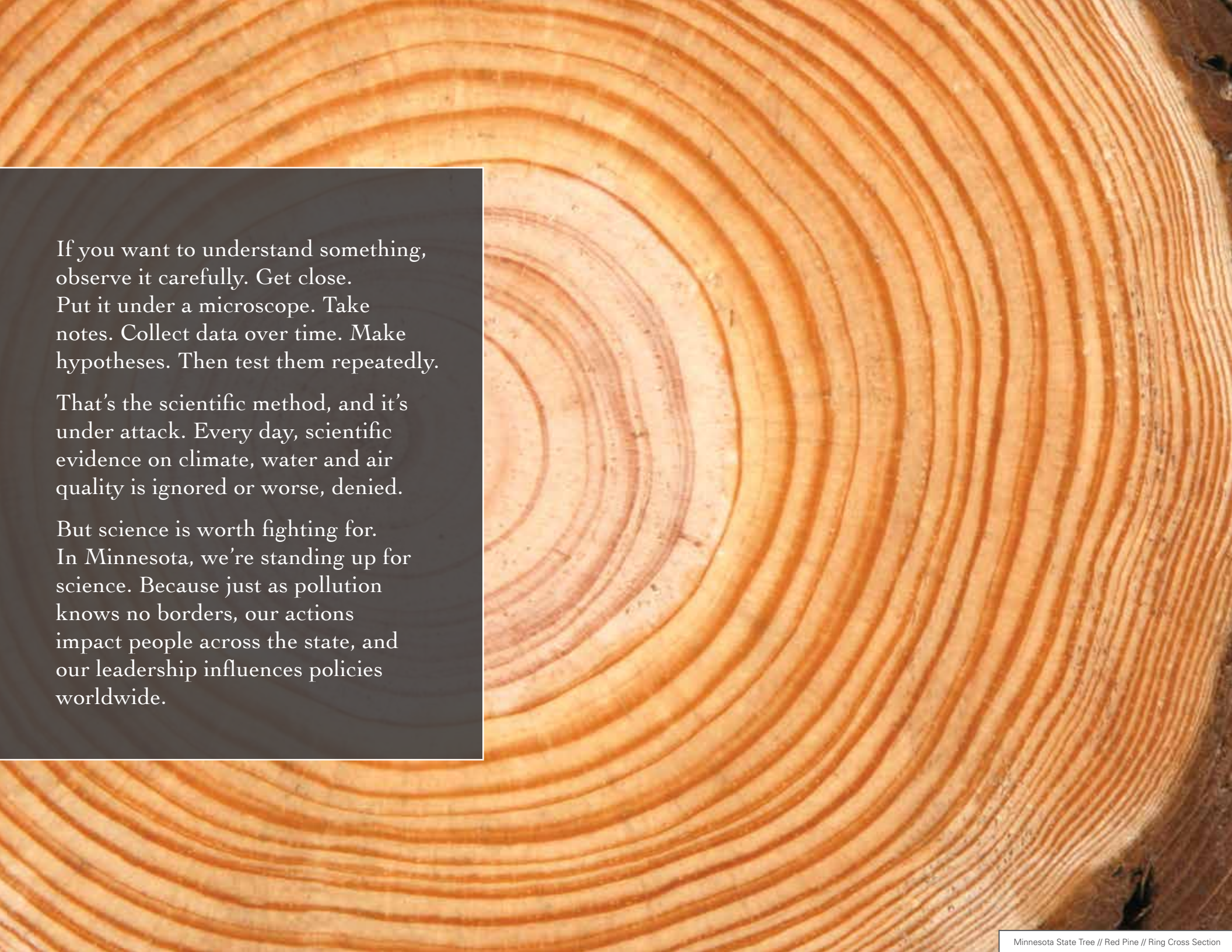




STAND UP FOR SCIENCE

Minnesota Center for Environmental Advocacy
2017 Annual Report



If you want to understand something,
observe it carefully. Get close.
Put it under a microscope. Take
notes. Collect data over time. Make
hypotheses. Then test them repeatedly.

That's the scientific method, and it's
under attack. Every day, scientific
evidence on climate, water and air
quality is ignored or worse, denied.

But science is worth fighting for.
In Minnesota, we're standing up for
science. Because just as pollution
knows no borders, our actions
impact people across the state, and
our leadership influences policies
worldwide.

CLEAR EVIDENCE

Science helps us and our governing bodies make better decisions about our quality of life and our common future.

MCEA's work guarantees science informs our energy future: Using evidence drawn from public health research and other data, MCEA won a 4-year battle in 2017 to ensure that regulators put a price tag on climate change when making decisions about new and retiring fossil fuel-based power plants in Minnesota.

MCEA uses technology to educate leaders: MCEA helped keep Governor Dayton's signature farm run-off buffer law intact by using mapping technology to educate legislators about the real impact of proposed changes on the ground in their own districts.

MCEA partners with scientists to protect water: MCEA worked with experts to help us wade through the scientific research showing the connection between phosphorus pollution and toxic algae blooms, and defend the scientific need for the standards against opponents.

MCEA leads on science-driven decisions on sulfide mining proposals: By partnering with mine engineers, geochemists, and hydrologists, MCEA works to ensure that Minnesota protects the people downstream from pollution.

MCEA STANDS FOR SCIENCE IN TROUBLED TIMES

In the past year, the state and federal laws that protect our water, air and public health have been under assault. Our work at MCEA has never been more challenging. It has also never been more important.

That is why we are launching the "Double or Trouble Campaign: Double Down to Defend Minnesota," asking all of MCEA's donors to double their commitment to MCEA for the next three years, for as long as the Trump administration is in office. MCEA is a 43-year-old organization that helped build the environmental laws that protect Minnesotans, and we will not stand by and allow protections to be rolled back after decades of hard work. We need to redouble our efforts now more than ever. We hope you will join us in this effort.

At MCEA, we stand up for science, and science is based on observable evidence. So, in the spirit of science, we offer evidence of MCEA's effectiveness in our annual report. Please take a moment to read our list of accomplishments over the past year. We want to highlight one of the best examples where MCEA's lawyers and experts went head-to-head with science deniers, and emerged victorious.

Join us in doubling down to defend Minnesota by doubling your support of MCEA for the next three years while the Trump Administration is in office.

This past summer, MCEA and its partners won a four-year battle to assign an accurate dollar value to the damage created by every ton of carbon emitted by Minnesota's utilities. These new, scientifically-supported dollar values are the real cost of climate change. This hard-won victory came after years of hearings, testimony from dozens of expert witnesses, and thousands of attorney hours. Now, the Public Utilities Commission must consider the true costs of climate change when making decisions about new and retiring fossil-fuel based power plants.



At these hearings, MCEA brought forth scientific experts and economists to talk about the cost of climate change. In contrast, the coal companies actually tried to present the case that climate change is not real. Their evidence had all the tell-tale signs of "science denial," including "experts" who had never been published in a peer-reviewed journal, logical fallacies, and cherry-picked data. In the end, science and reason prevailed, and the judge sided with MCEA and its partners, proving that when we stand up for science we can win real environmental progress.

MCEA, with its powerful and knowledgeable staff of lawyers and experts, was made for these times. Over the past year, we have seen that lawyers are the heroes who step in when politicians fail us. Our justice system is designed to protect our rights against infringement. And make no mistake—when we talk about environmental protections, we are talking about rights. We have a right to clean air, clean water, and a climate that will support human civilization as we know it for our children, grandchildren and beyond.

MCEA's science-based advocacy goes well beyond energy. On climate, water quality, transportation, and mining, MCEA is Standing Up for Science. And we are standing for all of our rights to breathe clean air and drink clean water. We hope you will stand with us by doubling your support for MCEA. Your support has never been more important.

Kathryn Hoffman
Chief Executive Officer

Alan Thometz
MCEA Board Chair

2017 ACCOMPLISHMENTS

Using our expertise and resources to influence lawmakers and public perception, MCEA secured durable environmental protections that wouldn't happen otherwise. Among the highlights:

DEFENDING MINNESOTA'S CLIMATE AND AIR

Retiring coal: MCEA represented clean energy allies and won a decision to retire the two largest coal-burning plants in Minnesota. Burning coal is the number one contributor to greenhouse gas emissions and harms public health through air pollution. MCEA convinced the Public Utilities Commission that these units could be safely, cost-effectively, and reliably retired.

Wind power: MCEA worked with partners to double the amount of wind added to Otter Tail Power's system during its next planning period, lock in the retirement of its last Minnesota coal plant, and add solar to its system as part of the replacement package.

Electric vehicles: MCEA and partners have been working on how to integrate electric vehicles into our electricity system to pave the way for aggressive carbon emission reductions. As a result of this work, Xcel Energy is designing a pilot vehicle-charging program that reduces up-front costs for customers.

Pipeline reviews: MCEA's challenges to the Sandpiper pipeline proposal resulted in the requirement that all new pipeline proposals in Minnesota undergo environmental review. Without this hard-won precedent, Enbridge's Line 3 pipeline proposal would have been able to bypass detailed review of the environmental risks.

DEFENDING MINNESOTA'S WATER AND PUBLIC LANDS

Impaired waters: MCEA won improvements to the Minnesota "impaired waters" list, which puts strategies in place to address contaminants in polluted lakes and rivers. Based on our work, four waterways were added in 2017, with more to be included in the future.

Toxic algae: Phosphorus causes toxic algae and is a major contributor to the dead zone in the Gulf of Mexico. MCEA has been working for years to develop and implement a science-based water quality standard for phosphorus, and in 2017 the first permits to include limits on phosphorus were issued.

Protecting rivers and streams: MCEA used its legal, mapping, and communications expertise to appeal the Minnesota Department of Natural Resources' decision to drop 640 miles of waterways from the public waters list. If successful, public water protections will be restored for these rivers and streams, including protection from being ditched or dammed without a permit. Our challenge is currently pending before the Minnesota Court of Appeals.

Updated water pollution permits: After we sued, the Minnesota Pollution Control Agency agreed to replace an outdated, 25-year-old water pollution permit for the Minntac mine with one that meets modern, scientific standards and sets concrete deadlines to reduce pollution.

Defending public lands: MCEA filed a federal lawsuit this year on behalf of public land users and taxpayers, challenging an unfair land exchange that favors PolyMet Mining.

DEFENDING MINNESOTA'S LAWS

Defending existing laws: We defended Minnesota's core environmental laws under attack at the Capitol using an "all hands on deck" approach that brought together MCEA policy, mapping, communication and lobbying expertise.

EVENTS ACROSS MINNESOTA

MCEA brings people together across Minnesota around big ideas that are driving change. From Ely to St. Paul, hundreds of people attended our events in 2017.



Legislative Awards Reception



RegenerateMN Transportation Trending Panel



Womens' Breakfast



Northern Minnesota Conversations



Legally Green Gala: Stand Up for Science



DONORS

960
people donated to MCEA this year

671
people donated less than \$250

289
people donated more than \$250

\$1,558,609
contributed by donors to MCEA in 2017

VOLUNTEERS

77
volunteers

3,819
hours

\$54,335
dollar value

DONORS

MCEA's success is the direct result of the contributions of our donors. We thank them for supporting our mission to use law, science, and research to protect Minnesota's environment, its natural resources, and the health of its people. We recognize individuals and foundations whose contributions from July 1, 2016 to June 30, 2017 totaled \$250 or more. We also recognize and extend a special thank you to White Pine Legacy Circle members who have committed to including MCEA in their will. To join them, please contact Chris Tanita at ctanita@mncenter.org. We apologize for anyone we may have inadvertently missed.

\$10,000 or more

Anonymous (2)
Peter H. Bachman & Janet Rice
Charitable Gift Fund of Gary R. Carlson of The Menonite Foundation
Charles Stewart Mott Foundation
David D. Dayton
Allegra Dengler
The Edward R. Bazinet Foundation
Friends of the Boundary Waters Wilderness
James Hecker
Holhuus Trust
Jay & Rose Phillips Family
Foundation of Minnesota
The John Larsen Foundation
The Joyce Foundation
John Larsen & Mike Stewart
Marbrook Foundation
The McKnight Foundation
Aida R. Messinger
Minnesota Environmental Fund
Open Door Foundation
Patrick & Aimee Butler
Family Foundation
Quectico Superior Foundation
Peter & Anne Reich
Andrew & Cassidy Steiner
Bruce & Julie Steiner
Karen Sternal
Ron Sternal & Nancy Gibson
Robert & Pat Tammen
Campbell Foundation
EcoTrust
W M Foundation
Mary & Jeff Werhalowsky

Henry Reich
Gerry & Nan Snyder
\$1,000-4,999
Anonymous (5)
Adventure North Minnesota
Anonymous Fund of The Minneapolis Foundation
Jeff Anderson
Donna Arbanga
Stanley E. & Georgia M. Redman Fund of The Minneapolis Foundation
Taylor & Sara Harwood
Marvin E. Bauer
Tiger Beaudoin & Linda Unsworth
Jon & Metta Belisle Donor Advised Endowment Fund
Mary E. Horak Binger
Art & Carol Bourgeois
Andy & Bob Bowen
Martha Brand & Jerry Rosen
Ronnie & Roger Brooks Fund of The Saint Paul Foundation
Margy Brownell & Richard Allyn
Terry Carlson & Jeannette Leehr
Deborah Carter-McCoy & Donald McCoy
Harlan Cavert & Linda Odgaard
Steve & Kathy Chesney
Bill & Sharon Clapp
Ted Contag
Dodd & Ann Cosgrove
Stewart & Lesley Crosby
Sheldon & Carol Damberg
Wanda Davies Family Fund of The Minneapolis Foundation
Eric & Cory Dayton
Chuck Dayton & Sara Evans
Douglas & Wendy Dayton Foundation
Doug Devens & Jennifer Raeder-Devens
Lawrence & Ann Downing
Elizabeth I. Goodpaster & Richard A. Duncan, Esq.
Jill & Jonathan Eisenberg
Elmer L. & Eleanor J. Andersen Foundation

\$5,000-9,999

Peter Anson & Sally Ankeny Anson
Paul Egeland
John & Suzanne Gappa
K Foundation
Alexandra Klass & Stephen Warch
Knopf Family Foundation
Steven Leuthold Family Foundation
Tom & Dianne Polasik
Consie & Roger Powell

\$1,000-4,999

Jim & Carey Erkel
Richard N. & Carol C. Flint Fund of The Minneapolis Foundation
Charlotte Forsythe Fund of Headwaters Foundation
Fresh Energy
Mike & Carol Garbisch
Harley Gee
Joseph F. Grinnell & Marjorie V. Grinnell
Jim G. Hagstrom
Jule & Patsy Hannaford
Taylor & Sara Harwood
Ben & Betsy Hawin
Glen Helgeson
Douglas & Paula Hemer
Ellen Herman & Chris Shelton
Brad Thompson & Kathryn Hoffman
Vanja Hogen
Art Holloway-Nahum
Tilroy-Kaammer Fund of HRR Foundation
Catherine & Kim Jackson
John & Thelma James
Donald L. James Fund of the Fidelity Charitable Giving
Frank Janezich
David S. Johnson & Cecilia M. Motzko
Julia Kaemmer
Charles & Emily Kelley
Kurt & Karen Kreienbrink
Michael & Linda Kriel
Peggy Ladner & Cliff Brittain
Lake L'Homme Dieu Association, Inc.
Kris & Dexter Larsen
Thomas Lauria
Kevin Lee & Dee-Dee Clendenning Lee
Lockridge Grindal Nauen
Madigan, Dahl, & Harlan, P.A.
Anne McLaughlin
McNeely Foundation
The Minneapolis Foundation
Lorey & Bob Mitchell
Fred Morris & Connie Noterman
Phil & Lynda Murray
Gwen S. & Mason C. Myers
The Nash Foundation

Charlie Nauen & P.J. Pofahl
Mark Nissen
Elin & Andrew Ohman
Paula Devres, Smith & Dethner, LLC
Lollie Benz Plank
Sara & Joe Pohlad
Alan Polasky & Elizabeth Davis
Irene Qualters
Jacob Reint
Deborah Reynolds
Philip Rieley
Lucy Rogers & Larry Grant Fund of Headwaters Foundation
The Mike & Toni Rosen Family Fund of The Minneapolis Foundation
Patricia Sargent
Tom Schreier
Jaelyn & Jim Schroeder
Michael Shoop & Joyce Prudden
April L. Spas & Krzysztof Barhardt
Frederick & Mary Beth Steiner
David Stephens & Susan Ferron
Paige Stradley
Steven Pincus & Michelle Strangis
Mark F. Ten Eyck & Laura Anderson
Alan & Elaine Thometz
G. David & Catherine Tilman
William H. & Mary P. Uppjohn
Kerry Walsh & Tom Meyer
Sue & John Weitz
David Knoblauch & Barbara Welke
Charitable Fund
WAPOA - Whitefish Area Property Owners Association
Allison Wolf & Gerald Wilhelm
Thomas & Jen Wilson
Matt & Jennifer Wilson
Steve Wilson
Fred & Eleanor Winton
Wiz & Jane Wyatt
Zelle LLP

\$500-999

Anonymous (2)
Laur Anderson
Mary Anderson
Aveda Corporation
Bank Cherokee
James & Kristin Bender
Kerrie Blevins & Mike Walstrom
Steve & Iris Borowsky
Peter K. Butler
Eric Janits & Carolyn Chalmers
Janette Beimmer & Rick Cool
Kari Cooper
Chris & Gretchen Cudak
Dan Davenport & Jason Maxwell-Wiggins
Edward Dayton Family Fund
Michael & Tammy Dayton
Chuck & Joan Diersner
Helen Dunisa
Douglas & Sarah Trom Eays
Ken Engelhart
Sue Engstrom
Bill Evans
Eric Johnson & Jill Fedje
Charles & Anne Ferrell
Steven Foides & Riv-Ellen Prell
Richard & Mary Fowler
Wesley & Linda Gibson
Jane Godfrey & Roger Ruegg
John Goodhill
Janet & John Green
Andrew Gross
Eric Gowerder & Rebecca Shult
Noah & Jennifer Hall
Eric Halverson
Thane & Blanche Hawkins
John & Linda Helland
John & Kelly Henry
Sarah & Jacques Hobbie
Tony & Diane Hofstede
Sara Holmdahl
Eliza Horst
Birchwood Financial Partners
Kathleen Jones
Douglas A. Kelley
Timothy Kelly & Ann Nugent Kelly
Charitable Fund
David Knoblauch & Suzie Woodrich
Mehmet & Christine Konar-Steenberg
John & Barbara Krenn
Lake Carlos Area Association
James & Susan Lenfestey
Brett Leske
Margaret Levin
Gail I. Lovellian
David & Sarah Lijja
Jim Lockhart
Mike Menzel
Michael Meyer
Kristen Moline
Thomas Nelson
Todd & Martha Nicholson Fund
Nicholson Family Foundation
Jesse S. Okie & Mary Harrington
Thomas & Sally Patterson
Sara & Jeff Peterson
Stephan & Ann Plbaum
Lorell Pickett
Steve & Nancy Piragis
Ann Possie
Steve Ring & Molly Redmond
Bob & Beth Reinhart
Angela M. Bohmann & Jonathan Riehle
Jeffrey & Sharon Rome
Stephen & Kris Rose
Mary Ruch

Matt & Jennifer Samuel
Sage & Jay Shy Blue Waters
Robert Secor
Theo Sigford
Paul & Erika Siz
Steve & Cindy Snyder
Bruce Snyder
Tom Rasseier & Barbara Steiner
G. "Sam" & Dean Sunderlin
Jan B. Swanson
Mark Thompson
Susan Gretz
Todd & Mary Hall
Craig & Karen Hansen
Monta Hayner
Andrew Hedberg
Linda Henneman & Paul Ragozzino
Cecily Hines & Tom Pettus
Emilie Hitch
Anne Hoppie
Melissa & Mark Horton
Don & Mary Smith
Gregory Salberg
Margaret Sorensen
Lynne E. Stanley & Christopher A. Elliott
Tim Steenlund
Anne Stewart Uehling
John Sullivan
Carolyn Sundquist
Betty Tisel & Sarah Farley
Walt McCarthy & Clara Ueland
Amelia Yobis
David & Kara Walter
Graey & John Waugh
Dr. Philip & Carol Westbrook
Lawrence & Mary Whitaker
David & Suzanne White
Carolyn & Mark Wolksi
Heather Worthington
Greg Yankowiak
The Zaccaros

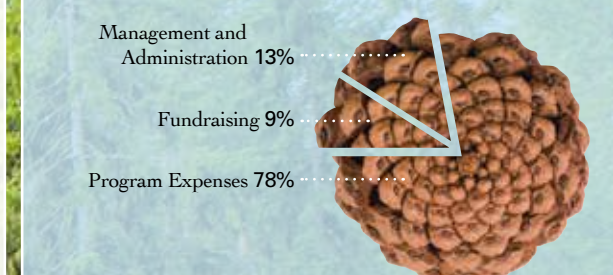
\$250-499

Anonymous (5)
Allmann/Gorka Household
Laura Andersen
Peggy Bach
Matt Barnes
Carol & Will Bauller
Rob & Ginnie Beattie
Bernie & Patricia Beaver
Rita Doucet & Tom Beer
Sisters of the Carondelet
Social Justice Committee
Tom & Margit Berg
Rep. David Bly
Gerald & Denise Bonde
Susan Bonne
Helen Booth-Tobin
Gretchen Bratvold
Tom Braun & Felicity Britton
Carroll C. Brooks
Elton & Emily Brown
Robert Bruininks & Susan Hagstrum
J. Mark Catron
Erin Christensen
Merritt Clapp-Smith & Craig Smith
Katie Collins
Craig & Jody Cooper
Amanda Cotton
Andy & Mary Coulter
Page & Jay Cowles
Leigh & Peter Currie
Sharon Decker & Patrick DiBartolomeo
Paula & Cy DeGross
Michael & Mandy Dumpsy
Bob & Bette Dunn
Julia Eagles
Environmental Initiative
Ronald Erhardt
Robert & Sandra Erickson

SOURCES OF SUPPORT



OUTGOING EXPENSES



BOARD
ALAN THOMETZ, *Chair*
Kacet LLC
FRED MORRIS, *Vice Chair*
Retired Lawyer
SARA THURIN ROLLIN, *Secretary*
Consultant
DOUG HEMER, *Treasurer*
Retired CFO

LARRY DOWNING
Retired Lawyer
LEILI FATEHI
Founder, Apparatus
ALEXANDRA KLASS
Distinguished McKnight University
Professor
MEHMET KONAR-STEENBERG
Assoc. Dean & Professor
JANE KRENTZ
McVay Youth Partnership
DAVID MINGE
Retired Judge

PETER REICH
Regents Professor
HALSTON SLEETS
Senior Policy Aide
ANDREW STEINER
VP, Ameripride Services
PAIGE STRADLEY
Lawyer, Merchant & Gould
RON STERNAL
Retired Business Executive
CAROL TOMER
Pastor

STAFF
KATHRYN HOFFMAN
Chief Executive Officer
CAROLYN BERNINGER
Clean Energy Associate
ANDRA BONTRAGER
GIS Specialist
LEIGH CURRIE
Senior Staff Attorney
JIM ERKEL
Attorney & Land Use & Transportation Director
DARRELL GERBER
Policy Analyst

MEGAN JEKOT
Communications and Development Associate
JOAN JOHNSON
Chief Financial Officer
AARON KLEMZ
Communications Director
ELISE LARSON
Staff Attorney
BETSY LAWTON
Program Attorney
GRETEL LEE
Robina Institute Legal Fellow
KEVIN LEE
Senior Staff Attorney

ERIC LINDBERG
Legal Assistant
KAREN MOSS
Office Manager
DAVID PATTON
Staff Attorney
KEVIN REUTHER
Chief Legal Officer
CHRIS TANITA
Chief Development Officer
MARK TEN EYCK
Chief Program Officer
ALLISON WOLF
Legislative Director



Minnesota State Tree // Red Pine

Defending clean water, driving a change to clean renewable energy, and protecting our most precious places isn't easy. Real environmental progress takes time, dedication, the search for truth, and the commitment to follow wherever that search leads you. The Minnesota Center for Environmental Advocacy has been on this journey since 1974.

MCEA's policy and legal experts use scientific facts to drive change and to defend our clean air and water. In-house, top-notch professionals provide legal advice, legislative influence and spatial analysis. Our expertise in environmental law, science, mapping and public policy enables us to communicate compelling stories that influence good outcomes on issues important to Minnesotans.

MCEA strategically uses our expertise and resources to influence public perception and secure durable environmental protections that wouldn't happen otherwise. We're in it for the long haul, and we're glad to have you on our team.



Minnesota Center for Environmental Advocacy

26 East Exchange Street, Suite 206
Saint Paul, MN 55101-1667
651.223.5969 phone

info@mncenter.org
mncenter.org

We're moving in March 2018! Check our website for updated contact information.



Printing: Wallace Carlson Printing
Printed on 100% post-consumer recycled, chlorine-free paper using agri-based inks.

Design: ThinkDesign Group
Copy: Susan Bonne