CLIMATE ACTION:
PUBLIC HEALTH ADVOCACY

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Disclosure of Relevant Financial Relationships
I have no financial relationships to disclose
Generational Justice

Climate Change Harms the Health of Children

Climate change poses risks to children throughout their development. Here we present a few examples of how climate change harms health from before birth to adolescence.

- Prenatal: Poor pregnancy outcomes like low birth weight and pre-term delivery. Increased risk of low birth weight and neonatal death.
- Infancy: Higher risk for heat-related illness because developing bodies are less able to control temperature. Heightened risk of water- and food-borne infections while immune system is developing.
- Childhood: Long-term lung problems and more frequent asthma attacks. Outdoor exposure increases risk of diseases from insects, like Lyme disease.
- Adolescence: Post-traumatic stress and anxiety in survivors. Negative impacts on ability to think, outdoor recreation and the ability to play sports.

Source: Lancet Countdown 2019 US Policy Brief
PUBLIC HEALTH ADVOCACY

Source: Frieden T. Am J Public Health; 2010; 100 (4) Image source: Live Healthy Douglas
U.S. CALL TO ACTION: CLIMATE, HEALTH AND EQUITY POLICY ACTION AGENDA
Transition rapidly away from the use of Fossil Fuels

Transition to renewable energy

Active transport + Zero-Carbon Transport

CLIMATE ISSUES IN MINNESOTA
Keep It In The Ground

The production gap is widest for coal but grows rapidly for oil and gas. By 2040 the production gap, in energy terms, is as large for oil as it is for coal. Physical units are displayed as secondary axes: billion tonnes per year for coal, million barrels per day for oil, and billion cubic meters per year for gas.

Source: Production Gap Report 2019, Executive Summary
EVERY DEGREE MATTERS
LINE 3 TIMELINE

JUL 2013
Line 3: Enbridge applies for permits for Sandpiper pipeline from MN PUC

JUL 2013
Wideen announces plans for Sandpiper pipeline

APR-MAY 2016
MN Department of Commerce puts in charge of the OIS instead of environmental agencies

APR-MAY 2016
Public hearings for scope of EIS for Sandpiper and Line 3

DEC 2015
Water protectors occupy Enbridge office in Duluth, MN, and 7 are arrested

SEP 2015
MN Court of Appeals overturns Sandpiper permit, orders PUC to proceed on EIS

JUN 2015
MN PUC grants permit for Sandpiper without doing an EIS

JUN 2015
Tar Sands Resistance March in St. Paul draws 5,000+

AUG 2015
Wild rice harvesters assert treaty rights on Pigeon in the Bay Lake, win Executive Order from Governor Dayton

AUG 2015
Enbridge announces plans to buy 25% of达科他 Access pipeline

JUL 2017
Draft EIS issued and opened for public comment

AMJUN 2017
First resistance camps open in Northern MN

JUL 2017
Final parties announced for PUC process, including 5 Ojibwe bands, landowners, and Youth Climate Interwetns

AUG 2017
Minnesota Creepana Tribe releases "Anishinawake Cumulative Impact Assessment" of Line 3

AUG 2017
Tribes and others groups file 2 lawsuits against the PUC, contesting the "adequacy" of the EIS

AUG 2017
August 15, 2017: Federal judge announces agreement with Enbridge to allow new Line 3 on its reservation

AUG 2017
US Army Corps of Engineers must hold public process for required Clean Water Act permits

AUG 2017
Minnesota DNR, PCA, and other agencies must issue 29 other permits

AUG 2017
Enbridge issues start date, according to Enbridge, which seems impossible

Source: StopLine3.Org
WHAT CAN YOU DO?

Contact: https://mn.gov/governor/contact/
Twitter: @GovTimWalz & @LtGovFlanagan

“We’re taking action to reduce carbon emissions, protect public health, create jobs, and ensure our state is at the forefront of the Green Economy.”
- Governor Walz

Contact: Office phone: 651-757-2014
Email: laura.bishop@state.mn.us
Twitter: @lbishopw (personal) and @MnPCA (general)

Laura Bishop
Minnesota Pollution Control Agency

“Minnesota is a leader in environmental stewardship, but the changing climate demands we do more to ensure the availability and health of the vital resources all Minnesotans value.”
CLIMATE ISSUES IN MINNESOTA

Transition rapidly away from the use of Fossil Fuels

100% MINNESOTA

Transition to renewable energy

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XCEL IRP- New Natural Gas Plant

Source: Natural gas plant, Vineyard, Utah, Mscalora /Wikimedia Creative Commons License, Sept 2019
THE PROCESS

Source: Richard Tsong Taatarii, Star Tribune, Sept 2018
WHAT CAN YOU DO?

The PUC is accepting comments

In writing by a date TBA, but at least until January 8th

By email: consumer.puc@state.mn.us

By mail: To Minnesota Public Utilities Commission, 121 7th Place East, Suite 350, St. Paul, MN 55101-2147

In written comments, make sure to reference Docket No. 19-368, and please note that, if you include personally identifying information in your comments, that will become public.
WHAT IS THE PLAN FOR THE DAY?

Transition rapidly away from the use of Fossil Fuels

Transition to renewable energy

Active transport + Zero-Carbon Transport
CLEAN CARS MN

Minnesota’s #1 source of greenhouse gases is transportation.

Minnesotans want more options for cleaner vehicles.

Minnesotans will breathe easier.

Source: MPCA, Why Clean Cars MN
WHAT CAN YOU DO?

Email your comments in support of clean air to Sheena.denny@state.mn.us

DECEMBER 6th Deadline
LETTER TEMPLATE

- **Paragraph 1:** Who are you?
  Eg: I’m an doctor.

- **Paragraph 2:** Why do you care? Personal Story highlighted by facts
  Eg: I take care of patients with heat stroke. Heat related illnesses are on the rise.

- **Paragraph 3:** What’s your ask?
  Eg: Please deny the 401 water permits to Line 3
  Eg: Please deny the proposed Becker Natural Gas plant in Xcel’s IRP
  Eg: I support the Clean Car Rule Implementation
THINK- PLAN- SHARE

- **THINK** Pick an action

- **PLAN** Mark a time in your calendar- personal deadline

- **PLAN** Who else you will motivate to take action

- **SHARE** Hold yourself accountable → Text someone now/ Post on social media
UMN Chapter Sit-In

Demand President Joan Gabel and the University to divest from fossil fuels and enact green policies.

Friday, December 6
12:00-2:00

12:30 March to Morrill Hall

Riverbend Plaza
Behind Student Union

MN Strikes Back

UMNClimateStrike

UMNClimateStrike
The substance of the report is that there is still time to save the world's peoples from the catastrophic consequences of pollution, but time is running out.

One of the most important predictions of the report is that carbon dioxide is being added to the earth's atmosphere by the burning of coal, oil, and natural gas at such a rate that by the year 2000 the heat balance will be so modified as possibly to cause marked changes in climate beyond local or even national efforts.

- API President Frank Ikerd, commenting on report of U.S. President's Science Advisory Committee at the API Annual Meeting, 1965

Scientist James Hansen testifies to Congress
Five bipartisan climate change bills in Congress
VP George Bush: I'll tackle the Greenhouse Effect with the White House Effect
IPCC formed
Fossil fuel companies organize disinformation campaigns
GLOBAL CARBON EMISSIONS

Annual total CO₂ emissions, by world region

Image Source: Our World In Data, Data Source: Le Quéré et al. (2018). Global Carbon Project; Carbon Dioxide Information Analysis Centre (CDIAC)
Who is telling your story?