

LIGHTBRIDGE Corp
Form PRE 14A
April 07, 2017

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 14A

Proxy Statement Pursuant to Section 14(a) of
the Securities Exchange Act of 1934 (Amendment No.)

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Check the appropriate box:

- x Preliminary Proxy Statement
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LIGHTBRIDGE CORPORATION

(Name of Registrant as Specified In Its Charter)

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Lightbridge Corporation
11710 Plaza America Drive, Suite 2000
Reston, VA 20190 USA
571.730.1200

**NOTICE OF ANNUAL MEETING OF STOCKHOLDERS
TO BE HELD ON MAY 19, 2017**

Dear Stockholder:

Notice is hereby given that the Annual Meeting of Stockholders (the “annual meeting”) of Lightbridge Corporation, a Nevada corporation (the “Company”), will be held on Friday, May 19, 2017 at 10:00 a.m., local time, at the offices of Hogan Lovells US LLP located at Park Place II, Ninth Floor, 7930 Jones Branch Drive, McLean, Virginia 22102, for the following purposes:

1. To elect the six persons named in the accompanying proxy statement to the Board of Directors of the Company;

If you owned our common stock at the close of business on March 22, 2017, you may attend and vote at the annual meeting.

Your vote is important. Whether or not you plan to attend the meeting, I hope that you will vote as soon as possible. You may vote your shares by either completing, signing and returning the accompanying proxy card or casting your vote via a toll-free telephone number or over the Internet.

Sincerely,
Thomas Graham, Jr.
Chairman and Corporate Secretary
April , 2017

**IMPORTANT NOTICE REGARDING THE AVAILABILITY OF PROXY MATERIALS FOR THE
STOCKHOLDER**

MEETING TO BE HELD ON MAY 19, 2017

This Notice, our proxy statement and our 2016 Annual Report are available online at
<http://www.edocumentview.com/LTBR>

TABLE OF CONTENTS

<u>PROXY STATEMENT SUMMARY</u>	ii
<u>QUESTIONS AND ANSWERS ABOUT THE ANNUAL MEETING</u>	1
<u>DIRECTORS AND EXECUTIVE OFFICERS</u>	7
<u>Section 16(a) Beneficial Ownership Reporting Compliance</u>	12
<u>CORPORATE GOVERNANCE</u>	13
<u>Corporate Governance Guidelines</u>	13
<u>The Board and Committees of the Board</u>	13
<u>Governance Structure</u>	13
<u>The Board's Role in Risk Oversight</u>	14
<u>Independent Directors</u>	14
<u>Audit Committee</u>	15
<u>Compensation Committee</u>	15
<u>Governance and Nominating Committee</u>	16
<u>Executive Committee</u>	17
<u>Code of Ethics</u>	17
<u>Transactions with Related Persons</u>	17
<u>Stockholder Communication with the Board of Directors</u>	17
<u>EXECUTIVE COMPENSATION</u>	18
<u>Compensation Discussion and Analysis</u>	18
<u>Report of the Compensation Committee</u>	25
<u>2016 Summary Compensation Table</u>	25
<u>Outstanding Equity Awards at Fiscal Year End</u>	26
<u>Director Compensation</u>	27
<u>SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT</u>	28
<u>REPORT OF THE AUDIT COMMITTEE</u>	29
<u>PROPOSAL 1 - ELECTION OF DIRECTORS</u>	30
<u>PROPOSAL 2 - APPROVAL OF AN AMENDMENT TO THE LIGHTBRIDGE CORPORATION 2015 EQUITY INCENTIVE PLAN TO INCREASE THE NUMBER OF SHARES AVAILABLE UNDER THE PLAN</u>	33
<u>PROPOSAL 3 - AUTHORIZATION OF THE ISSUANCE OF 20% OR MORE OF THE COMPANY'S OUTSTANDING COMMON STOCK IN ACCORDANCE WITH NASDAQ LISTING RULE 5635(D)</u>	40
<u>PROPOSAL 4 - ADVISORY VOTE ON EXECUTIVE COMPENSATION</u>	42
<u>PROPOSAL 5 - ADVISORY VOTE ON THE FREQUENCY OF FUTURE ADVISORY VOTES ON EXECUTIVE COMPENSATION</u>	43
<u>PROPOSAL 6 - RATIFICATION OF SELECTION OF INDEPENDENT AUDITORS</u>	44
<u>OTHER MATTERS</u>	46
<u>APPENDIX A LIGHTBRIDGE CORPORATION 2015 EQUITY INCENTIVE PLAN</u>	A-1

PROXY STATEMENT SUMMARY

This summary highlights information contained elsewhere in this proxy statement. This summary does not contain all of the information you should consider. Please read the entire proxy statement carefully before voting.

Lightbridge Corporation 2017 Annual Meeting of Stockholders

Date and Time: Friday, May 19, 2017 at 10:00 a.m., local time

Annual Meeting Agenda

Proposal	Page Numbers	Board Recommendation
1. Election of directors	30	FOR all nominees
2. Approval of an increase in the number of shares available under our 2015 Equity Incentive Plan	33	FOR
3. Authorize the issuance of 20% or more of the Company's outstanding common stock in accordance with Nasdaq Listing Rule 5635(d)	40	FOR
4. Advisory vote on executive compensation	42	FOR
5. Advisory vote on the frequency of future advisory votes on executive compensation	43	ONE YEAR
6. Ratification of independent auditors	44	FOR

In addition, stockholders may be asked to consider any other business properly brought before the meeting.

Our Director Nominees

The following table provides summary information about each director nominee. Each director is elected annually by a plurality of votes cast.

Name and Position	Director		Committee Membership			
	Since	Independent	Audit	Comp	Gov/Nom	Exec
Seth Grae, President and CEO	April 2006	No				Chair
Thomas Graham, Jr., Chairman and Corporate Secretary	April 2006	No				x
Xingping Hou, Co-Chairman	August 2016	Yes				
Victor E. Alessi, Director	August 2006	Yes	x	Chair	x	x
Daniel B. Magraw, Director	October 2006	Yes	x	x	Chair	
Kathleen Kennedy Townsend, Director	October 2013	Yes	Chair	x	x	

Table of Contents

Lightbridge Corporation
11710 Plaza America Drive, Suite 2000
Reston, VA 20190 USA
571.730.1200

PRELIMINARY PROXY MATERIALS - SUBJECT TO COMPLETION

2017 PROXY STATEMENT

The Board of Directors (“Board”) of Lightbridge Corporation, a Nevada corporation (the “Company,” “Lightbridge” or “we”) is furnishing this proxy statement and the accompanying proxy to you to solicit your proxy for the 2017 Annual Meeting of Stockholders (the “annual meeting”). The annual meeting will be held on Friday, May 19, 2017 at 10:00 a.m., local time, at the offices of Hogan Lovells US LLP located at Park Place II, Ninth Floor, 7930 Jones Branch Drive, McLean, Virginia 22102.

QUESTIONS AND ANSWERS ABOUT THE ANNUAL MEETING

What is this proxy statement?

You are receiving this proxy statement and our annual report because our Board is soliciting your proxy to vote your shares at the 2017 annual meeting. This proxy statement includes information that we are required to provide to you under the rules of the Securities and Exchange Commission (“SEC”) and that is designed to assist you in voting your shares. The Company is making this proxy statement and the accompanying proxy first available on or about April , 2017.

What is the purpose of the annual meeting?

At the annual meeting, our stockholders will act upon the proposals described in this proxy statement. As in prior years, these proposals include the election of directors, an advisory vote on our executive compensation, and the ratification of the appointment of the Company’s independent registered public accounting firm (which we sometimes refer to as the “independent auditors”). As was the case in 2011, these proposals also include an advisory vote on the

frequency of future advisory votes on executive compensation. In addition, we are asking our stockholders to approve the following proposals:

- An increase in the number of shares available for issuance under the Lightbridge Corporation 2015 Equity Incentive Plan (the “2015 Plan”) from 1,400,000 shares to 2,900,000 shares. In light of the declining value of our outstanding equity awards and upon the advice of an independent compensation consultant, the Compensation Committee determined to increase the number of shares available under the 2015 Plan in order to increase the portion of executive compensation delivered in equity.

Who can attend the annual meeting?

All stockholders of record at the close of business on March 22, 2017, the record date, or their duly appointed proxies, may attend the annual meeting.

Table of Contents

What proposals will be voted on at the annual meeting?

Stockholders will vote on six proposals at the annual meeting:

- *Proposal 1* - The election of directors;

In addition, stockholders may transact other business that may properly come before the annual meeting and any and all adjournments or postponements of the annual meeting.

What are the Board's recommendations?

Our Board of Directors recommends that you vote:

- **FOR** the election of each of the nominated directors;

Will there be any other business on the agenda?

The Board knows of no other matters that are likely to be brought before the annual meeting. If any other matters properly come before the annual meeting, however, the persons named in the enclosed proxy, or their duly appointed substitute acting at the annual meeting, will be authorized to vote or otherwise act on those matters in accordance with their judgment.

Who is entitled to vote?

Only stockholders of record at the close of business on March 22, 2017, which we refer to as the record date, are entitled to notice of, and to vote at, the annual meeting. As of the record date, there were 9,616,253 shares of our common stock outstanding. Holders of common stock as of the record date are entitled to one vote for each share held for each of the proposals.

Table of Contents

What is the difference between holding shares as a stockholder of record and as a beneficial owner?

Stockholder of Record. If your shares are registered directly in your name with our transfer agent, Computershare Trust Company, you are considered, with respect to those shares, the “stockholder of record.” This proxy statement and our Annual Report have been sent directly to you by us.

Beneficial Owner. If your shares are held in a stock brokerage account or by a bank or other nominee, you are considered the “beneficial owner” of shares held in street name. This proxy statement and the Annual Report have been forwarded to you by your broker, bank or nominee who is considered, with respect to those shares, the stockholder of record. As the beneficial owner, you have the right to direct your broker, bank or nominee how to vote your shares by using the voting instructions included with your proxy materials.

How do I vote my shares?

Stockholders can vote in person at the annual meeting or by proxy. There are three ways to vote by proxy:

- *By Telephone* - Stockholders located in the United States can vote by telephone by calling the number listed on your enclosed proxy card and following the instructions.

Telephone and Internet voting facilities for stockholders of record will be available 24 hours a day and will close at 11:59 p.m. (EDT) on May 18, 2017.

If your shares are held in the name of a bank, broker or other holder of record, you will receive instructions from the holder of record. You must follow the instructions of the holder of record in order for your shares to be voted. Telephone and Internet voting also will be offered to stockholders owning shares through certain banks and brokers. If your shares are not registered in your own name and you plan to vote your shares in person at the annual meeting, you should contact your broker or agent to obtain a legal proxy or broker’s proxy card and bring it to the annual meeting in order to vote.

If you vote by proxy, the individuals named on the proxy card (your “proxies”) will vote your shares in the manner you indicate. You may specify how your shares should be voted for each of the proposals. If you grant a proxy without indicating your instructions, your shares will be voted as recommended by the Board of Directors, as set forth above under “What are the Board’s recommendations?”

What constitutes a quorum?

A quorum is the presence, in person or by proxy, of the holders of a majority of the shares of the common stock entitled to vote. A quorum is required for the transaction of business at the annual meeting. Under Nevada law, an abstaining vote and a “broker non-vote” are counted as present and are, therefore, included for purposes of determining whether a quorum of shares is present at the annual meeting.

Table of Contents

What is a “broker non-vote” and what is its effect on voting?

If you are a beneficial owner of shares held in street name and do not provide the organization that holds your shares with specific voting instructions, under the rules of various national and regional securities exchanges, the organization that holds your shares may generally vote on routine matters but cannot vote on non-routine matters. If the organization that holds your shares does not receive instructions from you on how to vote your shares on a non-routine matter, the organization that holds your shares does not have the authority to vote on the matter with respect to those shares. This is generally referred to as a “broker non-vote.” Proposal 6 (ratification of auditors) involves a matter that we believe will be considered routine under the relevant securities exchange rules. The “routine” treatment of this proposal does not affect the seriousness with which we treat it. All other proposals involve matters that we believe will be considered non-routine. We encourage you to provide voting instructions to the organization that holds your shares by carefully following the instructions provided by such organization.

What is required to approve each item?

- For Proposal 1 (election of directors), a plurality of the votes cast is required for the election of directors. This means that the six director nominees receiving the greatest number of FOR votes will be elected to the Board of Directors. You may vote FOR or WITHHOLD with respect to the election of directors. Only votes FOR are counted in determining whether a plurality has been cast in favor of a director. Abstentions and broker non-votes are not counted for purposes of the election of directors.

Stockholders may not cumulate votes in the election of directors, which means that each stockholder may vote no more than the number of shares he or she owns for a single director candidate.

How will shares of common stock represented by properly executed proxies be voted?

All shares of common stock represented by proper proxies will, unless such proxies have previously been revoked, be voted in accordance with the instructions indicated in such proxies. If you submit an executed proxy, but do not provide voting instructions, your shares will be voted in accordance with the Board’s recommendations as set forth above under “What are the Board’s recommendations?” In addition, if any other matters properly come before the annual meeting, the persons named in the enclosed proxy, or their duly appointed substitute acting at the annual meeting, will be authorized to vote or otherwise act on those matters in accordance with their judgment.

Table of Contents

Can I change my vote or revoke my proxy?

Yes. Any stockholder executing a proxy has the power to revoke such proxy at any time prior to its exercise. You may revoke your proxy prior to exercise by:

- submitting a written notice of revocation of your proxy by mail to:

Lightbridge Corporation
11710 Plaza America Drive, Suite 2000
Reston, VA 20190
Attention: Corporate Secretary;

What does it mean if I receive more than one proxy?

If your shares are registered under different names or are in more than one account, you may receive more than one set of proxy materials. To ensure that all your shares are voted, please vote by telephone or through the Internet using each personal identification number you are provided, or complete, sign and date the multiple proxy cards relating to your multiple accounts. We encourage you whenever possible to have all accounts registered in the same name and address. You can accomplish this by contacting our transfer agent, Computershare Trust Company at (800) 962-4284.

Who paid for this proxy solicitation?

The cost of preparing, printing, assembling and mailing this proxy statement and other material furnished to stockholders in connection with the solicitation of proxies is borne by us.

How do I learn the results of the voting at the annual meeting?

Preliminary results will be announced at the annual meeting. Final results will be published in a Current Report on Form 8-K filed with the SEC within four business days of the annual meeting.

How are proxies solicited?

In addition to the solicitation of proxies by mail, our officers, directors, employees and agents may solicit proxies by written communication, telephone or personal call. These persons will receive no special compensation for any solicitation activities. We will reimburse banks, brokers and other persons holding common stock for their expenses in forwarding proxy solicitation materials to beneficial owners of our common stock. We have engaged Advantage Proxy, Inc. to assist us with the solicitation of proxies for the Annual Meeting. We expect to pay Advantage Proxy, Inc. approximately \$ for their services.

What is “householding?”

“Householding” means that we deliver a single set of proxy materials when requested to households with multiple stockholders, provided certain conditions are met. Householding reduces our printing and mailing costs.

Table of Contents

If you or another stockholder of record sharing your address would like to receive an additional copy of the proxy materials, we will promptly deliver it to you upon your request in one of the following manners:

- by sending a written request by mail to:

If you would like to opt out of householding in future mailings, or if you are currently receiving multiple mailings at one address and would like to request householded mailings, you may do so by contacting our Corporate Secretary as indicated above.

Can I receive future stockholder communications electronically through the Internet?

Yes. You may elect to receive future notices of meetings, proxy materials and annual reports electronically through the Internet. To consent to electronic delivery, vote your shares using the Internet. At the end of the Internet voting procedure, the on-screen Internet voting instructions will tell you how to request future stockholder communications be sent to you electronically.

Once you consent to electronic delivery, you must vote your shares using the Internet and your consent will remain in effect until withdrawn. You may withdraw this consent at any time during the voting process and resume receiving stockholder communications in print form.

Whom may I contact for further assistance?

If you have any questions about giving your proxy or require any assistance, please contact our Corporate Secretary:

- by mail, to:

Table of Contents**DIRECTORS AND EXECUTIVE OFFICERS**

Set forth below are the names of our current directors and executive officers, their ages, all positions and offices that they hold with us, the period during which they have served as such, and their business experience during at least the last five years.

Name	Age	Position with Lightbridge	Director Since
Seth Grae	54	President, CEO and Director	April 2006
Thomas Graham, Jr.	83	Chairman and Corporate Secretary	April 2006
Xingping Hou	56	Co-Chairman	August 2016
Victor E. Alessi	77	Director	August 2006
Kathleen Kennedy Townsend	65	Director	October 2013
Daniel B. Magraw	70	Director	October 2006
Linda Zwobota	66	Chief Financial Officer	-
Andrey Mushakov	40	Executive Vice President - International Nuclear Operations	-

Name	Position with Lightbridge and Principal Occupations
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Seth Grae	Mr. Grae was named the Chief Executive Officer and President of the Company on March 17, 2006 and, effective April 2, 2006, became a director of the Company. Seth Grae has led the development and implementation of Lightbridge's business efforts to develop and deploy advanced nuclear fuel technologies and to provide comprehensive advisory services based on safety, non-proliferation, and transparency for emerging commercial nuclear power programs.
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Mr. Grae is a member of the Civil Nuclear Trade Advisory Committee to the U.S. Secretary of Commerce, the Nuclear Energy Institute's Suppliers Advisory Committee, and the Dean's Advisory Council at the Washington College of Law at American University. Mr. Grae has served as Vice Chair of the Governing Board of the Bulletin of the Atomic Scientists, as Co-Chair of the American Bar Association's Arms Control and Disarmament Committee, and as a member of the Board of Directors of the Lawyers Alliance for World Security.

Thomas Graham, Jr.	Ambassador Graham became a director of the Company on April 2, 2006, and chairman of the Board on April 4, 2006. Ambassador Graham served as a member of the board of directors of Thorium Power, Inc., from 1997 until the merger with the Company. He is one of the world's leading experts on nuclear non-proliferation and has served as a senior U.S. diplomat involved in the negotiation of every major international arms control and non-proliferation agreement involving the United States during the period from 1970 to 1997, including the Strategic Arms Limitations Talks (the Interim Agreement on Strategic Offensive Arms, the Anti-Ballistic Missile
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Treaty, and the Salt II Treaty), the Strategic Arms Reduction Talks (the Start I Treaty and the Start II Treaty), the Intermediate Nuclear Forces Treaty, the Nuclear Non-Proliferation Treaty Extension, the Conventional Armed Forces in Europe Treaty, and the Comprehensive Test Ban Treaty. In 1993, Ambassador Graham served as the Acting Director of the U.S. Arms Control and Disarmament Agency (ACDA), and for seven months in 1994 served as the Acting Deputy Director. From 1994 through 1997, he served as the Special Representative of the President of the United States for Arms Control, Non-Proliferation and Disarmament with the rank of Ambassador, and in this capacity successfully led U.S. government efforts to achieve the permanent extension of the Nuclear Non-Proliferation Treaty in 1995. He also served for 15 years as the general counsel of ACDA.

Ambassador Graham worked on the negotiation of the Chemical Weapons Convention and the Biological Weapons Convention. He drafted the implementing legislation for the Biological Weapons Convention and managed the Senate approval of the ratification of the Geneva Protocol banning the use in war of chemical and biological weapons. In 2009, Mr. Graham was appointed as a member of the International Advisory Board for the nuclear program of the United Arab Emirates. He is also Chairman of the Board of CanAlaska Uranium Ltd. of Vancouver, Canada (TSX: CVV), a uranium exploration company. Ambassador Graham received an A.B. in 1955 from Princeton University and a J.D. in 1961 from Harvard Law School. He is a member of the Kentucky, the District of Columbia and the New York Bar Associations and is a member of the Council on Foreign Relations. He chaired the Committee on Arms Control and Disarmament of the American Bar Association from 1986-1994. Ambassador Graham received the Trainor Award for Distinction in Diplomacy from Georgetown University in 1995 and the World Order Under Law award from the International Law Section of the American Bar Association in 2007. He has taught at a number of universities as an adjunct professor including the University of Virginia Law School, Georgetown University Law Center, Georgetown University School of Foreign Service, the University of Washington, the University of Tennessee, Stanford University, and Oregon State University. He has published seven books, the most recent non-fiction book being *Unending Crisis* in 2012 as well as an historical novel, *Sapphire, A Tale of the Cold War*, in 2014. Ambassador Graham plans to publish two books in the fall of 2017, "The Alternate route: Nuclear Weapon Free Zones", and "Seeing the light, the Case for Nuclear Power in the 21st Century".

Table of Contents

- Xingping Hou** Mr. Xingping Hou joined the Company’s Board of Directors as co-Chairman on August 2, 2016. Mr. Hou is the founder and has served as Chairman of the Board, Chief Executive Officer and President of General Agriculture Corporation, one of China’s largest orange producers, since July 2012. Mr. Hou has also served as the Chairman of the Board for each of General Red Industry Group Co., Ltd. and Shaanxi General Red Agricultural Development Co., Ltd. since May 2010 and October 2010, respectively. Mr. Hou has also served as a director of Hua Mei Investments Limited and Han Glory International Limited since April 2011. Mr. Hou brings international expertise and experience to the Board.
- Victor E. Alessi** Dr. Alessi became a director of the Company on August 23, 2006. Dr. Alessi, who holds a Ph.D. in nuclear physics, is President Emeritus of the United States Industry Coalition (“USIC”), an organization dedicated to facilitating the commercialization of technologies of the New Independent States (“NIS”) of the former Soviet Union through cooperation with its members. He has held such position since August 1, 2006. Prior to becoming President Emeritus, Dr. Alessi held the positions of CEO and President of USIC since 1999. Previously, he was President of DynMeridian, a subsidiary of DynCorp, specializing in arms control, non-proliferation, and international security affairs. Before joining DynMeridian in early 1996, Dr. Alessi was the Executive Assistant to the Director, U.S. Arms Control and Disarmament Agency (“ACDA”). At ACDA he resolved inter-bureau disputes, and advised the director on all arms control and non-proliferation issues. Dr. Alessi served as Director of the Office of Arms Control and Non-proliferation in the Department of Energy (“DOE”) prior to his work at ACDA, overseeing all DOE arms control and non-proliferation activities. As a senior DOE representative, Dr. Alessi participated in U.S. efforts that led to successful conclusion of the Intermediate Nuclear Forces (INF), Conventional Forces in Europe, Threshold Test Ban, Peaceful Nuclear Explosions, Open Skies, Strategic Arms Reductions Talks Treaties and the Chemical Weapons Convention. In this role, he was instrumental in implementing the U.S. unilateral nuclear initiative in 1991 and was a member of the U.S. delegation discussing nuclear disarmament with Russia and other states of the former Soviet Union. He was in charge of DOE’s support to the U.N. Special Commission on Iraq, to the Nunn-Lugar Initiative, and represented DOE in discussions on the Comprehensive Test Ban (“CTB”) with the other nuclear weapons states before the CTB negotiations began in Geneva in 1994. Dr. Alessi served as the U.S. board member to the International Science and Technology Center in Moscow since its founding in 1992 until 2011. He is also the former U.S. board member to the Science and Technology Center in Ukraine. Dr. Alessi is a 1963 graduate of Fordham University, where he also earned a licentiate in Philosophy (Ph.L.) in 1964. He studied nuclear physics at Georgetown University, receiving his M.S. in 1968 and Ph.D. in 1969.

Table of Contents

Kathleen Kennedy Townsend end Ms. Townsend became a director of the Company in October 2013. Ms. Townsend has a long history of accomplishment in the public arena, and for the last decade in the private sector. She has been a Managing Director at the Rock Creek Group, an investment management company, since 2007. Ms. Townsend also serves on the board of directors for the Pension Rights Center (a nonprofit consumer advocacy organization), NewTower Trust Company (a non-depository trust company that provides fiduciary and trustee services to the Multi-Employer Property Trust (MEPT), an open-end commingled real estate equity fund), and CanAlaska Uranium Ltd. (TSX: CVV) (a Canadian uranium exploration company).

As the State of Maryland's first woman Lt. Governor, Ms. Townsend was in charge of a multimillion dollar budget and had oversight of major cabinet departments, including Economic Development and Transportation, State Police, Public Safety and Correction and Juvenile Justice. Prior to being elected Lt. Governor, Ms. Townsend served as Deputy Assistant Attorney General of the United States. In that role, she led the planning to put 100,000 police officers into the community and she ignited the Police Corps, a program to give college scholarships to young people who pledge to work as police officers for four years after graduation.

Prior to serving at the Department of Justice, Ms. Townsend spent seven years as the founder and director of the Maryland Student Service Alliance where she led the fight to make Maryland the first-and only-state to make service a graduation requirement.

She has been appointed Special Advisor at the Department of State, and a Research Professor at the McCourt School of Public Policy at Georgetown University, where she focuses on retirement security. She is a Woodrow Wilson Fellow. She taught foreign policy at the University of Pennsylvania and the University of Maryland, Baltimore County and has been a visiting Fellow at the Kennedy School of Government at Harvard. In the mid-1980s, she founded the Robert F. Kennedy Human Rights Award.

She chairs the Center for Popular Democracy which builds the strength and capacity of democratic organizations. Ms. Townsend is also a member of the Council of Foreign Relations and the Inter-American Dialogue. For the last eight years she has been Vice-Chair of the Future of Science conference held in Venice Italy and for the last four years Vice-Chair of Science for Peace held in Milan.

Ms. Townsend has chaired the Institute of Human Virology founded by Dr. Robert Gallo, which treats over 700,000 patients in Africa as part of the PEPFAR program, has chaired the Robert Kennedy Memorial and has been on the Board of Directors of the John F Kennedy Library

Foundation. Previously, she served on a number of boards including the Export-Import Bank, Johns Hopkins School of Advanced International Studies (SAIS), the Wilderness Society, the Points of Light Foundation, the National Catholic Reporter and the Institute for Women's Policy Research, and the Baltimore Urban League.

An honors graduate of Harvard University, Ms. Townsend received her law degree from the University of New Mexico where she was a member of the law review. She has received fourteen honorary degrees. A member of the bar in Maryland, Connecticut and Massachusetts, she is also a certified broker-dealer.

Ms. Townsend's book, *Failing America's Faithful: How Today's Churches Mixed God with Politics and Lost Their Way* was published by Warner Books in March 2007.

Table of Contents

**Daniel
B.Magraw**

Mr. Magraw became a director of the Company on October 23, 2006. Mr. Magraw is a leading expert on international environmental law and policy, as well as on international human rights. Mr. Magraw is a Senior Fellow and Professorial Lecturer at the Foreign Policy Institute at Johns Hopkins School of Advanced International Studies (SAIS) and President Emeritus of the Center for International Environmental Law (CIEL). Mr. Magraw was the President and CEO of CIEL from 2002- 2010. From 1992-2001, he was Director of the International Environmental Law Office of the U.S. Environmental Protection Agency, during which time he also served at the White House (2000-2001) and as Acting Assistant Administrator of the EPA's Office of International Activities. He was a member of the Trade and Environment Policy Advisory Committee to the Office of the U.S. Trade Representative (TEPAC) from 2002-2010, chairs the American Bar Association (ABA) Section of International Law's Task Force on Carta de Foresta, serves as a consultant to the United Nations, was a member of the U.S. Department of State Study Group on International Business Transactions, and was Chair of the 15,000-member Section of International Law and Practice of the ABA. He practiced international law, constitutional law, and bankruptcy law at Covington & Burling in Washington, DC from 1978-1983. Mr. Magraw is a widely-published author in the field of international law and has received many awards. He graduated from Harvard University with High Honors in Economics, where he was student body president, and from the University of California, Berkeley Law School, where he was Editor-in-Chief of the Law Review. While working as an economist for the Peace Corps in India from 1968 to 1972, Mr. Magraw helped develop and managed the largest and most successful cooperative of its type (wholesale, retail, furniture manufacturing and food processing) in India. In 1996, Mr. Magraw became a member of the board of directors of Thorium Power, Inc., which is now a wholly-owned subsidiary of the Company.

Linda Zwobota

Ms. Zwobota was appointed the Chief Financial Officer of the Company on March 25, 2015, after having served as interim Chief Financial Officer since November 2014. Prior to that appointment, Ms. Zwobota served as the Company's Controller, a position she held since October 2009, when she joined the Company.

From May 2000 until October 2009, Ms. Zwobota held the position of Associate at Resources Global Professionals ("RGP"), a consulting firm, where she provided RGP clients with a broad range of services, including accounting, regulatory reporting, internal audit, and IT system support. Prior to joining RGP, from 1999 to May 2000, Ms. Zwobota held the position of Senior Internal Auditor for BAA, USA, Inc., a subsidiary of BAA plc, a developer and manager of retail, food and beverage concessions at airports. Ms. Zwobota performed high-level, risk-based audits of BAA plc's investments in North America, including World Duty Free Americas, World Duty Free Inflight, airport and retail operations, and development activities. Prior to joining BAA, USA, Inc., from 1997 through 1999, Ms. Zwobota was the Revenue Accounting Manager for World Duty Free, another BAA plc company with global operations, sales of \$43 million denominated in 54 different currencies worldwide, servicing 23 airline concessions, at 31 stations in 18 countries. From 1992-1997, Ms. Zwobota worked at a subsidiary of Wartsila, a global power solutions company, as a Senior Accountant and as the Assistant Treasurer. Ms. Zwobota earned a Bachelors Degree from the University of Maryland, College Park. She has been a certified public accountant since November 1991 and a Certified Internal Auditor (CIA®) since May 1999.

Table of Contents

**Andrey
Mushakov**

Dr. Mushakov oversees the nuclear fuel technology division of Lightbridge Corporation and is an expert in cost modeling and the economics of the nuclear fuel cycle. He has been with Lightbridge since 2000, and in 2006 he was named executive vice president for international nuclear operations.

In 2009, Dr. Mushakov led Lightbridge's efforts to establish its Russian Branch Office in Moscow and oversaw its successful operation from 2009 to 2014 when Lightbridge made a decision to move its critical path fuel development and demonstration activities out of Russia due to increased political risk. Since mid-2014, Dr. Mushakov has been spearheading an effort within Lightbridge to establish cooperation agreements with Canadian Nuclear Laboratories in Canada, BWXT in the United States and the Institute for Energy Technology in Norway to enable successful execution of fuel sample fabrication and irradiation work according to our schedule.

More recently, Dr. Mushakov has been leading a negotiation team effort that led to execution of a Joint Development Agreement and a Term Sheet with AREVA NP for a US-based joint venture company between Lightbridge and AREVA, Inc. to complete the development, regulatory licensing, and commercial deployment of the Lightbridge metallic fuel in most types of light water reactors around the world.

Dr. Mushakov has been a featured speaker at international conferences and panels on nuclear fuel technology, including the Wharton Energy Conference and the World Nuclear Fuel Cycle Conference.

He earned a Ph.D. in economics from St. Petersburg State University of Economics and Finance, an M.S. degree in management from Hult International Business School, and a B.S. degree in banking and finance from the Financial University under the Government of the Russian Federation.

Table of Contents

Section 16(a) Beneficial Ownership Reporting Compliance

Under U.S. securities laws, directors, executive officers and persons beneficially owning more than 10% of our common stock must report their initial ownership of our common stock, and any changes in that ownership, to the SEC. The SEC has designated specific due dates for these reports. Based solely on our review of copies of such reports filed with the SEC and written representations of our directors and executive officers, we believe that all persons subject to such reporting requirements filed all required reports on a timely basis in 2016, except for a late Form 3 filing for Mr. Hou, which was due August 12, 2016 but was filed on April 7, 2017.

Table of Contents

CORPORATE GOVERNANCE

Our current corporate governance practices and policies are designed to promote stockholder value. We are committed to the highest standards of corporate ethics and diligent compliance with financial accounting and reporting rules. Our Board provides independent leadership in the exercise of its responsibilities. Our management oversees a system of internal controls and compliance with corporate policies and applicable laws and regulations, and our employees operate in a climate of responsibility, candor and integrity.

Corporate Governance Guidelines

We and our Board are committed to high standards of corporate governance as an important component in building and maintaining stockholder value. To this end, we regularly review our corporate governance policies and practices to ensure that they are consistent with the high standards of other companies. We also closely monitor guidance issued or proposed by the SEC and the provisions of the Sarbanes-Oxley Act, as well as the emerging best practices of other companies. The current corporate governance guidelines are available on the Company's website www.ltbridge.com. Printed copies of our corporate governance guidelines may be obtained, without charge, by contacting the Corporate Secretary, Lightbridge Corporation, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA.

The Board and Committees of the Board

The Company is governed by the Board that currently consists of six members: Seth Grae, Thomas Graham, Xingping Hou, Victor Alessi, Kathleen Kennedy Townsend and Daniel Magraw. The Board has established four Committees: the Audit Committee, the Compensation Committee, the Nominating and Governance Committee and the Executive Committee. Each of the Audit Committee, Compensation Committee and Nominating and Governance Committee are comprised entirely of independent directors. From time to time, the Board may establish other committees. The Board met six times in 2016. The Board has adopted a written charter for each of its committees which are available on the Company's website www.ltbridge.com. Printed copies of these charters may be obtained, without charge, by contacting the Corporate Secretary, Lightbridge Corporation, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA. Each director attended at least 75% of all meetings of the Board of Directors and each committee on which he or she served during 2016, other than Mr. Hou, who missed one meeting of the Board following his appointment in August 2016, which constituted half of the Board meetings following his appointment.

Governance Structure

The Company has chosen to separate the roles of the Chairman of the Board and the Chief Executive Officer, though our current Chairman, Thomas Graham, Jr., is a member of the Company's executive management. We have chosen to implement such a governance structure to allow our Chief Executive Officer the ability to focus the majority of his time and efforts on the day-to-day operations of the Company. We believe that this governance structure has served the Company's stockholders well over the years. In addition, beginning in August 2016, the Board appointed Mr. Hou as co-Chairman of the Board, bringing an independent perspective to Board leadership.

We encourage our stockholders to learn more about our Company's governance practices at our website, www.ltbridge.com.

Table of Contents

The Board's Role in Risk Oversight

The Board oversees that the assets of the Company are properly safeguarded, that the appropriate financial and other controls are maintained, and that the Company's business is conducted wisely and in compliance with applicable laws and regulations and proper governance. Included in these responsibilities is the Board's oversight of the various risks facing the Company. In this regard, the Board seeks to understand and oversee critical business risks. The Board does not view risk in isolation. Risks are considered in virtually every business decision and as part of the Company's business strategy. The Board recognizes that it is neither possible nor prudent to eliminate all risk. Indeed, purposeful and appropriate risk-taking is essential for the Company to be competitive on a global basis and to achieve its objectives.

While the Board oversees risk management, Company management is charged with managing risk. The Company has robust internal processes and a strong internal control environment to identify and manage risks and to communicate with the Board. The Board and the Audit Committee monitor and evaluate the effectiveness of the internal controls and the risk management program at least annually. Management communicates routinely with the Board, Board committees and individual directors on the significant risks identified and how they are being managed. Directors are free to, and indeed often do, communicate directly with senior management.

The Board implements its risk oversight function both as a whole and through committees. Much of the work is delegated to various committees, which meet regularly and report back to the full Board. All committees play significant roles in carrying out the risk oversight function. In particular:

- The Audit Committee oversees risks related to the Company's financial statements, the financial reporting process, accounting and legal matters. The Audit Committee oversees the internal audit function and the Company's ethics programs, including the Code of Business Conduct and Ethics. The Audit Committee members meet separately with representatives of the independent auditing firm.

Independent Directors

In considering and making decisions as to the independence of each of the directors of the Company, the Board considered transactions and relationships between the Company (and its subsidiaries) and each director (and each member of such director's immediate family and any entity with which the director or family member has an affiliation such that the director or family member may have a material indirect interest in a transaction or relationship with such entity). The Board has determined that Mr. Alessi, Mr. Hou, Mr. Magraw and Ms. Townsend are independent as

defined in applicable SEC and Nasdaq rules and regulations, and that each constitutes an “Independent Director” as defined in Nasdaq Listing Rule 5605. Such members constitute a majority of the entire Board.

Table of Contents

Audit Committee

Our Audit Committee consists of Mr. Alessi, Mr. Magraw and Ms. Townsend, each of whom is “independent” as that term is defined under the Nasdaq listing standards. The Audit Committee oversees our accounting and financial reporting processes and the audits of the financial statements of the Company. Ms. Townsend is chair of the Audit Committee and a financial expert as that term is defined by the applicable SEC rules. The Audit Committee is responsible for, among other things:

- selecting our independent auditors and pre-approving all auditing and non-auditing services permitted to be performed by our independent auditors;

The Audit Committee met four times during 2016.

Compensation Committee

Our Compensation Committee consists of Mr. Alessi, Mr. Magraw and Ms. Townsend, each of whom is “independent” as that term is defined under the Nasdaq listing standards. Our Compensation Committee assists the Board in reviewing and approving the compensation structure of our directors and executive officers, including all forms of compensation to be provided to our directors and executive officers. Our Chief Executive Officer and Chief Financial Officer may not be present at any committee meeting during which his or her compensation is deliberated. The Compensation Committee is responsible for, among other things:

- approving and overseeing the compensation package for our executive officers;

Table of Contents

Under its charter, the Compensation Committee has sole authority to retain and terminate outside counsel, compensation consultants retained to assist the Compensation Committee in determining the compensation of the Chief Executive Officer or senior executive officers, or other experts or consultants, as it deems appropriate, including sole authority to approve the firms' fees and other retention terms. The Compensation Committee may also form and delegate authority to subcommittees and may delegate authority to one or more designated members of the Compensation Committee. The Compensation Committee may from time to time seek recommendations from the executive officers of the Company regarding matters under the purview of the Compensation Committee, though the authority to act on such recommendations rests solely with the Compensation Committee.

The Compensation Committee met two times during 2016.

Governance and Nominating Committee

Our Governance and Nominating Committee consists of Mr. Alessi, Mr. Magraw and Ms. Townsend, each of whom is "independent" as that term is defined under the Nasdaq listing standards. The Governance and Nominating Committee assists the Board of Directors in identifying individuals qualified to become our directors and in determining the composition of the Board and its committees. The Governance and Nominating Committee is responsible for, among other things:

- identifying and recommending to the Board nominees for election or re-election to the Board, or for appointment to fill any vacancy;

Our Governance and Nominating Committee does not have a specific policy with regard to the consideration of candidates recommended by stockholders, however any nominees proposed by our stockholders will be considered on the same basis as nominees proposed by the Board. If you or another stockholder want to submit a candidate for consideration to the Board, you may submit your proposal to our Corporate Secretary:

- by sending a written request by mail to:

Lightbridge Corporation
11710 Plaza America Drive, Suite 2000
Reston, VA 20190
Attention: Corporate Secretary

- by calling our Corporate Secretary, at 571-730-1200.

The Governance and Nominating Committee met five times during 2016.

Table of Contents

Executive Committee

Our Executive Committee consists of Messrs. Alessi, Grae and Graham. The Executive Committee of the Company exercises the power of the Board between regular meetings of the Board and when timing is critical. The Executive Committee also assists the Board in fulfilling its oversight responsibility with respect to management-level staff, outside service providers and third party vendors.

Code of Ethics

The Board has adopted a Code of Business Conduct and Ethics that applies to the Company's directors, officers and employees. A copy of this policy is available via our website at <http://ir.ltbridge.com/corporate-governance.cfm>. Printed copies of our Code of Business Conduct and Ethics may be obtained, without charge, by contacting the Corporate Secretary, Lightbridge Corporation, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA. During the fiscal year ended December 31, 2016, there were no waivers of our Code of Business Conduct and Ethics.

Transactions with Related Persons

Other than the following transaction, none of our directors, director nominees, executive officers, 5% stockholders, or immediate family members of such persons has been involved in any transactions with us which are required to be disclosed pursuant to Item 404 of Regulation S-K:

On August 2, 2016, we sold 1,020,000 shares of our newly created non-voting Series A convertible preferred stock to General International Holdings, Inc., a company controlled by Mr. Xingping Hou, for \$2.8 million or approximately \$2.75 per share. We also entered into an investors rights agreement with General International Holdings, Inc. on August 2, 2016 pursuant to which we agreed to appoint Mr. Hou to the Board of Directors.

Stockholder Communication with the Board of Directors

Stockholders may communicate with the Board, including non-management directors, by sending a letter to our Board, c/o Corporate Secretary, Lightbridge Corporation, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA for submission to the Board or committee or to any specific director to whom the correspondence is directed.

Stockholders communicating through this means should include with the correspondence evidence, such as documentation from a brokerage firm, that the sender is a current record or beneficial stockholder of the Company. All communications received as set forth above will be opened by the Corporate Secretary or his designee for the sole purpose of determining whether the contents contain a message to one or more of our directors. Any contents that are not advertising materials, promotions of a product or service, patently offensive materials or matters deemed, using reasonable judgment, inappropriate for the Board will be forwarded promptly to the chairman of the Board, the appropriate committee or the specific director, as applicable.

Table of Contents

EXECUTIVE COMPENSATION

Compensation Discussion and Analysis

In this section, we discuss our compensation philosophy and describe the compensation program for our senior executives. We also explain how the Compensation Committee determines compensation for our senior executives and its rationale for specific 2016 decisions. In addition, we discuss numerous changes the Committee has made to our program over the past several years to advance its fundamental objective: aligning our executive compensation with the long-term interests of our stockholders.

The Compensation Discussion and Analysis describes the compensation of the following named executive officers (“NEOs”):

Name	Title
Seth Grae	Chief Executive Officer, President and Director
Thomas Graham, Jr.	Chairman and Corporate Secretary
Linda Zwobota	Chief Financial Officer

Executive Summary

Our executive compensation program is designed to attract and retain qualified management personnel, to align our management’s interests with that of our stockholders, and to reward exceptional organizational and individual performance. Performance of our executives is evaluated based on financial and non-financial goals that balance achievement of short-term goals related to the continued development of the Company’s fuel technology and business and long-term goals that seek to maximize stockholder value.

2016 Compensation Highlights

Following our 2016 say-on-pay vote, we conducted selected outreach to our stockholders to understand how we could improve our executive compensation program. As a result, among other things:

- We have expanded disclosure concerning our executive compensation decisions, including by including this Compensation Discussion and Analysis in the proxy statement. While the Company is not required to include this disclosure so long as it qualifies as a “smaller reporting company” under SEC rules, we believe expanding our disclosure is important for our stockholders to better understand the basis for our compensation decisions.

Table of Contents

2016 Accomplishments

The Company achieved significant strategic goals during 2016 including, without limitation:

- AREVA Agreement. The Company continued its work towards the creation of a US-based joint venture with AREVA, Inc., a wholly owned US subsidiary of AREVA NP. In March 2016, the Company entered into a joint development agreement with AREVA NP setting forth the remaining steps for the establishment of a joint venture between the parties. In October 2016, the Company executed a non-binding term sheet with AREVA relating to the creation of a new joint venture to develop, manufacture and commercialize fuel assemblies based on our innovative metallic nuclear fuel technology. The companies continue to work exclusively together in the areas covered by the joint development agreement.

Philosophy and Objectives of Our Compensation Program

Our compensation program is centered around a philosophy that focuses on management retention, alignment of interests between management and the stockholders and pay-for-performance compensation. We believe this philosophy allows us to compensate our NEOs competitively, while simultaneously ensuring continued development and achievement of key business strategy goals. The Compensation Committee firmly believes that our pay-for-performance philosophy should recognize both short- and long-term performance and should include both cash and equity compensation arrangements that are supported by strong corporate governance, including active and effective oversight by the Compensation Committee.

To that end, we have implemented the following policies and practices:

- Significant “At-Risk” Compensation. A significant portion of NEO compensation is based on each NEO’s individual performance and the performance of the Company. Approximately 69% of NEO compensation in 2015 was performance-based, as well as approximately 40% of 2016 compensation.

Table of Contents

Philosophy and Objectives of Our Compensation Plan

The Compensation Committee has outlined the following objectives for compensation of our NEOs and considers such objectives in making compensation decisions:

Objective	Description
Attraction and Retention	We provide competitive compensation to our NEOs and tie a significant portion of compensation to time-based vesting requirements, helping to ensure that we can continue to attract key management personnel and retain such personnel.
Pay for Performance	A significant portion of each NEO’s compensation is “at-risk” or variable, based on our performance and stock price.
Pay Mix	We use a variety of fixed-pay and incentive compensation forms, including cash, stock and options.
Competitive Packages	We evaluate our compensation program in an effort to provide a competitive compensation package to each NEO that takes into account their responsibilities, performance and organization.

How Executive Compensation is Determined

Role of the Compensation Committee

The Compensation Committee of the Board of Directors oversees the Company’s executive compensation programs. Additionally, the Compensation Committee is charged with the review and approval of all annual compensation decisions relating to the NEOs and the Company’s other officers.

The Compensation Committee is composed entirely of independent, non-management members of the Board of Directors. Each member of the Compensation Committee is both a “non-employee director” within the meaning of Rule 16b-3 of the Exchange Act, and an “outside director” within the meaning of Section 162(m) of the Internal Revenue Code. No Compensation Committee member participates in any of the Company’s employee compensation programs. Each year the Company reviews any and all relationships that each director has with the Company, and the Board of Directors subsequently reviews these findings. The responsibilities of the Compensation Committee, as stated in its charter, include the following:

- review and make such recommendations to the Board of Directors as the Compensation Committee deems advisable with regard to all incentive-based compensation plans and equity-based plans;

Table of Contents

Role of Compensation Consultant

Pursuant to its charter, the Compensation Committee is authorized to engage, retain and terminate any consultant, as well as approve the consultant's fees, scope of work and other terms of retention. For both 2015 and 2016, the Committee retained Pay Governance LLC as its independent advisor. Pay Governance advises and consults with the Committee on compensation issues and the composition of the Company's peer group, and keeps the Committee apprised of competitive practices related to executive compensation. Pay Governance assisted the Committee in the design, structure and implementation of the current annual executive compensation program, and, at the direction of the Committee, compensation levels, trends and practices. Pay Governance does not determine the exact amount or form of executive compensation for any executive officers. Pay Governance reports directly to the Committee, and a representative of Pay Governance, when requested, attends meetings of the Committee, is available to participate in executive sessions and communicates directly with the Committee Chair or its members outside of meetings. Pay Governance does no other work for the Company.

Role of Management

The Compensation Committee considers input from the CEO when making executive compensation decisions for the other officers and employees of the Company. The CEO's input is useful because the CEO reviews and observes the performance of the officers and employees at the Company. The Compensation Committee and Board of Directors determine the compensation of the CEO without any management input.

Performance Goals

The Compensation Committee believes that a significant portion of each NEO's compensation should be tied to the Company's performance. The Company measures performance based on certain operational and financial objectives. Performance goals have changed from time to time and will continue to change as the condition of the Company and its fuel technology evolve.

Peer Group Analysis

The Company has historically evaluated its compensation program against the programs at other companies in order to ensure its compensation program is competitive. With the assistance of Pay Governance, the peer companies were selected based on (i) revenue scope within a reasonable range, (ii) market capitalization within a reasonable range of

the Company's market capitalization, and (iii) companies focused on technologies and services with potential environmental applications. In November 2015, the peer group consisted of:

- Arrowhead Research
- Maxwell Technologies
- Research Frontiers
- Spherix Inc.
- US Ecology
- Ecology and Environment
- Perma-Fix Environmental Services
- Sooner Holdings
- TRC Companies

Table of Contents

During 2016, Sooner Holdings was removed from the peer group because of its acquisition by Renewable Energy Group, and the following companies were added to the peer group:

- Gevo
- PharmAthene
- GSE Systems, Inc.
- Superconductor Technologies

The Company traditionally targeted all elements of its compensation programs to provide a competitive compensation opportunity at the median range of companies whose compensation is used in our peer group.

Executive Compensation Elements

Overview and Compensation Mix

The following table illustrates the principal elements of the Company’s executive compensation program, each of which is evaluated and update on an annual basis by the Compensation Committee:

Pay Element	Characteristics	Primary Objective
Base Salary	Annual fixed cash compensation	Attract and retain qualified and high performing executives
Short-Term Incentive Compensation	Annual performance-based bonus payable in cash or equity awards	Incentivize our NEOs to achieve short-term goals
Long-Term Incentive Compensation	Stock options	Retain our NEOs and align their interests with the interests of our stockholders

In addition to the above-mentioned elements, the Company also provides a retirement, health and welfare benefit component to the executive compensation program.

The 2015 and 2016 compensation mix for the Company’s NEOs demonstrates the Company’s philosophy regarding significant long-term and performance-based compensation. The following is a summary of the components of the compensation policy for the Company’s NEOs.

Fixed Compensation

Base Salary. The Compensation Committee establishes base salaries for our executives based on the scope of their responsibilities, and takes into account competitive market compensation paid by comparable companies. The Company believes that a competitive compensation program will enhance its ability to attract and retain senior executives. In each case, the Compensation Committee takes into account each officer's (i) current and prior compensation, (ii) scope of responsibilities, (iii) experience, (iv) comparable market salaries and (v) the Company's achievement of performance goals (both financial and non-financial). The Compensation Committee also (i) has the opportunity to meet with the officers at various times during the year, which allows the Compensation Committee to form its own assessment of each individual's performance and (ii) reviews reports of the CEO presented to the Compensation Committee, evaluating each of the other officers, including a review of their contributions and performance over the past year, strengths, weaknesses, development plans and succession potential.

Table of Contents

In November 2016, after taking into account the above-mentioned factors, historical base salaries, the performance of the NEOs and the Company's need to preserve capital, the Compensation Committee provided a 3% increase in the base salaries of Mr. Grae and Mr. Graham and a 5% increase in the base salary of Ms. Zwobota, as follows:

Name	Title	2016	2017
		Base Salary	Base Salary
Seth Grae	Chief Executive Officer, President and Director	\$ 432,904	\$ 445,891
Thomas Graham, Jr.	Chairman and Corporate Secretary	\$ 187,774	\$ 193,408
Linda Zwobota	Chief Financial Officer	\$ 187,625	\$ 197,006

For more information about the 2016 base salaries for each of our NEOs, please see the 2016 Summary Compensation Table below.

Retirement, Health and Welfare Benefits

The Company offers a variety of health and welfare and retirement programs to all eligible employees. The NEOs generally are eligible for the same benefit programs on the same basis as the rest of the Company's employees. The Company's health and welfare programs include medical, dental and vision. In addition to the foregoing, the NEOs are eligible to participate in a defined contribution profit sharing plan (the "401(k)") that is administered by a committee of trustees appointed by the Company. Substantially all employees are eligible to participate in the 401(k) plan. The Company did not make matching contributions in 2015 or 2016.

Perquisites

We do not provide any perquisites, whether cash or otherwise, to our NEOs. We feel that our executive compensation program, particularly given the Company's capital needs, provides our NEOs with competitive compensation such that we do not need to provide any perquisites to achieve the goals of our executive compensation program.

Short-Term Incentive Compensation

The Compensation Committee has established a short-term incentive (STI) program pursuant to which each of the NEOs could earn a cash or stock based bonus on the achievement of individualized or Company-wide performance expectations. The target value of the award was established at 50% of base salary in the case of Mr. Grae and 40% of base salary in the case of Ms. Zwobota. Mr. Graham is not eligible for an STI award. For fiscal 2016, the Compensation Committee determined that both Mr. Grae and Ms. Zwobota exceeded expectations, and Mr. Grae was awarded a bonus equal to 88% of his base salary while Ms. Zwobota was awarded a bonus equal to 60% of her base salary. All bonuses for 2016 were paid 50% in cash and 50% in stock options.

Table of Contents

Long-Term Incentive Compensation

The Compensation Committee approved certain front-loaded option awards to the Company's executive officers, including its NEOs, in November 2015 based upon the recommendation of Pay Governance. The option awards were intended to represent two years of long-term incentive (LTI) award value and were structured to re-incentivize the Company's management team in light of the declining value of the equity awards outstanding at the time. Because of the decline in the Company's stock price, most of the Company's outstanding equity awards had little to no realizable value, with only a small portion of such awards having some intrinsic value upon an increase in the Company's stock price to the highest prices reached in 2014 and 2015. In addition, historical equity awards had resulted in no realized value to the Company's management team. The front-loaded LTI option awards that vest over three years are intended to tie a significant portion of executive compensation to increases in the Company's stock price going forward.

“Say-on-Pay” Stockholder Vote

In 2016, as in prior years, we sought an advisory vote from our stockholders regarding our executive compensation program and received approximately 58% support. Although a majority of our stockholders supported our executive compensation, the level of support did not meet the Compensation Committee's expectations. In response, management and advisers to the Company sought input concerning the Company's executive compensation program and the 2016 say-on-pay vote from selected stockholders. The Compensation Committee considered the results of the advisory vote and this stockholder input as it completed its annual review of each pay element and the compensation packages provided to our NEOs. As discussed above, we have responded by increasing disclosure regarding executive compensation, as well as limiting equity awards following the November 2015 grants, resulting in an approximately 45% decrease in executive compensation in 2016 as reflected in the 2016 Summary Compensation Table. The Compensation Committee will continue to consider the outcome of our say-on-pay votes and our stockholder views when making future compensation decisions for our NEOs.

Target Total Direct Compensation for Fiscal 2017

No substantial changes to the Company's compensation programs are currently envisioned for 2017. The target compensation packages for our NEOs will continue to be comprised of base salary and, subject to Compensation Committee approval, a performance-based annual incentive plan pursuant to the STI program and stock options under the LTI program. Base salaries have been positioned to reflect job content and competitive pay practices, as discussed above.

Employment Agreements and Other Arrangements

Seth Grae. On February 14, 2006, the Company entered into an employment agreement with Seth Grae. Mr. Grae received a base salary under the agreement, which is currently set at \$445,891 annually. Mr Grae is also eligible to receive raises and discretionary bonuses, as well as stock based compensation over the term of the agreement. Upon termination by the Company other than for cause, Mr. Grae will receive severance payments equal to his base salary at the time of termination for twelve months, payable in installments in accordance with the Company's normal payroll practices.

Thomas Graham, Jr. On August 1, 2007, the Company entered into an employment agreement with Mr. Graham. Pursuant to the agreement, Mr. Graham earns an annual salary in the amount of \$193,408. Mr. Graham's employment agreement does not provide for payments to Mr. Graham upon his death, disability or other separation from the Company.

Linda Zwobota. On November 26, 2014, Ms. Zwobota agreed to assume the role of interim Chief Financial Officer of the Company. Prior to that appointment, Ms. Zwobota served as the Company's Controller, a position she held since October 2009, when she joined the Company. In 2015, the Board appointed Ms. Zwobota as Chief Financial Officer of the Company. Ms. Zwobota does not have an employment agreement with the Company and is employed at-will. She currently receives annual base compensation of \$197,006.

Table of Contents

Internal Revenue Code Section 162(m)

Section 162(m) of the Internal Revenue Code generally places a \$1,000,000 limit on the deductibility for federal income tax purposes of the annual compensation paid to a company's CEO and each of its other three most highly compensated executive officers (excluding the CFO). However, "qualified performance-based compensation" is exempt from this deductibility limitation. Qualified performance-based compensation is compensation paid based solely upon the achievement of objective performance goals, the material terms of which are approved by the stockholders of the paying corporation.

The Compensation Committee considers the anticipated tax treatment to the Company when determining executive compensation and routinely seeks to structure its executive compensation program in a way that preserves the deductibility of compensation payments and benefits. It should be noted, however, that there are many factors which are considered by the Compensation Committee in determining executive compensation and, similarly, there are many factors that may affect the deductibility of executive compensation. In order to maintain the flexibility to be able to compensate NEOs in a manner designed to promote varying corporate goals, the Compensation Committee has not adopted a strict policy that all executive compensation must be deductible under Section 162(m).

Report of the Compensation Committee

The Compensation Committee has reviewed and discussed the foregoing Compensation Discussion and Analysis with management, and based on review and discussions, the Compensation Committee recommended to the Board the Compensation Discussion and Analysis be included in this proxy statement.

Members of the Compensation Committee:

Victor E. Alessi

Daniel B. Magraw

Kathleen Kennedy Townsend

2016 Summary Compensation Table

The following table sets forth information concerning all cash and non-cash compensation awarded to, earned by or paid to our NEOs for services rendered in all capacities during the noted periods.

Name and Principal Position	Year	Salary	Bonus	Option Awards	Total
		(\$)	(\$) ⁽¹⁾	(\$) ⁽²⁾	(\$)
Seth Grae CEO, President and Director	2016	435,069	189,396	227,275	851,740
	2015	415,725	229,164	1,045,776	1,690,665
Thomas Graham, Jr. Chairman ⁽³⁾	2016	187,774	-	-	187,774
	2015	180,323	-	91,777	272,100
Linda Zwobota CFO	2016	189,188	56,287	67,545	313,020
	2015	163,708	33,504	312,105	509,317

(1) Of the amounts shown, 50% of the 2016 bonus for each of Mr. Grae and Ms. Zwobota has been accrued but is unpaid.

Table of Contents**Outstanding Equity Awards at Fiscal Year End**

The following table sets forth all outstanding equity awards to our named executive officers as of December 31, 2016.

Name	Option Awards Number of Securities		Option Exercise Price (\$)	Option Expiration Date
	Underlying Unexercised Options (#)			
	Exercisable	Unexercisable		
Seth Grae	7,263	-	52.50	12/5/2017
	22,574	-	28.50	7/14/2019
	13,328	-	43.25	3/11/2020
	8,521	-	27.65	3/19/2021
	20,708	10,354(1)	12.75	5/5/2019
	65,780	9,847	6.30	4/8/2025
	7,382	1,870	6.30	8/12/2025
	122,262	86,880	4.60	11/20/2025
218,377(2)	-	1.54	11/9/2026	
Thomas Graham	10,000	-	40.50	7/5/2017
	1,923	-	52.50	12/5/2017
	5,650	-	6.30	4/8/2025
	1,152	-	6.30	8/12/2025
	18,867	-	4.60	11/20/2025
Linda Zwobota	2,582	1,290(1)	12.75	5/5/2019
	19,172	4,487	6.30	4/9/2025
	3,174	1,459	6.30	8/12/2025
	27,874	30,123	4.60	11/20/2025
	64,900(3)	-	1.54	11/9/2026

(1) These stock options become exercisable on May 5, 2017.

Table of Contents

Potential Payments upon Termination or Change in Control

Employment Agreements

As noted above under “-Employment Agreements and Other Arrangements,” Mr. Grae has entered into an employment agreement with the Company. Upon Mr. Grae’s death or disability, or upon his termination by the Company without cause (as defined in the employment agreement) or by Mr. Grae for good reason (as defined in the employment agreement), Mr. Grae will receive severance payments equal to his base salary at the time of termination for twelve months, payable in installments in accordance with the Company’s normal payroll practices. Mr. Grae will also be entitled to continued benefits under group health, dental and life insurance plans for a period of twelve months following his termination.

Mr. Graham’s employment agreement with the Company does not provide for payments upon his termination, death or disability. Ms. Zwobota does not have an employment agreement with the Company.

Equity Incentive Plans

Under the Company’s 2006 Stock Plan and 2015 Equity Incentive Plan, each as amended, the Board of Directors or the Compensation Committee may accelerate the vesting of awards outstanding thereunder upon a change in control of the Company. The Board of Directors or the Compensation Committee may also provide for the payment of the cash value of the awards in connection with a change in control under circumstances specified in the Plans. In addition, certain awards under the 2006 Stock Plan, including stock options granted to Mr. Grae, vest immediately upon a change in control (as defined in Mr. Grae’s employment agreement) of the Company.

Director Compensation

The following table sets forth certain information concerning the compensation paid to our directors for services rendered to us during the fiscal 2016. None of Messrs. Grae, Graham or Hou was compensated for his service as a director in 2016. Beginning November 9, 2016, Ms. Townsend is paid \$34,608 annually, up from \$33,600 annually, and Mr. Alessi and Mr. Magraw are each paid \$32,878 annually, up from \$31,920 annually.

Name	Fees Earned or	
	Paid in Cash	Total
	(\$)	(\$)
Victor Alessi	\$ 32,160	\$ 32,160
Xingping Hou	-	-
Daniel Magraw	\$ 32,160	\$ 32,160
Kathleen Kennedy Townsend	\$ 33,852	\$ 33,852

Each of Messrs. Alessi and Magraw individually had an aggregate of 167,352 option awards outstanding as of December 31, 2016, and Ms. Townsend had 164,558 option awards outstanding as of December 31, 2016.

Except for Mr. Alessi, Mr. Hou, Mr. Magraw and Ms. Townsend, all of our current directors are also our officers and are compensated for the services that they provide to us in their capacity as officers. Other than Mr. Alessi, Mr. Magraw and Ms. Townsend, our current directors do not receive any additional compensation for the services they provide to us as directors. Directors are reimbursed for out of pocket expenses incurred as a result of their participation on our Board.

Table of Contents**SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following tables set forth information known to us with respect to the beneficial ownership of our common stock as of March 22, 2017 for: (i) each person known by us to beneficially own more than 5% of our voting securities, (ii) each named executive officer, (iii) each of our directors and nominees, and (iv) all of our current executive officers and directors as a group. The address of each executive officer, director and nominee is care of Lightbridge Corporation, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA. Except as explained in the footnotes to the following table, each person listed, and the members of the group, had sole voting power and sole investment power with respect to the shares shown.

Name	Common Stock Held Directly	Derivative Securities⁽¹⁾	Total Beneficial Ownership	Percent of Common Stock
Victor Alessi	3,310	30,139	33,449	*
Seth Grae	122,814(2)	383,656	506,470	5.1%
Thomas Graham, Jr.	24,726(3)	37,592	62,318	*
Xingping Hou	-	1,049,353	1,049,353	9.8%
Dan Magraw	10,181	30,139	40,320	*
Kathleen Kennedy Townsend	1,264	32,914	34,178	*
Linda Zwobota	832	116,412	117,244	1.2%
Current Directors and Executive Officers as a Group (eight people)	188,612	1,869,992	2,058,604	17.9%

* Denotes less than 1% of the outstanding shares of common stock.

(1) Other than in the case of Mr. Hou, consists of stock options to purchase the Company's common stock that are exercisable within 60 days of March 22, 2017. For Mr. Hou, consists of convertible preferred common stock owned through a controlled entity.

Table of Contents

REPORT OF THE AUDIT COMMITTEE

The Audit Committee of the Board is comprised of three non-employee directors, each of whom has been determined by the Board to be “independent” under the meaning of Rule 10A-3(b)(1) under the Securities Exchange Act of 1934, as amended. The Board has determined, based upon an interview of Kathleen Kennedy Townsend and a review of Ms. Townsend’s responses to a questionnaire designed to elicit information regarding her experience in accounting and financial matters, that Ms. Townsend shall be designated as an “audit committee financial expert” within the meaning of Item 407(d) of SEC Regulation S-K, as Ms. Townsend has past employment experience in finance or accounting, requisite professional certification in accounting, or any other comparable experience or background which results in her financial sophistication. The Audit Committee assists the Board’s oversight of the integrity of the Company’s financial reports, compliance with legal and regulatory requirements, the qualifications and independence of the Company’s independent registered public accounting firm, the audit process, and internal controls. The Audit Committee operates pursuant to a written charter adopted by the Board. The Audit Committee is responsible for overseeing the corporate accounting and financial reporting practices, recommending the selection of the Company’s registered public accounting firm, reviewing the extent of non-audit services to be performed by the auditors, and reviewing the disclosures made in the Company’s periodic financial reports. The Audit Committee also reviews and recommends to the Board that the audited financial statements be included in the Company’s Annual Report on Form 10-K.

Following the end of the fiscal year ended December 31, 2016, the Audit Committee (1) reviewed and discussed the audited financial statements for the fiscal year ended December 31, 2016 with Company management; (2) discussed with the independent auditors the matters required to be discussed by Auditing Standard No. 16 (*Communications with Audit Committees*), as may be modified or supplemented; and (3) received the written disclosures and the letter from the independent accountants required by applicable requirements of the Public Company Accounting Oversight Board regarding the independent accountant’s communications with the Audit Committee concerning independence, and has discussed with the independent accountant its independence.

Based on the review and discussions referred to above, the Audit Committee had recommended to the Board that the audited financial statements be included in the Company’s Annual Report on Form 10-K for the fiscal year ended December 31, 2016 for filing with the SEC.

Members of the Audit Committee:

Kathleen Kennedy Townsend

Victor E. Alessi

Daniel B. Magraw

Table of Contents**PROPOSAL 1 - ELECTION OF DIRECTORS**

The Board is responsible for establishing broad corporate policies and monitoring the overall performance of the Company. It selects the Company's executive officers, delegates authority for the conduct of the Company's day-to-day operations to those officers, and monitors their performance. Members of the Board keep themselves informed of the Company's business by participating in Board and Committee meetings, by reviewing analyses and reports, and through discussions with the Chairman and other officers.

See "Governance and Nominating Committee" above for a discussion of the process for selecting directors. There are currently six directors serving on the Board. At the annual meeting, six directors will be elected. The individuals who have been nominated for election to the Board at the annual meeting are listed in the table below. Each of the nominees is a current director of the Company.

If, as a result of circumstances not now known or foreseen, any of the nominees is unavailable to serve as a nominee for director at the time of the annual meeting, the holders of the proxies solicited by this proxy statement may vote those proxies either (i) for the election of a substitute nominee who will be designated by the proxy holders or by the present Board or (ii) for the balance of the nominees, leaving a vacancy. Alternatively, the size of the Board may be reduced accordingly. The Board has no reason to believe that any of the nominees will be unwilling or unable to serve, if elected as a director. Directors are elected by plurality of the votes cast at the meeting. **Proxies submitted on the accompanying proxy card will be voted for the election of the nominees listed below, unless the proxy card is marked otherwise.**

The Board recommends a vote FOR the election of the nominees listed below.

Nominees

The names, the positions with the Company and the ages as of April 7, 2017 of the individuals who are our nominees for election as directors are:

Name	Age	Position with Lightbridge	Director Since
Seth Grae	54	President, CEO and Director	April 2006
Thomas Graham, Jr.	83	Chairman and Corporate Secretary	April 2006

Xingping Hou	56	Co-Chairman	August 2016
Victor E. Alessi	77	Director	August 2006
Kathleen Kennedy Townsend	65	Director	October 2013
Daniel B. Magraw	70	Director	October 2006

General Information

See “Directors and Executive Officers” above for biographical summaries for each of our director nominees. For information as to the shares of the common stock held by each nominee, see “Security Ownership of Certain Beneficial Owners and Management” above.

All directors will hold office until the next election of directors, or until their earlier death, resignation, removal or disqualification, and until their respective successors are duly elected and qualified. There are no arrangements or understandings between any of the nominees, directors or executive officers and any other person pursuant to which any of our nominees, directors or executive officers have been selected for their respective positions, other than in the case of Mr. Hou, who was appointed to the Board in August 2016 pursuant to the terms of an investors rights agreement between the Company and an entity controlled by Mr. Hou. No nominee, member of the Board or executive officer is related to any other nominee, member of the Board or executive officer.

Table of Contents

General Requirements

Directors are responsible for overseeing the Company's business consistent with their fiduciary duty to stockholders. This significant responsibility requires highly-skilled individuals with various qualities, attributes and professional experience. The Board believes that there are general requirements for service on the Board that are applicable to all directors and that there are other skills and experience that should be represented on the Board as a whole but not necessarily by each director. The Board and the Governance and Nominating Committee of the Board consider the qualifications of directors and director candidates individually and in the broader context of the Board's overall composition and the Company's current and future needs.

Qualifications for All Directors

In its assessment of each potential candidate, including those recommended by stockholders, the Governance and Nominating Committee considers the nominee's judgment, integrity, experience, independence, understanding of the Company's business or other related industries and such other factors the Governance and Nominating Committee determines are pertinent in light of the current needs of the Board. The Governance and Nominating Committee also takes into account the ability of a director to devote the time and effort necessary to fulfill his or her responsibilities to the Company.

The Board and the Governance and Nominating Committee require that each director be a recognized person of high integrity with a proven record of success in his or her field. Each director must demonstrate innovative thinking, familiarity with and respect for corporate governance requirements and practices, an appreciation of multiple cultures and a commitment to sustainability and to dealing responsibly with social issues. In addition to the qualifications required of all directors, the Board assesses intangible qualities including the individual's ability to ask difficult questions and, simultaneously, to work collegially.

The Board does not have a specific diversity policy, but considers diversity of race, ethnicity, gender, age, cultural background and professional experiences in evaluating candidates for Board membership. Diversity is important because a variety of points of view contribute to a more effective decision-making process.

Qualifications, Attributes, Skills and Experience to be Represented on the Board as a Whole

The Board has identified particular qualifications, attributes, skills and experience that are important to be represented on the Board as a whole, in light of the Company's current needs and business priorities. The Company's services are performed in various countries around the world and significant areas of future growth are located outside of the United States. The Company's business is truly global and multicultural. Therefore, the Board believes that international experience or specific knowledge of key geographic growth areas and diversity of professional experiences should be represented on the Board. The Company's business is multifaceted and involves complex financial transactions in various countries. Therefore, the Board believes that the Board should include some directors with a high level of financial literacy and some directors who possess relevant business experience as a chief executive officer or president. Our business involves complex technologies in a highly specialized industry. Therefore, the Board believes that extensive knowledge of the Company's business and the nuclear industry should be represented on the Board. The Company's business also requires compliance with a variety of regulatory requirements across a number of countries and relationships with various governmental entities. Therefore, the Board believes that governmental, political or diplomatic expertise should be represented on the Board.

Table of Contents

Summary of Qualifications of 2017 Nominees for Director

Set forth below are the specific qualifications, attributes, skills and experiences of our directors.

Seth Grae

Mr. Grae's service as the Company's President and Chief Executive Officer and his extensive experience in the nuclear industry provide valuable insight to the Board about the Company and the nuclear industry more generally.

Thomas Graham, Jr.

Mr. Graham's service as the Company's chairman of the board, his experience as chairman of the board of several other companies, his extensive experience and knowledge related to nuclear non-proliferation, his knowledge of international law, and his experience as a senior US diplomat provide valuable insight to the Board about the Company, and about nuclear policy and international law more generally.

Xingping Hou

Mr. Hou's significant experience in complex international enterprises provides valuable insight to the Board about international operations and financial and strategic planning.

Victor E. Alessi

Dr. Alessi's service as a director of the Company since August 2006, his expertise in nuclear physics, his experience as the president of a large organization, his technological experience, his work on nuclear non-proliferation and policy, his experience with government entities both within the US and internationally, and his experience working as a senior DOE official provide valuable insight to the Board about the Company, and about nuclear policy, organizational strategy and compliance more generally.

Kathleen Kennedy Townsend

Ms. Townsend brings a long history of accomplishments in the public and private sectors that demonstrate her high level of financial literacy, her experience as a director, her risk oversight and management expertise, as well as her experience in the political arena which provide valuable insights to the board related to financial performance, the understanding of financial statements, and compliance provide valuable insight to the Board about the Company, and about financial performance and controls more generally.

Daniel B. Magraw

Mr. Magraw's experience as a director of the Company since October 2006, his expertise on international environmental law and policy and international business law, as well as his long history of leadership roles provide valuable insight to the Board about the Company, and about nuclear policy and international law more generally.

Table of Contents

PROPOSAL 2 - APPROVAL OF AN AMENDMENT TO THE LIGHTBRIDGE CORPORATION 2015 EQUITY INCENTIVE PLAN TO INCREASE THE NUMBER OF SHARES AVAILABLE UNDER THE PLAN

We are asking our stockholders to approve an amendment to the Lightbridge Corporation 2015 Equity Incentive Plan (the “2015 Plan”) to increase the number of shares that may be issued thereunder from 1,400,000 shares to 2,900,000 shares. The Compensation Committee, pursuant to authority delegated by the Board, has approved the increase in the number of shares reserved for issuance under the 2015 Plan, subject to approval from stockholders at the annual meeting.

The Company believes strongly that the approval of this amendment to the 2015 Plan will enable the Company to continue to use the 2015 Plan to achieve our goals in attracting and retaining one of our most valuable assets: our employees. Long-term incentives have been a critical component of our compensation programs and are intended to reward our employees for long-term sustained performance that is aligned with stockholder interests. The 2015 Plan is designed to assist in recruiting, motivating and retaining talented employees who help us achieve our business goals, including creating long-term value for stockholders. The Company believes that employees who have a stake in the future success of our business become highly motivated to achieve our long-term business goals and increase stockholder value.

The 2015 Plan was originally adopted on March 25, 2015 and approved by our stockholders at the 2015 annual meeting. Approval of the amendment to the 2015 Plan is needed to replenish the pool of shares available for the grant of stock-based compensation, and no shares remain available under the 2015 Plan as of the date of this proxy statement. The Company’s named executive officers and directors have an interest in this proposal due to their participation in the 2015 Plan, including outstanding option awards that are contingent on an increase in the number of shares available for issuance under the 2015 Plan. See “Executive Compensation.” If stockholder approval is not obtained, we will not be able to grant additional equity awards under the 2015 Plan.

The 2015 Plan incorporates key corporate governance practices, including the following:

- The price of any option may not be altered or repriced without stockholder approval;

The amendment to the 2015 Plan is being submitted to the stockholders for approval in order to comply with the applicable requirements of the Nasdaq Stock Market and to qualify certain awards made to certain officers as deductible for federal income tax purposes under section 162(m) of the Code. Stockholder approval is also necessary

under the federal income tax rules applicable to incentive stock options.

Table of Contents

Significant Features of the 2015 Plan

The following is a summary of certain significant features of the 2015 Plan. The information which follows is subject to, and qualified in its entirety by reference to, the 2015 Plan document, which as revised to reflect the proposed amendment is attached to this proxy statement as Appendix A. We urge you to read the 2015 Plan in its entirety.

Awards that may be granted include: (a) Incentive Stock Options, (b) Non-qualified Stock Options, (c) Stock Appreciation Rights, (d) Restricted Awards, (e) Performance Share Awards, and (f) Performance Compensation Awards. These awards offer the Company's officers, employees and directors the possibility of future value, depending on the long-term price appreciation of the Company's common stock and the award holder's continuing service with the Company.

Stock options give the option holder the right to acquire from the Company a designated number of shares of common stock at a purchase price that is fixed upon the grant of the option. The exercise price will be not less than the market price of the common stock on the date of grant. Stock options granted may be either tax-qualified stock options (so-called "incentive stock options") or non-qualified stock options.

Stock appreciation rights ("SARs"), which may be granted alone or in tandem with options, have an economic value similar to that of options. When a SAR for a particular number of shares is exercised, the holder receives a payment equal to the difference between the market price of the shares on the date of exercise and the exercise price of the shares under the SAR. Again, the exercise price for SARs normally is the market price of the shares on the date the SAR is granted. Under the 2015 Plan, holders of SARs may receive this payment - the appreciation value - either in cash or shares of common stock valued at the fair market value on the date of exercise. The form of payment will be determined by the Company.

Restricted shares are shares of common stock awarded to participants at no cost. Restricted shares are forfeitable and non-transferable until the shares vest. The vesting date or dates and other conditions for vesting are established when the shares are awarded.

The 2015 Plan also provides for performance compensation awards, representing the right to receive a payment, which may be in the form of cash, shares of common stock, or a combination, based on the attainment of pre-established goals.

All of the permissible types of awards under the 2015 Plan are described in more detail as follows:

Purposes of 2015 Plan: The purposes of the 2015 Plan are to: attract and retain officers, employees and directors for the Company and its subsidiary; motivate them by means of appropriate incentives to achieve long-range goals; provide incentive compensation opportunities; and further align their interests with those of the Company's stockholders through compensation that is based on the Company's common stock.

Administration of the 2015 Plan: Administration of the 2015 Plan is entrusted to the Compensation Committee of the Board of Directors (the "Committee"). Among other things, the Committee has the authority to select persons who will receive awards, determine the types of awards and the number of shares to be covered by awards, and to establish the terms, conditions, performance criteria, restrictions and other provisions of awards. The Committee has authority to establish, amend and rescind rules and regulations relating to the 2015 Plan.

Table of Contents

Eligible Recipients: Persons eligible to receive awards under the 2015 Plan will be those officers, employees and directors of the Company and its subsidiaries who are selected by the Company's Board of Directors or the Committee of the Board administering the 2015 Plan. At March 31, 2017, approximately 15 individuals were eligible to participate in the 2015 Plan.

Shares Available Under the 2015 Plan: The maximum number of shares of our common stock that currently may be delivered to participants under the 2015 Plan is 1,400,000 shares, subject to adjustment for certain corporate changes affecting the shares, such as stock splits. If the stockholders approve the proposed amendment, the number of shares available under the 2015 Plan will increase to 2,900,000 shares. Shares subject to an award under the 2015 Plan for which the award is canceled, forfeited or expires again become available for grants under the 2015 Plan. Shares subject to an award that is settled in cash will not again be made available for grants under the 2015 Plan. The maximum number of shares that may be covered by awards to any single individual in any year is 300,000 and the maximum cash payment that can be made to any individual for any single or combined performance goals for any performance period is \$250,000.

Stock Options:

General. Subject to the provisions of the 2015 Plan, the Committee has the authority to determine all grants of stock options. That determination will include: (i) the number of shares subject to any option; (ii) the exercise price per share; (iii) the expiration date of the option; (iv) the manner, time and date of permitted exercise; (v) other restrictions, if any, on the option or the shares underlying the option; and (vi) any other terms and conditions as the Committee may determine.

Option Price. The exercise price for stock options will be determined at the time of grant. Normally, the exercise price will not be less than the fair market value on the date of grant. As a matter of tax law, the exercise price for any incentive stock option awarded may not be less than the fair market value of the shares on the date of grant. However, incentive stock option grants to any person owning 10% or more of the Company's voting stock must have an exercise price of not less than 110% of the fair market value on the grant date.

Exercise of Options. An option may be exercised only in accordance with the terms and conditions for the option agreement as established by the Committee at the time of the grant. The option must be exercised by notice to the Company, accompanied by payment of the exercise price. Payments may be made in cash or, at the option of the Committee, by actual or constructive delivery of shares of common stock to the holder of the option based upon the fair market value of the shares on the date of exercise.

Expiration or Termination. Options, if not previously exercised, will expire on the expiration date established by the Committee at the time of grant. In the case of incentive stock options, such term cannot exceed ten years provided that in the case of holders of 10% or more of the Company's voting stock, such term cannot exceed five years. Options will terminate before their expiration date if the holder's service with the Company or a subsidiary terminates before the expiration date. The option may remain exercisable for specified periods after certain terminations of employment, including terminations as a result of death, disability or retirement, with the precise period during which the option may be exercised to be established by the Committee and reflected in the grant evidencing the award.

Table of Contents

Incentive and Non-Qualified Options. As described elsewhere in this summary, an incentive stock option is an option that is intended to qualify under certain provisions of the Internal Revenue Code of 1986, as amended (the “Code”) for more favorable tax treatment than applies to non-qualified stock options. Any option that does not qualify as an incentive stock option will be a non-qualified stock option. Under the Code, certain restrictions apply to incentive stock options. For example, the exercise price for incentive stock options may not be less than the fair market value of the shares on the grant date and the term of the option may not exceed ten years. In addition, an incentive stock option may not be transferred, other than by will or the laws of descent and distribution, and is exercisable during the holder’s lifetime only by the holder. In addition, no incentive stock options may be granted to a holder that is first exercisable in a single year if that option, together with all incentive stock options previously granted to the holder that also first become exercisable in that year, relate to shares having an aggregate market value in excess of \$100,000, measured at the grant date.

Stock Appreciation Rights: Awards of stock appreciation rights or “SARs” may be granted alone or in tandem with stock options. SARs provide the holder with the right, upon exercise, to receive a payment, in cash or shares of stock, having a value equal to the excess of the fair market value on the exercise date of the shares covered by the award over the exercise price of those shares. Essentially, a holder of a SAR benefits when the market price of the common stock increases, to the same extent that the holder of an option does, but, unlike an option holder, the SAR holder need not pay an exercise price upon exercise of the award.

Stock Awards: Stock Awards can also be granted under the 2015 Plan. A stock award is a grant of shares of common stock or of a right to receive shares in the future. These awards will be subject to such conditions, restrictions and contingencies as the Committee shall determine at the date of grant. Those may include requirements for continuous service and/or the achievement of specified performance goals.

Cash Awards: A cash award is an award that may be in the form of cash or shares of common stock or a combination, based on the attainment of pre-established performance goals and other conditions, restrictions and contingencies identified by the Committee.

Other Material Provisions: Awards will be evidenced by a written agreement, in such form as may be approved by the Committee. In the event of various changes to the capitalization of the Company, such as stock splits, stock dividends and similar re-capitalizations, an appropriate adjustment will be made by the Committee to the number of shares covered by outstanding awards or to the exercise price of such awards. The Committee is also permitted to include in the written agreement provisions that provide for certain changes in the award in the event of a change of control of the Company, including acceleration of vesting. Except as otherwise determined by the Committee at the date of grant, awards will not be transferable, other than by will or the laws of descent and distribution. Prior to any award distribution, the Company is permitted to deduct or withhold amounts sufficient to satisfy any employee withholding tax requirements. Our Board also has the authority, at any time, to discontinue the granting of awards. The Board also has the authority to alter or amend the 2015 Plan or any outstanding award or may terminate the 2015 Plan as to further grants, provided that no amendment will, without the approval of the Company’s stockholders, to the

extent that such approval is required by law or the rules of an applicable exchange, increase the number of shares available under the 2015 Plan, change the persons eligible for awards under the 2015 Plan, extend the time within which awards may be made, or amend the provisions of the 2015 Plan related to amendments. No amendment that would adversely affect any outstanding award made under the 2015 Plan can be made without the consent of the holder of such award.

Federal Income Tax Consequences of Awards: The following is based on current laws, regulations and interpretations, all of which are subject to change. It does not purport to be complete and does not describe the state, local or foreign tax considerations or the consequences for any particular individual.

Table of Contents

Stock Options. In general, the grant of a stock option will not be a taxable event to the recipient and will not result in a tax deduction to the Company. The tax consequences resulting from an exercise of a stock option and the subsequent disposition of the shares acquired upon the exercise depends, in part, on whether the option is an incentive stock option or a non-qualified stock option.

Upon the exercise of a non-qualified stock option, the holder will recognize ordinary compensation income in an amount equal to the excess of the fair market value of the shares received upon exercise over the exercise price (the “spread”). The Company will be able to claim a tax deduction for this spread, provided it satisfies compensation reporting requirements under the Code and is not otherwise precluded from taking a deduction because of Section 162(m) deduction limitations described below. Any gain or loss upon the subsequent sale or exchange of the shares by the holder will be capital gain or loss, long term or short term, depending upon the holding period for the shares.

Upon the exercise of an incentive stock option, a holder will generally not recognize taxable income at the time of exercise and no tax deduction will be available to the Company, provided the option is exercised when the holder is an employee of the Company or, in certain circumstances, within a limited time thereafter. The difference between the exercise price and the fair market value of the shares on the date of exercise is treated by the holder as an item of adjustment for purposes of the alternative minimum tax. If the shares acquired upon an exercise of an incentive stock option are subsequently sold by the holder and such sale takes place after the statutory “holding period” (which is the later of two years from the date of grant or one year after the date of exercise), the gain or loss realized will be the difference between the sales price and the exercise price and will be treated as a long term capital gain or loss. If the sale takes place prior to expiration of the holding period, the holder of the shares will recognize ordinary income at the time of sale equal to the spread and the Company will be entitled to a tax deduction in equal amount. The remaining gain to the holder, if any, will be capital gain, either long term or short term.

Stock Appreciation Rights. No taxable income will be realized by a recipient in connection with the grant of a SAR. Generally, when the holder of a SAR exercises the SAR, the amount of cash or the fair market value of the shares received upon exercise will be ordinary compensation income to the holder and the Company will be entitled to a corresponding tax deduction, subject to Section 162(m).

Restricted Shares. An award of restricted shares, like the grant of an option, is not taxable to the recipient. The holder of restricted shares generally will recognize ordinary compensation income at the time the restrictions on the shares lapse, which is the vesting date thereof, based on the fair market value of the Company’s shares on that date. Subject to the Section 162(m) limitations, this amount is deductible for federal income tax purposes by the Company. Dividends paid with respect to restricted shares prior to vesting will be taxable as ordinary compensation income to the holder (not as “qualifying dividends”) and will be deductible by the Company. A holder of restricted shares may elect under Section 83(b) of the Code, in lieu of the treatment described above, to take immediate recognition of income at the time the shares are received. In that event, the holder will recognize ordinary compensation income equal to the fair market value of the shares at the date of grant, which amount will be deductible by the Company, and dividends subsequently paid to the holder with respect to the shares will be taxable to the holder as “qualifying dividends” and will

not be deductible by the Company.

Table of Contents

Other Awards. Cash awards are generally taxable as ordinary compensation income in the year of receipt and will be deductible as such by the Company. Restricted stock units, deferred cash awards and other types of deferred awards are subject to Section 409A of the Code regarding non-qualified deferred compensation 2015 Plan. The Company intends to use reasonable efforts to design any such awards in a manner that avoids Section 409A or that complies with Section 409A.

Potential Limitation on Company Deductions. The Company will generally be entitled to a tax deduction in connection with awards in an amount equal to the ordinary income recognized by a recipient and at the time the recipient realizes such income, subject to Section 162(m) limitations of the Code, as discussed elsewhere in this proxy statement.

Recognition of Compensation Expense. In accordance with ASC 718, *Compensation-Stock Compensation*, the Company is required to recognize compensation expense in its income statement for the grant-date fair value of stock options and other equity-based compensation issued to its employees and directors, the amount of which can only be determined at the time of grant.

The affirmative vote of a majority of the votes cast on the proposal to approve the 2015 Equity Incentive Plan at a meeting at which a quorum is present, either in person or by proxy, is required for approval of the proposal.

New Plan Benefits and Previously Awarded Options

The future awards, if any, that will be made to eligible persons under the 2015 Plan are subject to the discretion of the Committee and, therefore, we cannot currently determine the benefits or number of shares subject to awards that may be granted in the future to our employees, consultants and non-employee directors under the 2015 Plan. Therefore, a New Plan Benefits Table is not provided.

Previously Awarded Stock Options

The following table sets forth information with respect to all outstanding stock options granted under the 2015 Plan as of close of business on March 31, 2017, to the persons named below.

	Stock Options ⁽¹⁾	
	No. of shares	Grant date fair value
<i>Named Executive Officers</i>		
Seth Grae		\$
Thomas Graham, Jr.		\$
Linda Zwobota		\$
<i>All current executive officers as a group (4 persons)</i>		\$
<i>All current employees, excluding current executive officers, as a group (7 persons) ⁽²⁾</i>		\$
<i>All current non-employee directors as a group (4 persons)</i>		

(1) See “Executive Compensation” for a discussion of certain contingent stock option awards. All grants of contingent stock options under the 2015 Plan are subject to the approval of the stockholders.

Table of Contents

The Board of Directors recommends that the stockholders vote FOR the approval of the increase in the number of shares available for issuance under the 2015 Plan.

Securities Authorized for Issuance under Equity Compensation Plans

The following table sets forth certain information about the securities authorized for issuance under our 2015 Equity Incentive Plan and 2006 Second Amended and Restated Stock Plan as of December 31, 2016.

	Number of securities to be issued upon exercise of outstanding options, warrants and rights	Weighted-average exercise price of outstanding options, warrants and rights	Number of securities remaining available for future issuance under equity compensation plans (excluding securities reflected in column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders	1,826,095	\$ 7.67	13,710
Equity compensation plans not approved by security holders	346,486	\$ 1.54	-
Total	2,172,581	\$ 6.69	13,710

(1) The weighted-average exercise price is calculated based solely on the exercise prices of the outstanding stock options.

Table of Contents

PROPOSAL 3 - AUTHORIZATION OF THE ISSUANCE OF 20% OR MORE OF THE COMPANY'S OUTSTANDING COMMON STOCK IN ACCORDANCE WITH NASDAQ LISTING RULE 5635(D)

Based on anticipated upcoming milestones, we are asking our stockholders to authorize the issuance of up to 5.0 million shares of our common stock, valued at up to \$10.0 million, in one or more offerings through August 17, 2017. The approval would allow for the sale of shares at a discount of up to 30% to the market price for the Company's common stock; however, should the Company raise capital, management would use its best efforts to secure the best terms and highest valuation possible from various parties, which may include strategic or industry partners, investment funds and/or other accredited investors. Although the Company has no immediate plans underway and only plans to raise capital following a significant event, we are seeking this authorization in advance to give the Company maximum flexibility in seeking to raise funds.

Overview

Our common stock is currently listed on the Nasdaq Capital Market and we are subject to the rules of the Nasdaq Stock Market. Nasdaq Listing Rule 5635(d) ("Rule 5635(d)") requires us to obtain stockholder approval prior to the issuance of our common stock in connection with certain offerings involving the sale, issuance or potential issuance by the Company of common stock (and/or securities convertible into or exercisable for common stock) equal to 20% or more of the common stock outstanding before the issuance. Shares of our common stock issuable upon the exercise or conversion of warrants, options, debt instruments or other equity securities issued or granted in such offerings will be considered shares issued in such a transaction in determining whether the 20% limit has been reached.

We are asking our stockholders to authorize the issuance of up to 5.0 million shares of our common stock in one or more offerings for gross proceeds of up to \$10.0 million. The sales price may not exceed a 30% discount to the market price for our common stock at the time of entering into the sales agreement. This authorization will only be valid through August 17, 2017, which is the 90th day following the scheduled date of the annual meeting. The offering or offerings may take the form of private placements or registered offerings and may have such other terms as our Board of Directors deems to be in the best interests of the Company and its stockholders, not inconsistent with the foregoing.

We have not yet identified investors or arrived at any specific terms or conditions for the potential offering, and we currently have no arrangements or understandings regarding any specific transaction with investors. We cannot predict whether we will be successful should we seek to raise capital through any offerings.

If this proposal is not approved by our stockholders, we will not be able to issue shares in excess of the amount permitted by Rule 5635(d). In such event, we may need to seek alternative sources of financing, which may not be available on terms acceptable to us or at all. We believe that, in order to pursue our business strategies, we may need to complete one or more offerings and have the ability to move quickly to raise additional capital should opportunities develop in the capital markets in the future. If our stockholders do not approve this proposal, we may seek to raise capital through alternative means, such as from exceptions to Rule 5635(d), including in public offerings or other offerings involving the issuance of less than 20% of our outstanding common stock.

Reasons for Transaction and Effect on Current Stockholders

We may seek additional capital to implement our business strategy and enhance our overall capitalization, and we intend to use any net proceeds from such offering for general corporate purposes, including research and development related to our fuel technology and working capital. We have yet to determine the particular terms for such prospective offerings. Because we may seek additional capital that triggers the requirements of Rule 5635(d), we are seeking stockholder approval now for such a financing transaction, so that we will be able to move quickly to take full advantage of any opportunities that may develop in the equity markets. We cannot determine what the actual net proceeds of the offerings will be until they are completed.

Table of Contents

Although there will be no initial effect on the holdings of current stockholders from prior approval of a future offering, the issuance of shares of our common stock, or other securities convertible into shares of our common stock, in accordance with any offerings would dilute, and thereby reduce, each existing stockholder's proportionate ownership in our common stock. Under the Company's current articles of incorporation and bylaws, stockholders do not have preemptive rights to subscribe to additional shares that may be issued by the Company in order to maintain their proportionate ownership of our common stock. The issuance of additional shares of common stock would also dilute the voting power of our existing stockholders.

Our Board of Directors has not yet determined the terms and conditions of any offerings. As a result, the level of potential dilution cannot be determined at this time. It is possible that if we conduct a stock offering, some of the shares we sell could be purchased by one or more investors who could acquire a large block of our common stock. This could concentrate voting power in the hands of a few stockholders who could exercise greater influence on our operations or the outcome of matters put to a vote of stockholders in the future. However, as noted below, we are not seeking stockholder approval for a change of control at this time.

The issuance of shares of common stock in one or more offerings could also have an anti-takeover effect. Such issuance could dilute the voting power of a person seeking control of the Company, thereby deterring or rendering more difficult a merger, tender offer, proxy contest or an extraordinary corporate transaction opposed by the Company.

Nasdaq Listing Rule 5635(b) ("Rule 5635(b)") requires us to obtain stockholder approval prior to certain issuances with respect to shares of common stock, or securities convertible into common stock, which could result in a subsequent change of control of the issuer. Generally, Nasdaq interpretations provide that the acquisition of 20% of the shares of an issuer by one person may be considered a change of control of such issuer. We are not seeking stockholder approval for a change of control under Rule 5635(b) at this time, and we will seek additional stockholder approval before issuing shares of our common stock that would result in a change of control.

THE BOARD OF DIRECTORS UNANIMOUSLY RECOMMENDS A VOTE "FOR" THE PROPOSAL TO APPROVE THE ISSUANCE OF 20% OR MORE OF THE COMPANY'S ISSUED AND OUTSTANDING COMMON STOCK IN THE POTENTIAL OFFERING.

Table of Contents

PROPOSAL 4 - ADVISORY VOTE ON EXECUTIVE COMPENSATION

The Dodd-Frank Wall Street Reform and Consumer Protection Act of 2010, or the Dodd-Frank Act, enables our stockholders to vote to approve, on an advisory (nonbinding) basis, the compensation of our named executive officers as disclosed in this proxy statement in accordance with the SEC's rules.

Our executive compensation programs are designed to attract, motivate, and retain our named executive officers, who are critical to our success. Under these programs, our named executive officers are rewarded for the achievement of specific annual, long-term and strategic goals, business unit goals, corporate goals, and the realization of increased stockholder value.

Our Compensation Committee continually reviews the compensation programs for our named executive officers to ensure they achieve the desired goals of aligning our executive compensation structure with our stockholders' interests and current market practices. We are asking our stockholders to indicate their support for our named executive officer compensation as described in this proxy statement. This proposal, commonly known as a "say-on-pay" proposal, gives our stockholders the opportunity to express their views on our named executive officers' compensation. This vote is not intended to address any specific item of compensation, but rather the overall compensation of our named executive officers and the philosophy, policies and practices described in this proxy statement. Accordingly, we will ask our stockholders to vote for the approval of the compensation of the named executive officers, as disclosed in this proxy statement pursuant to the compensation disclosure rules of the Securities and Exchange Commission.

The say-on-pay vote is advisory, and therefore not binding on the Company, the Compensation Committee or our Board. Our Board and our Compensation Committee value the opinions of our stockholders and to the extent there is any significant vote against the named executive officer compensation as disclosed in this proxy statement, they will consider our stockholders' concerns and the Compensation Committee will evaluate whether any actions are necessary to address those concerns.

The Board recommends a vote FOR the approval of the compensation of our named executive officers, as disclosed in this proxy statement pursuant to the compensation disclosure rules of the Securities and Exchange Commission.

Table of Contents

PROPOSAL 5 - ADVISORY VOTE ON THE FREQUENCY OF FUTURE ADVISORY VOTES ON EXECUTIVE COMPENSATION

The Dodd-Frank Act also enables our stockholders to indicate how frequently we should seek an advisory vote on the compensation of our named executive officers, as disclosed pursuant to the SEC's compensation disclosure rules, such as Proposal 4 above. By voting on this Proposal 5, stockholders may indicate whether they would prefer an advisory vote on named executive officer compensation once every one, two or three years.

The Company has had annual say-on-pay votes starting with the 2011 annual meeting. The Board continues to believe an advisory vote on named executive officer compensation occurring every year is most appropriate and recommends stockholders approve an annual advisory vote on named executive officer compensation. Holding an annual advisory vote on named executive officer compensation allows stockholders to provide timely input on our compensation philosophy, policies and practices and provides a direct and simple means to express investor sentiment regarding our executive compensation program.

Stockholders should understand they are not voting "for" or "against" a recommendation of the Board; rather, stockholders are asked to choose whether future advisory votes on named executive officer compensation should be held every one, two or three years. Stockholders may also abstain from voting. This vote is advisory and not binding on the Board or the Company and the final decision on the frequency of future advisory votes on named executive compensation remains with the Board. The Board values the opinions expressed by our stockholders through their votes and will carefully consider the outcome of the vote when making future decisions regarding the frequency of future advisory votes on named executive compensation.

The Board recommends a vote to hold future advisory votes on named executive officer compensation every ONE YEAR.

Table of Contents

PROPOSAL 6 - RATIFICATION OF SELECTION OF INDEPENDENT AUDITORS

The Audit Committee has selected BDO USA, LLP (“BDO”) to serve as the independent registered public accounting firm of the Company for the fiscal year ending December 31, 2017.

As the Company disclosed in the Current Report on Form 8-K filed with the SEC on June 10, 2015, the Audit Committee completed a competitive process to determine the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2015. As a result of that process, on June 10, 2015, the Committee notified Anderson Bradshaw PLLC (“Anderson Bradshaw”), the Company’s independent registered public accounting firm at the time, that the Committee had determined to dismiss Anderson Bradshaw as the Company’s independent registered public accounting firm, effective as of that same date. On and effective as of that same date, the Company appointed BDO as the Company’s independent registered public accounting firm for the fiscal year ending December 31, 2015. The appointment of BDO as the Company’s independent registered public accountant was approved by the Committee.

Anderson Bradshaw’s reports on the Company’s consolidated financial statements for the fiscal years ended December 31, 2014 and December 31, 2013 contained no adverse opinion or disclaimer of opinion and were not qualified or modified as to uncertainty, audit scope or accounting principles. During the Company’s two most recent fiscal years and the subsequent interim period preceding Anderson Bradshaw’s dismissal, there were: (i) no “disagreements” (within the meaning of Item 304(a) of Regulation S-K) with Anderson Bradshaw on any matter of accounting principles or practices, financial statement disclosure or auditing scope or procedure, which disagreements, if not resolved to the satisfaction of Anderson Bradshaw, would have caused it to make reference to the subject matter of the disagreements in its reports on the consolidated financial statements of the Company; and (ii) no “reportable events” (as such term is defined in Item 304(a)(1)(v)(A)-(D) of Regulation S-K). The Company provided Anderson Bradshaw with a copy of its Current Report on Form 8-K filed with the SEC on June 10, 2015 prior to its filing with the SEC and requested Anderson Bradshaw to furnish to the Company a letter addressed to the SEC stating that it agrees with the statements made above. A copy of Anderson Bradshaw’s letter dated June 10, 2015 is attached as Exhibit 16.1 to the Current Report on Form 8-K.

During the Company’s two most recent fiscal years and the subsequent interim period up to the date of BDO’s engagement, neither the Company nor anyone on the Company’s behalf consulted with BDO regarding: (i) the application of accounting principles to a specified transaction, either completed or proposed; (ii) the type of audit opinion that might be rendered on the Company’s financial statements; (iii) the provision of written or oral advice that would be an important factor considered by the Company in reaching a decision as to any accounting, auditing or financial reporting issues; or (iv) any matter that was the subject of a “disagreement” or a “reportable event” (within the meaning of Item 304(a)(1)(iv) of Regulation S-K and Item 304(a)(1)(v) of Regulation S-K, respectively).

We are asking our stockholders to ratify the selection of BDO as our independent registered public accounting firm. Although ratification is not required by our bylaws or otherwise, the Board is submitting the selection of BDO to our stockholders for ratification as a matter of good corporate practice. In the event our stockholders fail to ratify the appointment, the Audit Committee may reconsider this appointment.

The Company has been advised by BDO that neither the firm nor any of its associates had any relationship with the Company other than the usual relationship that exists between independent registered public accountant firms and their clients during the last fiscal year. Representatives of BDO will be available in person or via teleconference during the annual meeting, at which time they may make any statement they consider appropriate and will respond to appropriate questions raised at the annual meeting.

Table of Contents**Independent Registered Public Accounting Firm's Fees**

The following table sets forth the fees billed to us by BDO during the fiscal years ended December 31, 2016 and 2015.

	2016	2015
Audit Fees	\$ 181,228	\$ 184,652
Audit Related Fees	-	-
Tax Fees	-	-
All Other Fees	-	-
Total	\$ 181,228	\$ 184,652

Audit Fees consist of the aggregate fees billed for professional services rendered for the audit of our annual financial statements and the reviews of the financial statements included in our Forms 10-Q and for any other services that were normally provided by the independent auditors in connection with our statutory and regulatory filings or engagements, including in connection with the reclassification of our outstanding warrants.

Audit Related Fees consist of the aggregate fees billed for professional services rendered for assurance and related services that were reasonably related to the performance of the audit or review of our financial statements and were not otherwise included in Audit Fees.

Tax Fees consist of the aggregate fees billed for professional services rendered for tax compliance, tax advice and tax planning. Included in such Tax Fees were fees for preparation of our tax returns and consultancy and advice on other tax planning matters.

All Other Fees consist of the aggregate fees billed for products and services not otherwise included in Audit Fees, Audit Related Fees or Tax Fees.

Before auditors are engaged to provide us audit or non-audit services, such engagement is (without exception, required to be) approved by the Audit Committee of our Board.

Pre-Approval Policies and Procedures

Under the Sarbanes-Oxley Act of 2002, all audit and non-audit services performed by our auditors must be approved in advance by our Board to assure that such services do not impair the auditors' independence from us. In accordance with its policies and procedures, our Board pre-approved the service performed by the Company's independent registered public account firm, BDO, for our consolidated financial statements as of and for the year ended December 31, 2016.

The Board recommends a vote FOR ratification of the selection of BDO as the Company's independent registered public accounting firm for the fiscal year ending December 31, 2017.

Table of Contents

OTHER MATTERS

Stockholder Proposals for the 2017 Annual Meeting

If you wish to have a proposal included in our proxy statement for next year's annual meeting in accordance with Rule 14a-8 under the Securities Exchange Act of 1934, your proposal must be received by the Corporate Secretary of Lightbridge Corporation at 11710 Plaza America Drive, Suite 2000, Reston, VA 20190, no later than the close of business on December 8, 2017. A proposal which is received after that date or which otherwise fails to meet the requirements for stockholder proposals established by the SEC will not be included. The submission of a stockholder proposal does not guarantee that it will be included in the proxy statement.

Annual Report on Form 10-K

We will provide without charge to each person solicited by this proxy statement, on the written request of such person, a copy of our Annual Report on Form 10-K, including the financial statements and financial statement schedules, as filed with the SEC for our most recent fiscal year. Such written requests should be directed to Lightbridge Corporation, c/o Corporate Secretary, 11710 Plaza America Drive, Suite 2000, Reston, VA 20190 USA. A copy of our Annual Report on Form 10 K is also made available on our website after it is filed with the SEC.

Other Business

As of the date of this proxy statement, the Board has no knowledge of any business which will be presented for consideration at the annual meeting other than the election of directors, approval of the increase in the number of shares available under the 2015 Equity Incentive Plan, authorization for the Company to issue 20% or more of its outstanding common stock in accordance with Nasdaq Listing Rule 5635(d), the advisory vote on executive compensation, the advisory vote on future advisory votes on executive compensation, and the ratification of the appointment of the independent auditors. Should any other matters be properly presented, it is intended that the enclosed proxy card will be voted in accordance with the best judgment of the persons voting the proxies.

Dated: April , 2017

APPENDIX A

LIGHTBRIDGE CORPORATION

2015 EQUITY INCENTIVE PLAN

1. Purpose: Eligibility.

1.1 General Purpose. The name of this plan is the Lightbridge Corporation 2015 Equity Incentive Plan (the “Plan”). The purposes of the Plan are to (a) enable Lightbridge Corporation, a Nevada corporation (the “Company”), and any Affiliate to attract and retain the types of Employees, Consultants and Directors who will contribute to the Company’s long range success; (b) provide incentives that align the interests of Employees, Consultants and Directors with those of the shareholders of the Company; and (c) promote the success of the Company’s business.

1.2 Eligible Award Recipients. The persons eligible to receive Awards are the Employees, Consultants and Directors of the Company and its Affiliates and such other individuals designated by the Committee who are reasonably expected to become Employees, Consultants and Directors after the receipt of Awards.

1.3 Available Awards. Awards that may be granted under the Plan include: (a) Incentive Stock Options, (b) Non-qualified Stock Options, (c) Stock Appreciation Rights, (d) Restricted Awards, (e) Performance Share Awards, and (f) Performance Compensation Awards.

2. Definitions.

“**Affiliate**” means a corporation or other entity that, directly or through one or more intermediaries, controls, is controlled by or is under common control with, the Company.

“**Applicable Laws**” means the requirements related to or implicated by the administration of the Plan under applicable state corporate law, United States federal and state securities laws, the Code, any stock exchange or quotation system on which the shares of Common Stock are listed or quoted, and the applicable laws of any foreign country or

jurisdiction where Awards are granted under the Plan.

“Award” means any right granted under the Plan, including an Incentive Stock Option, a Non-qualified Stock Option, a Stock Appreciation Right, a Restricted Award, a Performance Share Award or a Performance Compensation Award.

“Award Agreement” means a written agreement, contract, certificate or other instrument or document evidencing the terms and conditions of an individual Award granted under the Plan which may, in the discretion of the Company, be transmitted electronically to any Participant. Each Award Agreement shall be subject to the terms and conditions of the Plan.

“Beneficial Owner” has the meaning assigned to such term in Rule 13d-3 and Rule 13d-5 under the Exchange Act, except that in calculating the beneficial ownership of any particular “person” (as that term is used in Section 13(d)(3) of the Exchange Act), such “person” shall be deemed to have beneficial ownership of all securities that such “person” has the right to acquire by conversion or exercise of other securities, whether such right is currently exercisable or is exercisable only after the passage of time. The terms “Beneficially Owns” and “Beneficially Owned” have a corresponding meaning.

“Board” means the Board of Directors of the Company, as constituted at any time.

A-1

“Cause” means:

With respect to any Employee or Consultant: (a) If the Employee or Consultant is a party to an employment or service agreement with the Company or its Affiliates and such agreement provides for a definition of Cause, the definition contained therein; or (b) If no such agreement exists, or if such agreement does not define Cause: (i) the commission of, or plea of guilty or no contest to, a felony or a crime involving moral turpitude or the commission of any other act involving willful malfeasance or material fiduciary breach with respect to the Company or an Affiliate; (ii) conduct that results in or is reasonably likely to result in harm to the reputation or business of the Company or any of its Affiliates; (iii) gross negligence or willful misconduct with respect to the Company or an Affiliate; or (iv) material violation of state or federal securities laws.

With respect to any Director, a determination by a majority of the disinterested Board members that the Director has engaged in any of the following: (a) malfeasance in office; (b) gross misconduct or neglect; (c) false or fraudulent misrepresentation inducing the director’s appointment; (d) willful conversion of corporate funds; or (e) repeated failure to participate in Board meetings on a regular basis despite having received proper notice of the meetings in advance.

The Committee, in its absolute discretion, shall determine the effect of all matters and questions relating to whether a Participant has been discharged for Cause.

“**Change in Control**” means (a) The direct or indirect sale, transfer, conveyance or other disposition (other than by way of merger or consolidation), in one or a series of related transactions, of all or substantially all of the properties or assets of the Company and its subsidiaries, taken as a whole, to any Person that is not a subsidiary of the Company; (b) The Incumbent Directors cease for any reason to constitute at least a majority of the Board; (c) The date which is 10 business days prior to the consummation of a complete liquidation or dissolution of the Company; (d) The acquisition by any Person of Beneficial Ownership of more than 50% (on a fully diluted basis) of either (i) the then outstanding shares of Common Stock of the Company, taking into account as outstanding for this purpose such Common Stock issuable upon the exercise of options or warrants, the conversion of convertible stock or debt, and the exercise of any similar right to acquire such Common Stock (the “Outstanding Company Common Stock”) or (ii) the combined voting power of the then outstanding voting securities of the Company entitled to vote generally in the election of directors (the “Outstanding Company Voting Securities”); provided, however, that for purposes of this Plan, the following acquisitions shall not constitute a Change in Control: (A) any acquisition by the Company or any Affiliate, (B) any acquisition by any employee benefit plan sponsored or maintained by the Company or any subsidiary, (C) any acquisition which complies with clauses, (i), (ii) and (iii) of subsection (e) of this definition or (D) in respect of an Award held by a particular Participant, any acquisition by the Participant or any group of persons including the Participant (or any entity controlled by the Participant or any group of persons including the Participant); or (e) The consummation of a reorganization, merger, consolidation, statutory share exchange or similar form of corporate transaction involving the Company that requires the approval of the Company’s shareholders, whether for such transaction or the issuance of securities in the transaction (a “Business Combination”), unless immediately following such Business Combination: (i) more than 50% of the total voting power of (A) the entity resulting from

such Business Combination (the “Surviving Company”), or (B) if applicable, the ultimate parent entity that directly or indirectly has beneficial ownership of sufficient voting securities eligible to elect a majority of the members of the board of directors (or the analogous governing body) of the Surviving Company (the “Parent Company”), is represented by the Outstanding Company Voting Securities that were outstanding immediately prior to such Business Combination (or, if applicable, is represented by shares into which the Outstanding Company Voting Securities were converted pursuant to such Business Combination), and such voting power among the holders thereof is in substantially the same proportion as the voting power of the Outstanding Company Voting Securities among the holders thereof immediately prior to the Business Combination; (ii) no Person (other than any employee benefit plan sponsored or maintained by the Surviving Company or the Parent Company) is or becomes the Beneficial Owner, directly or indirectly, of 50% or more of the total voting power of the outstanding voting securities eligible to elect members of the board of directors of the Parent Company (or the analogous governing body) (or, if there is no Parent Company, the Surviving Company); and (iii) at least a majority of the members of the board of directors (or the analogous governing body) of the Parent Company (or, if there is no Parent Company, the Surviving Company) following the consummation of the Business Combination were Board members at the time of the Board’s approval of the execution of the initial agreement providing for such Business Combination.

“**Code**” means the Internal Revenue Code of 1986, as it may be amended from time to time. Any reference to a section of the Code shall be deemed to include a reference to any regulations promulgated thereunder.

“**Committee**” means a committee of one or more members of the Board appointed by the Board to administer the Plan in accordance with *Section 3.3* and *Section 3.4*.

“**Common Stock**” means the common stock, \$0.001 par value per share, of the Company, or such other securities of the Company as may be designated by the Committee from time to time in substitution thereof.

“**Company**” means Lightbridge Corporation, a Nevada corporation, and any successor thereto.

“**Consultant**” means any individual who is engaged by the Company or any Affiliate to render consulting or advisory services.

“**Continuous Service**” means that the Participant’s service with the Company or an Affiliate, whether as an Employee, Consultant or Director, is not interrupted or terminated. The Participant’s Continuous Service shall not be deemed to have terminated merely because of a change in the capacity in which the Participant renders service to the Company or an Affiliate as an Employee, Consultant or Director or a change in the entity for which the Participant renders such service, *provided that* there is no interruption or termination of the Participant’s Continuous Service; *provided further that* if any Award is subject to Section 409A of the Code, this sentence shall only be given effect to the extent consistent with Section 409A of the Code. For example, a change in status from an Employee of the Company to a Director of an Affiliate will not constitute an interruption of Continuous Service. The Committee or its delegate, in its sole discretion, may determine whether Continuous Service shall be considered interrupted in the case of any leave of absence approved by that party, including sick leave, military leave or any other personal or family leave of absence.

“**Covered Employee**” has the same meaning as set forth in Section 162(m)(3) of the Code, as interpreted by IRS Notice 2007-49.

“**Deferred Stock Units (DSUs)**” has the meaning set forth in *Section 7.2* hereof.

“**Director**” means a member of the Board.

“**Disability**” means that the Participant is unable to engage in any substantial gainful activity by reason of any medically determinable physical or mental impairment; *provided, however*, for purposes of determining the term of an Incentive Stock Option pursuant to **Section 6.10** hereof, the term Disability shall have the meaning ascribed to it under Section 22(e)(3) of the Code. The determination of whether an individual has a Disability shall be determined under procedures established by the Committee. Except in situations where the Committee is determining Disability for purposes of the term of an Incentive Stock Option pursuant to **Section 6.10** hereof within the meaning of Section 22(e)(3) of the Code, the Committee may rely on any determination that a Participant is disabled for purposes of benefits under any long-term disability plan maintained by the Company or any Affiliate in which a Participant participates.

A-3

“**Disqualifying Disposition**” has the meaning set forth in *Section 14.12*.

“**Effective Date**” shall mean the date as of which this Plan is adopted by the Board.

“**Employee**” means any person, including an Officer or Director, employed by the Company or an Affiliate; *provided, that*, for purposes of determining eligibility to receive Incentive Stock Options, an Employee shall mean an employee of the Company or a parent or subsidiary corporation within the meaning of Section 424 of the Code. Mere service as a Director or payment of a director’s fee by the Company or an Affiliate shall not be sufficient to constitute “employment” by the Company or an Affiliate.

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

“**Fair Market Value**” means, as of any date, the value of the Common Stock as determined below. If the Common Stock is listed on any established stock exchange or a national market system, including without limitation, the New York Stock Exchange or the NASDAQ Stock Market, the Fair Market Value shall be the closing price of a share of Common Stock (or if no sales were reported the closing price on the date immediately preceding such date) as quoted on such exchange or system on the day of determination, as reported in the *Wall Street Journal* or similar publication. In the absence of an established market for the Common Stock, the Fair Market Value shall be determined in good faith by the Committee and such determination shall be conclusive and binding on all persons.

“**Free Standing Rights**” has the meaning set forth in *Section 7.1(a)*.

“**Grant Date**” means the date on which the Committee adopts a resolution, or takes other appropriate action, expressly granting an Award to a Participant that specifies the key terms and conditions of the Award or, if a later date is set forth in such resolution, then such date as is set forth in such resolution.

“**Incentive Stock Option**” means an Option intended to qualify as an incentive stock option within the meaning of Section 422 of the Code.

“**Incumbent Directors**” means individuals who, on the Effective Date, constitute the Board, *provided that* any individual becoming a Director subsequent to the Effective Date whose election or nomination for election to the

Board was approved by a vote of at least two-thirds of the Incumbent Directors then on the Board (either by a specific vote or by approval of the proxy statement of the Company in which such person is named as a nominee for Director without objection to such nomination) shall be an Incumbent Director. No individual initially elected or nominated as a director of the Company as a result of an actual or threatened election contest with respect to Directors or as a result of any other actual or threatened solicitation of proxies by or on behalf of any person other than the Board shall be an Incumbent Director.

A-4

“**Negative Discretion**” means the discretion authorized by the Plan to be applied by the Committee to eliminate or reduce the size of a Performance Compensation Award in accordance with Section 7.4(d)(iv) of the Plan; *provided, that*, the exercise of such discretion would not cause the Performance Compensation Award to fail to qualify as “performance-based compensation” under Section 162(m) of the Code.

“**Non-Employee Director**” means a Director who is a “non-employee director” within the meaning of Rule 16b-3.

“**Non-qualified Stock Option**” means an Option that by its terms does not qualify or is not intended to qualify as an Incentive Stock Option.

“**Officer**” means a person who is an officer of the Company within the meaning of Section 16 of the Exchange Act and the rules and regulations promulgated thereunder.

“**Option**” means an Incentive Stock Option or a Non-qualified Stock Option granted pursuant to the Plan.

“**Option holder**” means a person to whom an Option is granted pursuant to the Plan or, if applicable, such other person who holds an outstanding Option.

“**Option Exercise Price**” means the price at which a share of Common Stock may be purchased upon the exercise of an Option.

“**Outside Director**” means a Director who is an “outside director” within the meaning of Section 162(m) of the Code and Treasury Regulations Section 1.162-27(e)(3) or any successor to such statute and regulation.

“**Participant**” means an eligible person to whom an Award is granted pursuant to the Plan or, if applicable, such other person who holds an outstanding Award.

“**Performance Compensation Award**” means any Award designated by the Committee as a Performance Compensation Award pursuant to Section 7.4 of the Plan.

“Performance Criteria” means the criterion or criteria that the Committee shall select for purposes of establishing the Performance Goal(s) for a Performance Period with respect to any Performance Compensation Award under the Plan. The Performance Criteria that will be used to establish the Performance Goal(s) shall be based on the attainment of specific levels of performance of the Company (or Affiliate, division, business unit or operational unit of the Company) and may include the following: (a) net earnings or net income (before or after taxes); (b) basic or diluted earnings per share (before or after taxes); (c) net revenue or net revenue growth; (d) gross revenue; (e) gross profit or gross profit growth; (f) net operating profit (before or after taxes); (g) return on assets, capital, invested capital, equity, or sales; (h) cash flow (including, but not limited to, operating cash flow, free cash flow, and cash flow return on capital); (i) earnings before or after taxes, interest, depreciation and/or amortization; (j) gross or operating margins; (k) improvements in capital structure; (l) budget and expense management; (m) productivity ratios; (n) economic value added or other value added measurements; (o) share price (including, but not limited to, growth measures and total shareholder return); (p) expense targets; (q) margins; (r) operating efficiency; (s) working capital targets; (t) enterprise value; (u) safety record; (v) completion of acquisitions or business expansion; (w) achieving research and development goals and milestones; (x) achieving product commercialization goals; and (y) other criteria as may be set by the Committee from time to time.

A-5

Any one or more of the Performance Criteria may be used on an absolute or relative basis to measure the performance of the Company and/or an Affiliate as a whole or any division, business unit or operational unit of the Company and/or an Affiliate or any combination thereof, as the Committee may deem appropriate, or as compared to the performance of a group of comparable companies, or published or special index that the Committee, in its sole discretion, deems appropriate, or the Committee may select Performance Criterion (o) above as compared to various stock market indices. The Committee also has the authority to provide for accelerated vesting of any Award based on the achievement of Performance Goals pursuant to the Performance Criteria specified in this paragraph. To the extent required under Section 162(m) of the Code, the Committee shall, within the first 90 days of a Performance Period (or, if longer or shorter, within the maximum period allowed under Section 162(m) of the Code), define in an objective fashion the manner of calculating the Performance Criteria it selects to use for such Performance Period. In the event that applicable tax and/or securities laws change to permit the Committee discretion to alter the governing Performance Criteria without obtaining shareholder approval of such changes, the Committee shall have sole discretion to make such changes without obtaining shareholder approval.

“Performance Formula” means, for a Performance Period, the one or more objective formulas applied against the relevant Performance Goal to determine, with regard to the Performance Compensation Award of a particular Participant, whether all, some portion but less than all, or none of the Performance Compensation Award has been earned for the Performance Period.

“Performance Goals” means, for a Performance Period, the one or more goals established by the Committee for the Performance Period based upon the Performance Criteria. The Committee is authorized at any time during the first 90 days of a Performance Period (or, if longer or shorter, within the maximum period allowed under Section 162(m) of the Code), or at any time thereafter (but only to the extent the exercise of such authority after such period would not cause the Performance Compensation Awards granted to any Participant for the Performance Period to fail to qualify as “performance-based compensation” under Section 162(m) of the Code), in its sole and absolute discretion, to adjust or modify the calculation of a Performance Goal for such Performance Period to the extent permitted under Section 162(m) of the Code in order to prevent the dilution or enlargement of the rights of Participants based on the following events: (a) asset write-downs; (b) litigation or claim judgments or settlements; (c) the effect of changes in tax laws, accounting principles, or other laws or regulatory rules affecting reported results; (d) any reorganization and restructuring programs; (e) extraordinary nonrecurring items as described in Accounting Principles Board Opinion No. 30 (or any successor or pronouncement thereto) and/or in management’s discussion and analysis of financial condition and results of operations appearing in the Company’s annual report to shareholders for the applicable year; (f) acquisitions or divestitures; (g) any other specific unusual or nonrecurring events, or objectively determinable category thereof; (h) foreign exchange gains and losses; and (i) a change in the Company’s fiscal year.

“Performance Period” means the one or more periods of time not less than one fiscal quarter in duration, as the Committee may select, over which the attainment of one or more Performance Goals will be measured for the purpose of determining a Participant’s right to and the payment of a Performance Compensation Award.

“Performance Share Award” means any Award granted pursuant to **Section 7.3** hereof.

“Performance Share” means the grant of a right to receive a number of actual shares of Common Stock or share units based upon the performance of the Company during a Performance Period, as determined by the Committee.

“Permitted Transferee” means: (a) a member of the Optionholder’s immediate family (child, stepchild, grandchild, parent, stepparent, grandparent, spouse, former spouse, sibling, niece, nephew, mother-in-law, father-in-law, son-in-law, daughter-in-law, brother-in-law, or sister-in-law, including adoptive relationships), any person sharing the Optionholder’s household (other than a tenant or employee), a trust in which these persons have more than 50% of the beneficial interest, a foundation in which these persons (or the Optionholder) control the management of assets, and any other entity in which these persons (or the Optionholder) own more than 50% of the voting interests; (b) third parties designated by the Committee in connection with a program established and approved by the Committee pursuant to which Participants may receive a cash payment or other consideration in consideration for the transfer of a Non-qualified Stock Option; and (c) such other transferees as may be permitted by the Committee in its sole discretion.

“**Plan**” means this Lightbridge Corporation 2015 Equity Incentive Plan, as amended and/or amended and restated from time to time.

“**Related Rights**” has the meaning set forth in *Section 7.1(a)*.

“**Restricted Award**” means any Award granted pursuant to *Section 7.2(a)*.

“**Restricted Period**” has the meaning set forth in *Section 7.2(a)*.

“**Restricted Stock**” has the meaning set forth in *Section 7.2(a)*.

“**Restricted Stock Units**” has the meaning set forth in *Section 7.2(a)*.

“**Rule 16b-3**” means Rule 16b-3 promulgated under the Exchange Act or any successor to Rule 16b-3, as in effect from time to time.

“**Securities Act**” means the Securities Act of 1933, as amended.

“**Stock Appreciation Right**” means the right pursuant to an Award granted under *Section 7.1* to receive, upon exercise, an amount payable in cash or shares equal to the number of shares subject to the Stock Appreciation Right that is being exercised multiplied by the excess of (a) the Fair Market Value of a share of Common Stock on the date the Award is exercised, over (b) the exercise price specified in the Stock Appreciation Right Award Agreement.

“**Stock for Stock Exchange**” has the meaning set forth in *Section 6.4*.

“**Ten Percent Shareholder**” means a person who owns (or is deemed to own pursuant to Section 424(d) of the Code) stock possessing more than 10% of the total combined voting power of all classes of stock of the Company or of any

of its Affiliates.

3. Administration.

3.1 Authority of Committee. The Plan shall be administered by the Committee or, in the Board's sole discretion, by the Board. Subject to the terms of the Plan, the Committee's charter and Applicable Laws, and in addition to other express powers and authorization conferred by the Plan, the Committee shall have the authority:

(a) to construe and interpret the Plan and apply its provisions;

(b) to promulgate, amend, and rescind rules and regulations relating to the administration of the Plan;

A-7

(c) to authorize any person to execute, on behalf of the Company, any instrument required to carry out the purposes of the Plan;

(d) to delegate its authority to one or more Officers of the Company with respect to Awards that do not involve Covered Employees or “insiders” within the meaning of Section 16 of the Exchange Act;

(e) to determine when Awards are to be granted under the Plan and the applicable Grant Date;

(f) from time to time to select, subject to the limitations set forth in this Plan, those Participants to whom Awards shall be granted;