determined as provided in Sections 101, 104 and 512, relating to the time, method and place of conducting any proceeding for any remedy available to the Trustee, or exercising any

trust or power conferred upon the Trustee, under this Indenture with respect to the Debt Securities of such series; and (iv) no provision of this Indenture shall require the Trustee to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties hereunder, or in the exercise of any of its rights or powers.

(d) Whether or not therein expressly so provided, every provision of this Indenture relating to the conduct or affecting the liability of or affording protection to the Trustee shall be subject to the provisions of this Section.

Section 6.02 *Notice of Default.*

If a default occurs hereunder with respect to Debt Securities of any series the Trustee shall transmit by mail to all Holders of Debt Securities of such series notice of such default as and to the extent provided by the Trust Indenture Act; *provided, however*, that in the case of any default of the character specified in Section 501(4) with respect to Debt Securities of such series no such notice to Holders shall be given until at least 30 days after the occurrence thereof; and *provided further*, that, except in the case of a default in the payment of principal of (or premium, if any) or interest on any Debt Security of such series or related coupons or in the payment of any sinking fund installment with respect to Debt Securities of such series, the Trustee shall be protected in withholding such notice if and so long as the board of directors, the executive committee or a trust committee of directors and/or a Responsible Officer of the Trustee in good faith determines that the withholding of such notice is in the interest of the Holders of the Debt Securities of such series. For the purpose of this Section, the term “default” means any event which is, or after notice or lapse of time or both would become, an Event of Default with respect to Debt Securities of such series.

Section 6.03 *Certain Rights of Trustee.*

Except as otherwise provided in Section 601:

(a) the Trustee may conclusively rely and shall be fully protected in acting or refraining from acting upon any signature, resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, coupon or other paper or document (whether in its original or facsimile form) believed by it to be genuine and to have been signed or presented by the proper party or parties;

(b) any request or direction of the Company mentioned herein shall be sufficiently evidenced by a Company Request or Company Order and any resolution of the Board of Directors shall be sufficiently evidenced by a Board Resolution;

(c) whenever in the administration of this Indenture the Trustee shall deem it desirable that a matter be proved or established prior to taking, suffering or omitting any action hereunder, the Trustee (unless other evidence be herein specifically prescribed) may, in the absence of bad faith on its part, rely upon an Officers' Certificate;

(d) the Trustee may consult with counsel and the advice of such counsel or any Opinion of Counsel shall be full and complete authorization and protection in respect of any action taken, suffered or omitted by it hereunder in good faith and in reliance thereon;

(e) the Trustee shall be under no obligation to exercise any of the rights or powers vested in it by this Indenture at the request or direction of any of the Holders of Debt Securities of such series or any related coupons pursuant to this Indenture, unless such Holders shall have offered to the Trustee security or indemnity satisfactory to it against the costs, expenses and liabilities which might be incurred by it in compliance with such request or direction;

(f) the Trustee shall not be bound to make any investigation into the facts or matters stated in any resolution, certificate, statement, instrument, opinion, report, notice, request, direction, consent, order, bond, debenture, note, coupon, other evidence of indebtedness or other paper or document, but the Trustee, in its discretion, may make such further inquiry or investigation into such facts or matters as it may see fit, and, if the Trustee shall determine to make such further inquiry or investigation, it shall be entitled to examine the books, records and premises of the Company, personally or by agent or attorney, other than any such books or records containing information as to the affairs of the customers of the Company or any of its subsidiaries; *provided* that the Trustee may examine such books and records relating to customers to the extent that such books and records contain information as to any payments made to such customers in their capacity as Holders of Debt Securities; and *provided further* that the Trustee shall incur no liability or additional liability of any kind by reason of such inquiry or investigation; and

(g) the Trustee may execute any of the trusts or powers hereunder or perform any duties hereunder either directly or by or through agents or attorneys and the Trustee shall not be responsible for any misconduct or negligence on the part of any agent or attorney appointed with due care by it hereunder; no Exchange Rate Agent, Global Exchange Agent, Depository or Paying Agent shall be deemed an agent of the Trustee and the Trustee shall not be responsible for any act or omission by any of them.

Section 6.04 *Not Responsible for Recitals or Issuance of Debt Securities.*

The recitals contained herein and in the Debt Securities, except the Trustee's certificates of authentication, and in any coupons, and the information in any registration statement, including all attachments thereto, except information provided by the Trustee therein, shall be taken as the statements of the Company, and the Trustee assumes no responsibility for their correctness. The Trustee makes no representations as to the validity or sufficiency of this Indenture or of the Debt Securities of any series or any coupons. The Trustee shall not be accountable for the use or application by the Company of any Debt Securities or the proceeds thereof. The Trustee shall not be responsible for and makes no representations as to the Company's ability or authority to issue Bearer Securities or the lawfulness thereof.

Section 6.05 *May Hold Debt Securities or Coupons.*

The Trustee, any Paying Agent, the Security Registrar or any other agent of the Company or the Trustee, in its individual or any other capacity, may become the owner or pledgee of Debt Securities and coupons, and, subject to Sections 608 and 613, may otherwise deal with the Company with the same rights it would have if it were not Trustee, Paying Agent, Security Registrar or such agent.

Section 6.06 *Money Held in Trust.*

Money held by the Trustee or any Paying Agent in trust hereunder need not be segregated from other funds except to the extent required by law. Neither the Trustee nor any Paying Agent shall be under any liability for interest on any money received by it hereunder except as otherwise agreed with the Company.

Section 6.07 *Compensation and Reimbursement.*

The Company agrees

(1) to pay to the Trustee from time to time such compensation for all services rendered by it hereunder which shall have been separately agreed to from time to time in writing by the Company and the Trustee (which compensation shall not be limited by any provision of law in regard to the compensation of a trustee of an express trust);

(2) except as otherwise expressly provided herein, to reimburse the Trustee upon its request for all reasonable expenses, disbursements and advances incurred or made by the Trustee in accordance with any provision of this Indenture (including the reasonable compensation and the expenses and disbursements of its agents and counsel), except any such expense, disbursement or advance as may be attributable to its negligence or willful misconduct; and

(3) to fully indemnify the Trustee for, and to hold it harmless against, any and all claims, losses, liabilities, damages or expenses (including taxes other than taxes based upon the income of the Trustee) incurred without negligence or willful misconduct on its part, arising out of or in connection with the acceptance or administration of this trust or performance of its duties hereunder, including the costs and expenses of defending itself against any claim or liability in connection with the exercise or performance of any of its powers or duties hereunder.

As security for the performance of the obligations of the Company under this Section the Trustee shall have a claim prior to the Debt Securities and any coupons upon all property and funds held or collected by the Trustee as such, except funds held in trust for the payment of principal of (and premium, if any) or interest on particular Debt Securities or any coupons. The claims of the Trustee under this Section shall not be subject to the provisions of Article Sixteen.

Section 6.08 *Disqualification; Conflicting Interests.*

If the Trustee has or shall acquire any conflicting interest within the meaning of the Trust Indenture Act, the Trustee shall either eliminate such interest or resign, to the extent and in the manner provided by, and subject to the provisions of, the Trust Indenture Act and this Indenture.

To the extent permitted by such Act, the Trustee shall not be deemed to have a conflicting interest with respect to Debt Securities of any series by virtue of being a trustee under this Indenture with respect to any particular series of Debt Securities.

Section 6.09 *Corporate Trustee Required; Eligibility.*

There shall at all times be a Trustee hereunder which shall be a corporation that is eligible pursuant to the Trust Indenture Act to act as such and organized and doing business under the laws of the United States, any State thereof or the District of Columbia, authorized under such laws to exercise corporate trust powers, having a combined capital and surplus of at least \$5,000,000, and subject to supervision or examination by Federal or State authority; *provided, however*, that if Section 310(a) of the Trust Indenture Act or the rules and regulations of the Commission under the Trust Indenture Act at any time permit a corporation organized and doing business under the laws of any other jurisdiction to serve as trustee of an indenture qualified under the Trust Indenture Act, this Section 609 shall be automatically amended to permit a corporation organized and doing business under the laws of any such other jurisdiction to serve as Trustee hereunder. If such corporation publishes reports of condition at least annually, pursuant to law or to the requirements of the aforesaid supervising or examining authority, then for the purposes of this Section, the combined capital and surplus of such corporation shall be deemed to be its combined capital and surplus as set forth in its most recent report of condition so published. If at any time the Trustee shall cease to be eligible in accordance with the provisions of this Section, it shall resign promptly in the manner and with the effect hereinafter specified in this Article.

Section 6.10 *Resignation and Removal; Appointment of Successor.*

(a) No resignation or removal of the Trustee and no appointment of a successor Trustee pursuant to this Article shall become effective until the acceptance of appointment by the successor Trustee under Section 611.

(b) The Trustee may resign at any time with respect to the Debt Securities of one or more series by giving written notice thereof to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days after the giving of such notice of resignation, the resigning Trustee may petition at the expense of the Company any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(c) The Trustee may be removed at any time with respect to the Debt Securities of any series by Act of the Holders of a majority in principal amount of the Outstanding Debt Securities of such series, delivered to the Trustee and to the Company. If an instrument of acceptance by a successor Trustee shall not have been delivered to the Trustee within 30 days of receipt of such Act specifying removal, the removed Trustee may petition at the expense of the Company any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(d) If at any time:

(1) the Trustee shall fail to comply with Section 608 with respect to the Debt Securities of any series after written request therefor by the Company or by any Holder who has been a bona fide Holder of a Debt Security of such series for at least six months, or

(2) the Trustee shall cease to be eligible under Section 609 with respect to any series of Debt Securities and shall fail to resign after written request therefor by the Company or by any such Holder, or

(3) the Trustee shall become incapable of acting with respect to any series of Debt Securities or a decree or order for relief by a court having jurisdiction in the premises shall have been entered in respect of the Trustee in an involuntary case under the Federal bankruptcy laws, as now or hereafter constituted, or any other applicable Federal or State bankruptcy, insolvency or similar law; or a decree or order by a court having jurisdiction in the premises shall have been entered for the appointment of a receiver, custodian, liquidator, assignee, trustee, sequestrator or other similar official of the Trustee or of its property or affairs, or any public officer shall take charge or control of the Trustee or of its property or affairs for the purpose of rehabilitation, conservation, winding up or liquidation, or

(4) the Trustee shall commence a voluntary case under the Federal bankruptcy laws, as now or hereafter constituted, or any other applicable Federal or State bankruptcy, insolvency or similar law or shall consent to the appointment of or taking possession by a receiver, custodian, liquidator, assignee, trustee, sequestrator or other similar official of the Trustee or its property or affairs, or shall make an assignment for the benefit of creditors, or shall admit in writing its inability to pay its debts generally as they become due, or shall take corporate action in furtherance of any such action, then, in any such case, (i) the Company by a Board Resolution may remove the Trustee with respect to such series or (ii) subject to Section 514, any Holder who has been a bona fide Holder of a Debt Security of any series for at least six months may, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the removal of the Trustee for the Debt Securities of such series and the appointment of a successor Trustee. In addition, the Company may remove the Trustee if the Company shall determine by a Board Resolution that the services provided by the Trustee hereunder may be obtained at a substantially lower cost to the Company.

(e) If the Trustee shall resign, be removed or become incapable of acting with respect to any series of Debt Securities, or if a vacancy shall occur in the office of Trustee for any cause, with respect to the Debt Securities of one or more series, the Company, by a Board Resolution, shall promptly appoint a successor Trustee or Trustees with respect to the Debt Securities of that or those series (it being understood that any such successor Trustee may be appointed with respect to the Debt Securities of one or more or all of such series and that at any time there shall be only one Trustee with respect to the Debt Securities of any particular series) and shall comply with the applicable requirements of Section 611. If, within one year after such resignation, removal or incapability, or the occurrence of such vacancy, a successor Trustee with respect to the Debt Securities of any series shall be appointed by Act of the Holders of a majority in principal amount of the Outstanding Debt Securities of such series delivered to the Company

and the retiring Trustee, the successor Trustee so appointed shall, forthwith upon its acceptance of such appointment, become the successor Trustee with respect to the Debt Securities of such series and to that extent supersede the successor Trustee appointed by the Company. If no successor Trustee with respect to the Debt Securities of any series shall have been so appointed by the Company or the Holders and accepted appointment in the manner hereinafter provided, any Holder who has been a bona fide Holder of a Debt Security of such series for at least six months may, subject to Section 514, on behalf of himself and all others similarly situated, petition any court of competent jurisdiction for the appointment of a successor Trustee with respect to the Debt Securities of such series.

(f) The Company shall give notice of each resignation and each removal of the Trustee with respect to the Debt Securities of any series and each appointment of a successor Trustee with respect to the Debt Securities of any series by mailing written notice of such event by first-class mail, postage prepaid, to the Holders of Registered Securities, if any, of such series as their names and addresses appear in the Security Register and, if Debt Securities of such series are issuable as Bearer Securities, by publishing notice of such event once in an Authorized Newspaper in each Place of Payment located outside the United States. Each notice shall include the name of the successor Trustee with respect to the Debt Securities of such series and the address of its Corporate Trust Office.

Section 6.11 *Acceptance of Appointment by Successor.*

(a) In the case of an appointment hereunder of a successor Trustee with respect to all Debt Securities, every such successor Trustee so appointed shall execute, acknowledge and deliver to the Company and to the retiring Trustee an instrument accepting such appointment, and thereupon the resignation or removal of the retiring Trustee shall become effective and such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee; but, on request of the Company or the successor Trustee, such retiring Trustee shall, upon payment of its charges due under Section 607 hereof, execute and deliver an instrument transferring to such successor Trustee all the rights, powers and trusts of the retiring Trustee, and shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder.

(b) In the case of the appointment hereunder of a successor Trustee with respect to the Debt Securities of one or more (but not all) series, the Company, the retiring Trustee upon payment of its charges and each successor Trustee with respect to the Debt Securities of one or more series shall execute and deliver an indenture supplemental hereto wherein each successor Trustee shall accept such appointment and which (1) shall contain such provisions as shall be necessary or desirable to transfer and confirm to, and to vest in, each successor Trustee all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates, (2) if the retiring Trustee is not retiring with respect to all Debt Securities, shall contain such provisions as shall be deemed necessary or desirable to confirm that all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series as to which the retiring Trustee is not retiring shall continue to be vested in the retiring Trustee, and (3) shall add to or change any of the provisions of this Indenture as shall be necessary to

provide for or facilitate the administration of the trusts hereunder by more than one Trustee, it being understood that nothing herein or in such supplemental indenture shall constitute such Trustees co-trustees of the same trust and that each such Trustee shall be trustee of a trust or trusts hereunder separate and apart from any trust or trusts hereunder administered by any other such Trustee; and upon the execution and delivery of such supplemental indenture, the resignation or removal of the retiring Trustee shall become effective to the extent provided therein and each such successor Trustee, without any further act, deed or conveyance, shall become vested with all the rights, powers, trusts and duties of the retiring Trustee with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates; but, on the request of the Company or any successor Trustee, such retiring Trustee shall duly assign, transfer and deliver to such successor Trustee all property and money held by such retiring Trustee hereunder with respect to the Debt Securities of that or those series to which the appointment of such successor Trustee relates.

(c) Upon request of any such successor Trustee, the Company shall execute any and all instruments for more fully and certainly vesting in and confirming to such successor Trustee all such rights, powers and trusts referred to in paragraph (a) or (b) of this Section, as the case may be.

(d) No successor Trustee shall accept its appointment unless at the time of such acceptance such successor Trustee shall be qualified and eligible under this Article.

Section 6.12 *Merger, Conversion, Consolidation or Succession to Business.*

Any corporation into which the Trustee may be merged or converted or with which it may be consolidated, or any corporation resulting from any merger, conversion or consolidation to which the Trustee shall be a party, or any corporation succeeding to all or substantially all of the corporate trust business of the Trustee, shall be the successor of the Trustee hereunder, *provided* such corporation shall be otherwise qualified and eligible under this Article, without the executing or filing of any paper or any further act on the part of any of the parties hereto. In case any Debt Securities shall have been authenticated, but not delivered, by the Trustee then in office, any successor by merger, conversion, consolidation or sale to such authenticating Trustee may adopt such authentication and deliver the Debt Securities so authenticated with the same effect as if such successor Trustee had itself authenticated such Debt Securities. In case any Debt Securities shall not have been authenticated by such predecessor Trustee, any such successor Trustee may authenticate and deliver such Debt Securities, in either its own name or that of its predecessor Trustee, with the full force and effect which this Indenture provides for the certificate of authentication of the Trustee.

Section 6.13 *Preferential Collection of Claims Against Company.*

If and when the Trustee shall be or shall become a creditor, directly or indirectly, secured or unsecured, of the Company (or any other obligor upon the Debt Securities), the Trustee shall be subject to the provisions of the Trust Indenture Act regarding collection of claims against the Company (or any such other obligor).

Section 6.14 *Authenticating Agent.*

The Trustee shall upon Company request appoint one or more authenticating agents with respect to one or more series of Debt Securities which shall be authorized on behalf of the Trustee in authenticating Debt Securities of such series in connection with the issue, delivery, registration of transfer, exchange, partial redemption or repayment of such Debt Securities. Wherever reference is made in this Indenture to the authentication of Debt Securities by the Trustee or the Trustee's certificate of authentication, such reference shall be deemed to include authentication on behalf of the Trustee by an authenticating agent and a certificate of authentication executed on behalf of the Trustee by an authenticating agent. Each authenticating agent must be acceptable to the Company and must be a corporation organized and doing business under the laws of the United States or of any State, having a combined capital and surplus of at least \$1,000,000, authorized under such laws to do a trust business and subject to supervision or examination by Federal or State authorities or the equivalent foreign authority in the case of an authenticating agent who is not organized and doing business under the laws of the United States or of any State thereof or the District of Columbia.

Any corporation succeeding to the corporate agency business of an authenticating agent shall continue to be an authenticating agent without the execution or filing of any paper or any further act on the part of the Trustee or such authenticating agent.

An authenticating agent may at any time resign with respect to one or more series of Debt Securities by giving written notice of resignation to the Trustee and to the Company. The Trustee may at any time terminate the agency of any authenticating agent with respect to one or more series of Debt Securities by giving written notice of termination to such authenticating agent and to the Company. Upon receiving such a notice of resignation or upon such a termination, or in case at any time an authenticating agent shall cease to be eligible in accordance with the provisions of this Section, the Trustee promptly may appoint a successor authenticating agent. Any successor authenticating agent upon acceptance of its appointment hereunder shall become vested with all rights, powers and duties of its predecessor hereunder, with like effect as if originally named as an authenticating agent herein. No successor authenticating agent shall be appointed unless eligible under the provisions of this Section.

The Trustee agrees to pay to each authenticating agent from time to time reasonable compensation for its services under this Section, and the Trustee shall be entitled to be reimbursed for such payment, subject to the provisions of Section 607.

The provisions of Sections 104, 111, 306, 309, 603, 604, 605 and 607 shall be applicable to any authenticating agent.

Pursuant to each appointment made under this Section, the Debt Securities of each series covered by such appointment may have endorsed thereon, in lieu of the Trustee's certificate of authentication, an alternate certificate of authentication in substantially the following form:

This is one of the Debt Securities, of the series designated herein, described in the within-mentioned Indenture.

[_____]

By

As Authenticating Agent for the Trustee

By

Authorized Signatory

Dated

**ARTICLE SEVEN
Holders' Lists and Reports By Trustee and Company**

Section 7.01 *Company to Furnish Trustee Names and Addresses of Holders.*

The Company will furnish or cause to be furnished to the Trustee with respect to Debt Securities of each series for which it acts as Trustee:

(1) semi-annually, not more than 15 days after the Regular Record Date in respect of the Debt Securities of such series or on May 15 and November 15 of each year with respect to each series of Debt Securities for which there are no Regular Record Dates, a list, in such form as the Trustee may reasonably require, of the names and addresses of the Holders of Registered Securities as of such Regular Record Date or May 1 or November 1, as the case may be, and

(2) at such other times as the Trustee may request in writing, within 30 days after the receipt by the Company of any such request, a list of similar form and content as of a date not more than 15 days prior to the time such list is furnished; *provided, however*, that if and so long as the Trustee shall be the Security Registrar, no such list need be furnished.

Section 7.02 *Preservation of Information; Communications to Holders.*

(a) The Trustee shall preserve, in as current a form as is reasonably practicable, the names and addresses of Holders of Registered Securities contained in the most recent list furnished to the Trustee as provided in Section 7.01 and the names and addresses of Holders of Registered Securities received by the Trustee in its capacity as Paying Agent or Security Registrar, if so acting. The Trustee may destroy any list furnished to it as provided in Section 7.01 upon receipt of a new list so furnished. The Trustee shall preserve for at least two years the names and addresses of Holders of Bearer Securities filed with the Trustee by such Holders.

(b) The rights of Holders to communicate with other Holders with respect to their rights under this Indenture or under the Debt Securities, and the corresponding rights and privileges of the Trustee, shall be as provided by the Trust Indenture Act.

(c) Every Holder of Debt Securities or coupons, by receiving and holding the same, agrees with the Company and the Trustee that neither the Company nor the Trustee shall be held accountable by reason of any disclosure of information as to the names and addresses of the Holders made pursuant to the Trust Indenture Act.

Section 7.03 *Reports by Trustee.*

(a) Within 60 days after May 15 of each year commencing with the first May 15 after the first issuance of Debt Securities pursuant to this Indenture and at any other time required by the Trust Indenture Act, the Trustee shall transmit to Holders such reports concerning the Trustee and its actions under this Indenture and such other matters as may be required pursuant to the Trust Indenture Act in the manner required by the Trust Indenture Act.

(b) A copy of each such report shall, at the time of such transmission to Holders, be filed by the Trustee with each stock exchange upon which any Debt Securities of such series are listed, with the Commission and also with the Company. The Company will notify the Trustee when any series of Debt Securities are listed on any stock exchange.

Section 7.04 *Reports by Company.*

The Company shall file with the Trustee and the Commission, and transmit to Holders such information, documents and other reports, and such summaries thereof, as may be required pursuant to the Trust Indenture Act at the time and in the manner pursuant to such Act; *provided* that such information, documents or reports required to be filed with the Commission pursuant to Section 13 or Section 15(d) of the Exchange Act shall be filed with the Trustee within 15 days of filing with the Commission.

Delivery of such reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of such shall not constitute constructive notice of any information contained therein or determinable from information contained therein, including the Company's compliance with any of its covenants hereunder (as to which the Trustee is entitled to rely exclusively on Officers' Certificates).

ARTICLE EIGHT
Consolidation, Merger, Conveyance, Transfer or Lease

Section 8.01 *Company May Consolidate, etc. Only on Certain Terms.*

The Company shall not consolidate with or merge into any other corporation or convey, transfer or lease its properties and assets substantially as an entirety to any Person, unless:

(1) the corporation formed by such consolidation or into which the Company is merged or the Person which acquires by conveyance or transfer, or which leases, the properties and assets of the Company substantially as an entirety shall be a corporation organized and existing under the laws of the United States of America, any political subdivision thereof or any State thereof and shall expressly assume, by an indenture supplemental hereto, executed and delivered to the Trustee, in form satisfactory to the Trustee, the due and punctual payment of the principal of (and premium, if any) and interest (including all additional amounts, if any, payable pursuant to Section 1004) on all the Debt Securities and any related coupons and the performance of every covenant of this Indenture on the part of the Company to be performed or observed;

(2) immediately after giving effect to such transaction, no Event of Default, and no event which, after notice or lapse of time, or both, would become an Event of Default, shall have happened and be continuing; and

(3) the Company has delivered to the Trustee an Officers' Certificate and an Opinion of Counsel each stating that such consolidation, merger, conveyance, transfer or lease and such supplemental indenture comply with this Article and that all conditions precedent herein provided for relating to such transaction have been met.

Section 8.02 *Successor Corporation Substituted.*

Upon any consolidation with or merger into any other corporation, or any conveyance, transfer or lease of the properties and assets of the Company substantially as an entirety in accordance with Section 801, the successor corporation formed by such consolidation or into which the Company is merged or to which such conveyance, transfer or lease is made shall succeed to, and be substituted for, and may exercise every right and power of, the Company under this Indenture with the same effect as if such successor had been named as the Company herein, and thereafter, except in the case of a lease of the properties and assets of the Company substantially as an entirety, the Company (which term for this purpose shall mean the Person named as the "Company" in the first paragraph of this instrument or any successor corporation which shall theretofore have become such in the manner presented in this Article) shall be relieved of all obligations and covenants under this Indenture and the Debt Securities and any coupons.

ARTICLE NINE
Supplemental Indentures

Section 9.01 *Supplemental Indentures without Consent of Holders.*

Without the consent of any Holders, the Company, when authorized by a Board Resolution, and the Trustee, at any time and from time to time, may enter into one or more indentures supplemental hereto, in form satisfactory to the Trustee, for any of the following purposes:

(1) to evidence the succession of another corporation to the Company, and the assumption by such successor of the covenants of the Company herein and in the Debt Securities contained; or

(2) to add to the covenants of the Company, for the benefit of the Holders of all or any series of Debt Securities or coupons (and if such covenants are to be for the benefit of less than all series of Debt Securities or coupons, stating that such covenants are expressly being included solely for the benefit of such series), to convey, transfer, assign, mortgage or pledge any property to or with the Trustee, or to surrender any right or power herein conferred upon the Company; or

(3) to add any additional Events of Default (and if such Events of Default are to be applicable to less than all series of Debt Securities, stating that such Events of Default are expressly being included solely to be applicable to such series); or

(4) to add to, change or eliminate any of the provisions of this Indenture to provide that Bearer Securities may be registrable as to principal, to change or eliminate any restrictions on the payment of principal (or premium, if any) on Registered Securities

or of principal (or premium, if any) or any interest on Bearer Securities, to permit Bearer Securities to be issued in exchange for Registered Securities of other authorized denominations or to permit or facilitate the issuance of Debt Securities in uncertificated form, *provided* any such action shall not adversely affect the interests of the Holders of Debt Securities of any series or any related coupons in any material respect; or

(5) to change or eliminate any of the provisions of this Indenture, *provided* that any such change or elimination (a) shall become effective only when there is no Debt Security Outstanding of any series created prior to the execution of such supplemental indenture which is entitled to the benefit of such provisions or (b) shall not apply to any Debt Security Outstanding; or

(6) to establish the form or terms of Debt Securities of any series as permitted by Sections 201 and 301; or

(7) to evidence and provide for the acceptance of appointment hereunder by a successor Trustee with respect to the Debt Securities of one or more series and to add to or change any of the provisions of this Indenture as shall be necessary to provide for or facilitate the administration of the trusts hereunder by more than one Trustee, pursuant to the requirements of Section 611(b); or

(8) to cure any ambiguity, to correct or supplement any provision herein which may be defective or inconsistent with any other provision herein, to make any other provisions with respect to matters or questions arising under this Indenture which shall not be inconsistent with the provisions of this Indenture, or to make any other additions to, deletions from and other changes to the provisions hereof, *provided* such other provisions shall not adversely affect the interests of the Holders of Debt Securities of any series or any related coupons in any material respect; or

(9) to add to or change or eliminate any provision of this Indenture as shall be necessary or desirable in accordance with any amendments to the Trust Indenture Act, *provided* such action shall not adversely affect the interest of Holders of Debt Securities of any series or any related coupons in any material respect.

Section 9.02 *Supplemental Indentures with Consent of Holders.*

With the consent of the Holders of not less than a majority in principal amount of the Outstanding Debt Securities of all series affected by such supplemental indenture, acting together as a class, by Act of said Holders delivered to the Company and the Trustee, the Company, when authorized by a Board Resolution, and the Trustee may enter into an indenture or indentures supplemental hereto for the purpose of adding any provisions to or changing in any manner or eliminating any of the provisions of this Indenture or of modifying in any manner the rights of the Holders under this Indenture of such Debt Securities of such series and any related coupons; *provided, however*, that no such supplemental indenture shall, without the consent of the Holder of each Outstanding Debt Security or coupon affected thereby,

(1) change the Stated Maturity of the principal or any installment of principal of, or any installment of interest on, any Debt Security, or reduce the principal amount

thereof or the interest thereon or any premium payable upon redemption or repayment thereof, or change any obligation of the Company to pay additional amounts pursuant to Section 1004 (except as contemplated by Section 801(1) and permitted by Section 901(1)), or reduce the amount of the principal of an Original Issue Discount Security that would be due and payable upon a declaration of acceleration of the Maturity thereof pursuant to Section 502, or change any Place of Payment, or the coin or currency in which any Debt Security or the interest thereon or any coupon is payable, or impair the right to institute suit for the enforcement of any such payment on or after the Stated Maturity thereof (or, in the case of redemption or repayment, on or after the Redemption Date or Repayment Date, as the case may be); or

(2) reduce the percentage in principal amount of the Outstanding Debt Securities of any series, the consent of whose Holders is required for any such supplemental indenture, or the consent of whose Holders is required for any waiver (of compliance with certain provisions of this Indenture or certain defaults hereunder and their consequences) provided for in this Indenture, or reduce the requirements of Section 1404 for quorum or voting; or

(3) modify any of the provisions of this Section, Section 513 or Section 1006, except to increase any such percentage or to provide that certain other provisions of this Indenture cannot be modified or waived without the consent of the Holder of each Outstanding Debt Security affected thereby; *provided, however*, that this clause shall not be deemed to require the consent of any Holder with respect to changes in the references to “the Trustee” and concomitant changes in this Section and Section 1006, or the deletion of this proviso, in accordance with the requirements of Section 611(b) and 901(7); or

(4) adversely affect the right to repayment, if any, of Debt Securities of any series at the option of the Holders thereof; and *provided, further*, that no change shall be made in the provisions of Article Sixteen that will affect adversely the holders of Senior Debt without the consent of the holders of all Senior Debt outstanding.

A supplemental indenture which changes or eliminates any covenant or other provision of this Indenture which has expressly been included solely for the benefit of one or more particular series of Debt Securities, or which modifies the rights of the Holders of Debt Securities of such series with respect to such covenant or other provision, shall be deemed not to affect the rights under this Indenture of the Holders of Debt Securities of any other series.

It shall not be necessary for any Act of Holders of the Debt Securities under this Section to approve the particular form of any proposed supplemental indenture, but it shall be sufficient if such Act shall approve the substance thereof.

Section 9.03 *Execution of Supplemental Indentures.*

In executing, or accepting the additional trusts created by, any supplemental indenture permitted by this Article or the modifications thereby of the trusts created by this Indenture, the Trustee shall be entitled to receive, and (subject to Section 601) shall be fully protected in

relying upon, an Opinion of Counsel stating that the execution of such supplemental indenture is authorized or permitted by this Indenture. The Trustee may, but shall not be obligated to, enter into any such supplemental indenture which affects the Trustee's own rights, duties or immunities under this Indenture or otherwise.

Section 9.04 *Effect of Supplemental Indentures.*

Upon the execution of any supplemental indenture under this Article, this Indenture shall be modified in accordance therewith, and such supplemental indenture shall form a part of this Indenture for all purposes; and every Holder of Debt Securities theretofore or thereafter authenticated and delivered hereunder and of any coupons appertaining thereto shall be bound thereby.

Section 9.05 *Conformity with Trust Indenture Act.*

Every supplemental indenture executed pursuant to this Article shall conform to the requirements of the Trust Indenture Act as then in effect.

Section 9.06 *Reference in Debt Securities to Supplemental Indentures.*

Debt Securities of any series authenticated and delivered after the execution of any supplemental indenture pursuant to this Article may, and shall if required by the Trustee, bear a notation in form approved by the Trustee as to any matter provided for in such supplemental indenture. If the Company shall so determine, new Debt Securities of any series and any related coupons so modified as to conform, in the opinion of the Trustee and the Board of Directors, to any such supplemental indenture may be prepared and executed by the Company and authenticated and delivered by the Trustee in exchange for Outstanding Debt Securities of such series and any related coupons.

ARTICLE TEN
Covenants

Section 10.01 *Payment of Principal, Premium and Interest.*

The Company covenants and agrees for the benefit of each series of Debt Securities and any related coupons that it will duly and punctually pay the principal of (and premium, if any) and interest on the Debt Securities and any related coupons in accordance with the terms of the Debt Securities, any related coupons and this Indenture. Any interest due on Bearer Securities on or before Maturity, other than additional amounts, if any, payable as provided in Section 1004 in respect of principal of (or premium, if any, on) such a Debt Security, shall be payable only upon presentation and surrender of the several coupons for such interest installments as are evidenced thereby as they severally mature.

Section 10.02 *Maintenance of Office or Agency.*

The Company will maintain in each Place of Payment for any series of Debt Securities an office or agency where Debt Securities (but, except as otherwise provided below, unless such Place of Payment is located outside the United States, not Bearer Securities) may be presented or

surrendered for payment, where Debt Securities may be surrendered for registration of transfer or exchange and where notices and demands to or upon the Company in respect of the Debt Securities and this Indenture may be served. If Debt Securities of a series are issuable as Bearer Securities, the Company will maintain, subject to any laws or regulations applicable thereto, an office or agency in a Place of Payment for such series which is located outside the United States where Debt Securities of such series and the related coupons may be presented and surrendered for payment (including payment of any additional amounts payable on Debt Securities of such series pursuant to Section 1004); *provided, however*, that if the Debt Securities of such series are listed on any stock exchange located outside the United States and such stock exchange shall so require, the Company will maintain a Paying Agent in any required city located outside the United States so long as the Debt Securities of such series are listed on such exchange. The Company will give prompt written notice to the Trustee of the location, and any change in the location, of any such office or agency. If at any time the Company shall fail to maintain any such required office or agency or shall fail to furnish the Trustee with the address thereof, such presentations, surrenders, notices or demands may be made or served at the Corporate Trust Office of the Trustee, and the Company hereby appoints the Trustee its agent to receive all presentations, surrenders, notices and demands, except that Bearer Securities of that series and the related coupons may be presented and surrendered for payment (including payment of any additional amounts payable on Bearer Securities of that series pursuant to Section 1004) at the place specified for the purpose pursuant to Section 301(5).

No payment of principal of, premium or interest on Bearer Securities shall be made at any office or agency of the Company in the United States or by check mailed to any address in the United States or by transfer to an account maintained with a bank located in the United States; *provided, however*, payment of principal of and any premium and interest denominated in Dollars (including additional amounts payable in respect thereof) on any Bearer Security may be made at an office or agency of, and designated by, the Company located in the United States if (but only if) payment of the full amount of such principal, premium, interest or additional amounts in Dollars at all offices outside the United States maintained for the purpose by the Company in accordance with this Indenture is illegal or effectively precluded by exchange controls or other similar restrictions and the Trustee receives an Opinion of Counsel that such payment within the United States is legal. Unless otherwise provided as contemplated by Section 301 with respect to any series of Debt Securities, at the option of the Holder of any Bearer Security or related coupon, payment may be made by check in the currency designated for such payment pursuant to the terms of such Bearer Security presented or mailed to an address outside the United States or by transfer to an account in such currency maintained by the payee with a bank located outside the United States.

The Company may also from time to time designate one or more other offices or agencies (in or outside of such Place of Payment) where the Debt Securities of one or more series and any related coupons (subject to the preceding paragraph) may be presented or surrendered for any or all such purposes, and may from time to time rescind such designations; *provided, however*, that no such designation or rescission shall in any manner relieve the Company of its obligation to maintain an office or agency in each Place of Payment for any series of Debt Securities for such purposes. The Company will give prompt written notice to the Trustee of any such designation and any change in the location of any such other office or agency.

Section 10.03 *Money for Debt Securities Payments to Be Held in Trust.*

If the Company shall at any time act as its own Paying Agent with respect to any series of Debt Securities, it will, on or before each due date of the principal of (and premium, if any) or interest on any of the Debt Securities of such series and any related coupons, segregate and hold in trust for the benefit of the Persons entitled thereto a sum sufficient to pay the principal (and premium, if any) or interest so becoming due until such sums shall be paid to such Persons or otherwise disposed of as herein provided, and will promptly notify the Trustee of its action or failure so to act.

Whenever the Company shall have one or more Paying Agents with respect to any series of Debt Securities, it will, on or before each due date of the principal of (and premium, if any) or interest on any of the Debt Securities of such series and any related coupons, deposit with a Paying Agent a sum sufficient to pay the principal (and premium, if any) or interest so becoming due, such sum to be held in trust for the benefit of the Persons entitled to such principal, premium or interest, and (unless such Paying Agent is the Trustee) the Company will promptly notify the Trustee of its action or failure so to act.

The Company will cause each Paying Agent with respect to any series of Debt Securities other than the Trustee to execute and deliver to the Trustee an instrument in which such Paying Agent shall agree with the Trustee, subject to the provisions of this Section, that such Paying Agent will

- (1) hold all sums held by it for the payment of the principal of (and premium, if any) or interest on Debt Securities of such series and any related coupons in trust for the benefit of the Persons entitled thereto until such sums shall be paid to such Persons or otherwise disposed of as herein provided;
- (2) give the Trustee notice of any default by the Company (or any other obligor upon the Debt Securities of such series or any related coupons) in the making of any payment of principal of (and premium, if any) or interest on the Debt Securities of such series or any related coupons; and
- (3) at any time during the continuance of any such default, upon the written request of the Trustee, forthwith pay to the Trustee all sums so held in trust by such Paying Agent.

The Company may at any time, for the purpose of terminating its obligations under this Indenture with respect to Debt Securities of any series or for any other purpose, pay, or by Company Order direct any Paying Agent to pay, to the Trustee all sums held in trust by the Company or such Paying Agent, such sums to be held by the Trustee upon the same trusts as those upon which such sums were held by the Company or such Paying Agent; and, upon such payment by any Paying Agent to the Trustee, such Paying Agent shall be released from all further liability with respect to such money.

Any principal and interest received on the Eligible Instruments deposited with the Trustee or any money deposited with the Trustee or any Paying Agent, or then held by the Company, in trust for the payment of the principal of (and premium, if any) or interest on any Debt Security of

any series or any related coupons or any money on deposit with the Trustee or any Paying Agent representing amounts deducted from the Redemption Price or Repayment Price with respect to unmatured coupons not presented upon redemption or exercise of the Holder's option for repayment pursuant to Section 1106 or 1303 and remaining unclaimed for two years after such principal (and premium, if any) or interest has become due and payable shall be paid to the Company on Company Request, or (if then held by the Company) shall be discharged from such trust; and the Holder of such Debt Security or any coupon appertaining thereto shall thereafter, as an unsecured general creditor, look only to the Company for payment thereof, and all liability of the Trustee or such Paying Agent with respect to such trust money (including the principal and interest received on Eligible Instruments deposited with the Trustee), and all liability of the Company as trustee thereof, shall thereupon cease; *provided, however*, that the Trustee or such Paying Agent, before being required to make any such repayment, may at the expense of the Company cause to be published once, in an Authorized Newspaper of general circulation in the [Borough of Manhattan, The City of New York], and each Place of Payment or mailed to each such Holder, or both, notice that such money remains unclaimed and that, after a date specified therein, which shall not be less than 30 days from the date of such publication or mailing, any unclaimed balance of such money then remaining will be repaid to the Company.

Section 10.04 *Payment of Additional Amounts.*

If the Debt Securities of a series provide for the payment of additional amounts, the Company will pay to the Holder of any Debt Security of any series or any coupon appertaining thereto additional amounts upon the terms and subject to the conditions provided therein. Whenever in this Indenture there is mentioned, in any context, the payment of the principal of (or premium, if any) or interest on, or in respect of, any Debt Security of any series or any related coupon or the net proceeds received on the sale or exchange of any Debt Security of any series, such mention shall be deemed to include mention of the payment of additional amounts provided for in the terms of such Debt Securities and this Section to the extent that, in such context, additional amounts are, were or would be payable in respect thereof pursuant to the provisions of this Section and express mention of the payment of additional amounts (if applicable) in any provisions hereof shall not be construed as excluding additional amounts in those provisions hereof where such express mention is not made.

If the Debt Securities of a series provide for the payment of additional amounts, at least 10 days prior to the first Interest Payment Date with respect to that series of Debt Securities (or if the Debt Securities of that series will not bear interest prior to Maturity, the first day on which a payment of principal (and premium, if any) is made), and at least 10 days prior to each date of payment of principal (and premium, if any) or interest if there has been any change with respect to the matters set forth in the below-mentioned Officers' Certificate, the Company will furnish the Trustee and the Company's principal Paying Agent or Paying Agents, if other than the Trustee, with an Officers' Certificate instructing the Trustee and such Paying Agent or Paying Agents whether such payment of principal of (and premium, if any) or interest on the Debt Securities of that series shall be made to Holders of Debt Securities of that series or the related coupons who are United States Aliens without withholding for or on account of any tax, assessment or other governmental charge described in the Debt Securities of that series. If any such withholding shall be required, then such Officers' Certificate shall specify by country the amount, if any, required to be withheld on such payments to such Holders of Debt Securities or

coupons and the Company will pay to the Trustee or such Paying Agent the additional amounts, if any, required by the terms of such Debt Securities and the first paragraph of this Section. The Company covenants to indemnify the Trustee and any Paying Agent for, and to hold them harmless against, any loss, liability or expense reasonably incurred without negligence or bad faith on their part arising out of or in connection with actions taken or omitted by any of them in reliance on any Officers' Certificate furnished pursuant to this Section.

Section 10.05 *Officers' Certificate as to Default.*

The Company will deliver to the Trustee, on or before a date not more than four months after the end of each fiscal year of the Company ending after the date hereof, an Officers' Certificate, stating whether or not to the best knowledge of the signers thereof the Company is in default in the performance and observance of any of the terms, provisions and conditions of this Indenture, and, if the Company shall be in default, specifying all such defaults and the nature thereof of which they may have knowledge.

Section 10.06 *Waiver of Certain Covenants.*

The Company may omit in any particular instance to comply with any covenant or condition applicable to the Debt Securities of any series pursuant to Section 301 unless such covenant or condition is determined pursuant to Section 301 not to be subject to this provision if, before the time for such compliance the Holders of at least a majority in principal amount of all series of the Debt Securities at the time Outstanding to which such covenant or condition applies shall, acting together as a class, by Act of such Holders, either waive such compliance in such instance or generally waive compliance with such covenant or condition, but no such waiver shall extend to or affect such covenant or condition except to the extent so expressly waived, and, until such waiver shall become effective, the obligations of the Company and the duties of the Trustee in respect of any such covenant or condition shall remain in full force and effect.

ARTICLE ELEVEN
Redemption of Debt Securities

Section 11.01 *Applicability of Article.*

Debt Securities of any series which are redeemable before their Stated Maturity shall be redeemable in accordance with their terms and (except as otherwise specified as contemplated by Section 301 for Debt Securities of any series) in accordance with this Article.

Section 11.02 *Election to Redeem; Notice to Trustee.*

The election of the Company to redeem any Debt Securities shall be evidenced by a Board Resolution. In case of any redemption at the election of the Company of less than all of the Debt Securities of any series, the Company shall, at least 45 days prior to the Redemption Date fixed by the Company (unless a shorter notice shall be satisfactory to the Trustee), notify the Trustee of such Redemption Date and of the principal amount and the tenor and terms of the Debt Securities of any series to be redeemed. In the case of any redemption of Debt Securities prior to the expiration of any restriction on such redemption provided in the terms of such Debt

Securities or elsewhere in this Indenture, the Company shall furnish the Trustee with an Officers' Certificate evidencing compliance with such restriction.

Section 11.03 *Selection by Trustee of Debt Securities to be Redeemed.*

Except as otherwise specified as contemplated by Section 301 for Debt Securities of any series, if less than all the Debt Securities of any series with like tenor and terms are to be redeemed, the particular Debt Securities to be redeemed shall be selected not more than 60 days prior to the Redemption Date by the Trustee, from the Outstanding Debt Securities of such series with like tenor and terms not previously called for redemption, by such method as the Trustee shall deem fair and appropriate and which may provide for the selection for redemption of portions (equal to the minimum authorized denomination for Debt Securities of such series or any integral multiple thereof which is also an authorized denomination) of the principal amount of Registered Securities or Bearer Securities (if issued in more than one authorized denomination) of such series of a denomination larger than the minimum authorized denomination for Debt Securities of such series.

The Trustee shall promptly notify the Company in writing of the Debt Securities selected for redemption and, in the case of any Debt Securities selected for partial redemption, the principal amount thereof to be redeemed.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the redemption of Debt Securities shall relate, in the case of any Debt Security redeemed or to be redeemed only in part, to the portion of the principal amount of such Debt Security which has been or is to be redeemed.

Section 11.04 *Notice of Redemption.*

Notice of redemption shall be given in the manner provided in Section 106 not less than 30 nor more than 60 days prior to the Redemption Date, to each Holder of Debt Securities to be redeemed.

All notices of redemption shall state:

- (1) the Redemption Date;
- (2) the Redemption Price;
- (3) if less than all Outstanding Debt Securities of any series are to be redeemed, the identification (and, in the case of partial redemption, the principal amounts) of the particular Debt Securities to be redeemed;
- (4) that on the Redemption Date the Redemption Price will become due and payable upon each such Debt Security to be redeemed, and that interest thereon shall cease to accrue on and after said date;

(5) the Place or Places of Payment where such Debt Securities, together in the case of Bearer Securities with all coupons, if any, appertaining thereto maturing after the Redemption Date, are to be surrendered for payment of the Redemption Price;

(6) that Bearer Securities may be surrendered for payment only at such place or places which are outside the United States, except as otherwise provided in Section 1002;

(7) that the redemption is for a sinking fund, if such is the case; and

(8) the CUSIP number, if any.

A notice of redemption published as contemplated by Section 106 need not identify particular Registered Securities to be redeemed.

Notice of redemption of Debt Securities to be redeemed at the election of the Company shall be given by the Company, or, at the Company's request, by the Trustee in the name and at the expense of the Company.

Section 11.05 *Deposit of Redemption Price.*

On or prior to any Redemption Date, the Company shall deposit with the Trustee or with a Paying Agent (or, if the Company is acting as its own Paying Agent, segregate and hold in trust as provided in Section 1003) an amount of money and/or, to the extent the Debt Securities to be redeemed are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of the Debt Securities to be redeemed) will provide money on or prior to the Redemption Date in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay the Redemption Price of, and (except if the Redemption Date shall be an Interest Payment Date) accrued interest on, all the Debt Securities or portions thereof which are to be redeemed on that date; *provided, however*, that deposits with respect to Bearer Securities shall be made with a Paying Agent or Paying Agents located outside the United States except as otherwise provided in Section 1002, unless otherwise specified as contemplated by Section 301.

Section 11.06 *Debt Securities Payable on Redemption Date.*

Notice of redemption having been given as aforesaid, the Debt Securities to be redeemed shall, on the Redemption Date, become due and payable at the Redemption Price therein specified and from and after such date (unless the Company shall default in the payment of the Redemption Price and accrued interest) such Debt Securities shall cease to bear interest and the coupons for such interest appertaining to any Bearer Securities so to be redeemed, except to the extent provided below, shall be void. Upon surrender of any such Debt Security for redemption in accordance with said notice, such Debt Security shall be paid by the Company at the Redemption Price, together with accrued interest to the Redemption Date; *provided, however*, that installments of interest on Bearer Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable only upon presentation and surrender of coupons for such interest (at an office or agency located outside the United States except as otherwise provided in

Section 1002), and *provided further*, that installments of interest on Registered Securities whose Stated Maturity is on or prior to the Redemption Date shall be payable to the Holders of such Debt Securities, or one or more Predecessor Securities, registered as such on the relevant Record Dates according to their terms and the provisions of Section 307.

If any Bearer Security surrendered for redemption shall not be accompanied by all related coupons maturing after the Redemption Date, such Bearer Security may be paid after deducting from the Redemption Price an amount equal to the face amount of all such missing coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Bearer Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made from the Redemption Price, such Holder shall be entitled to receive the amount so deducted without interest thereon; *provided, however*, that interest represented by coupons shall be payable only upon presentation and surrender of those coupons at an office or agency located outside of the United States except as otherwise provided in Section 1002.

If any Debt Security called for redemption shall not be so paid upon surrender thereof for redemption, the principal (and premium, if any) shall, until paid, bear interest from the Redemption Date at the rate prescribed therefor in the Debt Security.

Section 11.07 *Debt Securities Redeemed in Part.*

Any Registered Security which is to be redeemed only in part shall be surrendered at a Place of Payment therefor (with, if the Company, the Security Registrar or the Trustee so requires, due endorsement by, or a written instrument of transfer in form satisfactory to the Company, the Security Registrar and the Trustee duly executed by, the Holder thereof or his attorney duly authorized in writing), and the Company shall execute, and the Trustee shall authenticate and deliver to the Holder of such Debt Security without service charge, a new Registered Security or Registered Securities of the same series and of like tenor and terms, of any authorized denominations as requested by such Holder in aggregate principal amount equal to and in exchange for the unredeemed portion of the principal of the Debt Security so surrendered.

ARTICLE TWELVE
Sinking Funds

Section 12.01 *Applicability of Article.*

The provisions of this Article shall be applicable to any sinking fund for the retirement of Debt Securities of a series except as otherwise specified as contemplated by Section 301 for Debt Securities of such series.

The minimum amount of any sinking fund payment provided for by the terms of Debt Securities of any series is herein referred to as a “mandatory sinking fund payment”, and any payment in excess of such minimum amount provided for by the term of Debt Securities of any series is herein referred to as an “optional sinking fund payment”. If provided for by the terms of

Debt Securities of any series, the amount of any sinking fund payment may be subject to reduction as provided in Section 1202. Each sinking fund payment shall be applied to the redemption of Debt Securities of any series as provided for by the terms of Debt Securities of such series.

Section 12.02 *Satisfaction of Sinking Fund Payments with Debt Securities.*

The Company (1) may deliver Outstanding Debt Securities of a series (other than any previously called for redemption), together in the case of any Bearer Securities of such series with all unmatured coupons appertaining thereto, and (2) may apply as a credit Debt Securities of a series which have been redeemed either at the election of the Company pursuant to the terms of such Debt Securities or through the application of permitted optional sinking fund payments pursuant to the terms of such Debt Securities, in each case in satisfaction of all or any part of any sinking fund payment with respect to the Debt Securities of such series required to be made pursuant to the terms of such Debt Securities as provided for by the terms of such series; *provided* that such Debt Securities have not been previously so credited. Such Debt Securities shall be received and credited for such purpose by the Trustee at the Redemption Price specified in such Debt Securities for redemption through operation of the sinking fund and the amount of such sinking fund payment shall be reduced accordingly. If as a result of the delivery or credit of Debt Securities in lieu of cash payments pursuant to this Section 1202, the principal amount of Debt Securities to be redeemed in order to exhaust the aforesaid cash payment shall be less than \$100,000, the Trustee need not call Debt Securities for redemption, except upon Company Request, and such cash payment shall be held by the Trustee or a Paying Agent and applied to the next succeeding sinking fund payment, *provided, however,* that the Trustee or such Paying Agent shall at the request of the Company from time to time pay over and deliver to the Company any cash payment so being held by the Trustee or such Paying Agent upon delivery by the Company to the Trustee of Debt Securities purchased by the Company having an unpaid principal amount equal to the cash payment requested to be released to the Company.

Section 12.03 *Redemption of Debt Securities for Sinking Fund.*

Not less than 60 days prior to each sinking fund payment date for any series of Debt Securities (unless a shorter period shall be satisfactory to the Trustee), the Company will deliver to the Trustee an Officers' Certificate specifying the amount of the next ensuing sinking fund payment for that series pursuant to the terms of that series, the portion thereof, if any, which is to be satisfied by payment of cash, the portion thereof, if any, which is to be satisfied by crediting Debt Securities of that series pursuant to Section 1202 and the basis for any such credit and, prior to or concurrently with the delivery of such Officers' Certificate, will also deliver to the Trustee any Debt Securities to be so credited and not theretofore delivered to the Trustee. Not less than 30 days (unless a shorter period shall be satisfactory to the Trustee) before each such sinking fund payment date the Trustee shall select the Debt Securities to be redeemed upon such sinking fund payment date in the manner specified in Section 1103 and cause notice of the redemption thereof to be given in the name of and at the expense of the Company in the manner provided in Section 1104. Such notice having been duly given, the redemption of such Debt Securities shall be made upon the terms and in the manner stated in Sections 1105, 1106 and 1107.

ARTICLE THIRTEEN
Repayment at the Option of Holders

Section 13.01 *Applicability of Article.*

Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity shall be repaid in accordance with their terms and (except as otherwise specified pursuant to Section 301 for Debt Securities of such series) in accordance with this Article.

Section 13.02 *Repayment of Debt Securities.*

Each Debt Security which is subject to repayment in whole or in part at the option of the Holder thereof on a Repayment Date shall be repaid at the applicable Repayment Price together with interest accrued to such Repayment Date as specified pursuant to Section 301.

Section 13.03 *Exercise of Option; Notice.*

Each Holder desiring to exercise such Holder's option for repayment shall, as conditions to such repayment, surrender the Debt Security to be repaid in whole or in part together with written notice of the exercise of such option at any office or agency of the Company in a Place of Payment, not less than 30 nor more than 45 days prior to the Repayment Date; *provided, however,* that surrender of Bearer Securities together with written notice of exercise of such option shall be made at an office or agency located outside the United States except as otherwise provided in Section 1002. Such notice, which shall be irrevocable, shall specify the principal amount of such Debt Security to be repaid, which shall be equal to the minimum authorized denomination for such Debt Security or an integral multiple thereof, and shall identify the Debt Security to be repaid and, in the case of a partial repayment of the Debt Security, shall specify the denomination or denominations of the Debt Security or Debt Securities of the same series to be issued to the Holder for the portion of the principal of the Debt Security surrendered which is not to be repaid.

If any Bearer Security surrendered for repayment shall not be accompanied by all unmatured coupons and all matured coupons in default, such Bearer Security may be paid after deducting from the Repayment Price an amount equal to the face amount of all such missing coupons, or the surrender of such missing coupon or coupons may be waived by the Company and the Trustee if there be furnished to them such security or indemnity as they may require to save each of them and any Paying Agent harmless. If thereafter the Holder of such Bearer Security shall surrender to the Trustee or any Paying Agent any such missing coupon in respect of which a deduction shall have been made from the Repayment Price, such Holder shall be entitled to receive the amount so deducted without interest thereon; *provided, however,* that interest represented by coupons shall be payable only at an office or agency located outside the United States except as otherwise provided in Section 1002.

The Company shall execute and the Trustee shall authenticate and deliver without service charge to the Holder of any Registered Security so surrendered a new Registered Security or Securities of the same series, of any authorized denomination specified in the foregoing notice,

in an aggregate principal amount equal to any portion of the principal of the Registered Security so surrendered which is not to be repaid.

The Company shall execute and the Trustee shall authenticate and deliver without service charge to the Holder of any Bearer Security so surrendered a new Registered Security or Securities or new Bearer Security or Securities (and all related unmatured coupons and matured coupons in default) or any combination thereof of the same series of any authorized denomination or denominations specified in the foregoing notice, in an aggregate principal amount equal to any portion of the principal of the Debt Security so surrendered which is not to be paid; *provided, however*, that the issuance of a Registered Security therefor shall be subject to applicable laws and regulations, including provisions of the United States Federal income tax laws and regulations in effect at the time of the exchange; neither the Company, the Trustee nor the Security Registrar shall issue Registered Securities for Bearer Securities if it has received an Opinion of Counsel that as a result of such issuance the Company would suffer adverse consequences under the United States Federal income tax laws then in effect and the Company has delivered to the Trustee a Company Order directing the Trustee not to make such issuances thereafter unless and until the Trustee receives a subsequent Company Order to the contrary. The Company shall deliver copies of such Company Order to the Security Registrar.

For all purposes of this Indenture, unless the context otherwise requires, all provisions relating to the repayment of Debt Securities shall relate, in the case of any Debt Security repaid or to be repaid only in part, to the portion of the principal of such Debt Security which has been or is to be repaid.

Section 13.04 *Election of Repayment by Remarketing Entities.*

The Company may elect, with respect to Debt Securities of any series which are repayable at the option of the Holders thereof before their Stated Maturity, at any time prior to any Repayment Date to designate one or more Remarketing Entities to purchase, at a price equal to the Repayment Price, Debt Securities of such series from the Holders thereof who give notice and surrender their Debt Securities in accordance with Section 1303.

Section 13.05 *Securities Payable on the Repayment Date.*

Notice of exercise of the option of repayment having been given and the Debt Securities so to be repaid having been surrendered as aforesaid, such Debt Securities shall, unless purchased in accordance with Section 1304, on the Repayment Date become due and payable at the price therein specified and from and after the Repayment Date such Debt Securities shall cease to bear interest and shall be paid on the Repayment Date, and the coupons for such interest appertaining to Bearer Securities so to be repaid, except to the extent provided above, shall be void, unless the Company shall default in the payment of such price in which case the Company shall continue to be obligated for the principal amount of such Debt Securities and shall be obligated to pay interest on such principal amount at the rate borne by such Debt Securities from time to time until payment in full of such principal amount.

ARTICLE FOURTEEN
Meetings of Holders of Debt Securities

Section 14.01 *Purposes for Which Meetings May Be Called.*

If Debt Securities of a series are issuable in whole or in part as Bearer Securities, a meeting of Holders of Debt Securities of such series may be called at any time and from time to time pursuant to this Article to make, give or take any request, demand, authorization, direction, notice, consent, waiver or other Act provided by this Indenture to be made, given or taken by Holders of Debt Securities of such series.

Section 14.02 *Call, Notice and Place of Meetings.*

(a) The Trustee may at any time call a meeting of Holders of Debt Securities of any series issuable as Bearer Securities for any purpose specified in Section 1401, to be held at such time and at such place in the [Borough of Manhattan, The City of New York, or in London] as the Trustee shall determine. Notice of every meeting of Holders of Debt Securities of any series, setting forth the time and the place of such meeting and in general terms the action proposed to be taken at such meeting, shall be given, in the manner provided in Section 106, not less than 21 nor more than 180 days prior to the date fixed for the meeting.

(b) In case at any time the Company, pursuant to a Board Resolution, or the Holders of at least 10% in principal amount of the Outstanding Debt Securities of any series shall have requested the Trustee to call a meeting of the Holders of Debt Securities of such series for any purpose specified in Section 1401, by written request setting forth in reasonable detail the action proposed to be taken at the meeting, and the Trustee shall not have made the first publication of the notice of such meeting within 21 days after receipt of such request or shall not thereafter proceed to cause the meeting to be held as provided herein, then the Company or the Holders of Debt Securities of such series in the amount above specified, as the case may be, may determine the time and the place in the [Borough of Manhattan, The City of New York, or in London] for such meeting and may call such meeting for such purposes by giving notice thereof as provided in subsection (a) of this Section.

Section 14.03 *Persons Entitled to Vote at Meetings.*

To be entitled to vote at any meeting of Holders of Debt Securities of any series, a Person shall be (1) a Holder of one or more Outstanding Debt Securities of such series, or (2) a Person appointed by an instrument in writing as proxy for a Holder or Holders of one or more Outstanding Debt Securities of such series by such Holder or Holders. The only Persons who shall be entitled to be present or to speak at any meeting of Holders of Debt Securities of any series shall be the Persons entitled to vote at such meeting and their counsel, any representatives of the Trustee and its counsel and any representatives of the Company and its counsel.

Section 14.04 *Quorum; Action.*

The Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of a series shall constitute a quorum for a meeting of Holders of Debt Securities of such series. In the absence of a quorum within 30 minutes of the time appointed for any such

meeting, the meeting shall, if convened at the request of Holders of Debt Securities of such series, be dissolved. In the absence of a quorum in any other case the meeting may be adjourned for a period of not less than 10 days as determined by the chairperson of the meeting prior to the adjournment of such meeting. In the absence of a quorum at any such adjourned meeting, such adjourned meeting may be further adjourned for a period of not less than 10 days as determined by the chairperson of the meeting prior to the adjournment of such adjourned meeting. Notice of this reconvening of any adjourned meeting shall be given as provided in Section 1402(a), except that such notice need be given only once not less than five days prior to the date on which the meeting is scheduled to be reconvened. Notice of the reconvening of an adjourned meeting shall state expressly the percentage, as provided above, of the principal amount of the Outstanding Debt Securities of such series which shall constitute a quorum.

Except as limited by the proviso to Section 902, any resolution presented to a meeting or adjourned meeting duly reconvened at which a quorum is present as aforesaid may be adopted only by the affirmative vote of the Holders of majority in principal amount of the Outstanding Debt Securities of that series, *provided however*, that, except as limited by the proviso to Section 902, any resolution with respect to any request, demand, authorization, direction, notice, consent, waiver or other Act which this Indenture expressly provides may be made, given or taken by the Holders of a specified percentage, which is less than a majority, in principal amount of the Outstanding Debt Securities of a series may be adopted at a meeting or an adjourned meeting duly reconvened and at which a quorum is present as aforesaid by the affirmative vote of the Holders of such specified percentage in principal amount of the Outstanding Debt Securities of that series.

Any resolution passed or decision taken at any meeting of Holders of Debt Securities of any series duly held in accordance with this Section shall be binding on all the Holders of Debt Securities of such series and the related coupons, whether or not present or represented at the meeting.

Section 14.05 *Determination of Voting Rights; Conduct and Adjournment of Meetings.*

(a) Notwithstanding any other provisions of this Indenture, the Trustee may make such reasonable regulations as it may deem advisable for any meeting of Holders of Debt Securities of such series in regard to proof of the holding of Debt Securities of such series and of the appointment of proxies and in regard to the appointment and duties of inspectors of votes, the submission and examination of proxies, certificates and other evidence of the right to vote, and such other matters concerning the conduct of the meeting as it shall deem appropriate. Except as otherwise permitted or required by any such regulations, the holding of Debt Securities shall be proved in the manner specified in Section 104 and the appointment of any proxy shall be proved in the manner specified in Section 104 or, in the case of Bearer Securities, by having the signature of the person executing the proxy witnessed or guaranteed by any trust company, bank or banker authorized by Section 104 to certify to the holding of Bearer Securities. Such regulations may provide that written instruments appointing proxies, regular on their face, may be presumed valid and genuine without the proof specified in Section 104 or other proof.

(b) The Trustee shall, by an instrument in writing, appoint a temporary chairperson of the meeting, unless the meeting shall have been called by the Company or by

Holders of Debt Securities as provided in Section 1402(b), in which case the Company or the Holders of Debt Securities of the series calling the meeting, as the case may be, shall in like manner appoint a temporary chairperson. A permanent chairperson and a permanent secretary of the meeting shall be elected by vote of the Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of such series represented at the meeting.

(c) At any meeting each Holder of a Debt Security of such series or proxy shall be entitled to one vote for each \$1,000 principal amount (or the equivalent in Euro, any other composite currency or a Foreign Currency) of Debt Securities of such series held or represented by him; *provided, however*, that no vote shall be cast or counted at any meeting in respect of any Debt Security challenged as not Outstanding and ruled by the chairperson of the meeting not to be Outstanding. The chairperson of the meeting shall have no right to vote, except as a Holder of a Debt Security of such series or proxy.

(d) Any meeting of Holders of Debt Securities of any series duly called pursuant to Section 1402 at which a quorum is present may be adjourned from time to time by Persons entitled to vote a majority in principal amount of the Outstanding Debt Securities of such series represented at the meeting; and the meeting may be held as so adjourned without further notice.

Section 14.06 *Counting Votes and Recording Action of Meetings.*

The vote upon any resolution submitted to any meeting of Holders of Debt Securities of any series shall be by written ballots on which shall be subscribed the signatures of the Holders of Debt Securities of such series or of their representatives by proxy and the principal amounts and serial numbers of the Outstanding Debt Securities of such series held or represented by them. The permanent chairperson of the meeting shall appoint two inspectors of votes who shall count all votes cast at the meeting for or against any resolution and who shall make and file with the secretary of the meeting their verified written reports in triplicate of all votes cast at the meeting. A record, at least in triplicate, of the proceedings of each meeting of Holders of Debt Securities of any series shall be prepared by the secretary of the meeting and there shall be attached to said record the original reports of the inspectors of votes on any vote by ballot taken thereat and affidavits by one or more persons having knowledge of the facts setting forth a copy of the notice of the meeting and showing that said notice was given as provided in Section 1402 and, if applicable, Section 1401. Each copy shall be signed and verified by the affidavits of the permanent chairperson and secretary of the meeting and one such copy shall be delivered to the Company, and another to the Trustee to be preserved by the Trustee, the latter to have attached thereto the ballots voted at the meeting. Any record so signed and verified shall be conclusive evidence of the matters therein stated.

ARTICLE FIFTEEN
Defeasance

Section 15.01 *Termination of Company's Obligations.*

If this Section 1501 is specified, as contemplated by Section 301, to be applicable to any series of Debt Securities and if the Company deposits irrevocably in trust with the Trustee

money and/or, to the extent such Debt Securities are denominated and payable in Dollars only, Eligible Instruments the payments of principal and interest on which when due (and without reinvestment and providing no tax liability will be imposed upon the Trustee or the Holders of such Debt Securities) will provide money in such amounts as will (together with any money irrevocably deposited in trust with the Trustee, without investment) be sufficient to pay the principal of (and premium, if any) and any installment of principal of (and premium, if any) or interest when due on the Debt Securities of such series and any coupons appertaining thereto and any mandatory sinking fund, repayment or analogous payments thereon on the scheduled due dates therefor at the Stated Maturity thereof, the Company's obligations under any covenant determined pursuant to Section 301 to be subject to this Section shall terminate with respect to the Debt Securities of the series for which such deposit was made; *provided, however*, that (i) no Event of Default with respect to the Debt Securities of such series under Section 501(5) or 501(6) or event that with notice or lapse of time or both would constitute such an Event of Default shall have occurred and be continuing on such date, (ii) such deposit will not result in a breach of, or constitute a default under, this Indenture or any other agreement or instrument to which the Company is a party or by which it is bound, and (iii) such termination shall not relieve the Company of its obligations under the Debt Securities of such series and this Indenture to pay when due the principal of (and premium, if any) and interest and additional amounts on such Debt Securities and any coupons appertaining thereto if such Debt Securities or coupons are not paid (or payment is not provided for) when due from the money and Eligible Instruments (and the proceeds thereof) so deposited.

It shall be a condition to the deposit of cash and/or Eligible Instruments and the termination of the Company's obligations pursuant to the provisions of this Section with respect to the Debt Securities of any series under any covenant determined pursuant to Section 301 to be subject to this Section that the Company deliver to the Trustee (i) an Opinion of Counsel to the effect that: (a) Holders of Debt Securities of such series and any coupons appertaining thereto will not recognize income, gain or loss for Federal income tax purposes as a result of such deposit and termination and (b) such Holders (and future Holders) will be subject to tax in the same amount, manner and timing as if such deposit and termination had not occurred, (ii) an Officers' Certificate to the effect that under the laws in effect on the date such money and/or Eligible Instruments are deposited with the Trustee, the amount thereof will be sufficient, after payment of all Federal, state and local taxes in respect thereof payable by the Trustee, to pay principal (and premium, if any) and interest when due on the Debt Securities of such series and any coupons appertaining thereto; and (iii) an Officers' Certificate and an Opinion of Counsel, each stating that all conditions precedent herein provided for relating to the defeasance contemplated in this Section have been complied with.

It shall be an additional condition to the deposit of cash and/or Eligible Instruments and the termination of the Company's obligations pursuant to the provisions of this Section under any covenant determined pursuant to Section 301 to be subject to this Section, with respect to the Debt Securities of any series then listed, that the Company deliver an Opinion of Counsel that the Debt Securities of such series will not be delisted as a result of such deposit and termination.

After a deposit as provided herein, the Trustee shall, upon Company Request, acknowledge in writing the discharge of the Company's obligations pursuant to the provisions of

this Section with respect to the Debt Securities of such series under any covenant determined pursuant to Section 301 to be subject to this Section.

Section 15.02 *Repayment to Company.*

The Trustee and any Paying Agent shall promptly pay to the Company upon Company Request any money or Eligible Instruments not required for the payment of the principal of (and premium, if any) and interest on the Debt Securities of any series and any related coupons for which money or Eligible Instruments have been deposited pursuant to Section 1501 held by them at any time.

The Trustee and any Paying Agent shall promptly pay to the Company upon Company Request any money held by them for the payment of principal (and premium, if any) and interest that remains unclaimed for two years after the Maturity of the Debt Securities for which a deposit has been made pursuant to Section 1501. After such payment to the Company, the Holders of the Debt Securities of such series and any related coupons shall thereafter, as unsecured general creditors, look only to the Company for the payment thereof.

Section 15.03 *Indemnity for Eligible Instruments.*

The Company shall pay and shall indemnify the Trustee against any tax, fee or other charge imposed on or assessed against the deposited Eligible Instruments or the principal or interest received on such Eligible Instruments.

ARTICLE SIXTEEN
Subordination of Debt Securities

Section 16.01 *Debt Securities Subordinate to Senior Debt.*

The Company covenants and agrees that anything in this Indenture or the Debt Securities of any series to the contrary notwithstanding, the indebtedness evidenced by the Debt Securities of each series and any coupons appurtenant thereto is subordinate and junior in right of payment to all Senior Debt to the extent provided herein, and each Holder of Debt Securities of each series and coupons appurtenant thereto, by such Holder's acceptance thereof, likewise covenants and agrees to the subordination herein provided and shall be bound by the provisions hereof. Senior Debt shall continue to be Senior Debt and entitled to the benefits of these subordination provisions irrespective of any amendment, modification or waiver of any term of the Senior Debt or extension or renewal of the Senior Debt.

In the event of

- (i) any insolvency, bankruptcy, receivership, liquidation, reorganization, readjustment, composition or other similar proceeding relating to the Company, its creditors or its property,
- (ii) any proceeding for the liquidation, dissolution or other winding up of the Company, voluntary or involuntary, whether or not involving insolvency or bankruptcy proceedings,

(iii) any assignment by the Company for the benefit of creditors, or (iv) any other marshalling of the assets of the Company, all Senior Debt (including any interest thereon accruing after the commencement of any such proceedings) shall first be paid in full before any payment or distribution, whether in cash, securities or other property, shall be made to any Holder of any of the Debt Securities or coupons appurtenant thereto on account thereof. Any payment or distribution, whether in cash, securities or other property (other than securities of the Company or any other corporation provided for by a plan of reorganization or readjustment the payment of which is subordinate, at least to the extent provided in these subordination provisions with respect to the indebtedness evidenced by the Debt Securities, to the payment of all Senior Debt at the time outstanding and to any securities issued in respect thereof under any such plan of reorganization or readjustment), which would otherwise (but for these subordination provisions) be payable or deliverable in respect of the Debt Securities of any series or coupons appurtenant thereto shall be paid or delivered directly to the holders of Senior Debt in accordance with the priorities then existing among such holders until all Senior Debt (including any interest thereon accruing after the commencement of any such proceedings) shall have been paid in full. In the event of any such proceeding, after payment in full of all sums owing with respect to Senior Debt, the Holders of the Debt Securities and coupons appurtenant thereto, together with the holders of any obligations of the Company ranking on a parity with the Debt Securities, shall be entitled to be paid from the remaining assets of the Company the amounts at the time due and owing on account of unpaid principal of (and premium, if any) and interest on the Debt Securities and such other obligations before any payment or other distribution, whether in cash, property or otherwise, shall be made on account of any capital stock or any obligations of the Company ranking junior to the Debt Securities and such other obligations.

In the event that, notwithstanding the foregoing, any payment or distribution of any character or any security, whether in cash, securities or other property (other than securities of the Company or any other corporation provided for by a plan of reorganization or readjustment the payment of which is subordinate, at least to the extent provided in these subordination provisions with respect to the indebtedness evidenced by the Debt Securities, to the payment of all Senior Debt at the time outstanding and to any securities issued in respect thereof under any such plan of reorganization or readjustment), shall be received by the Trustee or any Holder in contravention of any of the terms hereof such payment or distribution or security shall be received in trust for the benefit of, and shall be paid over or delivered and transferred to, the holders of the Senior Debt at the time outstanding in accordance with the priorities then existing among such holders for application to the payment of all Senior Debt remaining unpaid, to the extent necessary to pay all such Senior Debt in full. In the event of the failure of the Trustee or any Holder to endorse or assign any such payment, distribution or security, each holder of Senior Debt is hereby irrevocably authorized to endorse or assign the same.

No present or future holder of any Senior Debt shall be prejudiced in the right to enforce subordination of the indebtedness evidenced by the Debt Securities by any act or failure to act on the part of the Company. Nothing contained herein shall impair, as between the Company and the Holders of Debt Securities of each series, the obligation of the Company to pay to such Holders the principal of (and premium, if any) and interest on such Debt Securities and coupons appurtenant thereto or prevent the Trustee or the Holder from exercising all rights, powers and

remedies otherwise permitted by applicable law or hereunder upon a default or Event of Default hereunder, all subject to the rights of the holders of the Senior Debt to receive cash, securities or other property otherwise payable or deliverable to the Holders.

Senior Debt shall not be deemed to have been paid in full unless the holders thereof shall have received cash, securities or other property equal to the amount of such Senior Debt then outstanding. Upon the payment in full of all Senior Debt, the Holders of Debt Securities of each series and coupons appurtenant thereto, if any, shall be subrogated to all rights of any holders of Senior Debt to receive any further payments or distributions applicable to the Senior Debt until the indebtedness evidenced by the Debt Securities of such series and coupons appertaining thereto, if any, shall have been paid in full, and such payments or distributions received by such Holders, by reason of such subrogation, of cash, securities or other property which otherwise would be paid or distributed to the holders of Senior Debt shall, as between the Company and its creditors other than the holders of Senior Debt, on the one hand, and such Holders, on the other hand, be deemed to be a payment by the Company on account of Senior Debt, and not on account of the Debt Securities of such series.

The Trustee and Holders will take such action (including, without limitation, the delivery of this Indenture to an agent for the holders of Senior Debt or consent to the filing of a financing statement with respect hereto) as may, in the opinion of counsel designated by the holders of a majority in principal amount of the Senior Debt at the time outstanding, be necessary or appropriate to assure the effectiveness of the subordination effected by these provisions.

The provisions of this Section 1601 shall not impair any rights, interests, remedies or powers of any secured creditor of the Company in respect of any security interest the creation of which is not prohibited by the provisions of this Indenture.

Section 16.02 *Trustee and Holders of Debt Securities May Rely on Certificate of Liquidating Agent; Trustee May Require Further Evidence as to Ownership of Senior Debt; Trustee Not Fiduciary to Holders of Senior Debt.*

Upon any payment or distribution of assets of the Company referred to in this Article Sixteen, the Trustee and the Holders shall be entitled to rely upon an order or decree made by any court of competent jurisdiction in which such dissolution or winding up or liquidation or reorganization or arrangement proceedings are pending or upon a certificate of the trustee in bankruptcy, receiver, assignee for the benefit of creditors or other Person making such payment or distribution, delivered to the Trustee or to the Holders, for the purpose of ascertaining the persons entitled to participate in such distribution, the holders of the Senior Debt and other indebtedness of the Company, the amount thereof or payable thereon, the amount or amounts paid or distributed thereon and all other facts pertinent thereto or to this Article Sixteen. In the absence of any such bankruptcy trustee, receiver, assignee or other Person, the Trustee shall be entitled to rely upon a written notice by a Person representing himself or herself to be a holder of Senior Debt (or a trustee or representative on behalf of such holder) as evidence that such Person is a holder of such Senior Debt (or is such a trustee or representative). In the event that the Trustee determines, in good faith, that further evidence is required with respect to the right of any Person as a holder of Senior Debt to participate in any payments or distributions pursuant to this Article Sixteen, the Trustee may request such person to furnish evidence to the reasonable

satisfaction of the Trustee as to the amount of Senior Debt held by such Person, as to the extent to which such Person is entitled to participate in such payment or distribution, and as to other facts pertinent to the rights of such Person under this Article Sixteen, and if such evidence is not furnished, the Trustee may offer any payment to such Person pending judicial determination as to the right of such Person to receive payment. The Trustee, however, shall not be deemed to owe any fiduciary duty to the holders of Senior Debt.

Section 16.03 *Payment Permitted If No Default.*

Nothing contained in this Article Sixteen or elsewhere in this Indenture, or in any of the Debt Securities, shall prevent (a) the Company at any time, except during the pendency of any dissolution, winding up, liquidation or reorganization proceedings referred to in Section 1601, from making payments of the principal of (or premium, if any) or interest on the Debt Securities or (b) the application by the Trustee or any Paying Agent of any moneys deposited with it hereunder to payments of the principal of or interest on the Debt Securities, if, at the time of such deposit, the Trustee or such Paying Agent, as the case may be, did not have the written notice provided for in Section 1604 of any event prohibiting the making of such deposit, or if, at the time of such deposit (whether or not in trust) by the Company with the Trustee or any Paying Agent (other than the Company) such payment would not have been prohibited by the provisions of this Article, and the Trustee or any Paying Agent shall not be affected by any notice to the contrary received by it on or after such date.

Section 16.04 *Trustee Not Charged with Knowledge of Prohibition.*

Anything in this Article Sixteen or elsewhere in this Indenture contained to the contrary notwithstanding, the Trustee shall not at any time be charged with knowledge of the existence of any facts which would prohibit the making of any payment of money to or by the Trustee and shall be entitled conclusively to assume that no such facts exist and that no event specified in Section 1601 has happened, until the Trustee shall have received an Officers' Certificate to that effect or notice in writing to that effect signed by or on behalf of the holder or holders, or their representatives, of Senior Debt who shall have been certified by the Company or otherwise established to the reasonable satisfaction of the Trustee to be such holder or holders or representatives or from any trustee under any indenture pursuant to which such Senior Debt shall be outstanding. The Company shall give prompt written notice to the Trustee and to the Paying Agent of any facts which would prohibit the payment of money to or by the Trustee or any Paying Agent.

Section 16.05 *Trustee to Effectuate Subordination.*

Each Holder of Debt Securities or coupons by such Holder's acceptance thereof authorizes and directs the Trustee in such Holder's behalf to take such action as may be necessary or appropriate to effectuate the subordination as between such Holder and holders of Senior Debt as provided in this Article and appoints the Trustee its attorney-in-fact for any and all such purposes.

Section 16.06 *Rights of Trustee as Holder of Senior Debt.*

The Trustee shall be entitled to all the rights set forth in this Article with respect to any Senior Debt which may at the time be held by it, to the same extent as any other holder of Senior Debt; *provided* that nothing in this Article shall deprive the Trustee of any rights as such holder and *provided further* that nothing in this Article shall apply to claims of, or payments to, the Trustee under or pursuant to Section 607.

Section 16.07 *Article Applicable to Paying Agents.*

In case at any time any Paying Agent other than the Trustee shall have been appointed by the Company and be then acting hereunder, the term "Trustee" as used in this Article shall in such case (unless the context shall otherwise require) be construed as extending to and including such Paying Agent within its meaning as fully for all intents and purposes as if the Paying Agent were named in this Article in addition to or in place of the Trustee, *provided, however*, that Sections 1604 and 1606 shall not apply to the Company or any Affiliate of the Company if the Company or such Affiliate acts as Paying Agent.

Section 16.08 *Subordination Rights Not Impaired by Acts or Omissions of the Company or Holders of Senior Debt.*

No right of any present or future holders of any Senior Debt to enforce subordination as herein provided shall at any time in any way be prejudiced or impaired by any act or failure to act on the part of the Company or by any act or failure to act, in good faith, by any such holder, or by any noncompliance by the Company with the terms, provisions and covenants of this Indenture, regardless of any knowledge thereof which any such holder may have or be otherwise charged with. The holders of Senior Debt may, at any time or from time to time and in their absolute discretion, change the manner, place or terms of payment, change or extend the time of payment of, or renew or alter, any such Senior Debt, or amend or supplement any instrument pursuant to which any such Senior Debt is issued or by which it may be secured, or release any security therefor, or exercise or refrain from exercising any other of their rights under the Senior Debt including, without limitation, the waiver of default thereunder, all without notice to or assent from the Holders of the Debt Securities or the Trustee and without affecting the obligations of the Company, the Trustee or the Holders of the Debt Securities under this Article.

IN WITNESS WHEREOF, the parties hereto have caused this Indenture to be duly executed as of the day and year first above written.

PINEAPPLE ENERGY INC.

By

[_____]

By

Its

Its

EXHIBIT A-1

[Form of Certificate of Beneficial Ownership by a
Non-United States Person or by Certain Other Persons]
Certificate
PINEAPPLE ENERGY INC.
[Insert title or sufficient description of
Debt Securities to be delivered]

Reference is hereby made to the Indenture dated as of [] (the "Indenture") between Pineapple Energy Inc. and [] (the "Trustee"), covering the above-captioned Debt Securities. This is to certify that as of the date hereof, _____ principal amount of Debt Securities credited to you for our account (i) is owned by persons that are not United States Persons, as defined below; (ii) is owned by United States Persons that are (a) foreign branches of United States financial institutions (as defined in U.S. Treasury Regulations Section 1.165-12(c)(1)(v)) ("financial institutions") purchasing for their own account or for resale, or (b) United States Persons who acquired the Debt Securities through foreign branches of United States financial institutions and who hold the Debt Securities through such United States financial institutions on the date hereof (and in either case (a) or (b), each such United States financial institution encloses herewith a certificate in the form of Exhibit A-2 to the Indenture); or (iii) is owned by United States or foreign financial institutions for purposes of resale during the restricted period (as defined in U.S. Treasury Regulations Section 1.163-5(c)(2)(i)(D)(7)), which United States or foreign financial institutions described in clause (iii) above (whether or not also described in clause (i) or (ii)) certify that they have not acquired the Debt Securities for purposes of resale directly or indirectly to a United States Person or to a person within the United States or its possessions.

[Insert if certificate does not relate to an interest payment--We undertake to advise you by telex followed by written confirmation if the above statement as to beneficial ownership is not correct on the date of delivery of the above-captioned Debt Securities in bearer form as to all of such Debt Securities with respect to such of said Debt Securities as then appear in your books as being held for our account.] We understand that this certificate is required in connection with United States tax laws. We irrevocably authorize you to produce this certificate or a copy hereof to any interested party in any administrative or legal proceedings with respect to the matters covered by this certificate. "United States Person" shall mean a citizen or resident of the United States of America (including the District of Columbia), a corporation, partnership or other entity created or organized in or under the laws of the United States or any political subdivision thereof or an estate or trust that is subject to United States Federal income taxation regardless of the source of its income.

[This certificate excepts and does not relate to principal amount of Debt Securities credited to you for our account and to which we are not now able to make the certification set forth above. We understand that definitive Debt Securities cannot be delivered and interest cannot be paid until we are able to so certify with respect to such principal amount of Debt Securities.]*

Dated:

[To be dated on or after _____ (the date determined as provided in the Indenture)]

[Name of Person Entitled to Receive Bearer Security]

(Authorized Signatory)

Name:

Title:

*Delete if inappropriate

EXHIBIT A-2

[Form of Certificate of Status as a
Foreign Branch of a United States Financial Institution]
Certificate
PINEAPPLE ENERGY INC.
[Insert title or sufficient description of
Debt Securities to be delivered]

Reference is hereby made to the Indenture dated as of [_____] (the "Indenture"), between Pineapple Energy Inc. and [_____] relating to the offering of the above-captioned Debt Securities (the "Debt Securities"). Unless herein defined, terms used herein have the same meaning as given to them in the Indenture.

The undersigned represents that it is a branch located outside the United States of a United States securities clearing organization, bank or other financial institution (as defined in U.S. Treasury Regulation Section 1.165-12(e)(1)(v)) that holds customers' securities in the ordinary course of its trade or business and agrees, and authorizes you to advise the issuer or the issuer's agent, that it will comply with the requirements of Section 165(j)(3)(A), (B) or (C) of the Internal Revenue Code of 1986 and the regulations thereunder and is not purchasing for resale directly or indirectly to a United States Person or to a person within the United States or its possessions. We undertake to advise you by tested telex followed by written confirmation if the statement in the immediately preceding sentence is not correct on the date of delivery of the above-captioned Debt Securities in bearer form.

We understand that this certificate is required in connection with the United States tax laws. We irrevocably authorize you to produce this certificate or a copy hereof to any interested party in any administrative or legal proceedings with respect to the matters covered by this certificate.

Dated:

[To be dated on or after _____ (the date determined as provided in the Indenture)]

[Name of Person Entitled to Receive Bearer Security]

(Authorized Signatory)

Name:

Title:

EXHIBIT B

[Form of Certificate to be Given by Euroclear and Clearstream
in Connection with the Exchange of All or a Portion of a
Temporary Global Security or to Obtain
Interest Prior to Exchange]
Certificate

PINEAPPLE ENERGY INC.

[Insert title or sufficient description of Debt Securities to be delivered]

We refer to that portion, , of the Global Security representing the above-captioned issue [which is herewith submitted to be exchanged for definitive Debt Securities]* [for which we are seeking to obtain payment of interest]* (the "Submitted Portion"). This is to certify, pursuant to the Indenture dated as of [] (the "Indenture") between Pineapple Energy Inc. and [] (the "Trustee"), that we have received in writing, by tested telex or by electronic transmission from member organizations with respect to each of the persons appearing in our records as being entitled to a beneficial interest in the Submitted Portion a Certificate of Beneficial Ownership by a Non-United States Person or by Certain Other Persons [and, in some cases, a Certificate of Status as a Foreign Branch of a United States Financial Institution, authorizing us to inform the issuer or the issuer's agent that it will comply with the requirements of Section 165(j)(3)(A), (B) or (C) of the Internal Revenue Code of 1986 and the regulations thereunder]* substantially in the form of Exhibit A-1 [and A-2]* to the Indenture.

We hereby request that you deliver to the office of _____ in _____ definitive Bearer Securities in the denominations on the attached Schedule A.

We further certify that as of the date hereof we have not received any notification from any of the persons giving such certificates to the effect that the statements made by them with respect to any part of the Submitted Portion are no longer true and cannot be relied on as of the date hereof.

Dated:

[
, as
Operator of the Euroclear System] [Clearstream]

By:

*Delete if inappropriate.



faegredrinker.com

Faegre Drinker Biddle & Reath llp

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 90 S. Seventh Street
 Minneapolis, Minnesota 55402
 +1 612 766 7000 main
 +1 612 766 1600 fax

August 25, 2022

Pineapple Energy Inc.
 10900 Red Circle Drive
 Minnetonka MN 55343

Ladies and Gentlemen:

We have acted as counsel to Pineapple Energy Inc., a Minnesota corporation (the “Company”), in connection with the Registration Statement on Form S-3 (the “Registration Statement”) being filed by the Company with the U.S. Securities and Exchange Commission (the “Commission”) under the Securities Act of 1933, as amended (the “Securities Act”).

The Registration Statement relates to (a) the issuance and sale from time to time by the Company, pursuant to Rule 415 of the Securities Act, of the following securities of the Company having an aggregate initial offering price of up to \$100,000,000: (i) shares of common stock, \$0.05 par value per share (“Common Stock”); (ii) shares of preferred stock, \$1.00 par value per share (“Preferred Stock”), in one or more classes or series; (iii) one or more series of senior debt securities (“Senior Debt Securities”); (iv) one or more series of subordinated debt securities (“Subordinated Debt Securities”) and, together with the Senior Debt Securities, the “Debt Securities”; (v) warrants to purchase shares of Common Stock, shares of Preferred Stock or Debt Securities (collectively, “Warrants”); (vi) units, consisting of Common Stock, Preferred Stock, Debt Securities, Purchase Contracts (as defined below), Warrants or Rights (as defined below) in any combination (the “Units”); (vii) purchase contracts for the purchase of Common Stock or other securities (the “Purchase Contracts”); and (viii) rights to purchase shares of Common Stock (“Rights”); and (b) the registration of the resale from time to time, pursuant to Rule 415 of the Securities Act, of an aggregate of 9,411,744 shares of Common Stock, which shares include (i) 200% of the 2,352,936 shares of Common Stock (the “Conversion Shares”) that are issuable to the selling stockholders named in the Registration Statement (the “Selling Stockholders”) upon conversion, at an initial conversion price of \$13.60 per share, of shares of the Company’s Series A Convertible Preferred Stock (the “Series A Preferred Stock”) sold by the Company pursuant to that certain Amended and Restated Stock Purchase Agreement dated September 15, 2021, by and among the Company and the purchasers thereto (the “Stock Purchase Agreement”), and issued by the Company pursuant to that Certificate of Designation of Preferences, Rights and Limitations relating to the Series A Preferred Stock filed as Exhibit 3.2 to the Registration Statement (the “Series A Certificate of Designation”); and (ii) 200% of the 2,352,936 shares of Common Stock (the “Warrant Shares” and, together with the Conversion Shares, the “Resale Shares”) that are issuable to the Selling Stockholders, at an initial exercise price of \$13.60 per share, upon the exercise of certain warrants, dated as of March 28, 2022, sold by the Company pursuant to the Stock Purchase Agreement (the “March 2022 Warrants”), which March 2022 Warrants are in the form filed as Exhibit 4.1 to the Registration Statement.

The Common Stock, Preferred Stock, Debt Securities, Warrants, Units, Purchase Contracts, Rights and Resale Shares are collectively referred to herein as the “Offered Securities.” The Offered Securities may be offered separately or together with other Offered Securities, in one or more series, and in amounts, at prices and on terms to be set forth in the prospectus and one or more supplements thereto constituting a part of the Registration Statement.

This opinion letter is being delivered in accordance with the requirements of Item 601(b)(5) of Regulation S-K.

Any Common Stock is to be issued under the Second Amended and Restated Articles of Incorporation of the Company as may be amended from time to time (the “Articles of Incorporation”). Any series of Preferred Stock is to be issued under the Articles of Incorporation and one or more certificates of designation thereto approved by the Board of Directors of the Company and filed with the Secretary of State of the State of Minnesota (each, a “Certificate of Designation”). Any series of Senior Debt Securities is to be issued pursuant to an indenture (the “Senior Indenture”) between the Company and a trustee to be named by the Company substantially in the form filed as Exhibit 4.4 to the Registration Statement, with appropriate insertions, and duly qualified under the Trust Indenture Act of 1939, as amended (the “Trust Indenture Act”). Any series of Subordinated Debt Securities is to be issued pursuant to an indenture (the “Subordinated Indenture”) between the Company and a trustee to be named by the Company substantially in the form filed as Exhibit 4.5 to the Registration Statement, with appropriate insertions, and duly qualified under the Trust Indenture Act. Any Warrants are to be issued pursuant to a warrant agreement (including, if applicable, a form of certificate evidencing the Warrants) (the “Warrant Agreement”), which will be filed as an exhibit to and incorporated by reference into the Registration Statement. Any Units are to be issued pursuant to a unit agreement (including, if applicable, a form of certificate evidencing the Units) (the “Unit Agreement”), which will be filed as an exhibit to and incorporated by reference into the Registration Statement. Any Purchase Contracts are to be issued pursuant to a stock purchase contract (including, if applicable, a form of certificate evidencing the Purchase Contracts) (the “Purchase Contract Agreement”), which will be filed as an exhibit to and incorporated by reference into the Registration Statement. Any Rights are to be issued pursuant to a rights agent agreement (including, if applicable, a form of certificate evidencing the Rights) (the “Rights Agreement”), which will be filed as an exhibit to and incorporated by reference into the Registration Statement. Any Conversion Shares are to be issued under the Articles of Incorporation and the Series A Certificate of Designation. Any Warrant Shares are to be issued under the Articles of Incorporation and in accordance with the terms and conditions of the applicable March 2022 Warrants.

The Articles of Incorporation, each Certificate of Designation, the Senior Indenture, any supplements thereto, the Subordinated Indenture, any supplements thereto, each Warrant Agreement, each Unit Agreement, each Purchase Contract Agreement, each Rights Agreement, the Series A Certificate of Designation and each of the March 2022 Warrants are referred to herein individually as a “Governing Document” and collectively as the “Governing Documents.”

As counsel for the Company, we are familiar with the Articles of Incorporation, the Series A Certificate of Designation and the Restated Bylaws of the Company (the “Bylaws”), each as amended to the date hereof, and we have reviewed originals, or copies certified or otherwise authenticated to our satisfaction, of (i) the Registration Statement, (ii) the form of Senior Indenture, (iii) the form of Subordinated Indenture, (iv) the Stock Purchase Agreement, (v) the March 2022 Warrants, and (vi) the proceedings taken by the Company in connection with the authorization of the Offered Securities. We have also examined originals, or copies certified or otherwise authenticated to our satisfaction, of such corporate records of the Company and other instruments, certificates of public officials and representatives of the Company, and other documents as we have deemed necessary as a basis for the opinions hereinafter expressed and have made such examination of statutes and decisions and reviewed such questions of law as we have deemed necessary or appropriate for the purposes of this opinion letter.

Based on and subject to the foregoing and to the other assumptions, qualifications and limitations set forth herein, we are of the opinion that:

1. With respect to the shares of Common Stock, including shares of Common Stock issuable in exchange for or upon conversion of Preferred Stock or Debt Securities or upon the exercise of Warrants or Rights or pursuant to Purchase Contracts or issued as a component of Units, but excluding the Resale Shares (the “Offered Common Stock”) when (i) a prospectus supplement and any other offering material with respect to the Offered Common Stock have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the issuance of the Offered Common Stock, (iv) the Offered Common Stock has been issued by the Company against payment of the agreed-upon consideration therefor in accordance with any relevant agreements and such corporate action, (v) in the case of Common Stock issuable in exchange for or upon conversion of Preferred Stock or Debt Securities or upon the exercise of Warrants or Rights or pursuant to Purchase Contracts or issued as a component of Units, the actions in respect of such Preferred Stock, Debt Securities, Warrants, Rights, Purchase Contracts or Units referred to in paragraph 2, 3, 4, 5, 6, 7 or 8 hereof (as the case may be) have been completed, and (vi) unless issued without certificates, certificates representing the Offered Common Stock have been duly executed by the duly authorized officers of the Company, countersigned by the transfer agent therefor and delivered to the purchasers thereof or other persons entitled thereto (or in the case of shares of Offered Common Stock issued without certificates, the due registration of issuance and constructive delivery through book entry of such shares), then, upon the happening of such events, such Offered Common Stock will be validly issued, fully paid and nonassessable.

2. With respect to the shares of any series of Preferred Stock, including shares of Preferred Stock issuable in exchange for or upon conversion of Debt Securities or upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units (the “Offered Preferred Stock”), when (i) a prospectus supplement and any other offering material with respect to the Offered Preferred Stock have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the issuance of the Offered Preferred Stock, to fix the terms thereof, and to authorize the execution and filing with the Secretary of State of the State of Minnesota of a Certificate of Designation relating thereto, (iv) such Certificate of Designation has been executed by duly authorized officers of the Company and so filed by the Company in accordance with the laws of the State of Minnesota, (v) the Offered Preferred Stock with terms so fixed has been issued by the Company against payment of the agreed-upon consideration therefor in accordance with any relevant agreements and such corporate action, (vi) in the case of Preferred Stock issuable in exchange for or upon conversion of Debt Securities or upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units, the actions in respect of such Debt Securities, Warrants, Purchase Contracts or Units referred to in paragraph 3, 4, 5, 7 or 8 hereof (as the case may be) have been completed, and (vii) unless issued without certificates, certificates representing the Offered Preferred Stock have been duly executed by the duly authorized officers of the Company, countersigned by the transfer agent therefor and delivered to the purchasers thereof or other persons entitled thereto (or in the case of shares of Offered Preferred Stock issued without certificates, the due registration of issuance and constructive delivery through book entry of such shares), then, upon the happening of such events, such Offered Preferred Stock will be validly issued, fully paid and nonassessable.

3. With respect to any series of Senior Debt Securities, including Senior Debt Securities issuable upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units, when (i) a prospectus supplement and any other offering material with respect to such series of Senior Debt Securities have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the issuance and terms of such series of Senior Debt Securities and related matters and to authorize the execution and delivery of the Senior Indenture and a supplement to the Senior Indenture with respect to such series of Senior Debt Securities, (iv) the Senior Indenture and a supplement to the Senior Indenture with respect to such series of Senior Debt Securities have been duly executed and delivered by the Company and the trustee, (v) such Senior Debt Securities have been duly executed and authenticated in accordance with the provisions of the Senior Indenture, as supplemented, and duly delivered to the purchasers thereof or other persons entitled thereto upon payment of the agreed-upon consideration therefor in accordance with any relevant agreements and such corporate action, and (vi) in the case of Senior Debt Securities issuable upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units, the actions in respect of such Warrants, Purchase Contracts or Units referred to in paragraph 5, 7 or 8 hereof (as the case may be) have been completed, then, upon the happening of such events, such Senior Debt Securities will be valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

4. With respect to any series of Subordinated Debt Securities, including Subordinated Debt Securities issuable upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units, when (i) a prospectus supplement and any other offering material with respect to such series of Subordinated Debt Securities have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the issuance and terms of such series of Subordinated Debt Securities and related matters and to authorize the execution and delivery of the Subordinated Indenture and a supplement to the Subordinated Indenture with respect to such series of Subordinated Debt Securities, (iv) the Subordinated Indenture and a supplement to the Subordinated Indenture with respect to such series of Subordinated Debt Securities have been duly executed and delivered by the Company and the trustee, (v) such Subordinated Debt Securities have been duly executed and authenticated in accordance with the provisions of the Subordinated Indenture, as supplemented, and duly delivered to the purchasers thereof or other persons entitled thereto upon payment of the agreed-upon consideration therefor in accordance with any relevant agreements and such corporate action, and (vi) in the case of Subordinated Debt Securities issuable upon the exercise of Warrants or pursuant to Purchase Contracts or issued as a component of Units, the actions in respect of such Warrants, Purchase Contracts or Units referred to in paragraph 5, 7 or 8 hereof (as the case may be) have been completed, then, upon the happening of such events, such Subordinated Debt Securities will be valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

5. With respect to any Warrants, including Warrants issued as a component of Units, when (i) a prospectus supplement and any other offering material with respect to such Warrants have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the form, terms, execution and delivery of a Warrant Agreement (including, if applicable, a form of certificate evidencing such Warrants) and the issuance of such Warrants, (iv) the Warrant Agreement has been duly executed and delivered by the Company and the warrant agent, (v) if applicable, certificates evidencing the Warrants with such terms are duly executed, attested, issued and delivered pursuant to such Warrant Agreement, (vi) the agreed-upon consideration therefor has been paid in accordance with the applicable Warrant Agreement and any other relevant agreements and such corporate action, and (vii) in the case of Warrants issued as a component of Units, the actions in respect of such Units referred to in paragraph 7 hereof have been completed, then, upon the happening of such events, such Warrants will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

6. With respect to any Rights, including Rights issued as a component of Units, when (i) a prospectus supplement and any other offering material with respect to such Rights have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the form, terms, execution and delivery of a Rights Agreement (including, if applicable, a form of certificate evidencing such Rights) and the issuance of such Rights, (iv) the Rights Agreement has been duly executed and delivered by the Company and the rights agent, (v) if applicable, certificates evidencing the Rights with such terms are duly executed, attested, issued and delivered pursuant to the Rights Agreement, (vi) the agreed-upon consideration therefor has been paid in accordance with the applicable Rights Agreement and any other relevant agreements and such corporate action, and (vii) in the case of Rights issued as a component of Units, the actions in respect of such Units referred to in paragraph 7 hereof have been completed, then, upon the happening of such events, such Rights will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

7. With respect to any Units, when (i) a prospectus supplement and any other offering material with respect to such Units have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the form, terms, execution and delivery of a Unit Agreement (including, if applicable, a form of certificate evidencing such Units) and the issuance of such Units, (iv) the Unit Agreement has been duly executed and delivered by the Company and the unit agent, (v) if applicable, certificates evidencing the Units with such terms are duly executed, attested, issued and delivered pursuant to the Unit Agreement, (vi) the agreed-upon consideration therefor has been paid in accordance with the applicable Unit Agreement and any other relevant agreements and such corporate action, and (vii) the actions in respect of any Common Stock, Preferred Stock, Debt Securities, Warrants, Rights and/or Purchase Contracts comprising such Units referred to in paragraphs 1, 2, 3, 4, 5, 6 and/or 8 hereof (as the case may be) have been completed, then, upon the happening of such events, such Units will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

8. With respect to any Purchase Contracts, including Purchase Contracts issued as a component of Units, when (i) a prospectus supplement and any other offering material with respect to such Purchase Contracts have been filed with the Commission in compliance with the Securities Act and the rules and regulations thereunder, (ii) any legally required consents, approvals, authorizations and other orders of the Commission and any other regulatory authorities are obtained, (iii) the appropriate corporate action has been taken by the Company to authorize the form, terms, execution and delivery of a Purchase Contract Agreement (including, if applicable, a form of certificate evidencing such Purchase Contracts) and the issuance of such Purchase Contracts, (iv) the Purchase Contract Agreement has been duly executed and delivered by the Company and the purchase contract agent, (v) if applicable, certificates evidencing the Purchase Contracts with such terms are duly executed, attested, issued and delivered pursuant to the Purchase Contract Agreement, (vi) the agreed-upon consideration therefor has been paid in accordance with the applicable Purchase Contract Agreement and any other relevant agreements and such corporate action, and (vii) in the case of Purchase Contracts issued as a component of Units, the actions in respect of such Units referred to in paragraph 7 hereof have been completed, then, upon the happening of such events, such Purchase Contracts will constitute valid and legally binding obligations of the Company, enforceable against the Company in accordance with their respective terms.

9. The Conversion Shares have been duly authorized by the Company under the laws of the State of Minnesota, and when shares of Series A Preferred Stock are duly converted by the holders thereof in accordance with the terms of the Series A Certificate of Designation and the Conversion Shares are issued by the Company under and in accordance with the terms of the Series A Certificate of Designation upon such conversion, such Conversion Shares will be validly issued, fully paid and nonassessable. The Warrant Shares have been duly authorized by the Company under the laws of the State of Minnesota, and when March 2022 Warrants are duly exercised by the holders thereof pursuant to and in accordance with the terms thereof, the Company receives the exercise price in full for such Warrant Shares as specified in the applicable March 2022 Warrants, and the Warrant Shares are issued by the Company in accordance with the terms of the applicable March 2022 Warrants, such Warrant Shares will be validly issued, fully paid and nonassessable.

The foregoing opinions are subject to the limitation that the validity, binding effect, or enforceability of the provisions of any agreement or instrument is limited by (i) applicable bankruptcy, insolvency, reorganization, assignment for the benefit of creditors, moratorium, fraudulent conveyance, fraudulent transfer, voidable transactions, receivership, and other laws of general application affecting the enforcement of creditors' rights, (ii) general principles of equity, including, without limitation, concepts of materiality, reasonableness, good faith, fair dealing, and the possible unavailability of specific performance, injunctive relief, or other equitable remedies, whether considered in a proceeding at law or in equity, (iii) public policy considerations that may limit the rights of parties to obtain specific remedies or enforce specific terms, and (iv) governmental authority to limit, delay or prohibit the making of payments outside the United States.

The foregoing opinions assume that (a) the Registration Statement and any amendments relating thereto shall have become effective under the Securities Act and will continue to be effective, (b) the Company will remain duly organized, validly existing and in good standing under the laws of the State of Minnesota, (c) at the time any Offered Securities or Governing Documents are authorized, issued, executed, authenticated, acknowledged, delivered or filed (as the case may be), (i) there will not have occurred any change in the law or in the Articles of Incorporation, including the Series A Certificate of Designation, or Bylaws affecting the authorization, issuance, execution, authentication, acknowledgement, delivery, filing, validity or enforceability of such Offered Securities or Governing Documents, and (ii) no relevant corporate actions will have been modified or rescinded, (d) none of the particular terms of any Offered Securities or Governing Documents established after the date hereof will violate, or be void or voidable under, any applicable law, (e) neither the authorization, issuance, execution, authentication, acknowledgement, delivery or filing of any Offered Securities or Governing Documents, nor the compliance by the Company with the terms of such Offered Securities or Governing Documents, will result in a violation of or default under any agreement or instrument then binding upon the Company or any order of any court or governmental body having jurisdiction over the Company then in effect, (f) the Offered Securities will be issued in accordance with, and in compliance with any limitations on issuance contained in, the corporate action related thereto, (g) the Company will have received legally sufficient consideration for all Offered Securities and the per share exercise price for the March 2022 Warrants will not fall below the minimum per share consideration permitted pursuant to Minnesota law, (h) each party to any Offered Securities or Governing Documents (other than the Company) will have duly authorized, executed and delivered such agreements or instruments and complied with all legal requirements pertaining to its status as such status relates to the right to enforce such agreements or instruments against the Company and will have satisfied those legal requirements applicable to it to the extent necessary to make such agreements or instruments enforceable against it, (i) the Senior Indenture and the Subordinated Indenture will have been qualified under the Trust Indenture Act, (j) the terms of the Offered Securities will be established in conformity with the applicable Governing Documents and the Offered Securities will be issued within the limits of the then remaining authorized but unreserved and unissued amounts of such Offered Securities under the Governing Documents, (k) any Offered Securities issuable upon conversion, exchange, or exercise of, or upon purchase pursuant to, any other Offered Securities will have been duly authorized and reserved for issuance (in each case, within the limits of the then remaining authorized but unreserved and unissued amounts of such Offered Securities), and any issuance of such Offered Securities will be effected in accordance with the terms and conditions set forth in such other Offered Securities and the Governing Documents related thereto, (l) at the time any Conversion Shares are issued upon the conversion of any shares of Series A Preferred Stock or any Warrant Shares are issued upon the exercise of any March 2022 Warrants, there will be sufficient authorized but unreserved and unissued shares of Common Stock remaining available for issuance under the Articles of Incorporation, (m) all certificates evidencing any Offered Securities will be in the form required by law and approved for issuance by the Company, (n) the Company will comply with all applicable notice requirements regarding uncertificated shares provided in the Minnesota Business Corporation Act, and (o) the Offered Securities will be duly registered on the books of the transfer agent and registrar thereof in the name and on behalf of the holders thereof.

We have relied upon certificates of public officials as to the accuracy of all matters addressed therein and, with respect to certain factual matters, upon certificates of and information provided by officers and employees of the Company as to the accuracy of such factual matters, in each case without independent verification thereof or other investigation. We have assumed, without investigation, the following: (a) the genuineness of signatures, including electronic signatures, appearing upon certifications, documents, and proceedings, (b) that each document submitted to us for review is accurate and complete, each such document that is an original is authentic and each such document that is a copy conforms to an authentic original, (c) the legal capacity of natural persons who are involved on behalf of the Company to enter into and perform the referenced instrument or agreement or to carry out their role in the transactions contemplated thereby, (d) the truth, accuracy and completeness of the information, representations and warranties contained in the documents, instruments, certificates and records we have reviewed, (e) the absence of any undisclosed modifications to the agreements and instruments reviewed by us, (f) that Minnesota law will be chosen to govern each Warrant Agreement, each Rights Agreement, each Purchase Contract Agreement and each Unit Agreement, and all Offered Securities issued thereunder and/or certificates evidencing such Offered Securities, and (g) that New York law has or will be chosen to govern the Senior Indenture, the Subordinated Indenture and all Debt Securities issued thereunder.

Without limiting any other qualifications set forth herein, the opinions expressed herein are subject to the effect of generally applicable laws that (a) provide for the enforcement of oral waivers or modifications where a material change of position in reliance thereon has occurred or provide that a course of performance may operate as a waiver, (b) limit the enforcement of provisions of instruments or agreements that purport to require waiver of the obligations of good faith, fair dealing, diligence and reasonableness, (c) limit the availability of a remedy under certain circumstances where another remedy has been elected, (d) limit the enforceability of provisions releasing, exculpating or exempting a party from, or requiring indemnification of or contribution to a party for, liability for its own action or inaction, to the extent the action or inaction involves negligence, recklessness, willful misconduct or unlawful conduct or insofar as such provisions otherwise contravene public policy, (e) may, where less than all of an instrument or agreement may be unenforceable, limit the enforceability of the balance of the instrument or agreement to circumstances in which the unenforceable portion is not an essential part of the agreed exchange, (f) govern and afford judicial discretion regarding the determination of damages and entitlement to attorneys' fees and other costs, (g) may permit a party who has materially failed to render or offer performance required by a contract to cure that failure unless either permitting a cure would unreasonably hinder the aggrieved party from making substitute arrangements for performance or it is important under the circumstances to the aggrieved party that performance occur by the date stated in the instrument or agreement, (h) may require mitigation of damages, (i) may limit the enforceability of certain waivers, and (j) provide a time limitation after which a remedy may not be enforced (i.e., statutes of limitation).

Although Debt Securities may be denominated in currencies or composite currencies other than the United States dollar, we express no opinion as to whether a court would award a judgment in a currency or composite currency other than United States dollars. Further, we express no opinion with respect to the enforceability of any provision specifying rates of exchange for, or requiring indemnity against loss in, converting into a specified currency or composite currency the proceeds or amount of a court judgment in another currency.

Our opinions set forth herein are limited to the laws of the State of Minnesota and, solely with respect to the Senior Indenture, the Subordinated Indenture and the Debt Securities, the laws of the State of New York, and we express no opinion as to the effect of any other laws.

This opinion letter is rendered as of the date first written above, and we assume no responsibility for updating this opinion letter or the opinions set forth herein to take into account any event, action, interpretation or change in law occurring subsequent to the date hereof that may affect the validity of such opinions. This opinion letter is expressly limited to the matters set forth above, and we render no opinion, whether by implication or otherwise, as to any other matters relating to the Company, the Offered Securities or the Governing Documents.

We hereby consent to the filing of this opinion letter as an exhibit to the Registration Statement and to being named in the Registration Statement under the caption "Legal Matters" with respect to the matters stated therein without implying or admitting that we are "experts" within the meaning of the Securities Act, or other rules and regulations of the Commission issued thereunder with respect to any part of the Registration Statement, including this exhibit.

Very Truly Yours,

FAEGRE DRINKER BIDDLE & REATH LLP

By: /s/ Jonathan R. Zimmerman

Jonathan R. Zimmerman, Partner

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in this Registration Statement on Form S-3 of Pineapple Energy Inc. of our report dated March 14, 2022, relating to the consolidated financial statements of Communications Systems, Inc. (n/k/a Pineapple Energy Inc.), appearing in the Annual Report on Form 10-K of Communications Systems, Inc. (n/k/a Pineapple Energy Inc.) for the year ended December 31, 2021.

We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ Baker Tilly US LLP

Minneapolis, Minnesota
August 25, 2022

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in this Registration Statement on Form S-3 of Pineapple Energy Inc. of our report dated May 16, 2022, relating to the financial statements of Pineapple Energy LLC, appearing in the Form 8 K/A of Pineapple Energy Inc. dated May 19, 2022.

We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ Baker Tilly US LLP

Minneapolis, Minnesota
August 25, 2022

Consent of Independent Registered Public Accounting Firm

We consent to the incorporation by reference in this Registration Statement on Form S-3 of Pineapple Energy Inc. of our report dated May 16, 2022, relating to the combined financial statements of Hawaii Energy Connection, LLC and E Gear, LLC, appearing in the Form 8 K/A of Pineapple Energy Inc. dated May 19, 2022.

We also consent to the reference to us under the heading "Experts" in such Registration Statement.

/s/ Baker Tilly US LLP

Minneapolis, Minnesota
August 25, 2022

Calculation of Filing Fee Tables
FORM S-3
 (Form Type)
PINEAPPLE ENERGY INC.
 (Exact Name of Registrant as Specified in its Charter)
 Table 1: Newly Registered Securities

	Security Type	Security Class Title	Fee Calculation Rule	Amount Registered	Proposed Maximum Offering Price Per Share	Maximum Aggregate Offering Price	Fee Rate	Amount of Registration Fee
Fees to Be Paid	Equity Other Debt Other Unallocated (Universal Shelf)	Common Stock, par value \$0.05 per share Preferred Stock, par value \$1.00 per share Senior Debt Securities Subordinated Debt Securities Stock Purchase Contracts Warrants Rights Units (5)	457(o)	(1)	(1)	\$100,000,000 ⁽²⁾	0.0000927	\$9,270
	Equity	Common Stock, par value \$0.05 per share	457(c)	9,411,744 ⁽³⁾	\$3.25 ⁽⁴⁾	\$30,588,168	0.0000927	\$2,836
	Total Offering Amounts							\$12,106
	Total Fees Previously Paid							-
	Total Fee Offsets (3)							-
	Net Fee Due							\$12,106

(1) An indeterminate number of securities or aggregate principal amount, as the case may be, of common stock and preferred stock, such indeterminate principal amount of debt securities, such indeterminate number of purchase contracts to purchase common stock, preferred stock or debt securities, such indeterminate number of warrants to purchase common stock, preferred stock or debt securities, such indeterminate number of rights and such indeterminate number of units (the "Universal Shelf Securities"), as shall have an aggregate initial offering price not to exceed \$100,000,000. If any debt securities are issued at an original issue discount, then the offering price of such debt securities shall be in such greater principal amount as shall result in an aggregate offering price not to exceed \$100,000,000, less the aggregate offering price of any securities previously issued hereunder. Any securities issued hereunder may be sold separately or as units with other securities issued hereunder. The proposed maximum initial offering price per unit will be determined, from time to time, by the registrant in connection with the issuance by the registrant of the securities registered hereunder. The securities registered also include such indeterminate amounts and numbers of debt securities, common stock and preferred stock as may be issuable upon conversion, redemption, exchange, exercise or settlement of any securities registered hereunder, including under any applicable antidilution provisions. Pursuant to Rule 416(a) under the Securities Act of 1933, as amended (the "Securities Act"), this Registration Statement shall be deemed to cover any additional number of securities as may be offered or issued from time to time upon stock splits, stock dividends, recapitalizations or similar transactions.

(2) The proposed maximum aggregate offering price per unit will be determined from time to time by the Registrant in connection with the sale and issuance by the Registrant of the securities registered hereunder and is not specified as to each class of security pursuant to General Instruction II.D. of Form S-3 under the Securities Act.

(3) Represents the shares of common stock, \$0.05 par value per share (the "common stock") of the registrant that will be offered for resale by the selling stockholders pursuant to the prospectus included in the registration statement to which this exhibit is attached. Pursuant to Rule 416 under the Securities Act, the registration statement includes an indeterminate number of additional shares that may be offered and sold to prevent dilution resulting from stock splits, stock dividends or similar transactions. Includes (a) 200% of the 2,352,936 shares of the registrant's common stock that may be issued upon conversion of the registrant's Series A convertible preferred stock at an initial conversion price of \$13.60 per share and (b) 200% of the 2,352,936 shares of the registrant's common stock that may be issued upon the exercise of warrants at an initial exercise price of \$13.60 per share.

(4) Estimated solely for the purpose of calculating the amount of registration fee pursuant to Rule 457(c) under the Securities Act, based upon the average of the high and low sale prices of the Registrant's shares of common stock on August 19, 2022, as reported on the Nasdaq Capital Market.

(5) Any securities registered under the registration statement may be sold separately or as units with other securities registered under the registration statement.

