

ECOLAB INC.
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March 15, 2019
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.)

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

Preliminary Proxy Statement

Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))

Definitive Proxy Statement

Definitive Additional Materials

Soliciting Material under §240.14a-12

ECOLAB INC.

(Name of Registrant as Specified In Its Charter)

(Name of Person(s) Filing Proxy Statement, if other than the Registrant)

Payment of Filing Fee (Check the appropriate box):

No fee required.

Fee computed on table below per Exchange Act Rules 14a-6(i)(1) and 0-11.

(1) Title of each class of securities to which transaction applies:

(2) Aggregate number of securities to which transaction applies:

(3) Per unit price or other underlying value of transaction computed pursuant to Exchange Act Rule 0-11 (set forth the amount on which the filing fee is calculated and state how it was determined):

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(1) Amount Previously Paid:

(2) Form, Schedule or Registration Statement No.:

(3) Filing Party:

(4) Date Filed:

Notice of 2019 Annual Meeting and
Proxy Statement

Annual Meeting to be Held on May 2, 2019

March 18, 2019

DEAR FELLOW STOCKHOLDER:

You are cordially invited to join us for our Annual Meeting of Stockholders, to be held at 9:30 a.m. on Thursday, May 2, 2019, at the Ecolab Global Headquarters, 1 Ecolab Place, Saint Paul, Minnesota 55102. The Notice of Annual Meeting and the Proxy Statement that follow describe the business to be conducted at our Annual Meeting. We urge you to read both carefully.

We hope you plan to attend our Annual Meeting. However, if you will not be able to join us, we encourage you to exercise your right as a stockholder and vote. Please sign, date and promptly return the accompanying proxy card, or make use of either our telephone or Internet voting services. Stockholders not in attendance may listen to a broadcast of the meeting on the Internet. Webcast instructions will be available on-line at www.investor.ecolab.com.

Sincerely,

Douglas
M. Baker,
Jr.
Chairman
of the
Board
and Chief
Executive
Officer

YOUR VOTE IS IMPORTANT!

PLEASE SUBMIT YOUR PROXY TODAY.

Your vote is a valuable part of the investment made in our Company and is the best way to influence corporate governance and decision-making. Please take time to read the enclosed materials and vote!

Whether or not you plan to attend the meeting, please complete the accompanying proxy and return it in the enclosed envelope. Alternatively, you may vote by telephone or the Internet. If you attend the meeting, you may vote your shares in person even though you have previously returned your proxy by mail, telephone or the Internet.

PLEASE REFER TO THE ACCOMPANYING MATERIALS FOR VOTING INSTRUCTIONS.

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS

To the Stockholders of Ecolab Inc.:

The Annual Meeting of Stockholders of Ecolab Inc. will be held on Thursday, May 2, 2019, at 9:30 a.m., at the Ecolab Global Headquarters, 1 Ecolab Place, Saint Paul, Minnesota 55102, for the following purposes (which are more fully explained in the Proxy Statement):

1. To elect as directors to a one-year term ending in 2020 the 13 nominees named in the Proxy Statement;
2. To ratify the appointment of PricewaterhouseCoopers LLP as our independent registered public accounting firm for the current year ending December 31, 2019;
3. To approve, on an advisory basis, the compensation of executives disclosed in the Proxy Statement;
4. To consider and vote on a stockholder proposal requesting an independent board chair, if properly presented; and
5. To transact such other business as may properly come before our Annual Meeting and any adjournment or postponement thereof.

Our Board of Directors has fixed the close of business on March 5, 2019 as the record date for the determination of stockholders entitled to notice of, and to vote at, the meeting.

By Order of
the Board of
Directors

Michael C.
McCormick
Executive
Vice
President,
General
Counsel
and
Secretary
March 18,
2019

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PROXY STATEMENT

SUMMARY

This proxy summary is intended to provide a broad overview of the items that you will find elsewhere in this Proxy Statement. This summary does not contain all of the information that you should consider, and we encourage you to read the entire Proxy Statement carefully before voting. We are first mailing this Proxy Statement and accompanying form of proxy to our stockholders on or about March 18, 2019.

References made below to “Ecolab,” “the Company,” “we,” “our,” or “us” are to Ecolab Inc.

Annual Meeting of Stockholders

Date and Time: Thursday, May 2, 2019, at 9:30 a.m.

Location: Ecolab Global Headquarters, 1 Ecolab Place, Saint Paul, Minnesota 55102

Record Date: March 5, 2019

Meeting Agenda and Items of Business

Proposal	Board’s Voting Recommendation	Page Reference
1. Elect as directors to a one-year term ending in 2020 the 13 nominees named in this Proxy Statement	FOR	3
2. Ratify the appointment of PricewaterhouseCoopers LLP as our independent registered public accounting firm for the current year ending December 31, 2019	FOR	23
3. Approve, on an advisory basis, the compensation of executives disclosed in the Proxy Statement	FOR	26

4. Consider and vote on a stockholder proposal requesting an independent board chair, if properly presented AGAINST 60

Election of Directors

Name of Director Nominee Non-Independent Directors	Age	Years of Service	Occupation
Douglas M. Baker, Jr. Independent Directors	60	15	Chairman of the Board and Chief Executive Officer, Ecolab Inc.
Shari L. Ballard	52	(1)	Advisor, Best Buy Co., Inc. Chief Executive Officer, Learning Care Group, Inc.
Barbara J. Beck	58	11	Chief Executive Officer, Harborview Capital
Leslie S. Biller	71	21	Retired Chairman and Chief Executive Officer, Hormel Foods Corporation
Jeffrey M. Ettinger	60	4	President and Chief Executive Officer, Assertio Therapeutics, Inc.
Arthur J. Higgins	63	9	Chief investment officer to William H. Gates III
Michael Larson	59	7	Chairman and Chief Executive
David W. MacLennan	59	4	

			Officer, Cargill, Incorporated Founder and Chief Executive Officer, MAC Energy Advisors LLC Former Senior Vice President and Treasurer, PepsiCo, Inc. Former Senior Vice President and Chief Financial Officer, Essendant Inc. President, Kilovolt Consulting Inc. Retired President and Chief Executive Officer, Univar Inc.
Tracy B. McKibben	49	4	
Lionel L. Nowell, III	64	(1)	
Victoria J. Reich	61	9	
Suzanne M. Vautrinot	59	5	
John J. Zillmer	63	13	

(1) Ms. Ballard and Mr. Nowell started serving on the Board effective December 4, 2018.

The Board of Directors of Ecolab Inc. is asking you to elect 13 director nominees. The table above provides summary information about the director nominees. A nominee will only be elected if the number of votes cast for the nominee's election is greater than the number of votes cast against the nominee. For more information, see page 3.

Ratification of Independent Accountants

The Board of Directors is asking you to ratify the appointment of PricewaterhouseCoopers LLP as our independent registered public accounting firm to audit our consolidated financial statements for the year ending December 31, 2019. For more information, see page 23.

Advisory Vote to Approve Executive Compensation

The Board of Directors is asking you to approve, on an advisory basis, the compensation of our named executive officers as disclosed in this Proxy Statement. For more information, see page 26.

Stockholder Proposal Requesting an Independent Board Chair

The Board of Directors recommends that you vote AGAINST a stockholder proposal requesting an independent board chair, if properly presented. For more information, see page 60.

Summary of Compensation Practices

How did we perform?	New product introductions, new business wins and improved operating efficiency drove higher adjusted sales and earnings growth Increased pricing to offset higher delivered product costs Raised goal for its efficiency initiative to simplify and automate processes and tasks, reduce complexity and management layers, consolidate facilities and focus on key long- term growth areas by leveraging technology and structural improvements
What did we change for 2018?	More than 92% of shareholders voted in favor of our Say-on-Pay, so the Compensation Committee took this favorable support into account in deciding to retain the overall structure of the current program In connection with tax law changes, the Compensation Committee granted 2018 annual cash incentives under an incentive plan not designed to satisfy historical 162(m) performance exception requirements
How do we determine pay?	Our executive compensation program is designed to be market-competitive in order to attract, motivate and retain our executives in a manner that is in the best interests of our stockholders Our executive compensation program is further designed to reinforce and complement ethical and sustainable management practices, promote sound risk management and align management interests (such as sustainable long-term growth) with those of our stockholders Our philosophy is to position base salary, annual cash incentives, and long-term equity incentives in the median range of our competitive market, adjusted for the Company's size
How did we pay our NEOs?	Fiscal year 2018 base salaries and annual incentives for the NEOs relative to the 20-company Comparison Group aligned with relative Company performance Base salaries for fiscal year 2018 were increased between 2.8% and 6.5% and reflect each NEO's competitive market, scope of responsibility, individual performance, and time in position 2018 annual cash incentive payout for the CEO was 119% of target, and ranged from 111% to 134% of target for the other NEOs based on achievement of Company and business unit performance 2016 to 2018 performance-based restricted stock units ("PBRsUs") paid out at 100% of target (maximum payout) based on achievement of Company performance

Long-term equity incentives granted at target levels using a portfolio of stock options and PBRsUs
PBRsUs vest based on average annual adjusted ROIC goals over a three-year performance period
No excessive perquisites for any of our NEOs

For more information on our compensation practices, see page 30.

Corporate Governance Highlights

	Provide an appropriate balance of short- and long-term compensation, with payouts based on the Company's achievement of certain financial metrics and specific business area objectives
How do we address risk and governance?	Follow practices that promote good governance and serve the interests of our stockholders, with maximum payout caps for annual cash incentives and long-term performance awards, and policies on clawbacks, anti-pledging, anti-hedging, insider trading, and stock ownership
	Solicit "say-on-pay" shareholder vote annually at shareholder meeting

For more information on our corporate governance, see page 8.

PROPOSAL 1: ELECTION OF DIRECTORS

PROPOSAL 1: ELECTION OF DIRECTORS

Our Board of Directors currently consists of 14 members. Mr. Chazen will be retiring from the Board as of the 2019 Annual Meeting. Accordingly, the Board has taken action to reduce the size of the Board to 13 members effective immediately prior to the time of the 2019 Annual Meeting. The 13 nominees, if elected, will serve a one-year term ending as of the 2020 Annual Meeting expected to be held on May 7, 2020.

Pursuant to the recommendation of the Governance Committee, Ms. Ballard, Beck, McKibben, Reich and Vautrinot and Messrs. Baker, Biller, Ettinger, Higgins, Larson, MacLennan, Nowell and Zillmer were nominated for election as Directors. The Board of Directors has no reason to believe that any of the named nominees is not available or will not serve if elected.

Board of Directors' Recommendation – The Board of Directors recommends a vote FOR the election of the 13 nominees named in this Proxy Statement. Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted FOR each of the nominees named in this Proxy Statement.

The following information with regard to business experience, qualifications and directorships has been furnished by the respective director nominees or obtained from our records.

Nominees for Election to the Board of Directors (Term Ending in May 2020)

DOUGLAS M. BAKER, JR.

Years of Service: 15 Age: 60	Chairman of the Board in May 2006. Mr. Baker relinquished the office of President in December 2011 upon completion of the Nalco merger. Prior to joining Ecolab in 1989, Mr. Baker was employed by The Procter & Gamble Company in various marketing and management positions.
Board Committees:	Qualifications
Safety, Health and Environment Biography	Mr. Baker has more than 25 years of Ecolab marketing, sales and general management experience, including leadership roles in Ecolab's Institutional, Europe and Kay businesses before becoming Ecolab's Chief Operating Officer in 2002 and Chief Executive Officer in 2004. He has deep and direct knowledge of Ecolab's businesses and operations. In addition, his experience at The Procter & Gamble Company included various marketing and management positions, including in the institutional market in which Ecolab operates. As a director of other public companies, Mr. Baker also has extensive corporate governance experience.
Chairman of the Board and Chief Executive Officer of Ecolab.	Other directorships held during the past five years
Director of Ecolab since 2004. Member of the Safety, Health and Environment Committee.	Lead Director of Target Corporation. Formerly a director of U.S. Bancorp.
Since joining Ecolab in 1989, Mr. Baker has	

held various leadership positions within our Institutional, Europe and Kay operations. Mr. Baker was named Ecolab's President and Chief Operating Officer in August 2002, was promoted to President and Chief Executive Officer in July 2004, and added the position of

SHARI L. BALLARD

Years of Service: 4 months Age: 52	at Best Buy, Ms. Ballard also held roles as President, U.S. Retail from 2014 to 2017; Chief Human Resources Officer from 2013 to 2016; President – International from 2012 to 2014, with responsibility for business in Canada, China, Europe and Mexico; and President – Americas from 2010 to 2012, with responsibility for business in the U.S. and Mexico.
Board Committees:	Qualifications
Audit	Ms. Ballard is a seasoned executive with deep retail experience. She brings significant business group management and e-commerce experience, as well as extensive talent management experience for large scale, geographically distributed organizations. In addition to her corporate functional experience in human resources, call centers and real estate, she has held several international roles, which included responsibility for transformation efforts in Canada, China, Europe and Mexico. Her roles at Best Buy have also given her extensive background and practical skills in change management during a remarkable turnaround period at Best Buy.
Safety, Health and Environment	
Biography	
Advisor to Best Buy Co., Inc., a consumer electronics products and services retailer.	Other directorships held during the past five years
Director of Ecolab since 2018. Member of the Audit and Safety, Health and Environment Committees.	Formerly a director of Delhaize Group, a Belgium-based food retailer, from 2012 until its 2015 merger with Ahold to form Ahold Delhaize.

Ms. Ballard currently is an Advisor at Best Buy Co., Inc. after recently transitioning from her position as Senior Executive Vice President and President, Multi-Channel Retail that she held from March 2017 to July 2018, with responsibility for all U.S. Best Buy stores, e-commerce, customer call centers, Best Buy Mexico and real estate strategy. During her 25-year career

PROPOSAL 1: ELECTION OF DIRECTORS

BARBARA J. BECK

Years of Service: 11	France), the Middle East and Africa. She previously served as Executive Vice President of Manpower's U.S. and Canada business unit from 2002 to 2005. Prior to joining Manpower, Ms. Beck was an executive of Sprint, a global communications company, serving in various operating and leadership roles for 15 years.
Age: 58	
Board Committees:	Qualifications
Safety, Health and Environment	Ms. Beck has extensive North American and European general management and operational experience, including as a current CEO, allowing her to contribute to Ecolab's strategic vision particularly as it relates to Europe, the Middle East and Africa. With her Manpower knowledge of the impact of labor market trends on global and local economies combined with her knowledge of employment services, which tends to be a leading economic indicator, she provides timely insight into near-term projections of general economic activity. As an executive at Sprint, Ms. Beck obtained experience in the information technology field which is relevant to Ecolab's development of its ERP systems as well as field automation tools.
Governance Biography	
Chief Executive Officer, Learning Care Group, Inc., a leading for-profit early education/child care provider in North America. Director of Ecolab since 2008. Chair of the Safety, Health and Environment Committee and member of the Governance Committee.	Other directorships held during the past five years
	None.
Prior to joining Learning Care Group in 2011 as Chief Executive Officer, Ms. Beck spent nine years as an executive of Manpower Inc., a world leader in the employment services industry. From 2006 to	

2011, Ms. Beck
was President of
Manpower's
EMEA
operations,
overseeing
Europe
(excluding

LESLIE S. BILLER

Years of Service: 21 Age: 71	Corporation from February 1997 until its merger with Wells Fargo & Company in November 1998. Mr. Biller retired as Vice Chairman and Chief Operating Officer of Wells Fargo & Company in October 2002. He became Chairman of Sterling Financial Corporation in 2010 and served in that capacity until its merger with Umpqua Corporation in April 2014.
Board Committees:	Qualifications
Finance	Throughout his career in banking, including as Vice Chair and Chief Operating Officer of Wells Fargo, Mr. Biller gained extensive public company senior management and board experience.
Compensation Biography	Having spent a significant part of his career in international assignments in Europe, he is familiar with operating businesses in that region, which allows him to provide advice and guidance relevant to our significant European operations. He has extensive knowledge and experience in banking, treasury and finance, which enables him to provide insight and advice on financing, treasury and enterprise risk management areas. As a chemical engineer, he is familiar with chemicals manufacturing and distribution, which allows him to relate well to our operations.
Chief Executive Officer of Harborview Capital, a private investment and consultive company. Director of Ecolab since 1997. Chair of the Finance Committee and member of the Compensation Committee.	Other directorships held during the past five years Formerly a director of Sterling Financial Corporation.
After holding various positions with Citicorp and Bank of America, Mr. Biller joined Norwest Corporation in 1987 as Executive Vice President in charge of	

strategic planning
and acquisitions
for Norwest
Banking. He was
appointed
Executive Vice
President in
charge of South
Central
Community
Banking in 1990.
Mr. Biller served
as President and
Chief Operating
Officer of
Norwest

JEFFREY M. ETTINGER

Years of Service: 4 Age: 60	from 2004 to 2015. Prior to being named President of Hormel Foods, Mr. served as President of Jennie-O Turkey Store, the largest subsidiary of Hormel Foods, and in various other positions including Treasurer, Product Manager for Hormel® chili products, and corporate and senior attorney.
Lead Director	Qualifications
Board Committees:	With more than 25 years of experience with Hormel Foods, a public food products company with global operations, Mr. Ettinger brings directly relevant operational experience in one of Ecolab's major end-markets. From his experience as Chairman and Chief Executive Officer of a Fortune 500 public company with global operations, Mr. Ettinger possesses executive leadership attributes and provides relevant insight and guidance with respect to numerous issues important to Ecolab, including public company governance, mergers and acquisitions and regulatory matters.
Governance Compensation Biography	
Retired Chairman of the Board and Chief Executive Officer of Hormel Foods Corporation, a processor and marketer of meat and food products. Director of Ecolab since 2015. Lead Director, Chair of the Governance Committee and member of the	Other directorships held during the past five years Director of The Toro Company. Formerly a director of Hormel Foods Corporation.

Compensation
Committee.

During his
28-year career at
Hormel, Mr.
Ettinger held the
offices of
Chairman from
2006 to 2017,
Chief Executive
Officer from
2006 to 2016 and
President

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PROPOSAL 1: ELECTION OF DIRECTORS

ARTHUR J. HIGGINS

Years of Service: 9 Age: 63	including serving as President of the Pharmaceutical Products Division from 1998 to 2001. He is a past member of the Board of Directors of the Pharmaceutical Research and Manufacturers of America (PhRMA), of the Council of the International Federation of Pharmaceutical Manufacturers and Associations (IFPMA) and President of the European Federation of Pharmaceutical Industries and Associations (EFPIA).
Board Committees:	Qualifications
Safety, Health and Environment	Mr. Higgins has extensive leadership experience in the global healthcare market. Through leadership positions with large healthcare developers and manufacturers in both the United States and Europe, Mr. Higgins has gained deep knowledge of the healthcare market and the strategies for developing and marketing products in this highly regulated area. This knowledge and industry background allows him to provide valuable insight to Ecolab's growing Healthcare business, which is developing in both the U.S. and Europe. In addition, his global perspective from years of operating global businesses and his background in working with high growth companies fits well with Ecolab's ambitions for global growth and provide him experiences from which to draw to advise Ecolab on strategies for sustainable growth. In his role as Chief Executive Officer of Bayer HealthCare, he gained significant exposure to enterprise risk management as well as quality and operating risk management necessary in a highly regulated industry such as healthcare.
Compensation Biography	Other directorships held during the past five years
President and Chief Executive Officer and member of the Board of Directors of Assertio Therapeutics, Inc. (formerly Depomed Inc.), a specialty pharmaceutical company. Director of Ecolab since 2010. Vice Chair of the Safety, Health and Environment Committee and member of the Compensation Committee.	Director of Assertio Therapeutics, Inc. and Zimmer Biomet Holdings, Inc. Formerly a director of Endo International plc and Resverlogix Corp.
Prior to joining Assertio Therapeutics in March 2017, Mr. Higgins served as Senior Advisor to Blackstone Healthcare Partners, the	

dedicated
healthcare team of
The Blackstone
Group from May
2010 to March
2017. He
previously served
at Bayer
HealthCare AG as
Chairman of the
Board of
Management from
January 2006 to
May 2010 and
Chairman of the
Executive
Committee from
July 2004 to May
2010. Prior to that
time, Mr. Higgins
held the offices of
Chairman,
President and
Chief Executive
Officer of Enzon
Pharmaceuticals,
Inc. from 2001
until 2004. Prior
to joining Enzon
Pharmaceuticals,
Mr. Higgins spent
14 years with
Abbott
Laboratories,
holding several
executive
leadership
positions,

MICHAEL LARSON

Years of
Service: 7
Age: 59

Mr. Gates' non-Microsoft investments as well as the investment assets of the Bill & Melinda Gates Foundation Trust. Previously, Mr. Larson was at Harris Investment Management, Putnam Management Company and ARCO.

Board
Committees:

Qualifications

Finance

With more than 30 years of portfolio management experience, Mr. Larson has deep investment expertise and broad understanding of the capital markets, business cycles and capital efficiency and allocation practices. He also has served on several other public company boards providing

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Safety, Health and Environment	him relevant corporate governance experience. In addition, as a professional investor and as the investment officer of Ecolab's largest shareholder, Mr. Larson brings a long-term shareholder perspective to the Board.
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Other directorships held during the past five years

Biography

Chief investment officer to William H. Gates III. Director of Ecolab since 2012. Vice Chair of the Finance Committee and member of the Safety, Health and Environment Committee.	Director of Republic Services, Inc. and Fomento Economico Mexicano, S.A.B. de C.V. In addition, he is Chairman of the Board of Trustees of two funds in the Western Asset Management fund complex. Formerly a director of AutoNation, Inc. and Grupo Televisa, S.A.B.
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Mr. Larson has been chief investment officer for Mr. Gates and the Business Manager of Cascade Investment, L.L.C. since 1994. He is responsible for

DAVID W. MACLENNAN

Years of Service: 4 Age: 59 Board Committees:	Mr. MacLennan has served as Chairman of the Board of Cargill since 2015 and as Chief Executive Officer since 2013. He held the offices of Chief Operating and President from 2011 until his appointment as Chief Executive Officer in 2013. Prior to these roles, Mr. MacLennan held several other positions with Cargill, including Chief Financial Officer, President of Cargill Energy and Managing Director of the Value Investment Group. He has also held various management positions with US Bancorp Piper Jaffray and Goldberg Securities.
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Audit	Qualifications
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Governance	With more than 25 years of leadership experience at Cargill, Mr. MacLennan has developed significant leadership and strategic planning skills, as well as extensive knowledge and insight in corporate governance, risk management, financial management and global business practices.
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Biography

Other directorships held during the past five years

Chairman and Chief Executive	Director of Cargill, Incorporated. Formerly a director of C.H. Robinson Worldwide, Inc.
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Officer of
Cargill,
Incorporated, a
privately held
company and
world-leading
producer and
marketer of
food,
agricultural,
financial, and
industrial
products and
services.
Director of
Ecolab since
2015. Vice
Chair of the
Audit
Committee and
member of the
Governance
Committee.

PROPOSAL 1: ELECTION OF DIRECTORS

TRACY B. MCKIBBEN

Years of Service: 4 Age: 49	Affairs and EU Relations and as Acting Senior Director for European Affairs. Before joining the National Security Council, she served in various senior advisory roles in the U.S. Department of Commerce from March 2001 to July 2003.
Board Committees:	Qualifications
Audit	Ms. McKibben has more than 15 years of experience in the energy sector, with a focus on alternative energy, water and infrastructure. In this role and in her prior role at Citigroup, Ms. McKibben developed considerable strategic and financial experience advising energy companies and multinational corporations on strategic investments, M&A, and energy policy. In addition to her experience in the energy and financial sectors, Ms. McKibben has gained extensive public sector and international experience working at the U.S. Department of Commerce and within the National Security Council at The White House where she advised the President of the United States, Cabinet Secretaries and other senior officials on political, security, commercial and international trade issues.
Finance	
Biography	
Founder and Chief Executive Officer of MAC Energy Advisors LLC, an investment consulting company that provides integrated and innovative energy solutions to help clients utilize capital strategically around the globe. Director of Ecolab since 2015. Member of the Audit and Finance Committees.	Other directorships held during the past five years
	Director of Huntington Ingalls Industries, Inc. Formerly a director of GlassBridge Enterprises, Inc. and ROI Acquisition Corp. II.
Ms. McKibben has been the head of MAC Energy Advisors since its founding in 2010. From September 2007 to August 2009, she served as	

Managing
Director and
Head of
Environmental
Banking
Strategy at
Citigroup
Global Markets.
Prior to joining
Citigroup, Ms.
McKibben
served in the
National
Security
Council at the
White House
from July 2003
to August 2007
as Director of
European
Economic

LIONEL L. NOWELL, III

Years of Service: 4 months Age: 64	served as Senior Vice President, Strategy and Business Development at RJR Nabisco, Inc. and held various senior financial roles at the Pillsbury division of Diageo plc, including Chief Financial Officer of its Pillsbury North America, Pillsbury Foodservice and Häagen-Dazs divisions.
	Qualifications
Board Committees:	Mr. Nowell is a highly experienced board member, with extensive financial expertise and understanding of various regulatory environments through his service on the boards of several multinational corporations. With his more than 30 years of operational and financial management experience in the consumer products industry, including his service as the senior vice president and treasurer of a multi-national food and beverage company, Mr. Nowell brings to the Board strong leadership skills and extensive knowledge in the areas of strategy development and execution, corporate finance, credit and treasury, financial analysis and reporting, accounting and controls, capital markets, acquisition/divestiture negotiations, international business ventures, strategic planning and risk management.
Audit	
Finance	
Biography	
Former Senior Vice President and Treasurer of PepsiCo, Inc., a food and beverage company. Director of Ecolab since 2018. Member of the Audit and Finance	Other directorships held during the past five years Director of American Electric Power Company and Bank of America Corporation. Formerly a director of British American Tobacco plc, Darden Restaurants, Inc., HD Supply Holdings, Inc. and Reynolds American Inc.

Committees.

Mr. Nowell currently serves on the board of American Electric Power Company since July 2004, where he is Chair of the Audit Committee and member of the Committee on Directors & Corporate Governance, the Executive Committee, the Finance Committee and the Policy Committee; and Bank of America Corporation since January 2013, as a member of the Audit and Corporate Governance Committees. Mr. Nowell retired in 2009 as Senior Vice President and Treasurer of PepsiCo, Inc. He was also formerly Chief Financial Officer of The Pepsi Bottling Group and Controller of PepsiCo, Inc. Prior to PepsiCo, he

VICTORIA J. REICH

Years of Service: 9 Age: 61	executive with Brunswick Corporation, last serving as President - Brunswick European Group, and previously as Senior Vice President and Chief Financial Officer. Before joining Brunswick, Ms. Reich was employed for 17 years at General Electric Company in various financial management positions.
Board Committees:	Qualifications
Audit Safety, Health and Environment Biography	As a former Chief Financial Officer of a public company, Ms. Reich possesses relevant financial leadership experience with respect to all financial management disciplines relevant to Ecolab, including public reporting, strategic planning, treasury, IT and financial analysis. Her financial management background at Essendant, Brunswick and General Electric, combined with her experience in European general management at Brunswick, enables her to provide strategic input as well as financial discipline. Essendant operates a cleaning supplies distribution business which provided Ms. Reich familiarity with the institutional market, one of our largest end-markets.
Former Senior Vice President and Chief Financial Officer of Essendant Inc. (formerly United Stationers Inc.), a broad line wholesale distributor of business products. Director of Ecolab since 2009. Chair of the Audit Committee and member of the Safety, Health and Environment Committee.	Other directorships held during the past five years Director of H&R Block, Inc. and Ingredion Incorporated.
From 2007 to 2011 Ms. Reich was Senior Vice President and Chief Financial Officer of Essendant. Prior to joining Essendant, Ms. Reich spent ten years as an	

PROPOSAL 1: ELECTION OF DIRECTORS

SUZANNE M. VAUTRINOT

Years of Service: 5	where she was responsible for cyber defense operations. Prior to that, General Vautrinot was the Director of Plans and Policy, U.S. Cyber Command and the Special Assistant to the Vice Chief of Staff of the U.S. Air Force. On multiple occasions, she was selected by military leaders and White House officials to spearhead high-profile engagements. General Vautrinot is the recipient of the Symantec Cyber Award, Women in Aerospace Leadership Award, Aerospace Citation of Honor and the Presidential Award for Training. During her career, she has also been awarded numerous medals and commendations, including the Distinguished Service Medal. She was inducted into the National Academy of Engineering in 2017.
Age: 59	
Board Committees:	
Compensation	
Finance	Qualifications
Biography	General Vautrinot brings a unique perspective to the Board with her 31-year military career. Having led large and complex organizations, she provides insights into the challenges facing large global organizations. As an expert in cyber security, she can advise Ecolab on appropriate protections for its networks. In addition, General Vautrinot has significant experience in strategic planning, organizational design and change management, which allows her to provide advice and insight to Ecolab as its business grows and develops.
President of Kilovolt Consulting, Inc., a cyber security strategy and technology consulting firm. Retired Major General of the U.S. Air Force. Director of Ecolab since 2014. Member of the Compensation and Finance Committees.	Other directorships held during the past five years Director of Symantec Corporation and Wells Fargo & Company.
General Vautrinot retired from the Air Force in 2013. During her 31-year career in the Air Force, she served in various assignments, including cyber operations, plans and policy, strategic security	

and space
operations.
General
Vautrinot
commanded at
the squadron,
group, wing and
numbered Air
Force levels, as
well as the Air
Force Recruiting
Service. She has
served on the
Joint Staff, the
staffs at major
command
headquarters and
Air Force
headquarters.
From 2011 to
2013, she was
Commander,
24th Air Force
and Commander,
Air Forces
Cyber,

JOHN J. ZILLMER

Years of Service: 13 Age: 63	Waste, Mr. Zillmer spent 30 years in the managed services industry, most recently as Executive Vice President of ARAMARK Corporation, a provider of food, uniform and support services. During his eighteen-year career with ARAMARK, Mr. Zillmer served as President of ARAMARK's Business Services division, the International division and the Food and Support Services group. Prior to joining ARAMARK, Mr. Zillmer was employed by Szabo Food Services until Szabo was acquired by ARAMARK in 1986.
Board Committees:	
Compensation	Qualifications
Governance	As the former Chief Executive Officer of Univar and previously Allied Waste, Mr. Zillmer has experience leading both public and large private companies. With Univar, he became intimately familiar with the chemical market, including with respect to chemicals that Ecolab uses to manufacture its products. He also has extensive knowledge of the environmental aspects of chemicals manufacturing and distribution. His experience leading various ARAMARK operations has given him deep knowledge of the institutional market, particularly the contract catering segment, which is a large market for Ecolab. His roles on the boards of Reynolds American, Allied Waste and CSX Corporation have provided him with significant public company board experience.
Biography	
Retired President and Chief Executive Officer of Univar Inc., a global distributor of industrial chemicals and	Other directorships held during the past five years

related specialty services. Director of Ecolab since 2006. Chair of the Compensation Committee and member of the Governance Committee. Director of Veritiv Corp., Performance Food Group Company and CSX Corporation. Formerly a director of Reynolds American Inc.

Mr. Zillmer joined Univar in 2009 as President and Chief Executive Officer. In 2012, he stepped down as President and CEO and became Executive Chairman until December 2012 when he retired from Univar. Prior to joining Univar, Mr. Zillmer served as Chairman and Chief Executive Officer of Allied Waste Industries, a solid waste management business, from 2005 until the merger of Allied Waste with Republic Services, Inc. in December 2008. Before Allied

CORPORATE GOVERNANCE

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Corporate Governance Materials and Code of Conduct

Our Company is managed under the overall direction of our Board of Directors for the benefit of all stockholders. Written materials concerning policies of our Board of Directors, corporate governance principles and corporate ethics practices, including our Code of Conduct as last amended in 2012, are available on our website at www.investor.ecolab.com/corporate-governance.

We intend to promptly disclose on our website should there be any amendments to, or waivers by the Board of Directors of, the Code of Conduct.

Board Structure

Under our Corporate Governance Principles, the preferable size of the Board is between 11 and 15 members, in order to facilitate effective discussion and decision-making, adequate staffing of Board Committees, and a desired mix of diversified experience and background. Our Board of Directors currently consists of 14 members. As described on page 3 under Proposal 1: Election of Directors, 13 nominees, if elected, will serve a one-year term ending as of the 2020 Annual Meeting expected to be held on May 7, 2020.

BOARD DIVERSITY

Independent	Other	Women	Men	Diverse	Other
AVERAGE BOARD TENURE: 7.3 YEARS					

0-4 years: 5	5-9 years: 5	10+ years: 4
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Board Leadership Structure

Our Board of Directors is led by Douglas M. Baker, Jr., our Chairman, who is also our Chief Executive Officer. Mr. Baker has served as our Chief Executive Officer and as a director since 2004, and he was elected Chairman in 2006.

As stated in our Corporate Governance Principles, the Board believes that it is best not to have a fixed policy on whether the offices of Chairman and Chief Executive Officer are to be held by one person or two. In May 2018, the Board determined that its current board leadership structure remains appropriate and best serves the interests of stockholders at this time. In making that annual determination, the Board considered numerous factors, including the benefits to the decision-making process with a leader who is both Chairman and Chief Executive Officer; the significant operating experience and qualifications of Mr. Baker; the importance of deep Ecolab knowledge in exercising business judgment in leading the Board; the size and complexity of our business; the significant business experience and tenure of our directors; and the qualifications and role of our Lead Director.

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In accordance with our Corporate Governance Principles, the independent directors, after recommendation of the Governance Committee, re-appointed Jeffrey M. Ettinger as Lead Director in May 2018. As detailed in Mr. Ettinger's biography and qualifications on page 4, Mr. Ettinger has extensive public company board experience. Mr. Ettinger also is independent and has considerable knowledge of our business. Specific responsibilities of the Lead Director, as enumerated in our Corporate Governance Principles, include:

- presiding over meetings of the Board at which the Chairman is not present, including executive sessions of the independent directors;
- acting as a liaison between the Chairman and the independent directors;
- reviewing and approving information sent to the Board;
- reviewing and approving meeting agendas for the Board;
- reviewing and approving meeting schedules to assure that there is sufficient time for discussion of all agenda items;
- at the discretion of the Lead Director, calling meetings of the independent directors; and
- if requested by significant stockholders, ensuring that he or she is available for consultation and direct communication.

Mr. Baker works closely with Mr. Ettinger to ensure the smooth and effective operation of the Board.

Board Committees

Our By-Laws permit the Board of Directors to designate Committees, each comprised of three or more directors, to assist the Board in carrying out its duties. The Board annually reviews its Committee structure as well as the Charter and composition of each Committee and makes modifications as necessary. The Charters for the Board's five standing Committees - Audit, Compensation, Finance, Governance and Safety, Health and Environment - were reviewed and approved by the Board in May 2018. The Charters of each of our Committees are available on our website at www.investor.ecolab.com/corporate-governance. The separately designated standing Audit Committee meets the requirements of Section 3(a)(58)(A) of the Exchange Act. The members of the Audit, Compensation and Governance Committees meet the "independence" and other requirements established by the rules and regulations of the SEC, the Internal Revenue Code of 1986, as amended (the "IRS Code"), the New York Stock Exchange and our Board, as applicable.

- Audit Committee – The Audit Committee members are Ms. Ballard, McKibben and Reich (Chair) and Messrs. Chazen, MacLennan (Vice Chair) and Nowell. The Committee met six times during 2018. In addition, either the full Audit Committee or the Committee Chair, as representative of the Committee (and at their election the other members of the Audit Committee), discussed the interim financial information contained in each quarterly earnings announcement for the first three calendar quarters of 2018 with our Chief Financial Officer and Controller and with our independent registered public accounting firm, prior to each of our quarterly earnings announcements. The Committee met to discuss the financial information contained in the fourth quarter and full year 2018 earnings announcement prior to dissemination of that press release and it being furnished to the SEC on a Form 8-K in February 2019. The Form 10-K for the year ended December 31, 2018, was also discussed by the Committee at its February 2019 meeting.

The Committee fulfills, and assists the Board of Directors' oversight of, its responsibilities to monitor: (i) the quality and integrity of our consolidated financial statements and management's financial control of operations; (ii) the qualifications, independence and performance of the independent accountants; (iii) the role and performance of the internal audit function; (iv) our compliance with legal and regulatory requirements; and (v) our cybersecurity program and related risks. The Committee meets regularly and privately with our management and internal auditors and with our independent registered public accounting firm, PricewaterhouseCoopers LLP.

A report of the Audit Committee is found under the heading "Audit Committee Report" at page 24.

The Board of Directors has determined that each member of the Audit Committee is “independent” and meets the independence and other requirements of Sections 303A.02 and 303A.07 of the listing standards of the New York Stock Exchange, and Rule 10A-3 under the Exchange Act, as well as of our Board. The Board has determined that each of Ms. McKibben and Reich and Messrs. MacLennan and Nowell is an “audit committee financial expert” under the SEC’s rules and should be so designated. Further, the Board has determined, in its business judgment, that each of Ms. McKibben and Reich and Messrs. MacLennan and Nowell has “accounting and related financial management expertise” and that each member of the Audit Committee is “financially literate” under the New York Stock Exchange’s listing standards.

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· **Compensation Committee** – The Compensation Committee members are Ms. Vautrinot and Messrs. Biller (Vice Chair), Ettinger, Higgins and Zillmer (Chair). The Committee met five times during 2018. The principal functions of this Committee are to: (i) review and approve or recommend to the Board, as applicable, with respect to the establishment, amendment and administration of any compensation plans, benefits plans, severance arrangements and long-term incentives for directors and any executive officers (including the CEO); (ii) review and approve our overall compensation policy and annual executive salary plan, including CEO compensation; and (iii) administer our director stock option and deferred compensation plans, executive and employee stock incentive plans, stock purchase plans, cash incentive programs and stock retention and ownership guidelines. The Committee may not delegate its primary responsibilities with respect to overseeing executive officer compensation. In accordance with the terms of our 2010 Stock Incentive Plan, the Committee has delegated to the CEO (in his capacity as a director) the authority to grant long-term incentives to employees who are not officers or directors, subject to specified thresholds and applicable law. A report by the Committee is located on page 27 of this Proxy Statement.

To assist the Committee in the design and review of the executive and director compensation programs, the Committee has selected and retained Frederic W. Cook & Co., Inc. (“FW Cook”), an independent compensation consulting firm, which reports directly to the Committee. As requested from time to time on behalf of the Committee, FW Cook provides the Committee with market data regarding various components of executive and director compensation, reviews the methodology on which compensation is based and designed, and informs the Committee of market trends in executive and director compensation. FW Cook performs no services for us other than those performed on behalf of the Committee.

The Committee has considered the independence of FW Cook in light of SEC rules and New York Stock Exchange listing standards. In connection with this process, the Committee has reviewed, among other items, a letter from FW Cook addressing the independence of FW Cook and the members of the consulting team serving the Committee, including the following factors: (i) other services provided to us by FW Cook; (ii) fees paid by us as a percentage of FW Cook’s total revenue; (iii) policies or procedures of FW Cook that are designed to prevent conflicts of interest; (iv) any business or personal relationships between the senior advisor of the consulting team and any member of the Committee; (v) any Ecolab stock owned by the senior advisor; and (vi) any business or personal relationships between our executive officers and the senior advisor. The Committee discussed these considerations and concluded that the work performed by FW Cook and its senior advisor involved in the engagement did not raise any conflict of interest.

The Board of Directors has determined that each member of the Compensation Committee meets the independence requirements of the SEC (including Rule 16b-3), the New York Stock Exchange, and Section 162(m) of the IRS Code and of our Board.

· **Finance Committee** – The current Finance Committee members are Ms. McKibben and Vautrinot and Messrs. Biller (Chair), Chazen, Larson (Vice Chair) and Nowell. The Committee met five times during 2018. The principal functions of this Committee are to review and make recommendations to the Board concerning: (i) management’s financial and tax policies and standards; (ii) our financing requirements, including the evaluation of management’s proposals concerning funding to meet such requirements; (iii) share repurchases and dividends; (iv) our capital expenditure budget; (v) adequacy of insurance coverage; and (vi) our use of derivatives to limit financial risk. The Committee also evaluates specific acquisition, divestiture and capital expenditure projects from a financial standpoint and reviews the financial impact of our significant retirement plans.

· **Governance Committee** – The Governance Committee members are Ms. Beck and Reich and Messrs. Ettinger (Chair), MacLennan and Zillmer. The Committee met six times during 2018. Certain functions of the Governance Committee are described starting on page 13 of this Proxy Statement under the heading “Director Nomination Process.” In addition, the principal functions of this Committee include: (i) lead the annual review of Board performance and effectiveness; (ii) review the Board’s organizational structure and operations (including appointing a lead director for executive sessions of non-management directors) and its relationship to senior management;

(iii) review issues of senior management succession; (iv) lead the annual Chief Executive Officer performance review and oversee the evaluation process for senior management; (v) review Certificate of Incorporation, By-Law or stockholder rights plan issues or changes in fundamental corporate charter provisions; (vi) review various corporate governance matters (including any necessary modifications to the Corporate Governance Principles); (vii) review and recommend to the Board with respect to director independence determinations and review, approve or ratify reportable related-person transactions; (viii) receive reports from management with regard to relevant social responsibility issues and report to the Board as appropriate; (ix) review our

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Company's efforts to achieve its affirmative action and diversity goals; (x) review director orientation, training and continuing education; (xi) review our political contributions policy as well as our corporate contributions; and (xii) undertake special projects which do not fall within the jurisdiction of other committees of the Board.

The Board of Directors has determined that each member of the Governance Committee meets the "independence" requirements of the SEC, the New York Stock Exchange and of our Board.

- **Safety, Health and Environment Committee** – The members of the Safety, Health and Environment Committee are Mses. Ballard and Beck (Chair) and Messrs. Baker, Higgins (Vice Chair) and Larson. The Committee met four times during 2018. This Committee monitors compliance with applicable safety, health and environmental ("SHE") laws and regulations. The principle functions of this Committee include: (i) review SHE policies, programs and practices, SHE risks, SHE statistics, pending SHE matters, security risks and industry best practices; (ii) review regulatory, environmental and health and safety trends, issues and concerns which affect or could affect our SHE practices; (iii) review the implementation of our SHE practices and related compliance with applicable policies; and (iv) review our Sustainability Report.

Board's Role in Risk Oversight

The Board of Directors, in exercising its overall responsibility to direct the business and affairs of the Company, has established various processes and procedures with respect to risk management. First, annually as a core agenda item of the full Board, management presents to the Board a comprehensive and detailed risk assessment of the Company after following a vigorous enterprise risk review and analysis. Pursuant to the risk assessment, the Company has categorized the most relevant risks as follows: strategic, operating, reporting and compliance. As part of the annual risk assessment, the Board determines whether any of the Company's overall risk management processes or control procedures requires modification or enhancement.

Strategic risk, which relates to the Company properly defining and achieving its high-level goals and mission, and operating risk, which relates to the effective and efficient use of resources and pursuit of opportunities, are regularly monitored and managed by the full Board through the Board's regular and consistent review of the Company's operating performance and strategic plan. For example, at each of the Board's five regularly scheduled meetings throughout the year, management provided the Board presentations on the Company's various business units as well as the Company's performance as a whole. Agenda items were included for significant developments as appropriate, for example, significant acquisitions, important market developments and senior management succession. Pursuant to the Board's established monitoring procedures, Board approval is required for the Company's strategic plan and annual plan which are reported on by management at each Board meeting. Similarly, significant transactions, such as acquisitions and financings, are brought to the Board for approval.

Reporting risk, which relates to the reliability of the Company's financial reporting, and compliance risk, which relates to the Company's compliance with applicable laws and regulations, are primarily overseen by the Audit Committee. The Audit Committee meets at least six times per year and, pursuant to its charter and core agendas, receives input directly from management as well as from the Company's independent registered public accounting firm, PricewaterhouseCoopers LLP, regarding the Company's financial reporting process, internal controls and public filings. The Committee also receives regular updates from the Company's General Counsel and the Chief Compliance Officer regarding any Code of Conduct issues or legal compliance concerns and annually receives a summary of all Code of Conduct incidents during the preceding year from the Chief Compliance Officer. See "Board Committees – Audit Committee" on page 9 for further information on how the Audit Committee monitors, and assists the Board of Directors' oversight of, reporting and compliance risks.

The Company believes that its leadership structure, discussed in detail above, supports the risk oversight function of the Board. While the Company has a combined Chairman of the Board and Chief Executive Officer, our Lead Director has substantial and clearly delineated authority pursuant to our Corporate Governance Principles, strong

directors chair the various Board Committees involved in risk oversight, there is open communication between management and directors, and all directors are actively involved in the risk oversight function.

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Communications with Directors

Our stakeholders and other interested parties, including our stockholders and employees, can send substantive communications to our Board using the following methods published on our website at www.investor.ecolab.com/corporate-governance:

- to correspond with the Board's Lead Director, please complete and submit the on-line "Contact Lead Director" form;
- to report potential issues regarding accounting, internal controls and other auditing matters to the Board's Audit Committee, please complete and submit the on-line "Contact Audit Committee" form; or
- to make a stockholder recommendation for a potential candidate for nomination to the Board, please submit an e-mail to the Board's Governance Committee, in care of our Corporate Secretary, at investor.info@ecolab.com.

All substantive communications regarding governance matters or potential accounting, control, compliance or auditing irregularities are promptly relayed or brought to the attention of the Lead Director or Chair of the Audit Committee following review by our management. Communications not requiring the substantive attention of our Board, such as employment inquiries, sales solicitations, questions about our products and other such matters, are handled directly by our management. In such instances, we respond to the communicating party on behalf of the Board. Nonetheless, our management periodically updates the Board on all of the on-line communications received, whether or not our management believes they are substantive. In addition to on-line communications, interested parties may direct correspondence to our Board of Directors, our Board Committees or to individual directors at our headquarters address, referenced on page 1 of this Proxy Statement.

Future Stockholder Proposals and Director Nomination Process

Any stockholder proposal, other than those for director nominations, must comply with advance notice procedures set forth in Article II, Section 4 of our By-Laws. As described in more detail below, stockholder proposals for director nominations must comply with Article II, Section 3 and Section 15 of our By-Laws. Under our By-Laws, to be in proper written form, the stockholder's notice to our Corporate Secretary must set forth as to each matter such stockholder proposes to bring before the Annual Meeting a brief description of the business desired to be brought before the Annual Meeting and the reasons for conducting such business at the Annual Meeting and, as to the stockholder giving the notice and any Stockholder Associated Person (i.e., any person acting in concert, directly or indirectly, with such stockholder and any person controlling, controlled by or under common control with such stockholder): (i) the name and record address of such person, (ii) the class or series and the number of shares beneficially owned by the stockholder, (iii) the nominee holder for, and number of, shares owned beneficially but not of record by such person, (iv) whether and the extent to which any hedging or other transaction or series of transactions has been entered into by or on behalf of, or any other agreement or arrangement has been made, the effect or intent of which is to mitigate loss to or manage risk or benefit of share price changes for, or to increase or decrease the voting power of, such person with respect to any share of stock of the Company, (v) to the extent known, the name and address of any other stockholder supporting the proposal, (vi) a description of all arrangements or understandings between or among such persons in connection with the proposal and any material interest in such proposal, and (vii) a representation by the stockholder that he or she intends to appear at the Annual Meeting to present the business. Any ownership information shall be supplemented by the stockholder giving the notice not later than ten (10) days after the record date for the meeting as of the record date. This summary is qualified in its entirety by reference to the full text of our By-Laws, which can be found on our website at www.investor.ecolab.com/corporate-governance. If the presiding Chairperson of the Annual Meeting of Stockholders determines that business, or a nomination, was not brought before the meeting in accordance with the By-Law provisions, that business will not be transacted or the defective nomination will not be accepted.

- **Deadline for Inclusion in the Proxy Statement** – All proposals, other than with respect to director nominees (as discussed below), to be considered by the Board for inclusion in the Proxy Statement and form of proxy for next

year's Annual Meeting of Stockholders expected to be held on May 7, 2020, must be received by the Corporate Secretary at our headquarters address, referenced on page 1 of this Proxy Statement, no later than November 19, 2019.

- **Deadline for Consideration** – Stockholder proposals not included in a Company proxy statement for an annual meeting as well as proposed stockholder nominations for the election of directors for inclusion in the Company's proxy statement and form of proxy at an annual meeting must each comply with advance notice procedures set forth in our By-Laws in order to be properly brought before that annual meeting of stockholders. In general, written notice of a stockholder proposal or a director nomination must be received by the Corporate Secretary not less than 120 days nor more than 150 days prior to the anniversary date of the preceding annual meeting of stockholders. With regard to next year's Annual Meeting of Stockholders, expected to be held on May 7, 2020, the written notice must be received between December 4, 2019 and January 3, 2020, inclusive.

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- Director Nomination Process – Our Board’s Governance Committee has, under its Charter, responsibility for director nominee functions, including review of any director nominee candidates recommended by stockholders. The Governance Committee has the following duties and authority:
 - Review and recommend to the Board of Directors policies for the composition of the Board, including such criteria as:
 - § size of the Board;
 - § diversity of gender, race, ethnicity, experience, employment, background and other relevant factors of Board members;
 - § the proportion of the Board to be comprised of non-management directors;
 - § qualifications for new or continued membership on the Board, including experience, employment, background and other relevant considerations; and
 - § director retirement requirements or standards.
 - Review any director nominee candidates recommended by stockholders.
 - Identify, interview and evaluate director nominee candidates and have sole authority to:
 - § retain and terminate any search firm to be used to assist the Committee in identifying director candidates; and
 - § approve the search firm’s fees and other retention terms.
 - Recommend to the Board:
 - § the slate of director nominees to be presented by the Board for election at the Annual Meeting of Stockholders;
 - § the director nominees to fill vacancies on the Board; and
 - § the members of each Board Committee.
- Director Nominations – Any stockholder nomination for directors must comply with the advance notice procedures set forth in Article II, Section 3 and Section 15 of our By-Laws. Under our By-Laws, to be in proper written form, the stockholder’s notice to our Corporate Secretary must set forth as to each person whom the stockholder proposes to nominate for election as a director:
 - (i) the name, age, business address, residence address and record address of such person,
 - (ii) the principal occupation or employment of such person,
 - (iii) the following information regarding such person:
 - (A) the class or series and number of shares of capital stock of the Company which are owned beneficially or of record by such person,
 - (B) any option, warrant, convertible security, stock appreciation right, or similar derivative instrument related to any class or series of shares of the Company that is directly or indirectly owned beneficially by such person;
 - (C) any proxy, contract, agreement, arrangement, understanding, or relationship pursuant to which such person has a right to vote any shares of any security of the Company;
 - (D) any “short interest” in any security of the Company;
 - (E) any rights to dividends on the shares of the Company owned beneficially by such person that are separated or separable from the underlying shares of the Company;
 - (F) any proportionate interest in shares of the Company or derivative instruments held, directly or indirectly, by a general or limited partnership in which such person is a general partner or, directly or indirectly, beneficially owns an interest in a general partner; and
 - (G) any performance-related fees (other than an asset-based fee) to which such person is entitled based on any increase or decrease in the value of shares of the Company or any derivative instruments, if any, as of the date of such notice, including, without limitation, any such interests held by members of such person’s immediate family sharing the same household,

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- (iv) any information relating to such person that would be required to be disclosed in a proxy statement or other filings required to be made in connection with solicitations of proxies for election of directors pursuant to Section 14 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), and the rules and regulations promulgated thereunder,
- (v) the nominee holder for, and number of, shares owned beneficially but not of record by such person,
- (vi) to the extent known by the stockholder giving the notice, the name and address of any other stockholder supporting the nominee for election or reelection as a director on the date of such stockholder’s notice,
- (vii) a description of all arrangements or understandings between or among such persons pursuant to which the nomination(s) are to be made by the stockholder, and
- (viii) a representation that such stockholder intends to appear in person or by proxy at the meeting to nominate the persons named in its notice.

In addition to the information required pursuant to Section 3, our By-Laws provide that the Company may require any proposed nominee to furnish such other information:

- (i) as may reasonably be required by the Company to determine the eligibility of such proposed nominee to serve as an independent director under the rules and listing standards of the principal United States securities exchanges upon which the Common Stock of the Company is listed or traded, any applicable rules of the U.S. Securities and Exchange Commission or any publicly disclosed standards used by the Board of Directors in determining and disclosing the independence of the Company’s directors,
- (ii) that could be material to a reasonable stockholder’s understanding of the independence, or lack thereof, of such nominee, or
- (iii) that may reasonably be requested by the Company to determine the eligibility of such nominee to serve as a director of the Company.

Any ownership information shall be supplemented by the stockholder giving the notice not later than ten (10) days after the record date for the meeting as of the record date. The notice must be accompanied by a written consent of the proposed nominee to being named as a nominee and to serve as a director if elected. No person shall be eligible for election as a director of the Company unless nominated in accordance with the foregoing procedures. This summary is qualified in its entirety by reference to the full text of our By-Laws, which can be found on our website at www.investor.ecolab.com/corporate-governance.

- Proxy Access – Under our By-Laws, a stockholder or a group of up to 20 stockholders owning 3% or more of the Company’s outstanding shares continuously for at least three years may nominate and include in our proxy materials director candidates constituting up to the greater of two individuals or 20% of the Board, provided that the stockholder(s) and the nominee(s) satisfy the requirements specified in our By-Laws. Our proxy access by-law limits the number of stockholders that may aggregate their shares to satisfy the 3% test to 20 stockholders. For purposes of the 20 stockholder limit, certain related funds are counted as one stockholder.

In terms of our principles for composition of the Board generally, and qualifications for director nominees specifically, we refer you to our Corporate Governance Principles, which can be found on our website at www.investor.ecolab.com/corporate-governance. Under these provisions, for example:

- No more than three Board members will be from current management. These management members normally would be the Chief Executive Officer, the Chairman (if an employee of the Company and not the CEO) and the President (if an employee of the Company and not the CEO) but may be any other officer deemed appropriate by the Board;
- It is desired that the members of the Board represent a geographical dispersion and variety of business disciplines so as to bring to the work of the Board a diversity of experience and background, with the predominance of members being chief or executive officers from different industries; and
- A continuing effort is made to seek well-qualified women and minority group members for the Board, but these persons must be sought out and evaluated as individuals rather than as representatives of specific groups. The Board

of Directors is committed to actively seeking out highly-qualified women and minority candidates for each search the Board undertakes.

CORPORATE GOVERNANCE

In identifying, evaluating and recommending director nominee candidates, the Committee will consider diversity of gender and ethnicity within the Board, the criteria set forth in the section above entitled "Director Nomination Process," and such other factors as the Committee deems appropriate. The Board conducts a periodic review of its efforts to achieve such diversity among its members.

- All directors are encouraged to submit to the Governance Committee the name of any person deemed qualified to serve on the Board, together with information on the candidate's qualifications. The Governance Committee screens and submits to the full Board the names and biographical information of those persons considered by the Committee to be viable candidates for election as directors. The same evaluation process and criteria are used by the Committee: (i) for recommendations for director candidates submitted by stockholders in accordance with our Restated Certificate of Incorporation and By-Laws, and (ii) for recommendations submitted by any other source, such as a director or a third-party search firm.

Other criteria relevant to service as a director of our Company are also set forth in our Corporate Governance Principles.

New Director Selection Process

With the resignation of Mr. Carl M. Casale in August 2018 and the resignation of Mr. Stephen I. Chazen effective in May 2019 in accordance with our Corporate Governance Principles upon reaching age 72, the Governance Committee considered the nomination of new candidates to serve on our Board of Directors. As provided in our Corporate Governance Principles, the Governance Committee focuses on candidates with significant organizational leadership experience, including individuals who were chief executive officers or otherwise led large and complex organizations, as well as qualified candidates with diverse backgrounds and experience relevant to our business. Ms. Shari L. Ballard was identified by a third-party search firm, and Mr. Lionel L. Nowell, III was identified by one of the independent directors. Both Ms. Ballard and Mr. Nowell were interviewed by our Chairman and Chief Executive Officer, the Lead Director and Governance Committee Chair and other members of the Board of Directors. Following this process and after a review by the Governance Committee and the Board of Directors of their qualifications, Ms. Ballard and Mr. Nowell were appointed to the Board in December 2018 for a term expiring at this year's Annual Meeting. Ms. Ballard and Mr. Nowell were also included by the Board of Directors on the slate of nominees for election for a term expiring at the 2020 Annual Meeting, and, as such, they are included in the group of nominees for election at this Annual Meeting. See Ms. Ballard's and Mr. Nowell's biographies on pages 3 and 6, respectively.

Compensation Risk Analysis

The Compensation Committee has established an annual process and criteria for assessing risk in our compensation programs and has directed management to apply that process and criteria to all compensation plans and practices that have the potential to give rise to behavior that creates risks that are reasonably likely to have a material adverse effect on the Company and to report the results to the Compensation Committee. As part of the process in 2018, the Company took the following steps to complete the assessment: (1) we agreed on a materiality framework for determining which compensation plans and practices to review; (2) we inventoried plans and practices that fell within the materiality framework; (3) we reviewed the identified plans and practices against our evaluation framework established in consultation with the Compensation Committee's independent compensation consultant, FW Cook; (4) we identified factors, processes or procedures in place which may mitigate any risks in identified plans and practices; and (5) the Compensation Committee reviewed the results of the analysis with FW Cook. Our risk assessment revealed that our compensation programs do not create risks that are reasonably likely to have a material adverse effect on the Company. In making this determination, we took into account the compensation mix for our employees as well as various risk control and mitigation features of our programs, including varied and balanced performance targets, review procedures for incentive pay calculations, appropriate incentive payout caps, the Company's rights to cancel incentive awards for employee misconduct, discretionary authority of the Compensation Committee to reduce

award pay-outs, internal controls around customer and distributor pricing and contract terms, our stock ownership guidelines, prohibition on hedging Company stock and our compensation recovery (“clawback”) policy.

Director Attendance

There were six meetings of the Board of Directors during the year ended December 31, 2018. Each incumbent director attended at least 93% of all Board meetings and meetings held by all Committees on which he or she served. Overall attendance at Board and Committee meetings was 99%. Directors are expected, but are not required, to attend our Annual Meeting of Stockholders. All of the directors then serving who were continuing to serve following the meeting attended last year’s Annual Meeting.

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CORPORATE GOVERNANCE

Compensation Committee Interlocks and Insider Participation

The Compensation Committee is comprised of five non-employee, independent directors: Ms. Vautrinot and Messrs. Biller (Vice Chair), Ettinger, Higgins, and Zillmer (Chair). No member of the Compensation Committee is or was formerly an officer or an employee of the Company or had any related person transaction required to be disclosed in which the Company was a participant during the last fiscal year. In addition, no executive officer of the Company serves on the compensation committee or board of directors of a company for which any of the Company's directors serves as an executive officer.

DIRECTOR COMPENSATION FOR 2018

Director Compensation Table

The following table summarizes the compensation that our non-employee directors received during 2018.

Name	Fees Earned or Paid in			Total
	Cash(1) (\$)	Stock Awards(2) (\$)	Option Awards(3) (\$)	
Shari L. Ballard(4)	9,130	8,750	0	17,880
Barbara J. Beck	125,000	115,000	62,676	302,676
Leslie S. Biller	125,000	115,000	62,676	302,676
Carl M. Casale(5)	70,760	67,812	62,676	201,248
Stephen I. Chazen	114,375	115,000	62,676	292,051
Jeffrey M. Ettinger	150,000	115,000	62,676	327,676
Arthur J. Higgins	110,000	115,000	62,676	287,676
Michael Larson	110,000	115,000	62,676	287,676
David W. MacLennan	120,000	115,000	62,676	297,676
Tracy B. McKibben	120,000	115,000	62,676	297,676
Lionel L. Nowell, III(4)	9,130	8,750	0	17,880
Victoria J. Reich	130,000	115,000	62,676	307,676
Suzanne M. Vautrinot	115,625	115,000	62,676	293,301
John J. Zillmer	130,000	115,000	62,676	307,676

(1) Represents annual retainer of \$110,000 (or a pro rata portion thereof) earned during 2018, plus additional fees paid to the Lead Director, the respective Chairs of Board Committees and the members of the Audit Committee; includes retainer and fees, if any, deferred at the election of directors pursuant to the 2001 Non-Employee Director Stock Option and Deferred Compensation Plan (the "2001 Plan"). The features of the 2001 Plan are described in the

Summary below. The dollar amount of retainer and fees deferred by applicable directors during 2018 is as follows: Ms. Beck, \$125,000; Mr. Biller \$125,000; Mr. Chazen, \$60,000; and Mr. Higgins, \$110,000.

- (2) Represents the crediting by the Company of \$115,000 (or a pro rata portion thereof) to a deferred stock unit account under the 2001 Plan during 2018, which also represents the full grant date fair value of each stock unit award under FASB ASC Topic 718. The features of the deferred stock unit account are described under the Summary below. The aggregate number of stock units held by each non-employee director is set forth under footnote (3) to the “Security Ownership – Executive Officers and Directors” table at page 21.

- (3) Represents the full grant date fair value of each option award, computed in accordance with FASB ASC Topic 718. The value has been determined by application of the lattice (binomial)-pricing model, based upon the terms of the option grant to directors. Director stock options granted in May 2018 to directors have a ten-year contractual exercise term and vest 25% at the end of each three-month period following the date of grant. Key assumptions include: risk-free rate of return, expected life of the option, expected stock price volatility and expected dividend yield. The specific assumptions used in the valuation of these options are summarized in the table below:

Grant Date	Risk Free Rate	Expected Life	Expected Volatility	Expected Dividend Yield
05/03/2018	2.83%	6.15 years	23.12%	1.14%

As of December 31, 2018, the aggregate number of stock options held by each director named in the table above is as follows: Ms. Ballard, 0; Ms. Beck, 17,700; Mr. Biller, 31,600; Mr. Casale, 10,350; Mr. Chazen, 13,900; Mr. Ettinger, 8,300; Mr. Higgins, 17,700; Mr. Larson, 18,400; Mr. MacLennan, 7,100; Ms. McKibben, 8,700; Mr. Nowell, 0; Ms. Reich, 21,900; Ms. Vautrinot, 11,200; and Mr. Zillmer, 31,600.

- (4) Ms. Ballard and Mr. Nowell were each appointed to the Board effective December 4, 2018, and received a pro-rated portion of compensation for 2018.
- (5) Mr. Casale retired from the Board effective August 2, 2018, and received a pro-rated portion of compensation for 2018.

DIRECTOR COMPENSATION FOR 2018

Summary

During 2018, members of the Board of Directors who are not employees of the Company were entitled to receive base annual compensation valued at \$280,000 as follows:

- An annual retainer of \$110,000;
- \$115,000 annually in the form of stock units (which are described below); and
- Stock options having a grant date fair value of approximately \$55,000.

We also paid the following supplemental retainers to the Lead Director, committee chairs and members of the Audit Committee:

Director Role	Amount (\$)
Lead Director	25,000
Audit Committee Chair	20,000
Compensation Committee Chair	20,000
Finance Committee Chair	15,000
Governance Committee Chair	15,000
Safety, Health and Environment Committee Chair	15,000
Audit Committee Member	10,000

The base annual compensation of \$280,000 per year, excluding committee retainers, is within the median range of our competitive market, as is the total equity compensation of \$170,000 comprising a portion of such base. For director compensation, we define our competitive market as a group of 20 comparison companies for compensation benchmarking and the median range as within 10% of the median for total annual director compensation. The companies comprising our comparison group are the same as the executive compensation comparison group and are set forth under the heading “Compensation Benchmarking” found under the Compensation Discussion and Analysis of this Proxy Statement at page 34.

All reasonable travel and other expenses incurred by directors on behalf of Ecolab were reimbursed.

The features of the 2001 Plan are as follows:

- Non-employee directors may elect to defer some, or all, of the cash portion of their annual retainer and additional fees in a cash account or a deferred stock unit account until cessation of Board service. Amounts deferred in the cash account earn interest at market rates and amounts deferred in the stock unit account are credited with dividend equivalents. Upon cessation of Board service, deferred amounts are paid in a lump sum or in equal installments over a maximum of ten years as elected by the director, with payments from the interest-bearing account made in cash and payments from the stock unit account made in shares of our Common Stock.
- Director stock option grants are made on the date of the Annual Meeting of Stockholders and have an exercise price which is the average of the high and low market price on the date of grant. We believe that the use of the average of the high and low market price on the date of the grant removes same-day stock volatility. Director stock options vest 25% at the end of each three-month period following the grant date and will terminate 10 years after the grant date. If a non-employee director ceases to serve as a director of the Company for any reason, then each of his or her stock options will, to the extent it was already exercisable, remain exercisable for the shorter of the remaining term of the stock option or five years after the date service as a director ceased. The stock options granted to directors under the 2001 Plan may be transferred to defined family members or legal entities established for their benefit. We do not have a program, plan or practice to time stock option grants to directors in coordination with the release of material non-public information.

- The 2001 Plan is the only plan or arrangement under which share-based compensation is provided to our non-employee directors.

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DIRECTOR COMPENSATION FOR 2018

- The aggregate grant date fair value of 2001 Plan awards denominated in shares that may be made to any non-employee director of the Company during any calendar year may not exceed \$800,000, excluding such awards made at the election of a director to defer the receipt of cash compensation otherwise payable for services as a director.

Stock Retention and Ownership Guidelines

We have in place stock retention and ownership guidelines to encourage our directors to accumulate a significant ownership stake so they are vested in maximizing long-term stockholder returns. Our guidelines provide that our directors own Company stock with a market value of at least five times the annual retainer. Until the stock ownership guideline is met, the director is expected to retain 100% of all after-tax profit shares from stock option exercises. For purposes of complying with our guidelines, stock is not considered owned if subject to an unexercised stock option. Shares owned outright, legally or beneficially, by a director or his or her immediate family members residing in the same household and deferred stock units in the director's deferral plan count towards meeting the guidelines. Our directors may not pledge shares or enter into any risk hedging arrangements with respect to Company stock. Our directors are in compliance with our guidelines by either having achieved the ownership guideline or, if the guideline is not yet achieved, by retaining 100% of all after-tax profit shares from any stock option exercises.

DIRECTOR INDEPENDENCE STANDARDS AND DETERMINATIONS

"Independence" Standards

Pursuant to the Board of Directors' policy, a director is not independent if:

- The director is, or has been within the last three years, an employee of the Company, or an immediate family member is, or has been within the last three years, an executive officer, of the Company.
- The director has received, or has an immediate family member who has received, during any twelve-month period within the last three years, more than \$120,000 in direct compensation from the Company, other than director and committee fees and pension or other forms of deferred compensation for prior service (provided such compensation is not contingent in any way on continued service).
- (A) The director is a current partner or employee of a firm that is the Company's internal or external auditor; (B) the director has an immediate family member who is a current partner of such a firm; (C) the director has an immediate family member who is a current employee of such a firm and personally works on the Company's audit; or (D) the director or an immediate family member was within the last three years a partner or employee of such a firm and personally worked on the Company's audit within that time.
- The director or an immediate family member is, or has been within the last three years, employed as an executive officer of another company where any of the Company's present executive officers at the same time serves or served on that company's compensation committee.
- The director is a current employee, or an immediate family member is a current executive officer, of a company that has made payments to, or received payments from, the Company for property or services in an amount which, in any of the last three fiscal years, exceeds the greater of \$1 million, or 2% of such other company's consolidated gross revenues.

The Board of Directors' independence policy is also available on our website at www.investor.ecolab.com/corporate-governance.

"Independence" Determinations

In February 2019, the Governance Committee undertook a review of director independence by examining the nature and magnitude of transactions and relationships during 2018, 2017 and 2016 between each director serving during 2018 or director nominee, as the case may be (or any member of his or her immediate family or the company he or she is employed by and its subsidiaries and affiliates), and the Company, its subsidiaries and affiliates. Appropriate scrutiny is given to any situation which could be reasonably considered a material relationship. Both the existence and nature of the relationship are considered. The relationships include, among others, commercial, industrial, banking, consulting, legal, accounting, charitable and familial relationships. The Company also endeavors to identify, quantify and evaluate ordinary course

DIRECTOR INDEPENDENCE STANDARDS AND DETERMINATIONS

commercial transactions between the Company and any company that employs a director or director nominee, including subsidiaries and affiliates of the company. In this regard, the Board's Governance Committee has reviewed the following transactions and determined that the transactions do not exceed the Board's categorical "independence" standards described above or adversely affect the director for "independence" status as the combined impact of the transactions is immaterial to the Company and the respective organizations.

- Mr. MacLennan serves as Chairman and Chief Executive Officer of Cargill, Incorporated. During 2018, Ecolab's sales to Cargill and its affiliates were approximately \$26.4 million, or less than 0.09% of Cargill's revenues, and Ecolab's purchases from Cargill and its affiliates were approximately \$6.2 million, or less than 0.02% of Cargill's revenues. Ecolab believes all sales to Cargill were made in the ordinary course, at arm's length, and at prices and on terms customarily available. Further, Ecolab believes Mr. MacLennan had no personal interest in, or received any personal benefit from, such commercial transactions.

Based on the review of the Governance Committee, the Board of Directors has determined that the following directors, including those on the slate of nominees for election to the Board at this year's Annual Meeting (other than Mr. Baker), are, and have been since January 1, 2018, or the date which they became a director of the Company if later than January 1, 2018, independent in accordance with the listing standards of the New York Stock Exchange, the rules and regulations of the SEC, applicable law, and the Board's "independence" policy: Shari L. Ballard, Barbara J. Beck, Leslie S. Biller, Carl M. Casale, Stephen I. Chazen, Jeffrey M. Ettinger, Arthur J. Higgins, Michael Larson, David W. MacLennan, Tracy B. McKibben, Lionel L. Nowell, III, Victoria J. Reich, Suzanne M. Vautrinot and John J. Zillmer.

The Board determined that Douglas M. Baker, Jr. is not "independent," due to his status as the current Chief Executive Officer.

RELATED-PERSON TRANSACTIONS

The Governance Committee of the Board of Directors is responsible for reviewing, approving or ratifying transactions in excess of \$120,000 with the Company's executive officers or directors, including their immediate family members, or any greater than 5% stockholder known to us. Our practices and procedures for identifying transactions with related persons are located in the charter of the Governance Committee. The Governance Committee considers the related person's relationship to the Company and interest in the transaction; the material facts of the transaction, including the proposed aggregate value of such transaction; the benefits to the Company of the proposed related-person transaction; if applicable, the availability of other sources of comparable products or services; an assessment of whether the proposed related-person transaction is on terms that are comparable to the terms available to an unrelated third party or to employees; and such other factors and information as the Governance Committee may deem appropriate. The Governance Committee determined that there were no such transactions with related persons during 2018, nor any currently anticipated transactions.

SECURITY OWNERSHIP

SECURITY OWNERSHIP

Certain Beneficial Owners

The following table sets forth information as to entities which have reported to the Securities and Exchange Commission (“SEC”) or have advised us that they are a “beneficial owner,” as defined by the SEC’s rules and regulations, of more than 5% of our outstanding Common Stock.

Title of Class	Name and Address of Beneficial Owner	Amount and Nature of Beneficial Ownership	Percent of Class (1)
Common	William H. Gates III One Microsoft Way Redmond, WA 98052	35,051,980(2)	12.2%
Common	The Vanguard Group 100 Vanguard Blvd. Malvern, PA 19355	22,310,036(3)	7.7%
Common	BlackRock, Inc. 55 East 52nd Street New York, NY 10022	16,641,721(4)	5.8%

- (1) The percent of class is based on the number of voting shares outstanding as of March 5, 2019.
- (2) This information is based on Amendment No. 6 to the Schedule 13D filed jointly with the SEC on March 9, 2018 by Cascade Investment, L.L.C., which we refer to as Cascade, William H. Gates III, whom we refer to as Mr. Gates, the Bill and Melinda Gates Foundation Trust, which we refer to as the Trust, and Melinda French Gates, whom we refer to as Mrs. Gates, and a Form 4 relating to Mr. Gates filed with the SEC on March 16, 2018. Mr. Gates reports that he has sole power to vote or direct the vote, and to dispose or to direct the disposition, of 30,685,554 shares of Ecolab Common Stock beneficially owned by Cascade, as the sole member of such entity. Additionally, Amendment No. 6 to the Schedule 13D reports that Mr. Gates and Mrs. Gates share the power to vote or direct the vote, and to dispose or to direct the disposition of, 4,366,426 shares of Ecolab Common Stock beneficially owned by the Trust, as co-trustees of such entity.
- (3) This information is based on Amendment No. 6 to the Schedule 13G filed on February 11, 2019 by The Vanguard Group, Inc., which we refer to as Vanguard. Vanguard reports that, as of December 31, 2018, they have sole power to vote or direct the vote of 304,544 shares, shared power to vote or direct the vote of 77,911 shares, sole power to dispose or to direct the disposition of 21,934,725 shares and shared power to dispose or direct the disposition of 375,311 shares of Ecolab Common Stock.
- (4) This information is based on Amendment No. 4 to the Schedule 13G filed on February 4, 2019 by BlackRock, Inc. (“BlackRock”). BlackRock reports that, as of December 31, 2018, they have sole power to vote or direct the vote of 14,161,659 shares, and sole power to dispose or to direct the disposition of 16,641,721 shares of Ecolab Common Stock.

SECURITY OWNERSHIP

Executive Officers and Directors

In general, “beneficial ownership” includes those shares of our Common Stock which a director or executive officer has the power to vote or transfer, as well as stock options that are exercisable currently or within 60 days and stock underlying stock units that may be acquired within 60 days. On March 5, 2019, our current executive officers and directors beneficially owned, in the aggregate, 4,440,917 shares of Common Stock constituting approximately 1.5% of our shares outstanding. As required by SEC disclosure rules, “shares outstanding” for this purpose includes options exercisable within 60 days and stock underlying stock units that may be acquired within 60 days by such executive officers and directors. The detail of beneficial ownership is set forth in the following table.

Name of Beneficial Owner	Amount and Nature of Beneficial Ownership		Percentage of Outstanding Shares Beneficially Owned
Named Executive Officers			
Douglas M. Baker, Jr. (Chief Executive Officer)	1,787,762	(1)(2)(4)	*
Daniel J. Schmechel (Chief Financial Officer)	349,459	(1)(2)	*
Thomas W. Handley	400,149	(1)(2)(4)	*
Darrell R. Brown	74,266	(2)	*
Timothy P. Mulhere	188,690	(1)(2)	*
Directors			
Shari L. Ballard	60	(3)	*
Barbara J. Beck	41,828	(2)(3)	*
Leslie S. Biller	85,263	(2)(3)	*
Stephen I. Chazen	26,264	(2)(3)	*
Jeffrey M. Ettinger	20,315	(2)(3)	*
Arthur J. Higgins	35,402	(2)(3)	*
Michael Larson	23,991	(2)(3)(5)	*(5)
David W. MacLennan	17,055	(2)(3)(4)	*
Tracy B. McKibben	11,925	(2)(3)	*
Lionel L. Nowell, III	60	(3)	*
Victoria J. Reich	41,168	(2)(3)	*
Suzanne M. Vautrinot	15,149	(2)(3)	*
John J. Zillmer	55,636	(2)(3)	*
Directors and Executive Officers as a Group (29 persons)			
	4,440,917	(4)(5)	1.52% (4)(5)

* Indicates beneficial ownership of less than 1% of our outstanding Common Stock.

- (1) Includes the following shares held by officers in the Ecolab Savings Plan and ESOP for Traditional Benefit Employees or Ecolab Savings Plan and ESOP as of the last Plan report: Mr. Baker, 10,281; Mr. Schmechel, 5,283; Mr. Handley, 1,045; and Mr. Mulhere, 3,408.
- (2) Includes the following shares which could be purchased under Company-granted stock options within 60 days from March 5, 2019 including, in the case of retirement-eligible officers, options vesting upon retirement from the Company: Mr. Baker, 1,044,046; Mr. Schmechel, 182,936; Mr. Handley, 248,747; Mr. Brown, 63,925; Mr.

Mulhere, 160,524; Ms. Beck, 17,700; Mr. Biller, 26,400; Mr. Chazen, 13,900; Mr. Ettinger, 8,300; Mr. Higgins, 17,700; Mr. Larson, 18,400; Mr. MacLennan, 7,100; Ms. McKibben, 8,700; Ms. Reich, 21,900; Ms. Vautrinot, 11,200; and Mr. Zillmer, 26,400.

- (3) Includes the following interests in stock units under our 2001 Non-Employee Director Stock Option and Deferred Compensation Plan: Ms. Ballard, 60; Ms. Beck, 24,128; Mr. Biller, 37,037; Mr. Chazen, 7,364; Mr. Ettinger, 5,615; Mr. Higgins, 17,702; Mr. Larson, 5,591; Mr. MacLennan, 2,520; Ms. McKibben, 3,225; Mr. Nowell, 60; Ms. Reich, 18,268; Ms. Vautrinot, 3,949; and Mr. Zillmer, 10,736. The stock units are Common Stock equivalents which may not be voted or transferred. They are included in the table because in certain circumstances they will be paid in the form of Common Stock within 60 days after a director leaves the Board.
- (4) Beneficial ownership includes 7,050 shares held by or on behalf of family members of certain directors or executive officers; 10,000 shares of Mr. Baker, indirectly held in a foundation in which he has no economic interest but has voting authority and/or power of disposition; 145,350 shares of Mr. Baker, 14,806 shares of Mr. Handley, and 7,435 shares of Mr. MacLennan held in trusts over which they or an immediate family member have voting authority and/or power of disposition; 35,114 shares held for executive officers in Company-sponsored employee benefit plans as of the last plan reports; and 2,989,435 shares to which these persons have the right to acquire beneficial ownership within 60 days of March 5, 2019, including, in the case of retirement-eligible officers, options vesting upon retirement from the Company.
- (5) Mr. Larson is the Business Manager of Cascade Investment, L.L.C. ("Cascade"), an entity owned by William H. Gates III, and the chief investment officer for Mr. Gates. As the Business Manager of Cascade, Mr. Larson may be deemed to have shared voting and investment power with respect to 30,685,554 shares of Ecolab Common Stock held by Cascade, and as the chief investment officer for Mr. Gates, he may be deemed to have voting and investment power with respect to 4,366,426 shares of Ecolab Common Stock held by the Bill & Melinda Gates Foundation Trust (the "Trust"). Mr. Larson disclaims beneficial ownership of any shares held by Cascade or the Trust.

SECURITY OWNERSHIP

Section 16(a) Beneficial Ownership Reporting Compliance

Section 16(a) of the Exchange Act requires the Company's executive officers and directors, and persons who own more than ten percent of a registered class of the Company's equity securities, to file with the SEC reports on ownership of Company securities and changes in reported ownership. As a practical matter, Company personnel assist executive officers and directors by monitoring transactions and completing and filing Section 16 reports (SEC Forms 3, 4 and 5) on their behalf based upon company records and information provided to us.

Based solely on a review of Section 16 reports and on written representations from reporting persons, the Company believes that during the fiscal year ended December 31, 2018 the Company's executive officers, directors and greater than ten percent owners timely filed all reports they were required to file under Section 16(a), except that with respect to Mr. Baker, one gift was not reported on a Form 4 or a Form 5. This transaction was subsequently reported for Mr. Baker promptly upon discovery of the omission.

PROPOSAL 2: RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

PROPOSAL 2: RATIFICATION OF APPOINTMENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee of the Board of Directors has appointed PricewaterhouseCoopers LLP (“PwC”) as our independent registered public accounting firm to audit our consolidated financial statements for the year ending December 31, 2019 and to perform other appropriate services. Representatives of PwC are expected to be present at our Annual Meeting of Stockholders. They will have an opportunity to make a statement if they desire to do so and are expected to be available to respond to appropriate questions.

PwC has provided professional services to the Company in 2018, the aggregate fees and expenses of which are reported at page 25.

Board of Directors’ Recommendation – The Board of Directors recommends that the stockholders vote FOR the ratification of the appointment of PwC as our independent registered public accounting firm for the year ending December 31, 2019. Under the laws of the State of Delaware, stockholder ratification of the appointment of our independent registered public accounting firm is not required. However, the Board deems it advisable to submit the appointment of PwC for stockholder consideration and ratification. If the appointment of PwC is not ratified, the Audit Committee will reconsider the matter, but will not be required to change its decision to appoint PwC as independent registered public accounting firm. Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted FOR ratification of the appointment of PricewaterhouseCoopers LLP.

AUDIT COMMITTEE REPORT

AUDIT COMMITTEE REPORT

The Audit Committee operates under a written Charter and the functions of the Committee are described under the heading “Board Committees – Audit Committee” at page 9 hereof. The Audit Committee’s Charter recognizes that (i) it is the responsibility of management to prepare the Company’s financial statements in accordance with Accounting Principles Generally Accepted in the United States of America and to maintain an effective system of financial control; and (ii) it is the responsibility of the independent auditors to plan and conduct the annual audit and express their opinion on the consolidated financial statements in accordance with professional standards. As recognized in the Charter, the Committee’s responsibilities include overseeing the work of the participants in the financial reporting and control process.

In this context, the Audit Committee has (i) reviewed and discussed the audited consolidated financial statements of the Company as of December 31, 2018, and for the year then ended (the “Financial Statements”) with management which has represented that the Financial Statements were prepared in accordance with Accounting Principles Generally Accepted in the United States of America, (ii) discussed the Financial Statements with PricewaterhouseCoopers LLP (our independent registered public accounting firm), including the matters required to be discussed by Public Company Accounting Oversight Board Auditing Standard 1301, “Communications with Audit Committees,” and (iii) received the written disclosures and the letter from PricewaterhouseCoopers LLP 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 PricewaterhouseCoopers LLP their independence. The Committee has also considered whether PricewaterhouseCoopers LLP’s provision of non-audit services as described below under the heading “Audit Fees” is compatible with maintaining PricewaterhouseCoopers LLP’s independence.

Based on the foregoing review and discussions, the Audit Committee recommended to the Board of Directors, and the Board has approved, that the Financial Statements be included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2018 for filing with the SEC.

Dated: February 21, 2019	Shari L. Ballard	Tracy B. McKibben
	Stephen I. Chazen	Lionel L. Nowell, III
	David W. MacLennan	Victoria J. Reich

AUDIT FEES

AUDIT FEES

The following table presents fees for professional services rendered by PricewaterhouseCoopers LLP ("PwC") for the years ended December 31, 2018 and 2017.

Fee Category	2018	2017
Audit Fees(1)	\$ 12,839,000	\$ 12,953,000
Audit-related Fees(2)	\$ 987,000	\$ 710,000
Tax Fees(3)	\$ 4,390,000	\$ 4,830,000
All Other Fees(4)	\$ 10,000	\$ 42,000

- (1) Fees and expenses paid to PwC for: (i) annual audit (annual audit and quarterly reviews of the consolidated financial statements required to be performed in accordance with generally accepted auditing standards); (ii) 404 attestation services (attestation services relating to the report on the Company's internal controls as specified in Section 404 of Sarbanes-Oxley Act); (iii) statutory audits (statutory audits or financial audits for subsidiaries or affiliates required to be performed in accordance with local regulations); (iv) regulatory financial filings (services associated with SEC registration statements, periodic reports and other documents filed with the SEC or other documents issued in connection with securities offerings (e.g., comfort letters, consents) and assistance in responding to SEC comment letters); (v) incremental audit procedures related to acquisitions or other transactions; and (vi) consultations on accounting and disclosure matters.
- (2) Fees and expenses paid to PwC for: (i) agreed-upon procedures (agreed-upon or expanded audit procedures related to accounting records required to respond to or comply with financial, accounting or regulatory matters); (ii) attest services; and (iii) employee benefit plan audits (financial statement audits of pension and other employee benefit plans).
- (3) Fees and expenses paid to PwC for: (i) U.S. federal, state and local tax advice (assistance with tax audits, technical interpretations, applicable laws and regulations, tax advice on mergers, acquisitions and restructurings) and compliance (preparation and/or review of tax returns including sales and use tax, excise tax, income tax, and property tax; consultation regarding applicable handling of items for tax returns, required disclosures, elections, and filing positions available to the Company), \$728,000; (ii) international non-U.S. tax compliance (preparation and review of income, local, VAT, and GST tax returns or other tax filings, required disclosures, elections and filing positions available to the Company) and international non-U.S. tax advice (assistance with tax examinations (other than legal or other representation in tax courts or agencies), advice on various matters including foreign tax credit, foreign income tax, tax accounting, foreign earnings and profits, U.S. treatment of foreign subsidiary income, VAT, GST, excise tax or equivalent taxes in the jurisdiction, and tax advice on restructurings, mergers, and acquisitions), \$2,359,000; and (iii) transfer pricing (advice and assistance with respect to transfer pricing matters, including preparation of reports used by the Company to comply with taxing authority documentation requirements regarding royalties and inter-company pricing and assistance with tax exemptions), \$1,303,000.
- (4) This category includes all fees paid to PwC that must be disclosed and are appropriately not included in the Audit, Audit-Related and Tax categories.

All of the professional services provided by PwC in 2018 and 2017 were approved or pre-approved in accordance with policies of the Audit Committee and the Company. The Audit Committee has pre-approved projects for certain permissible non-audit services. Under the policy, requests for pre-approvals of permissible non-audit services must be accompanied by detailed documentation regarding specific services to be provided. The policy specifies that:

- annual pre-approval of the audit engagement (including internal control attestation) is required;
- the independent auditor may not provide prohibited services;
-

annual pre-approval is provided for employee benefit plan audits and special audits, as well as other attestation services;

- management and the independent auditors report to the Committee on all non-audit service projects and related fees;
- all services and fees are reviewed annually; and
- the Committee Chair has been delegated authority to approve specific permissible non-audit service projects and fees to ensure timely handling of unexpected matters.

Examples of permissible non-audit services under the policy include: (i) merger/acquisition due diligence services; (ii) attest services; (iii) tax compliance, filings and returns; and (iv) tax planning services, provided that such services are limited to projects having “known or accepted” outcomes.

PROPOSAL 3: ADVISORY VOTE TO APPROVE THE COMPENSATION OF EXECUTIVES DISCLOSED IN THIS PROXY STATEMENT

PROPOSAL 3: ADVISORY VOTE TO APPROVE THE COMPENSATION OF EXECUTIVES DISCLOSED IN THIS PROXY STATEMENT

At the 2017 Annual Meeting, we provided our stockholders with an advisory vote regarding how frequently the Company will conduct future stockholder advisory votes to approve the compensation of our named executive officers. More than 92% of the total votes cast by holders of shares represented at the meeting voted in favor of an annual vote, consistent with the recommendation of the Board. Based on these results, the Board has determined to hold an advisory vote on the compensation of our named executive officers on an annual basis.

Ecolab's executive compensation program is intended to: (1) support our corporate vision and long-term financial objectives, (2) communicate the importance of business results, (3) retain and motivate executives important to our success and (4) reward executives for contributions at a level reflecting our performance. We believe that our compensation policies and procedures have met these objectives. They have contributed to the Company's historically strong growth and returns, rewarded executives based on performance and are aligned with the long-term interests of our stockholders. See "Compensation Discussion and Analysis," beginning at page 27.

The Company is presenting this proposal, which gives you as a stockholder the opportunity to endorse or not endorse our executive pay program through an advisory vote for or against the following resolution:

"RESOLVED, that the stockholders approve, on an advisory basis, the compensation of our named executive officers, as disclosed in the Company's Proxy Statement for the 2019 Annual Meeting of Stockholders pursuant to the compensation disclosure rules of the SEC, including the Compensation Discussion and Analysis, the compensation tables, and the related disclosure contained in the Proxy Statement."

The Company has presented this proposal at each Annual Meeting since 2010 and each year the proposal has received support from greater than 92% of the total shares cast on the proposal.

The Board of Directors encourages stockholders to endorse the compensation program for our named executive officers by voting FOR the above resolution. As discussed in the Compensation Discussion and Analysis contained in this Proxy Statement, we believe that the executive compensation for 2018 was reasonable and appropriate and was justified by the performance of the Company. Our compensation program is the result of a carefully considered approach, including input and advice from the Compensation Committee's independent compensation consultant.

Because your vote is advisory, it will not be binding upon the Board of Directors. However, the Compensation Committee will take into account the outcome of the vote when considering future executive compensation arrangements.

Board of Directors' Recommendation – The Board of Directors recommends that you vote FOR approval of the compensation of Ecolab's executives as described in the Compensation Discussion and Analysis and the compensation tables and otherwise in this Proxy Statement pursuant to the compensation disclosure rules of the SEC. Proxies solicited by our Board of Directors will be voted FOR approval of the proposal unless otherwise specified.

COMPENSATION DISCUSSION AND ANALYSIS

COMPENSATION COMMITTEE REPORT

The Compensation Committee has reviewed and discussed the following Compensation Discussion and Analysis of the Company with management. Based on their review and discussion, the Compensation Committee recommended to the Board of Directors, and the Board has approved, the inclusion of the Compensation Discussion and Analysis in both the Company's Annual Report on Form 10-K for the year ended December 31, 2018, and the Company's Proxy Statement for the Annual Meeting of Stockholders to be held May 2, 2019.

Dated: February 21, 2019 Leslie S. Biller Suzanne M. Vautrinot
 Jeffrey M. Ettinger John J. Zillmer
 Arthur J. Higgins

COMPENSATION DISCUSSION AND ANALYSIS

This Compensation Discussion and Analysis ("CD&A") provides information about the principles underlying our executive compensation programs and the key executive compensation decisions that were made for the fiscal year ended December 31, 2018 ("2018"), including the most important factors relevant to those decisions. This CD&A is intended to provide additional context and background for the compensation earned by and awarded to the following named executive officers ("NEOs") for 2018 as reported in the Summary Compensation Table which follows this discussion:

Douglas M. Baker, Jr.	Chairman of the Board and Chief Executive Officer
Daniel J. Schmechel	Chief Financial Officer and Treasurer
Thomas W. Handley	President and Chief Operating Officer
Timothy P. Mulhere	Executive Vice President and President – Global Institutional
Darrell R. Brown	Executive Vice President and President – Energy Services

The Company's compensation programs enable us to attract and retain the leadership talent that is necessary to successfully manage our strong earnings growth and return on invested capital objectives, while balancing necessary investment in the businesses in order to achieve attractive, long-term shareholder returns. Our corporate short-term and long-term incentive plan performance measures are aligned with this strategy by utilizing growth in adjusted diluted earnings per share (hereinafter, "adjusted EPS," unless the context otherwise requires) and adjusted return on invested capital (hereinafter, "adjusted ROIC," unless the context otherwise requires), both as defined later in this CD&A. At the business unit level, we also incorporate business unit sales and operating income performance measures.

Executive Summary

Business Environment

The Company achieved strong adjusted sales and earnings growth in 2018 as it drove new product introductions, new business wins and improved operating efficiency in a generally improved market environment. Increased pricing was implemented to offset significantly higher delivered product costs. Adjusted EPS also benefited from lower interest expense and taxes to deliver the attractive adjusted EPS gain.

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COMPENSATION DISCUSSION AND ANALYSIS

As a result of this business environment, performance under our annual incentive plan versus our pre-established performance goals were 119% of target for corporate performance and ranged from 92% to 140% of target for division performance, as illustrated below:

ANNUAL INCENTIVE PLAN

Performance under our 2016-2018 performance-based restricted stock unit grant cycle versus our pre-established adjusted ROIC performance goal was 100% of target, as illustrated below:

Compensation Actions

We took the following actions with respect to our NEOs in 2018:

Compensation Element	2018 NEO Compensation Action
Base salaries	With respect to NEOs who were employed by us in 2017 and 2018, base salaries increased between 2.8% and 6.5% and on average 4% versus 2017, excluding promotions
Annual cash incentives	- Annual cash incentive bonus payouts were between 111% and 134% of target, and averaged 117% of target - Annual cash incentive bonus payout for our CEO was at 119% of target
Long-term incentives	Long-term equity incentive awards, consisting of stock options and

- performance-based
restricted stock
units (“PBRUs”),
were granted in the
same proportion as
prior years and
were within the
median range of
our size-adjusted
competitive market
for each NEO
- For the 2016 to
2018 PBRU grant
cycle, average
award payouts were
at 100% of target
award opportunities

COMPENSATION DISCUSSION AND ANALYSIS

The charts below illustrate our Company's actual performance relative to our pre-established performance goals as well as our actual award payouts as a percentage of target award opportunities for the annual cash and long-term incentive plans:

ANNUAL INCENTIVE PLAN

*Adjusted Diluted EPS is a non-GAAP financial measure that is described in the section starting on page 36 entitled "Adjustments to Reported Financial Results."

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PERFORMANCE-BASED RESTRICTED STOCK UNITS

*Adjusted ROIC is a non-GAAP financial measure that is described in the section starting on page 36 entitled "Adjustments to Reported Financial Results."

Compensation of our Chief Executive Officer

The compensation of our CEO is positioned within the median range of our compensation benchmark and is based on the same design elements and performance standards that are applicable to our other corporate officers. For 2018, the Compensation Committee determined to increase the CEO's base salary by 3%, maintain his target annual incentive opportunity at 150% of base salary, and increase his long-term incentive opportunity from \$10 million to \$10.5 million (a 5% change), which is equally allocated to stock options and performance-based restricted stock units.

COMPENSATION DISCUSSION AND ANALYSIS

The chart below illustrates the increase in target total direct compensation for our CEO for 2018, as well as the total shareholder return for 2018 for the Company and our comparison group.

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CHANGE IN 2018 CEO TOTAL DIRECT COMPENSATION RELATIVE TO 2018 TSR PERFORMANCE

Target total direct compensation represents the sum of base salary, target annual incentive plan opportunity, and long-term incentive grant guideline, as summarized below:

Compensation Practices

Our compensation programs encourage executive decision-making that is aligned with the long-term interests of our stockholders. We tie a significant portion of pay to Company performance over a multi-year period. Our Compensation Committee has incorporated the following market-leading governance features into our executive compensation programs:

Compensation Philosophy	We maintain a market median range compensation philosophy for all elements of total direct compensation, with Committee discretion to position our NEOs appropriately relative to that range based on factors such as tenure, past performance, and future potential
Goal Setting Process	We have in place a robust planning process to establish financial and business performance metrics for incentive plans
Performance Measures	We use different performance measures in our short-term and long-term incentive plans
Stock Ownership	We maintain stock ownership guidelines that encourage executives to retain a significant long-term position in our stock and thereby align their interests with the interests of our stockholders
Change in Control	We have implemented a balanced change-in-control severance policy that provides our officers severance at two times the sum of base salary plus annual incentive pay at target following a change in control and termination of employment (a so-called “double-trigger”), with no tax gross-ups
Risk Mitigation	We employ features to mitigate against our executives taking excessive risk in order to maximize pay-outs, including varied and balanced performance targets, discretionary authority of the Compensation Committee to reduce award pay-outs, bonus caps at 200% of target and a Policy on Reimbursement of Incentive Payments (or so-called “clawback” policy)
Problematic Practices	We do not provide or permit “single-trigger” vesting in event of change in control, hedging or pledging of our Company stock, or backdating or repricing of stock option awards
Employment Agreements	We do not maintain employment agreements with any of our NEOs

COMPENSATION DISCUSSION AND ANALYSIS

The Compensation Committee oversees the design and administration of our executive compensation programs according to the processes and procedures discussed in the Corporate Governance section of this Proxy Statement. The Compensation Committee is advised by an independent compensation consultant, FW Cook.

Pay-Versus-Performance Alignment

We emphasize pay-for-performance and structure our programs to provide incentives for executives to drive business and financial results. We believe that the pay of our executives, particularly our CEO, correlates well with our total shareholder returns; and while our incentive programs help to drive results, they do so without encouraging excessive risk-taking that would threaten the long-term growth of our business.

The Compensation Committee annually evaluates how the amount of cash compensation paid aligns with the Company's size and performance relative to the comparison companies. For purposes of this analysis, composite size and performance is calculated based on various measures of company size, profitability, growth, and total shareholder return. Cash compensation paid represents the sum of actual base salaries and annual bonuses paid for each fiscal year. The chart below illustrates how annual cash compensation paid for the NEOs has been conservative relative to the Company's size and performance over the last five years for which such data was available for the comparison companies as of the date of this Proxy Statement.

PAY-VERSUS-PERFORMANCE LOOK-BACK ANALYSIS – TOTAL ANNUAL COMPENSATION Shareholder Outreach and 2018 Say-on-Pay Results

During 2018, we engaged stockholders holding approximately 50% of our shares concerning a variety of topics, including our executive compensation program. The stockholders did not raise any significant issues with respect to our program. Additionally, at the 2018 Annual Meeting, our stockholders approved on an advisory basis the compensation of our NEOs disclosed in that year's proxy statement, with more than 92% of the total votes cast by holders of shares represented at the meeting voting in favor of our executive compensation proposal. The Compensation Committee took this favorable stockholder support into account in deciding to retain the overall structure and philosophy of our compensation plans and programs in 2018.

COMPENSATION DISCUSSION AND ANALYSIS

Program Elements

The principal elements of our executive compensation programs for 2018 are illustrated below:

COMPONENT	PERFORMANCE PERIOD (YRS)	BASIC DESIGN	PURPOSE
Fixed	Base Salary	1	• Calibrated with the median range of the size-adjusted competitive market • Designed to provide a base wage not subject to company performance risk • Recognizes individual experiences, skills, and sustained performance
	Benefits	1	• Health care, disability, retirement, and other life event market competitive benefits • Same benefits available to our employees except for the executive disability and life benefit and a supplemental retirement benefit
	Perquisites	1	• Private aircraft use policy authorizing the use of private aircraft for business and personal use by the Chairman and CEO, and business use by directors and certain other executives • No tax gross-up • Market competitive practices • Facilitates travel efficiencies • Personal use capped at \$100,000
	Annual Incentive Plan	1	• Actual pay varies between 40% and 200% of target • Uses adjusted diluted earnings per share growth, and for officers managing business units uses business unit revenue and operating income goals • Incentivizes the accomplishment of annual business and individual goals
At Risk	Stock Options	3	• Granted annually • Represents 50% of long-term incentive award opportunity • Vest 33% per year starting on the 1st anniversary of grant date • Aligns pay to performance by linking value to stock price appreciation and shareholder value creation
	Performance-Based Restricted Stock Units	3	• Granted annually • Represents 50% of long-term incentive award opportunity • Actual awarded shares varies between 40% and 100% of target • Aligns a portion of equity compensation to a longer-term strategic financial goal

			• 3-year performance period • Uses 3-year average adjusted return on invested capital • Vest 100% after completion of performance period
Change-in-Control Severance Compensation Policy	--		• Policy may be terminated after two years' advance notice, but may not be terminated within two years after a change in control • Double-trigger • Severance is two times the sum of base salary plus target annual incentive • Pro rata actual annual bonus in year of termination • Outplacement, and continued medical and dental for up to 18 months
Other			• Applies to all elected officers • Promotes continuity, impartiality and objectivity in the event of a change in control to enhance stockholder value

COMPENSATION DISCUSSION AND ANALYSIS

To align pay levels for NEOs with the Company's performance, our pay mix places the greatest emphasis on performance-based incentives. Approximately 91% of our CEO's target total direct compensation (salary, target bonus and the grant date fair value of long-term incentive awards), and approximately 76% of the average target total direct compensation of our other NEOs is performance-based, as summarized below, with equity elements depicted in blue and cash elements depicted in gray:

CEO PAY MIX AVERAGE OTHER NAMED EXECUTIVE OFFICER PAY MIX

Our Analysis

Our analysis indicates that total direct compensation mix for our NEOs on average is generally consistent with the competitive market. The CEO receives a higher proportion of his total direct compensation allocated to performance-based components than non-performance-based components and more allocated to equity-based compensation than cash-based compensation compared to the other NEOs. The higher emphasis on performance-based compensation for the CEO is designed to reward him for driving company performance and creating long-term shareholder value that is a greater responsibility in his position than in the positions of the other NEOs, and is consistent with the competitive market for the CEO position. The level of compensation of our CEO reflects the many responsibilities of serving as CEO of a public company. Accordingly, our CEO's median range competitive pay levels (including long-term equity awards) reflect his broader scope and greater responsibilities compared to our other NEOs.

Compensation Philosophy

Our executive compensation program is designed to meet the following objectives:

- Support our corporate vision and long-term financial objectives
- Communicate the importance of our business results
- Retain and motivate executives important to our success
- Reward executives for contributions at a level reflecting our performance

Our executive compensation program as a whole, as well as each element, is designed to be market-competitive in order to attract, motivate and retain our executives in a manner that is in the best interests of our stockholders. Our executive compensation program is further designed to reinforce and complement ethical and sustainable management practices, promote sound risk management and align management interests (such as sustainable long-term growth) with those of our stockholders. We believe that our long-term equity incentive program, which typically accounts for at least half of our NEOs' total annual compensation, is an effective tool in aligning our executives' interests with those of our stockholders and in incentivizing long-term value creation.

COMPENSATION DISCUSSION AND ANALYSIS

Our philosophy is to position base salary, annual cash incentives, and long-term equity incentives in the median range of our competitive market, adjusted for the Company's size. We define the median range as within 15% of the median for base salaries and within 20% of the median for annual cash incentive targets and long-term incentive targets. For annual cash incentives, our philosophy generally is to also position them at a level commensurate with the Company's performance based on adjusted EPS compared to EPS growth in the Standard & Poor's 500 ("S&P 500"). We position annual cash incentives and long-term incentives to provide lower than median compensation for lower than competitive market performance and higher than median compensation for higher than competitive market performance. This approach provides motivation to executives without incentivizing inappropriate risk-taking to achieve pay-outs, as we believe that the Company's prospects for growth are generally at least as favorable as the average of the S&P 500.

Our Analysis

For 2018, total direct compensation opportunities for all our NEOs were positioned in the market median range. The Compensation Committee has determined to establish total direct compensation opportunities for our CEO toward the high end of the median range in recognition of his long tenure and sustained exceptional performance.

Compensation Process

For our NEOs, the Compensation Committee reviewed and approved all elements of 2018 compensation, taking into consideration recommendations from our CEO (but not for his own compensation), as well as competitive market guidance and feedback provided by the Compensation Committee's independent compensation consultant and our human resources staff regarding individual performance, time in position and internal pay comparisons. The Compensation Committee reviewed and approved all elements of 2018 compensation for our CEO, taking into consideration the Board's performance assessment of the CEO and recommendations, competitive market guidance and feedback from the Compensation Committee's independent compensation consultant and our human resources staff. Recommendations with respect to the compensation of our CEO are not shared with our CEO.

Compensation Benchmarking

For benchmarking purposes, we define our competitive market for compensation data to be a simple average of median compensation from a 20-company comparison group and size-adjusted median general industry data from third-party surveys in which we participate.

The comparison group is selected by the independent compensation consultant based on input from the Company and the Compensation Committee, and is reviewed and approved annually by the Compensation Committee in the spring of each year. The independent consultant utilizes an objective selection process methodology that consists of the following steps:

- Focus on companies in the chemicals, oil & gas equipment & services, and industrial conglomerates industry groups
- Further consider companies in the S&P 500 Energy, Materials, Industrials or Consumer Staples sectors not included in the previous step
- Screen for companies with annual revenues of one-fourth to four times the annual revenues of our Company
- Further screen for companies within a reasonable size range in various other measures such as annual operating income, total assets, total equity, total employees and market capitalization
- Identify companies that meet several other criteria, such as significant international operations, inclusion in the S&P 500, business-to-business focus, and not highly cyclical

COMPENSATION DISCUSSION AND ANALYSIS

The chart below summarizes our Company's percentile ranking versus the 20 companies selected for the comparison group for 2018 based on the above selection criteria:

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COMPARISON COMPANY SIZE COMPARISONS
20-COMPANY COMPARISON GROUP

3M	Danaher	Illinois Tool Works	Praxair
Air Products & Chemicals	Eastman Chemical	LyondellBasell	Roper
Ashland	Emerson Electric	Monsanto	Schlumberger
Baker Hughes a GE Company	General Mills	National Oilwell Varco	Sherwin-Williams
Celanese	Halliburton	PPG Industries	Weatherford International

All financial and market data are taken from Standard & Poor's Capital IQ

The third party general industry surveys used during 2018 were from Aon Hewitt, Willis Towers Watson and FW Cook. For benchmarking 2018 base salary and annual cash incentive compensation, we used the average of size adjusted median compensation data from Aon Hewitt and Willis Towers Watson, as well as median compensation data from the comparison companies. The 2017 Willis Towers Watson CDB General Industry Executive Compensation Survey includes over 500 organizations that range in revenue from approximately \$1 billion to over \$41 billion. We also used the 2017 Aon Hewitt TCM Executive Regression Analysis Survey, which includes over 500 organizations that range in revenue from approximately \$92 million to \$216 billion. For benchmarking long term incentives, we used the average of the median compensation data yielded by the comparison companies, the 2018 Willis Towers Watson CDB General Industry Executive Compensation Survey and the FW Cook 2018 Survey of Long Term Incentives. The 2018 Willis Towers Watson survey has over 700 participants which range in revenue from approximately \$350 million to greater than \$31 billion. The FW Cook survey has 49 participants which range in revenue from over \$3 billion to over \$200 billion.

Base Salaries

The Compensation Committee reviews base salaries for our NEOs and other executives annually in February to be effective as of April 1 of the current fiscal year, and adjustments are based on changes in our competitive market, changes in scope of responsibility, individual performance and time in position. Our philosophy is to pay base salaries that are within the median range of our size-adjusted competitive market. When an executive officer is new to his or her position, his or her initial base salary will likely be at the low end of the median range but, if performance is acceptable, his or her base salary will be increased over several years to arrive at the median.

COMPENSATION DISCUSSION AND ANALYSIS

Salary Increases

For 2017 and 2018, annualized base salary rates for our NEOs are summarized below:

Name	2017	2018	Increase Percentage(1)
	Annualized Base Salary Rate (\$)	Annualized Base Salary Rate (\$)	
Douglas M. Baker, Jr.	1,250,000	1,287,500	3.0%
Daniel J. Schmechel	625,000	655,000	4.8%
Thomas W. Handley	700,000	720,000	2.9%
Timothy P. Mulhere	535,000	570,000	6.5%
Darrell R. Brown	425,000	475,000	11.8%

(1) All increases represent merit increases, except for Darrell Brown. Mr. Brown received an 8.8% promotion increase and a 2.8% merit increase. Amounts do not sum due to rounding.

Our Analysis

For 2018, base salaries accounted for approximately 9% of total compensation for the CEO and 25% on average for the four other NEOs. 2018 base salary rates were within the median range for all of our NEOs. In general, the 2018 merit salary increases for our NEOs were in line with the principles used to deliver the Company's U.S. salary increases broadly.

Adjustments to Reported Financial Results

The Compensation Committee has authority to adjust the reported diluted EPS and ROIC on which incentive compensation payouts are determined in order to eliminate the distorting effect of unusual income or expense items that may occur during a given year and that impact year-over-year growth or return percentages.

For purposes of the adjusted EPS performance measure used in our annual cash incentive program, a reconciliation of 2018 diluted EPS as reported to 2018 adjusted diluted EPS is summarized below:

2018 reported diluted EPS	\$
	4.88
Adjustments:	
Special (gains) and charges	\$
	0.35
Discrete tax net expense (benefit)	\$
	0.02
Adjusted diluted EPS	\$
	5.25

Note: Per-share amounts do not necessarily sum due to rounding. Additional information regarding the composition of the adjustments identified in the table above is contained on pages 33-37 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018.

Reported diluted earnings per share and adjusted EPS for the years 2014 through 2018 are provided in our 2018 Annual Report. We believe that in this context adjusted EPS is a more meaningful measure of the Company's underlying business performance than reported diluted earnings per share because it provides greater transparency with respect to our results of operations and that it is more useful for period-to-period comparison of results. In addition, we use adjusted EPS internally to evaluate our performance and in making financial and operational decisions.

For purposes of the measurement of divisional and business unit performance goals and in the determination of payouts to executives under our annual cash incentive program, the revenue and operating income performance measures are recorded at fixed currency rates of foreign exchange and adjusted for special gains and charges, as well as certain other exceptional items, such as the results of certain businesses acquired during the year and certain strategic initiatives. We include within special gains and charges items that we believe can significantly affect the period-over-period assessment of operating results and not necessarily reflect costs and/or income associated with historical trends and future operating results, as more fully identified on pages 33-34 of our Annual Report on Form 10-K for the fiscal year ended December 31, 2018. We use these measures internally to evaluate our performance and in making financial and operational decisions, including with respect to incentive compensation. We believe that our use of these measures provides greater transparency with respect to our results of operations and that these measures are useful for period-to-period comparison of results.

COMPENSATION DISCUSSION AND ANALYSIS

For purposes of the adjusted ROIC performance measure used in our PBRSU program, we define ROIC as the quotient of after-tax operating income divided by the sum of short-term and long-term debt and shareholders' equity, less cash and cash equivalents. The PBRSU awards provide for adjustment of the ROIC calculation in the event of a large acquisition (such as the Nalco and Champion transactions) or other significant transaction or event approved by the Board. Considering the significant impact of purchase accounting and special gains and charges related to the Nalco and Champion transactions on the ROIC calculation, for the 2019 to 2021 performance cycle, adjusted ROIC is measured excluding the purchase accounting impact and special gains and charges related to these transactions and is also adjusted for acquisitions, accounting or tax changes, gains or losses from discontinued operations, restructurings, and certain other unusual or infrequently occurring charges during the performance period.

This CD&A contains statements regarding incentive targets and goals. These targets and goals are disclosed in the limited context of the Company's compensation programs and should not be understood to be statements of management's expectations or estimates of results or other guidance.

Annual Cash Incentives

The Company maintains an annual cash incentive program for executives referred to as the Management Incentive Plan, or MIP. At its February 2018 meeting, the Committee established the goals described below under the MIP for each NEO's 2018 annual cash incentive award and reviewed the performance of the NEOs and other executives at its February 2019 meeting to determine the 2018 award payments (which were paid in March 2019).

Target Award Opportunities

Under the MIP, we establish annual target award opportunities expressed as a percentage of base salary paid during the year and various award payment limits expressed as a percentage of the target award. Our annual cash incentive targets are set within the median range relative to our competitive market for each position, and the annual cash incentive plan is structured so that lower performance results in below-market payouts and superior performance drives payouts above the median range. For 2018, target award opportunities were within the median range for all our NEOs and ranged from 75% to 150% of base salary. Minimum and maximum payout opportunities ranged from 40% to 200% of target award opportunity, respectively, with no payout for performance below the minimum level specified.

Performance Measures

Under the MIP, we use a mix of overall corporate, business unit and individual performance measures to foster cross-divisional cooperation and to assure that executives have a reasonable measure of control over the factors that affect their awards. This performance measure mix varies by executive position.

Performance Goals and Achievement - Corporate

Under the MIP, several performance goals are used, including goals measuring overall corporate performance as well as goals for specific business unit performance for those executives who are responsible for these business units. Overall corporate performance in 2018 was based on adjusted EPS goals. We believe that adjusted EPS is a better measure of the Company's underlying business performance than reported diluted EPS because it provides greater transparency with respect to our results of operations, which is more useful for period-to-period comparison of results. In addition, a total company measure of performance such as adjusted EPS is used as one of the performance measures with respect to our NEOs who manage particular business units because it reinforces our Circle the Customer -- Circle the Globe strategy and fosters cross-divisional cooperation.

In establishing these goals for 2018, we took into consideration our prior year results, overall economic and market trends, other large companies' performance expectations and our anticipated business opportunities, investment requirements and the competitive situation. For 2018, the adjusted EPS goals were:

Payout at 40% of the target award opportunity (minimum level) at	\$4.82
Payout at 100% of the target award opportunity (target level) at	\$5.14
Payout at 140% percent of the target award opportunity (140% level) at	\$5.37
Payout at 200% of the target award opportunity (maximum level) at	\$5.47 or greater
Payouts for results between performance levels are interpolated on a straight-line basis. Actual 2018 adjusted EPS was \$5.25 resulting in the achievement of the adjusted EPS goal at 119% of target.	

COMPENSATION DISCUSSION AND ANALYSIS

Performance Goals and Achievement – Division

For Mr. Handley, who is our President and Chief Operating Officer, 30% of his annual cash incentive is based upon a 2018 total division operating income goal. For 2018, the total division operating income goals were:

- 0.4% growth over 2017 total division operating income for payout at 40% of the target award opportunity (minimum level)
- 3.8% growth over 2017 total division operating income for payout at 100% of the target award opportunity (target level)
- 4.8% growth over 2017 total division operating income for payout at 140% percent of the target award opportunity (140% level)
- 15.4% growth over 2017 total division operating income for payout at 200% of the target award opportunity (maximum level)

Payouts for results between performance levels are interpolated on a straight-line basis. The 2018 total division operating income grew 3.2% over 2017 total division operating income resulting in the achievement of the total division operating income goal at 92% of target.

For two of our NEOs, namely Messrs. Mulhere and Brown who manage particular business units for us, 70% of their annual cash incentive is based upon their respective 2018 business unit performance goals which are measured against the achievement of revenue and operating income goals. The revenue and operating income goals, which are weighted equally, are set forth below. As Mr. Mulhere served in a corporate staff position for the first six months of 2018, his annual cash incentive is weighted equally between his time spent in each position. The performance goals relative to Mr. Mulhere's corporate staff position are set forth under the heading "Performance Goals and Achievement - Individual" at page 38.

The 2018 revenue goal for Mr. Mulhere was:

- 0.8% growth over 2017 business unit revenue for payout at 40% of the target award opportunity (minimum level)
- 3.4% growth over 2017 business unit revenue for payout at 100% of the target award opportunity (target level)
- 4.6% growth over 2017 business unit revenue for payout at 140% percent of the target award opportunity (140% level)
- 7.5% growth over 2017 business unit revenue for payout at 200% of the target award opportunity (maximum level)

The 2018 revenue goal for Mr. Brown was:

- 0.8% growth over 2017 business unit revenue for payout at 40% of the target award opportunity (minimum level)
- 3.2% growth over 2017 business unit revenue for payout at 100% of the target award opportunity (target level)
- 4.9% growth over 2017 business unit revenue for payout at 140% percent of the target award opportunity (140% level)
- 7.6% growth over 2017 business unit revenue for payout at 200% of the target award opportunity (maximum level)

The 2018 operating income goal for Mr. Mulhere was:

- 0.2% growth over 2017 business unit operating income for payout at 40% of the target award opportunity (minimum level)
- 2.3% growth over 2017 business unit operating income for payout at 100% of the target award opportunity (target level)
- 3.0% growth over 2017 business unit operating income for payout at 140% percent of the target award opportunity (140% level)
- 9.4% growth over 2017 business unit operating income for payout at 200% of the target award opportunity (maximum level)

The 2018 operating income goal for Mr. Brown was:

- 0.6% growth over 2017 business unit operating income for payout at 40% of the target award opportunity (minimum level)
- 3.7% growth over 2017 business unit operating income for payout at 100% of the target award opportunity (target level)
- 4.8% growth over 2017 business unit operating income for payout at 140% percent of the target award opportunity (140% level)
- 23.9% growth over 2017 business unit operating income for payout at 200% of the target award opportunity (maximum level)

No pay out is made with respect to the business unit revenue goal unless the business unit achieves at least the minimum level on its operating income goal. Pay outs for results between these two performance levels are interpolated on a straight line basis. Adjusted as noted above, revenue growth and operating income growth for the business units managed by Mr. Mulhere were 5.3% and 0.0%, respectively, resulting in achievement by Mr. Mulhere of his business unit goal at 100% of target. Revenue growth and operating income growth for the business units managed by Mr. Brown were 6.7% and 3.7%, respectively, resulting in achievement by Mr. Brown of his business unit goal at 140% of target.

Performance Goals and Achievement - Individual

For Mr. Schmechel, who holds a staff position as our Chief Financial Officer, and Mr. Mulhere, who served in the staff position of Executive Vice President and President – Global Enterprise Efficiency for the first six months of 2018 prior to managing the business unit noted above, 30% of their annual cash incentive is based upon attainment of individual performance goals. This component of staff position awards under the MIP is set at 30% of the performance measure mix for annual cash incentives

COMPENSATION DISCUSSION AND ANALYSIS

so that achievement of these goals is a component of the award but remains balanced against achievement of corporate performance goals. The 2018 individual performance objectives for Messrs. Schmechel and Mulhere are specific, qualitative, and achievable with significant effort and, if achieved, provide benefit to the Company. Mr. Schmechel's individual performance goals covered financial, organizational and strategic initiatives, including delivering on financial objectives, developing talent and projects to increase efficient service delivery. Mr. Mulhere's individual performance goals covered organizational and strategic initiatives, including delivering on efficiency and effectiveness projects for the enterprise to drive financial performance and deliver against profitability commitments. Mr. Schmechel achieved 92% of his individual target performance goals and Mr. Mulhere achieved 109% of his individual target performance goals. The Compensation Committee, with input from the CEO, approved annual cash incentives of \$646,700 and \$467,000 for Messrs. Schmechel and Mulhere, respectively, including the component based on their achievement of 2018 individual performance goals. As noted above, Mr. Mulhere's annual cash incentive is weighted equally between the time spent in his manager and staff positions.

2018 Annual Incentive Compensation Pay-Out Summary

Performance Measure Mix

Name	2018 Base Salary Earnings (\$)	MIP				MIP		Pay-Out		
		Target Award Opportunity (% of Base Salary)		Business Unit		Target Pay-Out Level	MIP Performance Achieved	Based on MIP Performance	Compensation Committee Adjustments	
		(%)	EPS	(%)	Individual				(\$)	Actual Payout
Douglas M. Baker, Jr.	1,278,125	150	100			1,917,200	119	2,284,000		2,284,000
Daniel J. Schmechel	647,500	90	70		30	407,925	119	486,000		
						174,825	92	160,700		
								646,700 -		646,700
Thomas W. Handley	715,000	90	70		30	450,450	119	536,600		
						193,050	92	177,500		
								714,100 -		714,100
Timothy P. Mulhere(1)	561,250	75	70/30		30	210,469	119	250,700		
					70	63,141	109	68,900		
						147,328	100	147,400		
								467,000 -		467,000
Darrell R. Brown	471,813	75	30		70	106,158	119	126,500		
						247,702	140	346,900		
								473,400 -		473,400

(1)Mr. Mulhere's annual incentive payout was weighted equally between time spent in a staff position (with 70% based upon achievement of EPS goal and 30% of Individual goal) and managing a business unit (with 30% based upon achievement of EPS goal and 70% of business unit goal).

Discretionary Adjustments

To recognize individual performance, the Compensation Committee also may increase or decrease an NEO's payout from the level recommended by applying the MIP performance metrics, with input from the CEO (other than as to his own award), based on the individual performance of the NEO. This is done to recognize either inferior or superior individual performance in cases where this performance is not fully represented by the performance measures.

The Compensation Committee reviews and approves all adjustments to our overall corporate results and significant adjustments to our business unit performance results. The 2018 annual cash incentive payouts were made in accordance with the overall corporate results and business unit performance results established for the NEOs without adjustment.

Our Analysis

In 2018 the Compensation Committee set the minimum, target and maximum levels of the adjusted EPS component of the annual incentive so that the intended relative difficulty of achieving the various levels is consistent with the past several years, taking into account current prospects and market considerations. Target award opportunities in 2018 accounted for approximately 19% of total compensation on average for the NEOs receiving all elements of our compensation program and were within the median range of our competitive market for each position. Actual award payments for the NEOs averaged 117% of target award opportunities. The 2018 awards payouts are indicative of the strong fixed currency acquisition adjusted sales and earnings per share growth for the Company during the year.

COMPENSATION DISCUSSION AND ANALYSIS

Long-Term Equity Incentives

The Compensation Committee granted long-term equity incentives to our NEOs and other executives in December 2018, consistent with its core agenda and past practice of granting these incentives at its regularly scheduled December meeting. For 2018, our long-term equity incentive program consisted of an annual grant of stock options and PBRsUs, weighted approximately equally in terms of grant value.

Our program continues to be based on pre-established grant guidelines that are calibrated annually to our competitive market on a position-by-position basis for the NEOs. Actual grants may be above or below our guidelines based on our assessment of individual performance and future potential. Generally, long-term equity incentives are granted on the same date as our Compensation Committee approval date and in no event is the grant date prior to the approval date.

Stock Options

Our stock options have a 10-year contractual exercise term from the date of grant and vest ratably over three years. Our stock options have an exercise price which is the average of the high and low market price on the date of grant. We believe that the use of the average of the high and low market price on the date of the grant removes potential same-day stock volatility. We do not have a program, plan or practice to time stock option grants to executives in coordination with the release of material non-public information. From time to time, in addition to our annual grants, we may make special grants of stock options to our NEOs and other executives in connection with promotions and recruitment, and for general retention purposes.

Performance-Based Restricted Stock Units

Our PBRsUs cliff-vest after three years, subject to attainment of three-year average annual adjusted ROIC goals over the performance period. We selected ROIC as the performance measure because it reinforces focus on capital efficiency throughout the organization, is highly correlated with shareholder returns, matches well with our long-standing corporate goal of achieving consistent return on beginning equity and is understood by our external market. The Compensation Committee annually establishes an adjusted ROIC goal for the PBRsUs to determine threshold and maximum payout potential.

With respect to the PBRsUs granted in December 2018 for the 2019 to 2021 performance cycle, 40% of the PBRsUs granted may be earned subject to attainment of a threshold goal of 10% average annual ROIC over the cycle, and 100% of the PBRsUs may be earned subject to attainment of a target goal of 15% average annual ROIC over the cycle, in each case adjusted as described above under the heading “Adjustments to Reported Financial Results” beginning at page 36, with straight-line interpolation for performance results between threshold and target goals. No PBRsUs may be earned if adjusted ROIC is below the threshold goal, and no more than 100% of the PBRsUs may be earned if adjusted ROIC is above the target goal; accordingly, target and maximum are equal. Importantly, the threshold goal exceeds our cost of capital, thereby ensuring that value is created before awards are earned. Excluding the impact of purchase accounting and special gains and charges related to the Nalco and Champion transactions, the Company’s annual adjusted ROIC for 2018 was 20.7%. Dividend equivalents are not paid or accrued on the PBRsUs during the performance period.

Pay-out of Performance-Based Restricted Stock Units Vesting in 2018

The PBRsUs granted by the Committee in December 2015 for the 2016 to 2018 performance cycle were designed and administered in a manner to preserve the federal income tax deductibility of the associated compensation expense by the Company (as further described under the heading “Regulatory Considerations” on page 45). In this connection, the

Compensation Committee established an adjusted ROIC goal for the executive officers to determine maximum payout potential, with the ability to exercise downward discretion to reduce the actual payout in accordance with the adjusted ROIC goals to be applied to a broader group of PBRSU award recipients. For such PBRSUs, the target payout would be earned upon attainment of an average annual ROIC, adjusted as previously described, of 15% over the 2016 through 2018 performance cycle. The PBRSUs vested on December 31, 2018 and the Committee has determined the payout, including with respect to Messrs. Baker, Schmechel, Handley and Mulhere. Consistent with the established formula and definition of adjusted ROIC, the Company's average annual ROIC over the cycle, excluding the impact of purchase accounting and special gains and charges relating to the Nalco and Champion transactions, was 21.0%. Based upon this performance, the Committee approved payout of 100% of the PBRSUs.

COMPENSATION DISCUSSION AND ANALYSIS

Restricted Stock

During 2018, we made special grants of restricted stock units to two of our named executive officers, Mr. Brown in connection with his leadership of our Global Energy business and Mr. Mulhere for our Global Institutional business. Both Mr. Brown and Mr. Mulhere were granted 14,400 restricted stock units in addition to their annual long-term incentive grants. The vesting schedule for both awards is 100% on the fourth anniversary of the date of grant. The restricted stock unit awards were granted for retention purposes in recognition of the importance of these two leaders in providing leadership continuity and to continue to realize the growth opportunity that both of these global businesses represent to the company.

Our Analysis

For the last completed fiscal year, long-term equity incentives accounted for approximately 77% of total target compensation for the CEO and 55% on average for the other NEOs, which is consistent with our competitive market. Actual grants to the NEOs were within the median range for all of our NEOs. Our annual practice of granting equity incentives in the form of stock options and PBRsUs is similar to our competitive market, where other forms of long-term equity and cash compensation are typically awarded in addition to, or in lieu of, stock options. Our selective use of restricted stock or restricted stock units as a retention or recruitment incentive is consistent with our competitive market. We believe that our overall long-term equity compensation cost is within a reasonable range of our competitive market as to our NEOs and also our other employees.

Executive Benefits and Perquisites

Our NEOs participate in all of the same health care, disability, life insurance, pension, and 401(k) benefit plans made available generally to the Company's U.S. employees. In addition, our NEOs are eligible to participate in a deferred compensation program, restoration plans for the qualified 401(k) and pension plans, and, with respect to certain of our NEOs, an executive disability and life benefit and a supplemental retirement benefit. The non-qualified retirement plans supplement the benefits provided under our tax-qualified plans, taking into account compensation and benefits above the IRS limits for qualified plans. The NEOs also receive limited perquisites that are described in more detail in the footnotes to the Summary Compensation Table, including certain allowances and limited perquisites received by Messrs. Brown and Mulhere related to their relocation to the U.S.

The Company has maintained a private aircraft use policy for several years authorizing the use of private aircraft for business and personal use by the Company's Chairman of the Board and Chief Executive Officer and, under certain circumstances, business use by its directors and certain other executives. Under the policy, personal use of private aircraft by the Chairman of the Board and Chief Executive Officer is limited to \$100,000 of unreimbursed usage per year. Additional information with respect to this perquisite is provided in more detail in the footnotes to the Summary Compensation Table.

Our Analysis

We review our executive benefits and perquisites program periodically to ensure it remains market-competitive for our executives and supportable to our stockholders. Our perquisites account for 1.2% of total compensation on average for the CEO and the other NEOs receiving all elements of our compensation program in 2018. Executive benefits and perquisites are consistent with our competitive market.

Executive Change-In-Control Policy

The terms of our Change-In-Control Severance Compensation Policy, including the events constituting a change in control under our policy, are described in Potential Payments upon Termination or Change in Control section of this Proxy Statement. Our policy applies to all elected officers, including the NEOs, except those who are covered by separate change-in-control or similar agreements with the Company or a subsidiary, a circumstance which arises only in the case of an executive having such an agreement with a company we acquire. Such an executive will become covered automatically under the Company's Change-In-Control Severance Compensation Policy when the existing agreements terminate or expire.

Our Analysis

We review our change-in-control protection periodically to ensure it continues to address the best interests of our stockholders. Our analysis indicates that our change-in-control policy, which is structured as a so-called “double-trigger” policy, promotes the interests of stockholders by mitigating executives’ concerns about the impact a change in control may have on them, thereby allowing the executives to focus on the best interests of stockholders under such circumstances.

COMPENSATION DISCUSSION AND ANALYSIS

Stock Retention and Ownership Guidelines

We have in place stock retention and ownership guidelines to encourage our NEOs and other executives to accumulate a significant ownership stake so they are vested in maximizing long-term stockholder returns. Our guidelines provide that the CEO own Company stock with a market value of at least six times current base salary. The Company also requires other corporate officers to own Company stock with a market value of at least three times current base salary. Until the stock ownership guideline is met, our CEO, CFO and President are expected to retain 100% of all after-tax profit shares from exercise, vesting or payout of equity awards. Our other officers are expected to retain 50% of all after-tax profit shares from exercise, vesting or payout of equity awards until their stock ownership guidelines are met. For purposes of complying with our guidelines, stock is not considered owned if subject to an unexercised stock option or unvested PBRSU. Shares owned outright, legally or beneficially, by an officer or his or her immediate family members residing in the same household and shares held in the 401(k) plan count towards meeting the guideline. Our NEOs and other officers may not pledge shares or enter into any risk hedging arrangements with respect to Company stock.

NEO Stock Ownership Relative to Guidelines

The table below illustrates the standing of each of our NEOs in relation to their respective stock ownership guidelines as of December 31, 2018, based on the closing market price of our Common Stock on such date of \$147.35 per share.

Name	2018	Stock Ownership Guideline	Stock Ownership(1)	Multiple of 2018 Base Salary
	Annualized Base Salary (\$)			
Douglas M. Baker, Jr.	1,287,500	6 X salary	682,426	78.7 X salary
Daniel J. Schmechel	655,000	3 X salary	154,096	34.7 X salary
Thomas W. Handley	720,000	3 X salary	128,134	26.2 X salary
Timothy P. Mulhere	570,000	3 X salary	23,771	6.1 X salary
Darrell R. Brown	475,000	3 X salary	10,341	3.2 X salary

(1) Excludes shares underlying unexercised or unvested long-term incentive awards.

Our Analysis

Our analysis indicates that our stock retention and ownership guidelines are consistent with the design provisions of other companies disclosing such guidelines, as reported in public SEC filings and as periodically published in various surveys and research reports. Our analysis further indicates that our NEOs are in compliance with our guidelines either by having achieved the ownership guideline or, if the guideline is not yet achieved, by retaining 100% or 50%, as applicable, of all after-tax profit shares from any stock option exercises or restricted stock unit vesting.

Compensation Recovery

The Company's Board of Directors has adopted a policy requiring the reimbursement of annual cash incentive and long-term equity incentive payments made to an executive officer due to the executive officer's misconduct, as determined by the Board based on the recommendation of the Compensation Committee. Each of our executive officers has agreed in writing to this policy. The policy was amended in February 2019 with respect to future awards to, among other matters, expand the nature of misconduct addressed by the policy and add a financial restatement recovery provision consistent with proposed SEC rules. The original policy was filed with the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2008 as Exhibit (10)W and the amended policy was filed with the Company's Annual Report on Form 10-K for the fiscal year ended December 31, 2018 as Exhibit (10.16).

Both are available along with our other SEC filings at our website at www.investor.ecolab.com/sec-filings.

COMPENSATION DISCUSSION AND ANALYSIS

Regulatory Considerations

We monitor changes in the tax and accounting regulatory environment when assessing the financial efficiency of the various elements of our executive compensation program. We have historically designed and administered our annual cash incentives and long-term equity incentive plans in a manner that is intended to preserve the federal income tax deductibility of the associated compensation expense.

Section 162(m) of the Internal Revenue Code (“Section 162(m)”) generally disallows a tax deduction to a public corporation for compensation over \$1,000,000 paid in any fiscal year to a company’s chief executive officer or other named executive officers (excluding the company’s principal financial officer, in the case of tax years commencing before 2018). However, in the case of tax years commencing before 2018, the statute exempted qualifying performance-based compensation from the deduction limit if certain requirements were met.

Section 162(m) was amended in December 2017 by the Tax Cuts and Jobs Act to eliminate the exemption for performance-based compensation (other than with respect to payments made pursuant to certain “grandfathered” arrangements entered into prior to November 2, 2017) and to expand the group of current and former executive officers who may be covered by the deduction limit under Section 162(m).

In connection with these tax law changes and the increased limitations on the tax deductibility of compensation paid to the NEOs, the Compensation Committee granted the 2018 annual cash incentives under the MIP, which was not structured to satisfy the historical Section 162(m) performance exception requirements, rather than the Management Performance Incentive Plan, or MPIP, which was a stockholder-approved plan designed to satisfy such requirements in previous years.

We intend to preserve the corporate tax deduction of certain equity incentive awards under the transitional rules where possible. However, no assurance can be given that compensation otherwise intended to satisfy the requirements for exemption from Section 162(m) in fact will be exempt from its deduction limits because of ambiguities and uncertainties as to the application and interpretation of Section 162(m). Further, the Compensation Committee reserves the right to modify compensation that was initially intended to be exempt from Section 162(m) if it determines that such modifications are consistent with Ecolab's business needs.

Despite these new limits on the deductibility of performance-based compensation, the Compensation Committee continues to believe that a significant portion of our named executive officers’ compensation should be tied to Ecolab’s performance. Therefore, it is not anticipated that the changes to Section 162(m) will significantly impact the design of our compensation program going forward.

We have designed and administered our deferred compensation, equity compensation and change-in-control severance plans to be in compliance with federal tax rules affecting non-qualified deferred compensation. In accordance with FASB Accounting Standards Codification 718, Compensation - Stock Compensation, for financial statement purposes, we expense all equity-based awards over the service period for awards expected to vest, based upon their estimated fair value at grant date. Accounting treatment has not resulted in changes in our equity compensation program design for our NEOs.

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SUMMARY COMPENSATION TABLE FOR 2018

SUMMARY COMPENSATION TABLE FOR 2018

The following table shows cash and non-cash compensation for the years ended December 31, 2018, 2017 and 2016 for the persons serving as the Company's "Principal Executive Officer" and "Principal Financial Officer" during the year ended December 31, 2018 and for the next three most highly-compensated executive officers who were serving in those capacities at December 31, 2018.

Name & Principal Position	Year	Salary(1) (\$)	Bonus (\$)	Stock Awards(2) (\$)	Option Awards(3) (\$)	Non-Equity Incentive Plan Compensation (1)(4) (\$)	Change in Pension Value and Non-qualified Deferred Compensation Earnings(5) (\$)	All Other Compensation(6) (\$)	Total Compensation (\$)
Douglas M. Baker, Jr. Chairman of the Board and Chief Executive Officer (principal executive officer)	2018		-						
		1,278,125		5,219,567	5,328,337	2,284,000	0	254,004	14,885,033
	2017		-						
		1,237,500		5,006,515	5,247,902	1,856,300	791,404	243,608	14,292,729
	2016	1,187,500	-	4,680,970	4,839,616	1,699,100	1,749,879	193,386	14,349,351
Daniel J. Schmechel Chief Financial Officer and Treasurer (principal financial officer)	2018	647,500	-	944,503	964,176	646,700	317,983	245,620	3,765,482
	2017	618,750	-	901,233	944,605	453,400	896,678	469,764	4,223,625
	2016	581,250	-	886,936	916,988	443,100	444,275	(307,949)	2,924,545
Thomas W. Handley President and Chief Operating Officer	2018	715,000	-	1,043,852	1,065,652	714,100	150,089	115,812	3,884,405
	2017	693,750	-	1,001,356	1,049,568	571,900	375,567	111,652	3,822,225
	2016	661,250	-	985,497	1,018,869	542,800	240,017	102,600	3,521,023
Timothy P. Mulhere(7)(8) Executive Vice President and President – Global Institutional	2018	561,250	-	2,577,560	608,971	467,000	12,312	391,545	4,649,738
	2017	-	-	-	-	-	-	-	-
	2016	-	-	-	-	-	-	-	-
	2018	471,813	-	2,577,560	608,971	473,400	57,751	293,602	4,493,397

Darrell R.
Brown(7)(8)
Executive Vice President
and President – Energy
Services

- (1) Includes amounts deferred under Section 401(k) of the Internal Revenue Code pursuant to the Company's Savings Plan and ESOP, amounts deferred under a non-qualified mirror 401(k) deferred compensation plan maintained by the Company for a select group of executives, and any salary reductions per Section 125 or Section 132(f)(4) of the Internal Revenue Code.
- (2) Represents the aggregate grant date fair value of performance-based restricted stock unit (PBRSU) award grants during the year in accordance with FASB ASC Topic 718, based on the average daily share price of the Company's Common Stock at the date of grant, adjusted for the absence of future dividends, and assuming full (maximum) achievement of applicable performance criteria over the performance period. The PBRSU awards cliff-vest after three years, subject to attainment of three-year average annual return on invested capital goals for the Company over the performance period. See Note 11 to the Company's Consolidated Financial Statements for the year ended December 31, 2018, located at Item 8 of the Company's Annual Report on Form 10-K for the year ended December 31, 2018, for further discussion of the assumptions used in determining these values. See footnote (1) to the "Grants of Plan-Based Awards for 2018" table on page 46 for a description of the specific performance goals for the PBRSU. In addition to their regular PBRSU awards, Messrs. Mulhere and Brown each received a special restricted stock unit award of 14,400 units in May 2018 that are included in the amounts reported for Messrs. Mulhere and Brown in the table above. Both Mr. Mulhere's and Mr. Brown's special restricted stock unit awards were valued at \$1,981,008 and their regular PBRSU awards were valued at \$596,552 in accordance with FASB ASC Topic 718. The special restricted stock unit awards each vest as to 100% of the grant amount on the fourth anniversary of the date of grant, subject to continued employment and the post-termination and change-in-control provisions generally described at pages 54 through 58 under the heading "Potential Payments Upon Termination or Change-in-Control." For additional information about these awards see page 41 under the heading "Restricted Stock".
- (3) Represents the aggregate grant date fair value of stock option grants during the year in accordance with FASB ASC Topic 718 but with no discount for estimated forfeitures. The value of grants has been determined by application of the lattice (binomial)-pricing model. Key assumptions include: risk-free rate of return, expected life of the option, expected stock price volatility and expected dividend yield. See Note 11 to the Company's Consolidated Financial Statements for the year ended December 31, 2018, located at Item 8 of the Company's Annual Report on Form 10-K for the year ended December 31, 2018, for further discussion of the assumptions used in determining these values. The specific assumptions used in the valuation of the options granted in 2018 are summarized in the table below:

Grant Date	Risk Free Rate	Expected Life (years)	Expected Volatility	Expected Dividend Yield
12/04/2018 (all executives)	2.80%	6.15	22.46%	1.16%

SUMMARY COMPENSATION TABLE FOR 2018

- (4) Represents the annual cash incentive awards earned and paid in respect of 2018 under the Company's Management Incentive Plan ("MIP"). The MIP is discussed in the Compensation Discussion and Analysis beginning at page 37 and as part of the table entitled "Grants of Plan-Based Awards for 2018" at page 46.
- (5) Represents the change in the actuarial present value of the executive officer's accumulated benefit under the Company's defined benefit plans as of December 31, 2018 over such amount as of December 31, 2017. The Company's defined benefit plans include the Pension Plan, the Australia Plan, the Mirror Pension Plan and the Supplemental Executive Retirement Plan which are discussed beginning at page 49 and as part of the table entitled "Pension Benefits for 2018." Increases in both the discount rate and lump sum interest rate in 2018 were enough to partially, or in the case of Mr. Baker, fully, offset increases in pension benefits due to higher pay, age and benefit service. Mr. Baker's change in pension benefit is reported as \$0, but was actually negative (-\$656,000). Mr. Brown is an inactive participant in a broad-based pension plan covering certain Australian employees. The change in the actuarial present value during 2018 of Mr. Brown's benefit is primarily attributable to changes in actuarial assumptions and the passage of time and does not reflect any additional accruals for service or compensation in 2018. Mr. Brown's change in pension benefit is accrued in Australian dollars and is reported based on a conversion rate of 1.3697AUD = 1\$U.S. on November 30, 2018, and a conversion rate of 1.3086AUD = 1\$U.S. on November 30, 2017, using pension measurement dates of November 30, 2018 and November 30, 2017, consistent with the Company's assumptions under FASB ASC Topic 715 for financial reporting regarding international retirement plans. There are no "above market" earnings under the Mirror Savings Plan, a non-qualified defined contribution plan, because all earnings under this plan are calculated at the same rate as earnings on one or more externally managed investments available to participants in the Company's broad-based tax-qualified deferred compensation plans. The Mirror Savings Plan is discussed beginning at page 52.
- (6) Amounts reported as All Other Compensation include:
- (a) Payment by the Company of certain perquisites, including costs relating to the following: (i) executive physical examinations for each of the named executive officers except for Mr. Baker; (ii) in the case of Mr. Baker, payment of legal fees for preparation of a Hart-Scott-Rodino notification filing in anticipation of Mr. Baker crossing the notification threshold with respect to his ownership of Ecolab common stock, and \$52,372 for the personal use of corporate aircraft, with incremental cost calculated using a method that takes into account aircraft fuel expenses and engine reserve expense per flight hour, as well as any landing and parking fees, crew travel expenses, on-board catering costs and dead-head flight costs attributable to such use; (iii) in the case of Mr. Mulhere, total costs in the amount of \$99,199 for benefits related to an overseas assignment, including cost of living allowance, auto, home leave, housing utilities, tax preparation; expenses related to relocation to the United States of \$80,776 and gross-up on such amounts of \$25,308; and commuting expenses of \$26,083 and gross-up on such amount of \$16,923; (iv) attendance at incentives trip and gross-ups on such amounts of: Mr. Baker, \$1,705; Mr. Handley, \$1,705; Mr. Mulhere, \$1,319; and Mr. Brown, \$1,319; (v) travel of immediate family members and gross-ups on such amounts of: Mr. Baker, \$94; Mr. Handley, \$100; and Mr. Mulhere, \$165; and (vi) business travel and accident insurance for each of the named executive officers for which no incremental cost is allocated to the named executive officers.
- (b) Pursuant to the Company's tax equalization policy, the Company paid (i) a gross-up of \$19,514 on foreign income on behalf of Mr. Schmechel in connection with income earned during a previous international assignment, with the total amount listed in the All Other Compensation Column also reflecting \$140,438 in foreign taxes paid on Mr. Schmechel's earnings pursuant to the policy; (ii) a gross-up of \$8,646 on foreign income on behalf of Mr. Mulhere in connection with income earned during a previous international assignment, with the total amount listed in the All Other Compensation Column also reflecting \$74,277 in foreign taxes paid on Mr. Mulhere's earnings pursuant to the policy; and (iii) tax preparation fees, and a gross-up of \$40,220 on foreign income on behalf of Mr. Brown in connection with income earned during a previous international assignment, with the total amount listed in the All Other Compensation Column also reflecting \$190,923 in foreign taxes paid on Mr. Brown's earnings pursuant to the policy.
- (c) Payment by the Company of life insurance premiums in 2018 for: Mr. Baker, \$45,982; Mr. Schmechel, \$33,005; and Mr. Handley, \$49,640.

- (d) Payment of matching contributions made by the Company for 2018 as follows: (i) matching contributions made by the Company under the Company's tax-qualified defined contribution 401(k) Savings Plan and ESOP available generally to all employees for: Messrs. Baker, Schmechel, Handley and Mulhere, \$11,000; Mr. Brown, \$15,509; and (ii) matching contributions made or to be made by the Company on base salary and annual cash incentive award earned in respect of 2018 that the executive deferred under a non-qualified mirror 401(k) deferred compensation plan maintained by the Company for a select group of executives, in the following amounts: Mr. Baker, \$131,485; Mr. Schmechel, \$40,768; Mr. Handley, \$46,164; Mr. Mulhere, \$30,130; and Mr. Brown, \$40,279.
- (e) The Company maintains a self-funded, supplemental long-term disability benefit plan for certain executives, which benefits each of Messrs. Baker, Schmechel, Handley, Mulhere and Brown. No specific allocation of cost is made to any named executive officer prior to the occurrence of a disability.
- (7) Messrs. Mulhere and Brown were not NEOs in 2017 and 2016.
- (8) A portion of Mr. Mulhere's salary and allowances in connection with his previous international assignment are denominated in Swiss francs and have been converted into U.S. dollars for reporting in this table based on a conversion rate of .9739 CHF = 1 \$U.S. A portion of Mr. Brown's salary and allowances in connection with his previous international assignment are denominated in Swiss francs, New Zealand dollars and Australian dollars at the rates of 0.9882 CHF = 1 \$U.S., 1.4251 NZD = 1 \$U.S. and 1.3508 AUD = 1 \$U.S., respectively.

GRANTS OF PLAN-BASED AWARDS FOR 2018

GRANTS OF PLAN-BASED AWARDS FOR 2018

op									
		Estimated Future Payouts Under			Estimated Future Payouts Under				
		Non-Equity Incentive Plan Awards			Equity Incentive Plan Awards (1)				
					(3)			All Other Stock Awards: Number of Shares of Stock or Units(2)(3)	All Other Option Awards: Number of Securities Underlying Options(3)(4)
Name	Grant Date	Threshold (\$)	Target (\$)	Maximum (\$)	Threshold (#)	Target (#)	Maximum (#)		
Douglas M. Baker, Jr. (PEO)									
MIP(7)	N/A	766,900	1,917,200	3,834,400	-	-	-	-	-
2010 Stock Incentive Plan	12/04/2018	-	-	-	-	-	-	-	142,507
2010 Stock Incentive Plan	12/04/2018	-	-	-	13,681	34,202	34,202	-	-
Daniel J. Schmechel (PFO)									
MIP(7)	N/A	233,100	582,800	1,165,500	-	-	-	-	-
2010 Stock Incentive Plan	12/04/2018	-	-	-	-	-	-	-	25,787
2010 Stock Incentive Plan	12/04/2018	-	-	-	2,476	6,189	6,189	-	-
Thomas W. Handley									
MIP(7)	N/A	257,400	643,500	1,287,000	-	-	-	-	-
2010 Stock Incentive Plan	12/04/2018	-	-	-	-	-	-	-	28,501
2010 Stock Incentive Plan	12/04/2018	-	-	-	2,736	6,840	6,840	-	-
Timothy P. Mulhere									
MIP(7)	N/A	168,400	421,000	841,900	-	-	-	-	-

2010 Stock Incentive Plan	05/02/2018								14,400
2010 Stock Incentive Plan	12/04/2018	-	-	-	-	-	-	-	16,287
2010 Stock Incentive Plan	12/04/2018	-	-	-	1,564	3,909	3,909	-	
Darrell R. Brown									
MIP(7)	N/A	141,600	353,900	707,800	-	-	-	-	
2010 Stock Incentive Plan	05/02/2018								14,400
2010 Stock Incentive Plan	12/04/2018	-	-	-	-	-	-	-	16,287
2010 Stock Incentive Plan	12/04/2018	-	-	-	1,564	3,909	3,909	-	-

- (1) Amounts reflect the threshold, target and maximum number of shares of Company Common Stock that may be earned pursuant to performance-based restricted stock unit (PBRSU) awards granted in 2018. No PBRsUs may be earned if adjusted ROIC is below the threshold goal, and no more than 100% of the PBRsUs may be earned if adjusted ROIC is above the target goal; accordingly, target and maximum are equal. Dividend equivalents are not paid or accrued during the performance period. See the discussion under the heading "Performance-Based Restricted Stock Units" in the Compensation Discussion and Analysis for more information on these awards, including with respect to the target and maximum performance goals.
- (2) Represents grant of a restricted stock unit award to each of Messrs. Brown and Mulhere. Each award will vest as to 100% of the grant amount on the fourth anniversary of the date of grant. Dividend equivalents are not paid or accrued on unvested shares.
- (3) If a holder terminates employment at or after age 55 with five or more years of continuous employment, stock options held at least six months will become immediately exercisable in full and the service-based vesting conditions on PBRSU awards held at least six months will be deemed satisfied but vesting will remain subject to attainment of the performance goals; all unvested restricted stock unit awards will terminate and be forfeited. A discussion of the consequences of a change in control on outstanding options, PBRSU awards and restricted stock awards begins at page 57 under the heading "Change in Control."
- (4) Options granted in 2018 have a ten-year contractual exercise term and vest (or will be exercisable) over three years, on a cumulative basis, as to one third of the option shares on the first and second anniversaries of the date of grant and as to the remaining option shares on the third anniversary.
- (5) Each of the stock options granted to our named executive officers during the year ended December 31, 2018 and reported in the table above were granted on the same date as our Compensation Committee approval date and have an exercise price which is the average of the high and low market price on the date of grant. We believe that the use of the average of the high and low market price on the date of the grant removes potential same-day stock volatility.
- (6) Represents the grant date fair value of each equity award, computed in accordance with FASB ASC Topic 718. With respect to stock options, the value has been determined by application of the lattice (binomial)-pricing model, based upon the terms of the option grant and Ecolab's stock price performance history as of the date of the grant. Key assumptions include: risk-free rate of return, expected life of the option, expected stock price volatility and expected dividend yield. The specific assumptions used in the valuation of these options are located in footnote (3) to the Summary Compensation Table at page 44. With respect to PBRsUs, the value has been

determined based on the average daily share price of the Company's Common Stock at the date of the grant, adjusted for the absence of future dividends, and assuming the maximum award payout, consistent with the estimate of aggregate compensation cost to be recognized over the three-year vesting period of the award. See footnote (1) above for a description of the performance goals and performance period. With respect to RSUs, the value has been determined based on the average daily share price of the Company's Common Stock at the date of the grant, adjusted for the absence of future dividends.

- (7) The Company maintains an annual cash incentive program for executives referred to as the Management Incentive Plan, or MIP, which is discussed in the Compensation Discussion and Analysis under the headings "Annual Cash Incentives" and "Regulatory Considerations," including detail regarding the MIP performance goals. In the case of the named executive officer participants, the potential payouts that could be earned under the MIP for 2018 and that would be used to guide the Committee's discretion under the MIP are noted in the MIP row of the above table. Actual payouts to each of the named executive officers with respect to 2018 are included under the Non-Equity Incentive Plan Compensation column in the Summary Compensation Table at page 44. Each award is subject to and interpreted in accordance with the terms and conditions of the MIP, and no amount will be paid under the MIP unless and until the Committee has determined the extent to which the applicable performance goal has been met, the corresponding amount of the award earned by the participant and the degree to which the Committee chooses to exercise its permitted discretion under the MIP.

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END FOR 2018

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END FOR 2018

										T N V (\$)
Option Awards						Stock Awards				
			Equity Incentive Plan Awards:				Market Value or Units of Stock That Have Not Vested	Equity Incentive Plan Awards: Number of Unearned Shares, or Other Rights That Have Not Vested(2)	E I P M P O T N	
	Number of Securities Underlying Unexercised Options (#)	Number of Securities Underlying Unexercised Options (#)	Number of Securities Underlying Unexercised Options (#)	Option Exercise Price (\$)	Option Expiration Date	Number of Shares or Units of Stock That Have Not Vested (#)				
Name	Exercisable	Unexercisable(1)								
Douglas M. Baker, Jr. (PEO)	192,100	0	-	55.595000	12/01/21	-	-	-	-	
	195,800	0	-	71.540000	12/05/22	-	-	-	-	
	150,650	0	-	103.265000	12/04/23	-	-	-	-	
	163,139	0	-	107.685000	12/03/24	-	-	-	-	
	173,036	0	-	119.120000	12/02/25	-	-	-	-	
	125,786	62,893	-	117.730000	12/07/26	-	-	41,509	6,	
	57,580	115,162	-	137.087000	12/06/27	-	-	38,003	5,	
	0	142,507	-	158.515000	12/04/28	-	-	34,202	5,	
			-			-	-			
Daniel J. Schmechel (PFO)	15,400	0	-	55.595000	12/01/21	-	-	-	-	
	22,800	0	-	71.540000	12/05/22	-	-	-	-	
	27,980	0	-	103.265000	12/04/23	-	-	-	-	
	32,628	0	-	107.685000	12/03/24	-	-	-	-	
	32,685	0	-	119.120000	12/02/25	-	-	-	-	
	23,833	11,917	-	117.730000	12/07/26	-	-	7,865	1,	
	10,364	20,729	-	137.087000	12/06/27	-	-	6,841	1,	
	0	25,787	-	158.515000	12/04/28	-	-	6,189	9	
Thomas W. Handley	52,200	0	-	71.540000	12/05/22	-	-	-	-	
	43,040	0	-	103.265000	12/04/23	-	-	-	-	
	40,785	0	-	107.685000	12/03/24	-	-	-	-	
	38,452	0	-	119.120000	12/02/25	-	-	-	-	
	26,481	13,241	-	117.730000	12/07/26	-	-	8,739	1,	
	11,516	23,032	-	137.087000	12/06/27	-	-	7,601	1,	

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	0	28,501	-	158.515000	12/04/28	-	-	6,840	1,
Timothy P. Mulhere	11,600	0	-	48.055000	12/01/20	-	-	-	-
	12,500	0	-	55.595000	12/01/21	-	-	-	-
	22,800	0	-	71.540000	12/05/22	-	-	-	-
	21,520	0	-	103.265000	12/04/23	-	-	-	-
	24,471	0	-	107.685000	12/03/24	-	-	-	-
	23,071	0	-	119.120000	12/02/25	-	-	-	-
	15,888	7,945	-	117.730000	12/07/26	-	-	5,243	7
	6,909	13,820	-	137.087000	12/06/27	-	-	4,560	6
	0	16,287	-	158.515000	12/04/28	14,400(3)	2,121,840	3,909	5
Darrell R. Brown	30,762	0	-	119.120000	12/02/25	-	-	-	-
	10,592	5,297	-	117.730000	12/07/26	-	-	3,496	5
	5,758	11,516	-	137.087000	12/06/27	2,800(4)	412,580	3,800	5
	0	16,287	-	158.515000	12/04/28	14,400(3)	2,121,840	3,909	5

(1) Stock options have a ten-year contractual exercise term and vest ratably on the first three anniversaries of the date of grant, subject to the post-termination and change-in-control provisions generally described on page 54 under the heading "Potential Payments Upon Termination or Change in Control."

OUTSTANDING EQUITY AWARDS AT FISCAL YEAR-END FOR 2018

The vesting dates of the respective stock options held at December 31, 2018 that were unexercisable are summarized in the table below:

Name	Option Grant Date	Securities vesting December 2019	Securities vesting December 2020	Securities vesting December 2021	Option Expiration Date
Douglas M. Baker, Jr. (PEO)	12/07/16	62,893	0	0	12/07/26
	12/06/17	57,581	57,581	0	12/06/27
	12/04/18	47,502	47,502	47,503	12/04/28
Daniel J. Schmechel (PFO)	12/07/16	11,917	0	0	12/07/26
	12/06/17	10,364	10,365	0	12/06/27
	12/04/18	8,595	8,596	8,596	12/04/28
Thomas W. Handley	12/07/16	13,241	0	0	12/07/26
	12/06/17	11,516	11,516	0	12/06/27
	12/04/18	9,500	9,500	9,501	12/04/28
Timothy P. Mulhere	12/07/16	7,945	0	0	12/07/26
	12/06/17	6,910	6,910	0	12/06/27
	12/04/18	5,429	5,429	5,429	12/04/28
Darrell R. Brown	12/07/16	5,297	0	0	12/07/26
	12/06/17	5,758	5,758	0	12/06/27
	12/04/18	5,429	5,429	5,429	12/04/28

- (2) Represents performance-based restricted stock unit (PBRSU) awards which cliff-vest after three years, subject to attainment of performance goals over a three-year performance period, and assuming attainment of target (which also represents maximum) performance, as the performance over the prior three-year period has exceeded threshold. In order from top to bottom, the PBRsUs have performance periods of 2017-2019, 2018-2020, and 2019-2021 and will vest on December 31, 2019, December 31, 2020 and December 31, 2021, respectively, and, subject to certification of results by the Compensation Committee, will be paid out in shares of Common Stock no later than March 15 following each vesting date. The awards are subject to the post-termination and change-in-control provisions generally described at pages 54 through 58 under the heading “Potential Payments Upon Termination or Change in Control.” The reported market value of \$147.35 per share is based on the closing market price of the Company’s Common Stock on December 31, 2018.
- (3) Represents grant of a restricted stock unit award to each of Messrs. Brown and Mulhere on May 2, 2018. Each award will vest as to 100% of the grant amount on the fourth anniversary of the date of grant. The awards are subject to the post-termination and change-in-control provisions generally described at pages 54 through 58 under the heading “Potential Payments Upon Termination or Change in Control.” The reported market value of \$147.35 per share is based on the closing market price of the Company’s Common Stock on December 31, 2018.
- (4) Represents grant of a restricted stock unit award to Mr. Brown on May 3, 2017. The award will vest as to 100% of the grant amount on the fifth anniversary of the date of grant. The award is subject to the post-termination and change-in-control provisions generally described at pages 54 through 58 under the heading “Potential Payments Upon Termination or Change in Control.” The reported market value of \$147.35 per share is based on the closing market price of the Company’s Common Stock on December 31, 2018.

OPTION EXERCISES AND STOCK VESTED FOR 2018

Name	Option Awards		Stock Awards	
	Number of Shares Acquired on Exercise	Value Realized on Exercise	Number of Shares Acquired on Vesting	Value Realized on Vesting
	(#)(1)	\$(1)	(#)(2)	\$(2)
Douglas M. Baker, Jr. (PEO)	160,100	17,428,886	38,068	3,609,320
Daniel J. Schmechel (PFO)	14,500	1,568,393	7,191	1,059,594
Thomas W. Handley	42,300	4,256,438	8,460	1,246,581
Timothy P. Mulhere	9,800	1,051,638	5,076	747,949
Darrell R. Brown	11,800	1,318,161	0	0

- (1) Represents the aggregate number of shares and dollar amount realized by the named executive officer upon exercise of one or more stock options during 2018. The dollar amount realized on exercise represents the difference between the fair market value of our Common Stock on the exercise date and the exercise price of the option.
- (2) Represents the performance-based restricted stock unit (PBRSU) shares earned for the 2016-2018 performance period that ended on December 31, 2018 because performance targets were met. The value shown as realized is based on the number of shares earned for the 2016-2018 performance period using the per-share closing market price of our Common Stock of \$147.35 on December 31, 2018, although shares were not issued until Compensation Committee certification of results on February 21, 2019.

PENSION BENEFITS FOR 2018

PENSION BENEFITS FOR 2018

		Eligible for Early Retirement as of Dec. 31, 2018 (1)	Number of Years of Credited Service (#)	Present Value of Accumulated Benefit (\$)	Payments During Last Fiscal Year (\$)
Name	Plan Name				
Douglas M. Baker, Jr. (PEO)	Pension Plan	Y	29.0	1,274,289	0
	Mirror Pension Plan	Y	29.0	16,354,586	0
	Supplemental Executive Retirement Plan	Y	29.0	5,414,267	0
Daniel J. Schmechel (PFO)	Pension Plan	Y	23.0	977,301	0
	Mirror Pension Plan	Y	23.0	3,045,519	0
	Supplemental Executive Retirement Plan	Y	24.35	1,353,119	0
Thomas W. Handley	Pension Plan	Y	15.0	218,553	0
	Mirror Pension Plan	Y	15.0	600,164	0
	Supplemental Executive Retirement Plan	Y	29.10	4,737,725	0
Timothy P. Mulhere	Pension Plan	Y	18.0	668,653	0
	Mirror Pension Plan	Y	18.0	1,752,732	0
	Supplemental Executive Retirement Plan	-	-	-	-
Darrell R. Brown	Australia Plan	Y	15.22	1,549,718	0
	Pension Plan	Y	1.63	15,221	0
	Mirror Pension Plan	Y	1.63	12,217	0
	Supplemental Executive Retirement Plan	-	-	-	-

(1) As cash balance formula participants, Mr. Handley and Mr. Brown would be eligible to receive their vested benefits under the Pension Plan and Mirror Pension upon separation from service.

The Company maintains the following non-contributory defined benefit plans for its executives: (i) a U.S. tax-qualified plan (Pension Plan); (ii) a non-qualified excess plan (Mirror Pension); and (iii) a supplemental executive retirement plan (SERP). Mr. Brown has a pension benefit in The AMP Signature Super - One Ecolab Superannuation Plan (Australia Plan), which covers certain Australian employees of the Company, from a prior employment assignment in Australia. The Australia plan is described in more detail on page 52. Mr. Brown became a participant in the Pension Plan and the Mirror Pension Plan at the time of his transfer to employment in the U.S. on May 16, 2017.

The preceding table shows the actuarial present value of the accumulated benefit for each executive officer under the Pension Plan, the Mirror Pension and the SERP as of December 31, 2018, using the same assumptions as are used by

the Company for financial reporting purposes under generally accepted accounting principles, except that retirement age is assumed to be age 62, the earliest retirement age at which a participant may retire under the plans without any benefit reduction due to age.

The current accrued benefit for U.S. executives is allocated between the tax-qualified Pension Plan and the related supplemental non-qualified plans based on the Internal Revenue Code limitations applicable to tax-qualified plans as of December 31, 2018.

The present value is determined by using a discount rate of 4.36% for the Pension Plan and 4.05% for the Mirror Pension Plan and SERP for 2018 and assuming that the executive officer: (i) terminated employment on December 31, 2018 with vested benefits; and (ii) commenced a retirement benefit at age 62 as a single life annuity or lump sum, if available. The present value of the Pension Plan single life annuity assumed mortality rates from the “RP 2014 Healthy Annuitant Mortality” table, projected back to 2006 with mortality improvement scale MP 2014, and projected forward with scale MP 2018. Mirror Pension and SERP annuities were converted to lump sums, where available, using an interest rate of 3.94% and the mortality rates defined in the Mirror Pension and SERP plans as prescribed in Revenue Ruling 2001-62. Cash balance benefits were valued assuming future interest credits of 3.12% for periods after December 31, 2018. The cash balance annuity conversion for the SERP offset used the interest rate and mortality assumptions prescribed by the IRS under Internal Revenue Code Section 417(e) for 2018 pension lump-sum calculations.

PENSION BENEFITS FOR 2018

Pension Plan - The Pension Plan is a tax-qualified defined benefit plan covering most U.S. employees of the Company and its U.S. affiliates. It is intended to provide long-service employees a foundation for retirement benefits in the form of regular income.

- Participants hired prior to January 1, 2003, including Messrs. Baker, Schmechel and Mulhere, earn monthly pension benefits under the following formula (“traditional formula”): $1/12$ of the sum of: (a) years of credited service times 1% of “final average compensation” plus (b) years of credited service (not exceeding 35) times 0.45% of “final average compensation” minus “covered compensation.” “Final average compensation” is the average of the participant’s annual compensation for the five consecutive calendar years that produce the highest average, counting the participant’s base salary and annual cash incentive compensation for a plan year, excluding any long-term and non-cash incentive bonuses and amounts above the IRS compensation limits for qualified plans. “Covered compensation” is the average Social Security taxable wage base over a 35 year period ending at a participant’s Social Security retirement age.
- Participants hired after 2002, including Mr. Handley and Mr. Brown (following his entry into the Pension Plan on May 16, 2017), accrue an account credit at the end of each year equal to a fixed percentage of the participant’s compensation for that year plus an interest credit applied to the participant’s account balance on the first day of that year (“cash balance formula”). The fixed percentage is either 5% or 3% depending on a participant’s date of entry into the Pension Plan. Mr. Handley’s and Mr. Brown’s cash balance formulas are based on 5% and 3% of compensation, respectively. Compensation used in determining the credits is the participant’s base salary and annual cash incentive compensation for a plan year, excluding any long-term and non-cash incentive bonuses and amounts above the IRS limits for qualified plans.
- Participants become entitled to a non-forfeitable (“vested”) right to their Pension Plan benefit upon completing three years of continuous service with the Company. Normal retirement date is the date on which the participant attains age 65 and has completed at least three years of continuous service.
- Beginning June 1, 2019, traditional formula participants who have terminated employment with the Company may begin to receive benefit payments at any time after termination. For participants retiring on or after age 55, benefits paid in the form of an annuity are reduced by $1/280$ for each month by which payment begins before age 62. Unreduced benefits may begin after attaining age 62. The normal form of benefit is a single life only annuity for participants who are not married and a joint and 50% survivor annuity for married participants. Subject to a spousal consent requirement for married participants, participants may select an actuarially equivalent benefit in one of the following forms: lump-sum payment; single life only annuity; joint and 75% or 100% survivor annuity (married participants only); life and five-year certain annuity; and life and ten-year certain annuity. Alternative benefit reductions and optional payment forms apply for participants who commence payments prior to age 55. If a participant dies after benefit commencement, payments to a beneficiary, if any, are made according to the payment option selected by the participant. If a participant with a vested traditional formula benefit dies before benefit payments commence, the participant’s beneficiary is entitled to a death benefit. If the beneficiary is the participant’s surviving spouse, the benefit is a life annuity. Other beneficiaries receive a five- or ten-year certain-only annuity benefit.
- Cash balance formula participants with at least three years of continuous service may commence benefit payment at any time after termination. The payment will be the actuarial equivalent value of their account balance, determined using the mortality and interest factors prescribed by the IRS. The normal form of benefit for cash balance formula participants is a single life only annuity for participants who are not married and a joint and 50% survivor annuity for married participants. Optional forms of payment for cash balance formula participants are lump-sum payment, single life annuity, and, for married participants only, joint and 75% or 100% survivor annuity. The beneficiary of a cash balance formula participant who dies before commencing benefits will receive a death benefit actuarially equivalent to the participant’s account balance.

Mirror Pension Plan - The Mirror Pension Plan is a non-qualified plan intended to restore benefits under the tax-qualified Pension Plan for those employees whose benefits are reduced by Internal Revenue Code limits. The Mirror Pension has generally the same terms as the Pension Plan except:

- (i) compensation is determined without regard to the IRS limits for qualified plans;
- (ii) vesting is accelerated upon a change in control;
- (iii) benefits may be forfeited for certain serious misconduct; and

PENSION BENEFITS FOR 2018

- (iv) the optional forms of benefits available to participants with respect to benefits accrued and vested as of December 31, 2004 (“Grandfathered Mirror Pension Benefits”) include a lump-sum payment.
 - Benefits accrued or vested after December 31, 2004 are subject to Internal Revenue Code Section 409A (“409A Mirror Pension Benefits”) and are not linked to the Pension Plan. The normal form of 409A Mirror Pension Benefits is a 10-year annual installment payout commencing upon the later of attainment of age 55 or separation from service for traditional formula participants, or upon separation from service for cash balance formula participants, provided that payment to a “specified employee” (corporate officers, including each of the named executive officers) may not commence earlier than six months after separation from service. Optional forms of benefits available to participants include 5-year annual installments, lump sum or an annuity option (single life, life and 5-year certain, life and 10-year certain, and for married participants, joint and 50%, 75% or 100% survivor). Participants were permitted to make a transition election as to an optional form of benefit for their 409A Mirror Pension Benefits before the end of 2008 as permitted under 409A regulations. Any subsequent change in optional form by a participant is subject to the “1-year/5-year rule” which requires that the change be made 12 months before separation from service and must not become effective for 12 months after the election is made (the 1-year rule), and the payment commencement date must be delayed for five years after the date the amounts would otherwise have been paid (the 5-year rule). A participant who elects an annuity option may choose among the various types of annuity forms at any time before benefit commencement.
 - Despite the plan’s normal form of benefit or a participant’s election of an optional form of benefit, the Company will cash out the participant’s Grandfathered Mirror Pension Benefit and/or the participant’s 409A Mirror Pension Benefit in a lump sum if the present value of such portion of the benefit at the time of distribution does not exceed \$25,000.
- SERP - The SERP is a non-qualified supplemental executive retirement plan intended to ensure a pension benefit that replaces a significant portion of the income of certain executives. The maximum SERP benefit equals 2% of final average compensation multiplied by years of credited service (up to 30 years), reduced by the benefits payable under the Pension Plan, the Mirror Pension and 50% of the age 65 Primary Social Security benefit. A participant age 65 with 30 years of service would receive benefits from all three defined benefit plans equal to 60% of final average compensation (less 50% of the age 65 Social Security benefit). For certain executives hired by the Company after age 35 and therefore unable to earn the maximum benefit at age 65, the SERP provides an additional “past service benefit.” The annual past service benefit equals 1% of the difference between final average compensation and annualized earnings at the time of joining the Company (“first year earnings”) multiplied by the difference between the executive’s age at date of hire and 35.
- Material terms of the SERP are similar to those of the Pension Plan except:
 - (i) compensation is determined without regard to the IRS limits for qualified plans;
 - (ii) the SERP benefit vests upon attainment of age 55 and completion of ten years of service or attainment of age 65;
 - (iii) vesting is accelerated upon a change in control;
 - (iv) benefits may be forfeited for certain serious misconduct; and
 - (v) participants hired after age 35 are credited with additional “past service credit” equal to one year for each year by which the executive’s age at date of hire exceeded 35. In addition, the normal form of benefit with respect to SERP benefits accrued and vested as of December 31, 2004 (“Grandfathered SERP Benefits”) is a 15-year certain monthly annuity commencing at age 65, and participants may elect to receive an actuarially equivalent benefit in any of the optional forms of payment available under the Pension Plan or in a lump sum. SERP benefits accrued or vested after December 31, 2004 are subject to Internal Revenue Code Section 409A (“409A SERP Benefits”). The normal form of benefit, election of optional forms of benefit and time of commencement of the 409A SERP Benefits are linked to the Mirror Pension.
 - Despite the normal form of benefit or a participant’s optional form of benefit election, the Company will cash out the participant’s grandfathered SERP Benefits and/or the participant’s 409A SERP Benefits in a lump sum if the present value of such portion of the benefit at the time of distribution does not exceed \$25,000.
 - The Company does not grant extra years of credited service under the Pension Plan or the Mirror Pension Plan except as approved by its Board of Directors. Prior service credits have been approved by the Board in limited

circumstances in connection with a business acquisition or merger, entry into plan participation by employees formerly participating in a union plan while employed with the Company and for employment with the Company before the Pension Plan was adopted in 1972. None of the named executive officers has been granted extra years of service under these plans.

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PENSION BENEFITS FOR 2018

- Messrs. Schmechel and Handley were hired by the Company after age 35 and will benefit from the past service benefit and past service credits under the SERP. The SERP benefit in the above table includes past service benefits for Mr. Schmechel totaling \$120,604 for 1.35 years of past service credit, Mr. Handley totaling \$1,453,941 for 14.10 years of past service credit.
 - In 2010, the SERP was amended to eliminate further benefit accruals after December 31, 2020.
- Australia Pension Plan - The actuarial present value of Mr. Brown's accumulated benefit in the Australia Plan as of December 31, 2018, is \$1,549,718 and is reflected in the Pension Benefits for 2018 table on the line for "Australia Plan". The measurement date of December 31, 2018, and other assumptions used to determine the value of Mr. Brown's benefit, are consistent with those used by the Company for financial reporting purposes under U.S. generally accepted accounting principles. The value of Mr. Brown's current accrued benefit was determined based on a 3.68% discount rate. The benefit payable for Mr. Brown is a lump sum equal to the greater of: (i) an amount determined in accordance with the formula of $R \times PS \times FPS$, where R is either 20% or 15% depending upon a participant's membership category; PS is the period of plan service of the participant completed at the date the participant became a frozen member calculated in complete years, with fractions of a year in complete days counting pro-rata; and FPS is the final pensionable earnings of the participant determined on the date of attaining the normal retiring age; and (ii) twice the participant's own basic contribution account. Mr. Brown's superannuation salary within the Australia Plan will continue to increase at a rate of 3% per annum while he continues his U.S. employment. Ecolab is not required to make contributions for Mr. Brown to the Australia Plan while he continues his U.S. employment. Additionally, his own basic contribution account is currently frozen and no contributions are being credited, but investment earnings are applied.

NON-QUALIFIED DEFERRED COMPENSATION FOR 2018

Name	Executive Contributions in Last FY(1)(2) (\$)	Registrant Contributions in Last FY(1)(2) (\$)	Aggregate Earnings in Last FY (\$)	Aggregate Withdrawals/ Distributions (\$)	Aggregate Balance at Last FYE(3) (\$)
Douglas M. Baker, Jr. (PEO)	164,356	131,485	(181,122)	0	5,197,161
Daniel J. Schmechel (PFO)	180,300	40,768	(86,701)	0	1,439,067
Thomas W. Handley	57,705	46,164	(2,728)	0	2,291,425
Timothy P. Mulhere	37,663	30,130	(40,180)	0	824,354
Darrell R. Brown	53,705	40,279	(1,438)	0	26,271

- (1) Contributions credited in 2018 include deferrals and match on base salary earned in 2018 and annual cash incentive earned in respect of 2018.
- (2) Amounts reported for executive contributions and included in the aggregate balance at year end include the following amounts which were reported as salary in 2018 in the Summary Compensation Table at page 44 and which were deferred by each named executive officer: Mr. Baker, \$50,156; Mr. Schmechel, \$18,625; Mr. Handley, \$22,000; Mr. Mulhere, \$14,313; and Mr. Brown, \$15,833. Amounts reported for executive contributions include the following amounts reported as annual incentive bonus in the Summary Compensation Table at page 44 and which were deferred by each of the following named executive officers: Mr. Baker, \$114,200; Mr. Schmechel, \$161,675; Mr. Handley, \$35,705; Mr. Mulhere, \$23,350; and Mr. Brown, \$37,872. Amounts reported

for registrant contributions are described in more detail in part (ii) of footnote 6(d) to the Summary Compensation Table at page 44.

- (3) Amounts reported in the aggregate balance at last fiscal year end include the following amounts which were reported as compensation to the named executive officer in the Summary Compensation Table in 2007-2018: Mr. Baker, \$2,795,735; Mr. Schmechel, \$556,274 (Mr. Schmechel became a named executive officer in 2012); and Mr. Handley, \$1,018,748 (Mr. Handley became a named executive officer in 2007). Messrs. Mulhere and Brown have not previously been named executive officers.

The Mirror Savings Plan is a non-qualified mirror 401(k) deferred compensation excess plan which enables executives to obtain the benefits of a tax-deferred savings and investment program without regard to limits on compensation and benefits imposed by the Internal Revenue Code on the Company's tax-qualified deferred compensation plans. The plan is unfunded and does not protect the executive from insolvency of the Company. In 2018, participants were permitted to defer a specified percentage of base salary in excess of the Internal Revenue Code compensation limit for tax-qualified plans. For participants entitled to a final average pay benefit or 5% cash balance benefit in the Pension Plan, this percentage was 5%; for participants entitled to a 3% cash balance benefit in the Pension Plan (those entering the Pension Plan after January 1, 2007), the specified percentage was 8%. Participants were also permitted to defer up to 100% of their annual cash incentive compensation for the calendar year. The Company credits a matching contribution for each of the named executive officers participating in the plan. Participants who are entitled to a final average pay benefit or 5% cash balance benefit in the Pension Plan, including Messrs. Baker, Schmechel, Handley, and Mulhere, receive a matching contribution credit equal to: (i) 100% of the amount of

NON-QUALIFIED DEFERRED COMPENSATION FOR 2018

the executive's deferrals that do not exceed 3% of covered compensation, plus (ii) 50% of the executive's deferrals that exceed 3% but do not exceed 5% of the executive's covered compensation. Participants in the Pension Plan who are eligible to accrue a 3% cash balance benefit in the Pension Plan, including Mr. Brown, receive a matching contribution credit equal to: (i) 100% of the amount of the executive's deferrals that do not exceed 4% of covered compensation, plus (ii) 50% of the executive's deferrals that exceed 4% but do not exceed 8% of the executive's covered compensation.

An account is maintained on the Company's books in the name of each participating executive. The account is credited with phantom earnings at the same rate as earnings on externally managed investment funds available to participants in the Company's tax-qualified deferred compensation plans. An executive is allowed to elect the investment fund or funds that will apply and may change the election at any time; provided that: (i) an executive officer is not permitted to elect the Company stock fund, and (ii) effective January 1, 2006, the Company discontinued making its matching contributions to the Company stock fund. The earnings rate applicable to each such investment fund for 2018 is as set forth in the following table:

Fund Name	2018 Earnings Rate (%)
Managed Income Portfolio II – Class 3	2.06
Fidelity Investments Money Market Government Portfolio – Institutional Class	1.76
Fidelity U.S. Bond Index Fund	0.03
Western Asset Core Plus Bond Fund Class IS	(1.47)
State Street Target Retirement Income Non-Lending Series Fund – Class W	(2.79)
State Street Target Retirement 2015 Non-Lending Series Fund – Class W	(3.15)
State Street Target Retirement 2020 Non-Lending Series Fund – Class W	(4.52)
State Street Target Retirement 2025 Non-Lending Series Fund – Class W	(5.89)
State Street Target Retirement 2030 Non-Lending Series Fund – Class W	(6.71)
State Street Target Retirement 2035 Non-Lending Series Fund – Class W	(7.34)
State Street Target Retirement 2040 Non-Lending Series Fund – Class W	(7.91)
State Street Target Retirement 2045 Non-Lending Series Fund – Class W	(8.47)
State Street Target Retirement 2050 Non-Lending Series Fund – Class W	(8.58)
State Street Target Retirement 2055 Non-Lending Series Fund – Class W	(8.58)
State Street Target Retirement 2060 Non-Lending Series Fund – Class W	(8.58)
Janus Henderson Triton Fund – Class N	(5.04)
Fidelity 500 Index Fund	(4.40)
Harbor Capital Appreciation Fund – Institutional Class	(1.03)
Dodge & Cox Stock Fund	(7.07)
Vanguard Extended Market Index Fund – Institutional Plus Shares	(9.35)
American Beacon Small Cap Value Fund – Class Institutional	(15.63)
Dodge & Cox International Stock Fund	(17.98)
Vanguard FTSE All-World Ex-U.S. Index Fund – Institutional Shares	(13.94)
Ecolab Stock Fund	11.02

Participants are always 100% vested in their deferred compensation account and are entitled to receive a distribution in cash upon termination, death or disability. The normal form of distribution with respect to the portion of the account attributable to contributions made before 2005 ("Grandfathered Mirror Savings Benefit") is a single lump sum, but an executive may elect to receive such portion of the account in the form of annual installments over a period not to exceed ten years. The portion of the executive's account attributable to contributions made after 2004 is subject to Internal Revenue Code Section 409A ("409A Mirror Savings Benefit"). The normal form of 409A Mirror Savings

Benefit is a 10-Year Annual Installment payout commencing upon separation from service, provided that payment to a “specified employee” (corporate officers, including each of the named executive officers) may not commence earlier than six months after separation from service. Optional forms of benefits available to participants include 5-year annual installments or a lump-sum payment. Participants were permitted to make a transition election as to an optional form of benefit for their 409A Mirror Savings Benefit before the end of 2008 as permitted under 409A regulations and new participants may make such an election at the time of initial enrollment. Any subsequent change in optional form by a participant is subject to the “1-year/5-year rule” which requires that the change be made 12 months before separation from service and must not become effective for 12 months after the election is made (the 1-year rule), and the payment commencement date must be delayed for five years after it would otherwise be paid (the 5-year rule). Despite the plan’s normal form of benefit or a participant’s election of an optional form of benefit, the Company will cash out the participant’s Grandfathered Mirror Savings Benefit and/or the participant’s 409A Mirror Savings Benefit in a lump sum if the present value of such portion of the benefit at the time of distribution does not exceed \$25,000. Deferrals may be withdrawn during employment only upon an unforeseeable emergency and are limited to the amount needed to satisfy such emergency. Company matching amounts are not available for such in-service withdrawal and are subject to forfeiture for certain serious misconduct.

POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

The Company maintains certain plans, policies and practices covering named executive officers that will require it to provide incremental compensation upon certain types of terminations, including termination due to a change in control of the Company.

Overview – The following discussion describes additional amounts that the Company would pay or provide to a named executive officer or his or her beneficiaries as a result of termination of employment in each of the following situations: voluntary resignation, discharge for cause, discharge without cause, resignation due to constructive discharge, death or disability and change in control of the Company. For purposes of this discussion, estimated benefits are calculated as if the termination and/or change in control occurred on December 31, 2018, PBRSU and RSU awards are valued based on the value of a share of the Company's stock of \$147.35, the closing price on December 31, 2018, and option awards are valued based on the difference between \$147.35 and the per share exercise price of the respective awards

As permitted by SEC rules, the following discussion and amounts do not include the payments and benefits that are not enhanced by the termination of employment or change in control. These payments and benefits are referred to hereafter in this discussion as “vested benefits” and include:

- benefits accrued under the Company's Pension Plan, tax-qualified deferred compensation 401(k) and profit-sharing plan, in which all eligible employees participate;
- benefits provided under a retiree health, and except as specified, a death benefits program, in which all eligible employees participate;
- accrued vacation pay, health and life insurance plan continuation and other similar amounts payable when employment terminates under programs applicable to the Company's salaried employees generally;
- payment of earned annual cash incentive payable if employed through the end of the year described beginning at page 37;
- benefits accrued under the Mirror Savings Plan described in connection with the “Non-Qualified Deferred Compensation for 2018” table beginning at page 52;
- benefits accrued that have vested under the SERP described in connection with the “Pension Benefits for 2018” table beginning at page 49;
- stock options that have vested and become exercisable as described at page 40;
- PBRSU awards that have vested upon completion of the relevant service period and whose payout are subject to the attainment of the relevant performance goals as described at page 40; and
- shares of restricted stock or restricted stock units that have vested as described at page 41.

Voluntary Resignation – The Company is not obligated to pay any amounts in addition to the named executive officer's vested benefits in the event of a voluntary termination of employment, unless the executive's age and years of service qualify for special provisions applicable for retirement under the plans described below.

- **Annual Cash Incentive** – If termination is after age 55 and completion of at least three years of service, the executive would receive payment of a portion of the annual cash incentive under the Company's annual cash incentive program (Management Incentive Plan or “MIP”), which is described in the Compensation Discussion and Analysis beginning at page 37 and as part of the table entitled “Grants of Plan-Based Awards for 2018” beginning at page 46, earned for the year that is proportionate to the portion of the performance period under the Plan that was completed prior to the termination of employment. The earned annual cash incentive payable to such an eligible executive officer for termination on December 31, 2018 would be the full amount of the actual annual cash incentive earned as reported in the Non-Equity Incentive Plan Compensation column of the Summary Compensation Table at page 44.

POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

- Retiree Life Insurance – Certain elected corporate officers who terminate employment at or after: (i) attaining age 55 and completing at least ten years of service or (ii) attaining age 65 are covered by an executive life insurance policy. Under the program, the beneficiary of the retired executive is entitled to a death benefit equal two times the executive's average compensation for the five consecutive years of employment preceding retirement which yields the highest average compensation, subject to the maximum of \$750,000.
- Options – If termination is after: (i) age 55 and (ii) completion of at least five years of service, the executive would be entitled to accelerated vesting for options held at least six months and an extended, post-retirement exercise period of five years (or the remaining term of the options, if shorter).
- PBRsUs – If termination is after: (i) age 55 and (ii) completion of at least five years of service, service-vesting conditions with respect to PBRsU awards held at least six months will be deemed satisfied, but vesting remains subject to the attainment of performance goals.

Messrs. Baker, Schmechel, Handley, Mulhere and Brown would have been entitled to some or all of such special retirement provisions as of December 31, 2018, as follows:

Name	Annual Cash Incentive (\$)	Retiree Life Insurance (\$)	Accelerated Portion of Stock Options Number (#) Value (\$)	Accelerated Portion of PBRsUs(1) Number (#) Value (\$)	Total (excluding Retiree Life Ins.) (\$)
Douglas M. Baker, Jr. (PEO)	2,284,000	750,000	178,050 144,798	79,512 11,716,093	17,044,891
Daniel J. Schmechel (PFO)	646,700	750,000	32,646 65,723	14,706 2,166,929	3,379,352
Thomas W. Handley	714,100	750,000	36,276 28,576	16,340 407,699	3,750,375
Timothy P. Mulhere	467,000	-	21,765 77,166	9,803 1,444,472	2,288,638
Darrell R. Brown	473,400	-	16,812 75,086	7,296 1,075,066	1,823,551

(1) Accelerated vesting of the PBRsUs for each of the named executive officers, assuming full attainment of performance goals, payment after the end of the performance period and a stock price of \$147.35, the closing price on December 31, 2018.

Discharge for Cause – The Company is not obligated to pay any amounts in addition to the named executive officer's vested benefits in the event of a termination of employment for cause. The executive's right to exercise vested options expires and unvested PBRsU and restricted stock unit awards are forfeited upon discharge for cause. Cause under the Company's stock incentive plans includes: (a) deliberate injury or attempted injury related to the Company or any subsidiary, including dishonesty, fraud, misrepresentation, or embezzlement; (b) any unlawful or criminal activity of a serious nature; (c) any intentional and deliberate material breach of duty; or (d) material breach of any confidentiality or non-compete agreement.

An elected corporate officer with qualifying age and years of service would receive coverage under the retiree life insurance program described in the above section entitled "Voluntary Resignation."

Death or Disability – In the event of a termination as a result of death or disability, the named executive officer or his or her beneficiaries would be entitled to the following benefits in addition to his or her vested benefits:

- Executive Long-Term Disability Benefits – Certain executives who become "disabled" will, following a 180-day elimination period, receive payments from the Company equal to 60% of his or her base salary and annual cash incentive, reduced by the benefit paid under the Company's insured long-term disability plan available to all full-time

employees (which is limited to \$15,000 per month). Total disability benefits are limited to \$35,000 per month. An executive is “disabled” during the first 18 months if he or she cannot earn at least 80% of his or her pre-disability compensation at his or her own occupation. After 18 months, the executive is “disabled” if he or she cannot earn at least 80% of his or her pre-disability compensation at any occupation for which he or she is qualified by training, education or experience. Benefits may continue until the executive reaches Social Security Normal Retirement Age, subject to certain minimum lengths of payment. Benefits are limited to 24 months if disability is a result of mental illness that results from any cause, any condition that may result from mental illness, alcoholism which is under treatment, or the non-medical use of narcotics, sedatives, stimulants, hallucinogens or any other such substance.

· Executive Life Insurance – If an executive covered by executive life insurance dies, his beneficiary will receive an insured basic executive death benefit equal to three times the executive’s base salary and target annual cash incentive for the year preceding the death, subject to a maximum benefit of \$9,000,000. If an executive’s death is accidental, the beneficiary would receive an additional accidental death benefit amount equal to the executive death benefit, subject to a maximum of \$6,000,000. If an executive’s death occurs during travel on Company business, the benefit would be increased by three times the executive’s annual compensation for the year preceding the death, subject to a maximum business travel benefit of \$6,000,000.

POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

- Annual Cash Incentive – Payment of the annual cash incentive under the Company’s annual cash incentive program (Management Incentive Plan or “MIP”), which is described in the Compensation Discussion and Analysis beginning at page 37 and as part of the table entitled “Grants of Plan-Based Awards for 2018” at page 46, earned for the year that is proportionate to the portion of the performance period under the Plan that was completed prior to the termination of employment. The earned annual cash incentive payable to each of the named executive officers for termination due to death or disability on December 31, 2018 would be the full amount of the actual annual cash incentive earned as reported in the Non-Equity Incentive Plan Compensation column of the Summary Compensation Table at page 44.
- Options – If employment terminates as a result of death or disability, the vesting of options is accelerated and the post-death/disability exercise period is extended to five years (or the remaining term of the options, if shorter).
- PBRsUs – If employment terminates as a result of death or disability, service-based vesting conditions on PBRsUs will be deemed satisfied, but vesting remains subject to attainment of performance goals.
- Restricted Stock Unit Awards – If employment terminates as a result of death or disability, the vesting of restricted stock unit awards is accelerated.

					Total
					(excluding Executive Life Ins. and Long-Term Disability Benefits)
Name	Executive Long-Term Disability Benefits	Executive Life Insurance	Accelerated Portion of Stock Options Number (#) Value (\$)	Accelerated Portion of PBRsUs(1) and RSUs(2) Number (#) Value (\$)	Value (\$)
Douglas M. Baker, Jr. (PEO)	\$35,000/mo	9,000,000	320,350	113,714	16,755,758
Daniel J. Schmechel (PFO)	\$35,000/mo	4,440,900	58,553	20,895	3,078,878
Thomas W. Handley	\$35,000/mo	4,881,600	64,724	23,180	3,415,573
Timothy P. Mulhere	\$35,000/mo	-	38,077	28,112	4,142,303
Darrell R. Brown	\$35,000/mo	-	33,206	28,405	4,185,477
					4,460,563

(1) Accelerated vesting of the PBRsUs for each of the named executive officers, assuming full attainment of performance goals, payment after the end of the performance period and a stock price of \$147.35, the closing price on December 31, 2018, the last trading day of the year.

(2) Amounts are with respect to PBRsUs for Messrs. Baker, Schmechel and Handley and PBRsUs and RSUs for Messrs. Mulhere (13,712 PBRsUs/\$2,020,463 and 14,400 RSUs/\$2,121,840) and Brown (11,205 PBRsUs/\$1,651,057 and 17,200 RSUs/\$2,534,420).

Discharge Not for Cause: Resignation Due to Constructive Discharge – The Company negotiates severance arrangements on a case-by-case basis if an executive’s employment is terminated involuntarily without cause or if the executive resigns as a result of a constructive discharge. Any such negotiated settlement would require the named executive officer to sign a general release and waiver of claims against the Company and would typically require compliance with confidentiality and non-compete restrictions. Payment of such severance will generally be made in equal installments over regular payroll periods. For purposes of this disclosure, such a negotiated severance is estimated to include payment of up to two years’ base salary and target annual cash incentive for each of the named executive officers listed.

At the discretion of the Compensation Committee, the vesting of options may be accelerated or extended and the exercise period extended. However, no option may remain exercisable or continue to vest for more than two years beyond the date such option would have terminated if not for the Compensation Committee's action, or beyond its expiration date, whichever first occurs.

In addition, the Compensation Committee may, at its discretion, accelerate the vesting of PBRSU and restricted stock unit awards. The PBRSU awards further provide that vesting of the service-based vesting conditions will be accelerated on a pro-rated basis in the event an executive's employment is terminated without cause, with payment of the pro-rated award subject to satisfaction of applicable performance criteria.

In addition, if an executive's position, age and years of service qualify at time of termination, the executive would receive benefits under the same special provisions applicable for retirement as are described in the section entitled voluntary resignation above. As noted in that section, Messrs. Baker, Schmechel, Handley, Mulhere and Brown would have been entitled to such special retirement provisions as of December 31, 2018.

POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

Name	Severance Payments (\$)	Accelerated Portion of Stock Options		Accelerated Portion of PBRsUs(1)		Total Value (\$)
		Number (#)	Value (\$)	Number (#)	Value (\$)	
Douglas M. Baker, Jr. (PEO)	6,437,600	-	-	40,341	5,944,246	12,381,846
Daniel J. Schmechel (PFO)	2,489,000	-	-	7,523	1,108,514	3,597,514
Thomas W. Handley	2,736,000	-	-	8,360	1,231,846	3,967,846
Timothy P. Mulhere	2,047,600	-	-	5,015	738,960	2,786,560
Darrell R. Brown	1,662,600	-	-	3,598	530,165	2,192,765

(1) Accelerated vesting of the PBRsUs for each of the named executive officers, assuming full attainment of performance goals, payment after the end of the performance period and a stock price of \$147.35, the closing price on December 31, 2018.

Change in Control – The Company maintains a Change-in-Control Severance Compensation Policy (the “Policy”) which applies to elected officers (other than assistant officers) of the Company, including each named executive officer listed in the Summary Compensation Table at page 44. The Policy excludes an officer who may otherwise be eligible for coverage but is covered by separate change-in-control or similar agreements with the Company or a subsidiary. The Board of Directors may terminate the Policy after two years’ advance notice, except that the Policy may not be terminated within two years after a change in control has occurred.

The Policy entitles an officer to a severance payment if, within two years following a change in control, the officer’s employment with the Company is terminated without Just Cause (as defined in the Policy) or the officer voluntarily terminates employment for Good Reason (as defined in the Policy). The severance payment is paid in a lump sum equal to the sum of: (i) two times the sum of the officer’s base salary plus target annual cash incentive; plus (ii) a pro-rated portion of the target annual cash incentive for the year of termination. The officer also is entitled to payment of reasonable outplacement service fees up to 20% of base salary, and continuation, for up to 18 months, of medical and dental health coverage at the cost the officer paid prior to termination of employment. The Policy does not provide a gross-up for the 280G excise tax. However, the Policy does provide for a reduction of payments if the Policy results in higher after-tax income to the participant due to 280G excise tax. As a condition of the payment of such benefits, the officer must release the Company from employment-related claims.

The Company’s non-qualified Mirror Pension Plan and Supplemental Executive Retirement Plan discussed under the section entitled “Pension Benefits for 2018” beginning at page 49 provide that the interests of participants shall vest and become non-forfeitable upon a change in control of the Company. Messrs. Baker, Schmechel and Handley each participate in the Mirror Pension Plan and the Supplemental Executive Retirement Plan and Mr. Mulhere participates in the Mirror Pension Plan. Messrs. Baker, Schmechel, Handley and Mulhere are already vested in these benefits.

Upon a change in control, if any outstanding option, PBRsU award or restricted stock unit award is continued, assumed or replaced by the Company or the surviving or successor entity in connection with the change in control, and if within two years after the change in control an executive’s employment or other service is terminated without Cause or is terminated by the executive for Good Reason, then:

- (i) each of the executive’s outstanding options will become exercisable in full and remain exercisable for the remaining term of the option,
- (ii) each of the holder’s unvested restricted stock unit awards and PBRsU awards will fully vest, and
- (iii) any performance goals applicable to the holder’s PBRsU awards will be deemed to have been satisfied to the target level of performance.

If any outstanding option, PBRSU award or restricted stock unit award is not continued, assumed or replaced in connection with the change in control, then the same consequences as specified in clauses (i) through (iii) of the previous sentence will occur in connection with a change in control unless and to the extent the Compensation Committee elects to terminate such options or awards in exchange for a payment with respect to each option or award in an amount equal to the excess, if any, between the fair market value of the shares subject to the option or award immediately prior to the effective date of such change in control (which may be the fair market value of the consideration to be received in the change-in-control transaction for the same number of shares) over the aggregate exercise price (if any) for the shares subject to such option or award (or, if there is not excess, such option or award may be terminated without payment).

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POTENTIAL PAYMENTS UPON TERMINATION OR CHANGE IN CONTROL

For purposes of the Policy and stock incentive plans, the term “change in control” means the occurrence of any of the following events:

- a person or group acquires 25% or more of the Company’s outstanding voting power;
- during any 24 consecutive month period, individuals who constitute the Board on the first day of the period or any new director (other than a director whose initial assumption of office is in connection with an actual or threatened election relating to the election of directors) whose election or nomination for election by the Company’s stockholders was approved or recommended by a vote of at least two-thirds of the directors then still in office who were directors on the first day of such period (or whose election or nomination were previously so approved) shall cease for any reason to constitute at least a majority of the Board of Directors;
- the Company engages in a merger or consolidation, other than a merger or consolidation in which the Company’s voting securities immediately prior to the transaction continue to represent over 50% of the voting power of the Company or the surviving entity immediately after the transaction and in which no person or group acquires 50% or more of the voting power of the Company or surviving entity; or
- the consummation of a plan of complete liquidation or the Company sells all or substantially all of the Company’s assets, other than to an entity with more than 50% of its voting power owned by the Company’s stockholders in substantially the same proportion as their ownership of the Company immediately prior to the sale.

The table below summarizes the maximum additional payments the Company would be obligated to make if a qualifying termination due to a change in control occurred on December 31, 2018.

Name	Severance Payments				Equity Awards					
	Cash Lump Sum (\$)	Accelerated Portion of Pension (\$)(1)	Health Outplacement Fees (\$)	Insurance Premiums (\$)	(A) Total Severance Payments (\$)	(B) Accelerated Portion of Stock Options		(C) Accelerated Portion of PBRSU & RSU Awards		Total Potential Value (\$)(5)
						Number (#)(2)	Value (\$)(3)	Number (#)	Value (\$)(4)	
Douglas M. Baker, Jr.	6,437,600	-	257,500	32,275	6,727,375	320,562	3,044,798	13,714	16,755,758	26,527,931
Daniel J. Schmechel	12,489,000	-	131,000	10,353	2,630,353	58,433	565,723	20,895	3,078,878	6,274,954
Thomas W. Handley	2,736,000	-	144,000	21,741	2,901,741	64,774	628,576	23,180	3,415,573	6,945,890
Timothy P. Mulhere	2,047,600	-	117,000	32,275	2,196,875	38,052	377,166	28,112	4,142,303	6,716,344
Darrell R. Brown	1,662,600	-	95,000	23,860	1,781,460	33,100	275,086	28,405	4,185,477	6,242,023

(1) Represents that portion of the actuarial present value of accumulated pension benefits reported in the “Pension Benefits for 2018” table at page 49 which would become payable upon a change in control as a result of acceleration of vesting.

- (2) Total number of unvested options as of December 31, 2018.
- (3) Represents the difference between the closing price of our Common Stock as of December 31, 2018 (\$147.35) and the exercise price of each option that would be accelerated. All options may be exercised at any time during the three months (or five years if retirement eligible) after employment after the change in control, but not beyond the original ten-year term of the option.
- (4) Represents the value of PBRSU and RSU awards as of December 31, 2018 (\$147.35) that would be accelerated. Amounts are with respect to PBRsUs for Messrs. Baker, Schmechel and Handley and PBRsUs and RSUs for Messrs. Mulhere (13,712 PBRsUs/\$2,020,463 and 14,400 RSUs/\$2,121,840) and Brown (11,205 PBRsUs/\$1,651,057 and 17,200 RSUs/\$2,534,420).
- (5) Represents the sum of amounts in Column (A) Total Severance Payments, (B) Accelerated Portion of Stock Options and (C) Accelerated Portion of PBRSU and Restricted Stock Unit Awards.

PAY RATIO DISCLOSURE

PAY RATIO DISCLOSURE

We are required by SEC rules and regulations to disclose: (i) the annual total compensation for our CEO; (ii) an estimate of the median annual total compensation for a global population consisting of our associates (excluding our CEO) and other individuals whom such rules and regulations deem to be our employees (collectively, our “global employees,” and the global employee having the median of such global employees’ estimated annual total compensation, our “global median employee”); and (iii) the ratio of the annual total compensation for our CEO to the annual total compensation for our global median employee. For the year ended December 31, 2018, the annual total compensation for our CEO was \$14,364,033, as reported in the final column of the Summary Compensation Table at page 44, and the annual total compensation for our global median employee was \$54,285, calculated in accordance with the rules applicable to the Summary Compensation Table. For the year ended December 31, 2018, the annual total compensation for our CEO was 265 times the annual total compensation for our global median employee.

For purposes of identifying our global median employee, in accordance with SEC rules we used the same global median employee for calculating the 2018 ratio as we did for calculating the 2017 ratio, as we believe that there has been no change in our employee population or employee compensation arrangements during 2018 that would significantly impact the pay ratio. For purposes of identifying our global median employee in 2017, we used our global employee population as of November 1, 2017, which consisted of 52,563 total global employees, of whom 21,908 were employed in the United States and 30,655 were employed in foreign jurisdictions. As permitted by SEC rules and regulations, we excluded: (i) leased employees and independent contractors; (ii) approximately 827 employees from the Laboratories Anios, Prochimservice, and Georgia-Pacific Paper Chemicals Business acquisitions that closed in 2017; and (iii) 2,546 employees in the foreign jurisdictions of Uganda (92 employees), South Africa (506 employees), Chile (564 employees), Russia (595 employees), and Indonesia (789 employees). After giving effect to these exclusions, the number of global employees from which our global median employee was identified was 50,017. We used the sum of base salary and commissions for the 12-month period ending October 31, 2017 as the compensation measure that we applied consistently to all global employees, and we annualized this amount for global employees who commenced employment during that period. For global employees paid in currencies other than U.S. dollars, we converted to U.S. dollars using treasury rates as of September 30, 2017. We applied statistical sampling with the assistance of an outside expert to identify the population of global employees with compensation within a 1 percent range around the median. Once this population of global employees was identified, we included all other elements of annual total compensation to determine the global median employee, including, but not limited to, bonus and overtime pay, the grant date fair value of stock and option awards, the actuarial increase in the present value of pension benefits, Company contributions to defined contribution plans, and perquisites.

PROPOSAL 4: STOCKHOLDER PROPOSAL REQUESTING AN INDEPENDENT BOARD CHAIR

PROPOSAL 4: STOCKHOLDER PROPOSAL REQUESTING AN INDEPENDENT BOARD CHAIR

John Chevedden, 2215 Nelson Avenue, No. 205, Redondo Beach, CA 90278, who owns 50 shares of our Common Stock, has notified the Company that he intends to present the following resolution at the Annual Meeting. The Company disclaims any responsibility for the content of this proposal and statement of support, the text of which, in accordance with rules of the Securities and Exchange Commission, is printed verbatim from its submission, with only the modification of the title solely to add the proposal number and to designate that it is a stockholder proposal.

After careful consideration, the Board of Directors unanimously recommends that you vote AGAINST the stockholder proposal set forth below.

STOCKHOLDER PROPOSAL

Proposal 4 – Independent Board Chairman

Shareholders request our Board of Directors to adopt as a policy, and amend our governing documents as necessary, to require henceforth that the Chair of the Board of Directors, whenever possible, to be an independent member of the Board. The Board would have the discretion to phase in this policy for the next Chief Executive Officer transition, implemented so it does not violate any existing agreement.

If the Board determines that a Chairman, who was independent when selected is no longer independent, the Board shall select a new Chairman who satisfies the requirements of the policy within a reasonable amount of time. Compliance with this policy is waived if no independent director is available and willing to serve as Chairman. This proposal requests that all the necessary steps be taken to accomplish the above.

This proposal topic won 50%-plus support at 5 major U.S. companies in 2013 including 73%-support at Netflix. These 5 majority votes would have been still higher if all shareholders had access to independent proxy voting advice.

Stockholder proposals such as this have taken a leadership role in improving the governance rules of our company. As a result of shareholder proposals an 80% Ecolab shareholder vote requirement was eliminated (2011), we no longer have a poison pill (2012) and we have a right to shareholder proxy access (2016).

An independent board chairman would have more time to build up the oversight role of the board of Directors. In 2018 one director received 10-times as many negative votes as a number of other Ecolab directors. And 3 additional directors received 5-times as many negative votes.

An independent Chairman is best positioned to build up the oversight capabilities of our directors while our CEO addresses the challenging day-to-day issues facing the company. The roles of Chairman and CEO are fundamentally different and should be held by 2 directors, a CEO and a Chairman who is completely independent.

Please vote yes:

Independent Board Chairman - Proposal 4

RESPONSE OF THE BOARD OF DIRECTORS

After careful consideration, our Board of Directors recommends that you vote AGAINST this proposal for the following reasons:

This proposal would remove the Board's flexibility to choose its leadership structure

The Board of Directors strongly believes that independent board oversight is vital. The Board also strongly believes that stockholders are best served by not having a fixed policy on whether the offices of Chairman and Chief Executive Officer ("CEO") are to be held by one person or not. If the offices of Chairman and CEO are held by one person, then an independent Lead Director is required under our Corporate Governance Principles. This proposal would remove this flexibility and narrow the governance arrangements that the Board may consider, which could in certain instances be contrary to the best interests of our stockholders.

PROPOSAL 4: STOCKHOLDER PROPOSAL REQUESTING AN INDEPENDENT BOARD CHAIR

As set out under "Corporate Governance — Board Leadership Structure" on page 8, the Board believes that combining our CEO and Chairman offices, along with an independent Lead Director, is the most appropriate leadership structure for the Company and best serves the interests of our stockholders at this time due to numerous factors, including:

- The benefits to the decision-making process with a leader who is both Chairman and Chief Executive Officer;
- The significant operating experience and qualifications of Mr. Baker;
- The size and complexity of our business;
- The significant business experience and tenure of our directors; and
- The qualifications and role of our Lead Director.

Our independent directors and governance best practices provide significant and sufficient oversight of management

The Board believes that this proposal should also be evaluated in the context of our independent Board and Lead Director's effective oversight of management and the Company's governance best practices:

- All of the directors on our Board, except for Mr. Baker, are independent in accordance with the listing standards of the New York Stock Exchange, the rules and regulations of the SEC, applicable law, and the Board's "independence" policy;
- This means that oversight of key matters such as the integrity of Ecolab's financial statements, executive compensation, the nomination of directors and the evaluation of the Board and its Committees, is entrusted to independent directors;
- The independent directors meet in connection with each regularly scheduled Board meeting in separate executive sessions led by the Lead Director and without the CEO present;
- Direct accountability of the Board to stockholders is achieved through the annual election of directors and majority voting in uncontested director elections;
- Our directors have complete access to Ecolab's senior management;
- The Board and each of the Board's committees have the authority to retain independent advisors and consultants;
- As set out under "Corporate Governance — Board Leadership Structure" on page 8, the Lead Director's duties and authorities are substantial and clearly delineated; and
- Our independent Board members drive the annual CEO performance review, as the evaluation is led by the Governance Committee and the evaluation is used by the Compensation Committee in determining the compensation of the CEO.

In accordance with our Corporate Governance Principles, the Board has appointed Jeffrey M. Ettinger as Lead Director. Mr. Ettinger is particularly well qualified to serve as our Lead Director. He is independent and has four years of continuous service on the Board, so he has considerable knowledge of our business. As detailed in Mr. Ettinger's biography and qualifications on page 4, Mr. Ettinger has extensive public company management and board experience. Mr. Ettinger retired from his position as chief executive officer of Hormel in 2016 and currently serves on one other public company board, so he has sufficient time to devote to his duties as Lead Director.

The Company's performance has been strong under the current policy

Our current structure, with roles of Chairman and CEO combined and an independent Lead Director, has led to strong performance and effective controls for shareholders and recognition for doing business the right way. Over the last ten years:

- Our share price has risen 319%, significantly outperforming the Standard & Poor's 500 index, which rose 178% during the same period.
- Our sales have increased 139% over this period, from \$6.138 billion to 14.668 billion.
- Our adjusted diluted earnings per share has increased 182% over this period, from \$1.86 in 2008 to \$5.25 in 2018. Over the same period, our reported earnings per share has increased 171%.

- We have increased our quarterly dividend rate each year during this ten-year period at a compound annual growth rate of 12.3%.

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PROPOSAL 4: STOCKHOLDER PROPOSAL REQUESTING AN INDEPENDENT BOARD CHAIR

We have been widely recognized for being a company that not only performs well, but also works hard to do business the right way. As evidence of this, Ecolab has been named one of the "World's Most Ethical Companies" by Ethisphere magazine for thirteen consecutive years.

This proposal has been rejected by our stockholders twice in the last five years

The proponent made similar proposals in 2014 and 2015. Our stockholders rejected the proposals both times, with more than 80% of votes cast against the proposals. Similar proposals were made at 46 other public companies in 2018, and none of those proposals was approved by stockholders.

In view of our highly independent board structure, strong corporate governance practices and proven track record of success, the Board believes that this stockholder proposal is an unnecessary limitation on the Board's flexibility and would not strengthen the Board's independence or oversight functions.

Board of Directors' Recommendation – The Board of Directors recommends that you vote AGAINST this proposal. Proxies solicited by our Board of Directors will be voted AGAINST the stockholder proposal unless otherwise specified.

Approval of the non-binding stockholder proposal would serve as a recommendation to the Board of Directors to adopt a policy, and to amend other governing documents as necessary to reflect this policy, as set forth in the proposal. As with all proposals, if the stockholder proposal is not properly presented by the proponent at the Annual Meeting, the Company reserves the right not to hold a vote on this proposal at the Annual Meeting.

OTHER MATTERS

OTHER MATTERS

The Board of Directors is not aware of any matters to be presented at the Annual Meeting other than those set forth in this Proxy Statement. If any other business is properly brought before the Annual Meeting or any postponement or adjournment thereof, it is the intention of the proxy holders to vote on such business in accordance with their judgment.

By Order of the Board of Directors

Michael C. McCormick
Executive Vice President, General Counsel
and Secretary
March 18, 2019

General Information

GENERAL INFORMATION

Voting Procedures

Shares Entitled to Vote – As of March 5, 2019, the record date for the meeting, there were 288,366,583 shares of Common Stock outstanding. Each share of Common Stock is entitled to one vote. Common Stock held by Ecolab in our treasury is not counted in shares outstanding and will not be voted.

Quorum – A quorum of stockholders is necessary to hold a valid meeting. The presence in person or by proxy at the meeting of holders of a majority of the outstanding shares of Common Stock entitled to vote at the meeting is a quorum. Abstentions and broker non-votes count as present for establishing a quorum. Common Stock held by Ecolab in our treasury does not count toward a quorum.

Broker Non-Votes – Broker non-votes occur on a proposal when the beneficial owner of Common Stock does not submit voting instructions to a broker or bank. Under New York Stock Exchange rules, brokers, banks and other nominees generally will have discretionary authority to vote shares in absence of instructions on "routine" matters, such as the ratification of the appointment of PricewaterhouseCoopers LLP, and will not have discretion to vote shares on non-routine matters. Other than the appointment of PricewaterhouseCoopers LLP, broker non-votes are not counted as votes cast for any purpose in determining whether a matter has been approved. To ensure that their views are represented at the meeting, we strongly urge all beneficial owners to provide specific voting instructions on all matters to be considered at the meeting to their record-holding brokers.

Treatment of Abstentions – Shares voted "Abstain" will have no effect on the election of directors or on the non-binding vote regarding the threshold to call special stockholder meetings. For the other proposals to be voted on at the Annual Meeting, abstentions are treated as shares present or represented and voting and therefore have the same effect as negative votes.

How to Vote by Proxy – You may vote in person by ballot at our Annual Meeting or by submitting a valid proxy. We recommend you submit your proxy even if you plan to attend the Annual Meeting. If you attend the Annual Meeting, you may vote by ballot, thereby canceling any proxy previously submitted.

Voting instructions are included on your proxy card. If you properly complete your proxy and submit it to us in time to be tabulated, one of the individuals named as your proxy will vote your Common Stock as you have directed. You may vote for or against each proposal, or you may abstain from voting on a proposal. With respect to the election of directors, you may vote for or against each nominee, or you may abstain from voting on the election of one or more nominees.

Revoking Your Proxy – You may revoke your proxy at any time before it is voted by:

- timely delivery of a valid, later-dated proxy, including a proxy given by telephone or Internet;
- timely delivery of written notice to our Corporate Secretary before the Annual Meeting, stating that you have revoked your proxy; or
- voting by ballot at our Annual Meeting.

Vote Tabulation – The vote on each proposal will be tabulated as follows:

Proposal 1: Election of Directors – Each nominee will be elected by a majority of the votes cast in uncontested elections. We currently expect that the election of directors at our meeting will be uncontested. Under the majority voting standard, a nominee must receive a number of "FOR" votes that exceeds 50% of the votes cast with respect to that director's election. Votes cast with respect to a nominee include votes FOR or AGAINST a nominee and exclude

abstentions and broker non-votes.

If an uncontested nominee for director does not receive an affirmative majority of “FOR” votes, he or she will be required to promptly offer his or her resignation to the Board’s independent Governance Committee. That committee will then make a recommendation to the Board as to whether the offered resignation should be accepted or rejected, or whether other action should be taken. The Board will publicly announce its decision regarding the offered resignation and the rationale behind it within 90 days after the election results have been certified. Any director who has so offered his or her resignation will not be permitted to vote on or participate in the recommendation of the Governance Committee or the Board’s decision with respect to his or her resignation.

General Information

Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted FOR the election of the 13 nominees named in this Proxy Statement. If, for any reason, any nominee becomes unavailable for election prior to our Annual Meeting, the proxies solicited by our Board of Directors will be voted FOR such substituted nominee as is selected by our Board of Directors, or our Board of Directors, at its option, may reduce the number of directors to constitute the entire Board.

Proposal 2: Ratification of Appointment of Independent Registered Public Accounting Firm – The affirmative vote of a majority of the total votes cast by holders of shares present in person or represented by proxy at the Annual Meeting and entitled to vote will constitute ratification of the appointment of PricewaterhouseCoopers LLP. Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted FOR ratification of the appointment of PricewaterhouseCoopers LLP.

Proposal 3: Advisory Vote to Approve the Compensation of Executives Disclosed in this Proxy Statement – The affirmative vote of a majority of the total votes cast by holders of shares present in person or represented by proxy at the Annual Meeting and entitled to vote will constitute approval of the compensation of executives disclosed in this Proxy Statement. Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted FOR approval of the compensation of executives disclosed in this Proxy Statement.

Proposal 4: Stockholder Proposal Requesting an Independent Board Chair – The affirmative vote of a majority of the total votes cast by holders of shares present in person or represented by proxy at the Annual Meeting and entitled to vote will constitute approval of the proposal, if properly presented. Unless a contrary choice is specified, proxies solicited by our Board of Directors will be voted AGAINST the proposal.

Discretionary Voting – We are not currently aware of any other business to be acted upon at our Annual Meeting. If, however, other matters are properly brought before the Annual Meeting, or any adjournment or postponement of the Annual Meeting, your proxy includes discretionary authority on the part of the individuals appointed to vote your Common Stock or act on those matters according to their best judgment, including to adjourn the Annual Meeting.

Adjournments – Adjournment of our Annual Meeting may be made for the purpose of, among other things, soliciting additional proxies. Any adjournment may be made from time to time by approval of the holders of Common Stock representing a majority of the votes present in person or by proxy at the Annual Meeting, whether or not a quorum exists, without further notice other than by an announcement made at the Annual Meeting. We do not currently intend to seek an adjournment of the Annual Meeting.

Voting by Plan Participants

Generally, you will receive only one notice, proxy card or voting instruction form covering all the shares you hold:

- in your own name;
- in the Dividend Reinvestment Plan sponsored by Computershare Trust Company, N.A., if any; and
- if you participate in one or more of the following Plans:
 - the Ecolab Savings Plan and ESOP*; or
 - the Ecolab Savings Plan and ESOP for Traditional Benefit Employees*; or
 - the Ecolab Puerto Rico Savings Plan*; or
 - the Ecolab Stock Purchase Plan administered by Computershare Trust Company, N.A.; or
 - the Ecolab Canada Share Purchase Plan administered by Computershare Trust Company of Canada

* If you participate in the Ecolab Savings Plan and ESOP, the Ecolab Savings Plan and ESOP for Traditional Benefit Employees or the Ecolab Puerto Rico Savings Plan, you are entitled to direct the respective plan trustee to vote (or not to vote) the equivalent number of shares of Common Stock credited to your Plan account. Your proxy card will serve

as a voting instruction to the Trustee and if your instructions are timely received, the Trustee will follow your voting instructions. If you do not timely submit your voting instructions, the Trustee will vote your Plan shares in the same proportion as to each respective proposal as the shares for which voting instructions have been received from other Plan participants. To allow sufficient time for voting of your shares by the Trustee, your voting instructions should be received by April 29, 2019 to ensure tabulation.

If you hold Ecolab shares through any other Ecolab plans, you will receive voting instructions from that plan's administrator.

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General Information

Important Notice Regarding the Availability of Proxy Materials

The Notice of 2019 Annual Meeting, Proxy Statement and Annual Report to Stockholders of Ecolab Inc. is available at www.proxyvote.com.

Householding Information

Some banks, brokers and other nominee record holders may be participating in the practice of “householding” proxy soliciting material. This means that you and other holders of our Common Stock in your household may not receive separate copies of the Company’s Proxy Statement or Annual Report. We will promptly deliver an additional copy of either document to any stockholder upon request to: Corporate Secretary, Ecolab Inc., 1 Ecolab Place, Saint Paul, MN 55102; telephone (651) 250-2982; or e-mail investor.info@ecolab.com. If you desire to reduce the number of copies mailed to your household, please contact your bank or broker.

Proxy Solicitation Costs

We will bear the cost of the preparation and solicitation of proxies, including the charges and expenses of brokerage firms, banks or other nominees for forwarding proxy material to beneficial owners. In addition to solicitation by mail, proxies may be solicited by telephone, the Internet or personally. We have retained Georgeson LLC, 1290 Avenue of the Americas, 9th Floor, New York, NY 10104, to aid in the solicitation of proxies for a fee of \$12,000 plus expenses. Proxies may also be solicited by certain directors, officers and employees of the Company without extra compensation.

DIRECTIONS TO THE ECOLAB ANNUAL MEETING

The Ecolab Global Headquarters is located at 1 Ecolab Place in downtown Saint Paul, adjacent to the Landmark Center. There are numerous paid ramps and parking meters within easy walking distance. The closest parking ramps are Treasure Island Center, Lawson Commons, and Kellogg.

Global Headquarters

1 Ecolab Place, St. Paul, MN 55102

www.ecolab.com 1 800 2 ECOLAB

®

ECOLAB
INC.
CORPORATE
SECRETARY
1 ECOLAB
PLACE
SAINT PAUL,
MN
55102-2739

VOTE BY INTERNET - www.proxyvote.com or scan the QR Barcode above.

Use the Internet to transmit your voting instructions and for electronic delivery of information up until 11:59 P.

ELECTRONIC DELIVERY OF FUTURE PROXY MATERIALS

If you would like to reduce the costs incurred by our company in mailing proxy materials, you can consent to receive electronic delivery of future proxy materials by following the instructions above to vote using the Internet and, when prompted, indicate that you agree to receive or access proxy materials electronically.

VOTE BY PHONE - 1-800-690-6903

Use any touch-tone telephone to transmit your voting instructions up until 11:59 P.M. Eastern Time the day before the meeting.

VOTE BY MAIL

Mark, sign and date your proxy card and return it in the postage-paid envelope we have provided or return it to the address on the card.

TO VOTE, MARK BLOCKS BELOW IN BLUE OR
BLACK INK AS FOLLOWS:

KEEP THIS PORTION FOR YOUR
E66113-P18589 RECORDS
DETACH AND RETURN THIS
PORTION ONLY

THIS PROXY CARD IS VALID ONLY WHEN SIGNED AND DATED.

ECOLAB INC.

The Board of Directors recommends you vote FOR each of the nominees listed in proposal 1:

1. Election of Directors.

Nominees: For Against Abstain

1a Douglas M. Baker, Jr.

1b Shari L. Ballard

1c Barbara J. Beck

1d Leslie S. Biller

1e Jeffrey M. Ettinger

1f Arthur J. Higgins

1g Michael Larson

1h David W. MacLennan

1i Tracy B. McKibben

1j Lionel L. Nowell, III

1k Victoria J. Reich

For Against Abstain

1l. Suzanne M. Vautrinot

1m. John J. Zillmer

The Board of Directors recommends you vote FOR management proposals 2 and 3:

2. Ratify the appointment of PricewaterhouseCoopers LLP as independent registered public accounting firm for the current year ending December 31, 2019.

3. Advisory vote to approve the compensation of executives disclosed in the Proxy Statement.

The Board of Directors recommends you vote AGAINST proposal 4:

4. Stockholder proposal requesting an independent board chair, if properly presented.

Please sign exactly as your name(s) appear(s) hereon. When signing as attorney, executor, administrator, or other fiduciary, please give full title as such. Joint owners should each sign personally. All holders must sign. If a corporation or partnership, please sign in full corporate or partnership name by authorized officer.

Signature [PLEASE SIGN WITHIN Date BOX]

Signature Date
(Joint Owners)

Directions to the Ecolab Annual Meeting

The Ecolab Global Headquarters is located at 1 Ecolab Place in downtown St. Paul, adjacent to the Landmark Center. There are numerous paid ramps and parking meters within easy walking distance. The closest parking ramps are Treasure Island Center, Lawson Commons, and Kellogg.

Important Notice Regarding the Availability of Proxy Materials:

The Notice and Proxy Statement and Annual Report are available at www.proxyvote.com.

IF YOU HAVE NOT VOTED VIA THE
INTERNET OR TELEPHONE, FOLD ALONG
THE PERFORATION, DETACH AND RETURN
THE BOTTOM PORTION IN THE ENCLOSED
ENVELOPE.

E66114-P18589

Proxy — Ecolab Inc.

THIS PROXY IS SOLICITED ON BEHALF OF THE BOARD OF DIRECTORS

ECOLAB INC.
ANNUAL MEETING OF STOCKHOLDERS
MAY 2, 2019

The undersigned hereby appoints Douglas M. Baker, Jr., Michael C. McCormick and Timothy A. Beastron, and each of them, with power of substitution to each as proxies to represent the undersigned at the Annual Meeting of Stockholders of Ecolab Inc., to be held in St. Paul, Minnesota, at the Ecolab Global Headquarters at 9:30 a.m. on Thursday, May 2, 2019, and at any adjournment or postponement thereof, and to

vote all shares of stock which the undersigned may be entitled to vote at said meeting as directed on the reverse side with respect to the proposals as set forth in the Proxy Statement, and in their discretion, upon any other matters that may properly come before the meeting.

This proxy will be voted as specified by the undersigned. If no such direction is given, your proxies will have the authority to vote "for" each of the nominees listed in proposal 1, "for" proposals 2 and 3, "against" on proposal 4 and in the discretion of the proxy holder on any other matter that may properly come before the annual meeting and any adjournment or postponement thereof.

The tabulator cannot vote the shares unless you sign and return this card, or you use the telephone or Internet voting services to cast your proxy.

Continued and to be signed on reverse side
