



EMPOWER NJ

NO FOSSIL FUEL PROJECTS



FIGHTING Climate Change in NJ:

Urgent Case for a Moratorium

on all Fossil Fuel Projects



“The verdict is in. The world must act now to curb the cataclysmic effects of climate change. In NJ, we set a path to 100% clean energy by 2050, signed sweeping clean energy legislation and are protecting our land & water. Our children deserve nothing less.”

Governor Murphy, 11/24/18

Climate Change is Accelerating

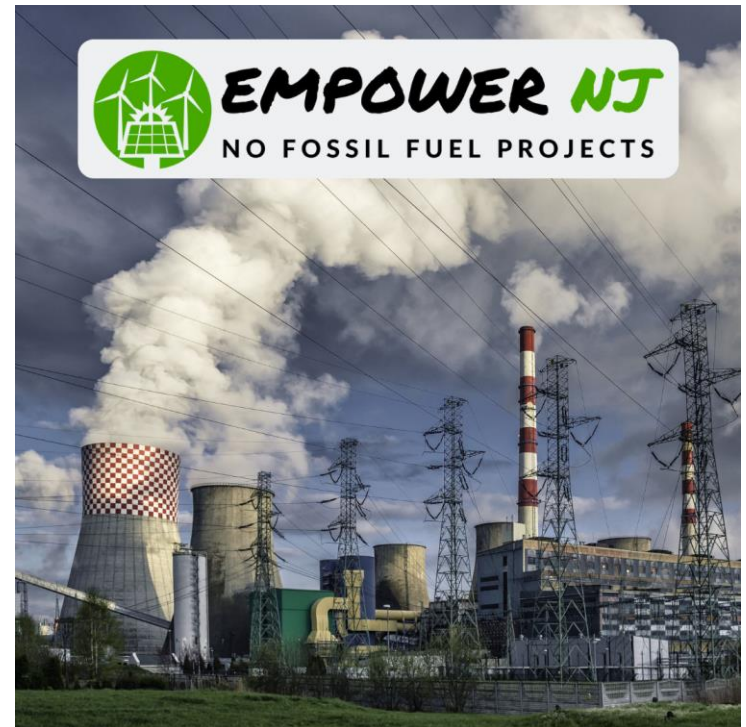
- **National Climate Assessment** (Nov. 2018)
 - 100's of billions in annual damage
 - 10% of U.S. GDP at risk
- **IPPC Report (2018)**
 - Many effects expected decades into the future will arrive by 2040 without 45% GHG reduction
- **NJ is Ground Zero**
 - NJ (and Florida) have over 1/3 of commercial coast properties at risk
- **People recognize climate change is real**
 - Over 85% of Democrats
 - Over 56% of Republicans



THE TIME FOR ACTION IS NOW!

Administration Inaction to Date

- **GHG emissions remain unregulated** despite authority under:
 - Clean Air Act (Title V)
 - NJ Air Pollution Control Act
 - NJ Global Warming Response Act
- **No rules to achieve EO 28 goals**
- **No new appointees** to Pinelands and Highlands regulatory bodies
- **Offices of Climate Change and Climate Adaption & Mitigation remain closed**



Many changes only require the Governor's action

13 Fossil Fuel Projects



Pipeline and Compressor Stations

- **PennEast Pipeline**
- Northeast Supply Enhancement Pipeline
- South Jersey Pipeline
- Southern Reliability Link Pipeline
- Garden State Expansion Project Compressor
- Gateway Expansion Project Compressor
- Rivervale South to Market Pipeline
- Lambertville Expansion Compressor

Power Plants

- Meadowlands
- Phoenix Energy Center
- BL England
- Keasbey Energy Center
- Sewaren 7 (went into service in mid 2018)

MORATORIUM

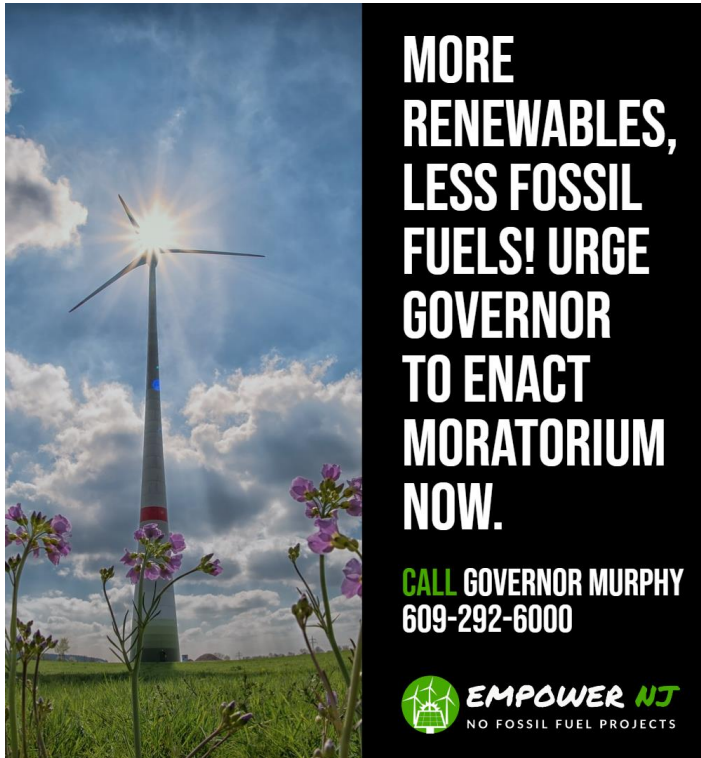
- **Immediate moratorium** on all new fossil fuel projects
- During moratorium the Administration, Legislature, DEP and BPU
 - **Develop rules, procedures and laws to regulate and reduce GHGs**
 - Governor Murphy and the Administration have the authority to act but have shown no interest in doing so
 - Utilize authority under Clean Air Act, GWRA and NJ Air Pollution Control Act (DEP declared CO2 an air pollutant in 2005)
 - Enable DEP to reject permits for projects that would cause NJ to exceed its GHG limits
 - **Develop specific annual plans to meet GHG commitments**
- **Administration looking at the legal issues**



NJ Moratorium Precedent

- NJ has a history of putting in place moratoriums in order to deal with an environment problem until it issue is resolved.
- Governor Byrne put a stop on all development in the Pinelands until the Pinelands Act was passed.
- Governor Kean put a moratorium on filling in freshwater wetlands to protect us from flooding until a wetlands protection law was passed. Kean also put a moratorium on development projects until sewer plants were upgraded to protect clean water.
- Governor Florio put a moratorium on all new incinerators and stopped them under construction to protect our air quality from toxic emissions.
- It's time Governor Murphy follows his predecessors and puts in place a moratorium.

Other Actions During Moratorium



- **Revise DEP policies on ozone credits**
 - This one action would likely stop all new power plants
- **Update DEP rules on air deposition**
- **Require realistic renewable energy alternatives**
- **Remove cost cap** on renewable energy
- **Reverse Christie rollbacks** of water regulations
- **Appoint new members** to Pinelands Commission and Highlands Council to protect resources
- Create strong **green jobs** program

GHG Impact from New Projects



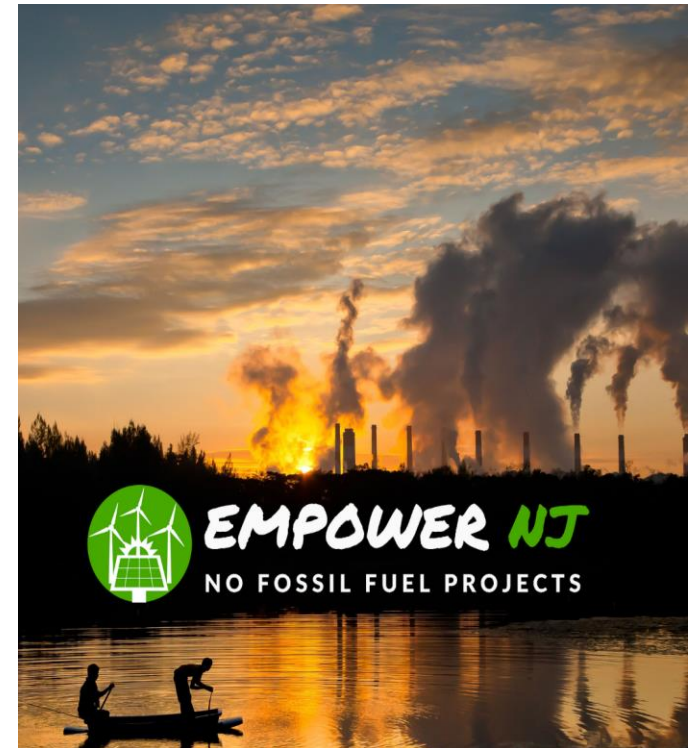
- Baseline emissions:
 - NJ total GHG emissions – 100MMt/yr
 - NJ power plant GHG emissions – 18.6MMt/yr
- 13 projects net new emissions:
 - 32MMt/yr* total - an increase of 32% in total GHG emissions
 - 14.2MMt/yr - power plant consumption (included in above number) – an increase of 76% in total power plant GHG emissions
- 43.3MMt/yr – full methane lifecycle (NJ and PA)

“If you find yourself in a hole, stop digging.” Will Rogers

*Million Metric tons per year

Strategic Importance of Stopping New Gas Projects

- “Natural” gas consists mostly of methane
- Leaks at all stages of life cycle
 - 2.6% to 4.1 %of total volume from extraction to consumption (fracked gas)
- 86 times more potent as GHG than CO2 in 20 yr. timeframe
- Fracked gas is worse for climate change than burning coal
 - 67% of all gas in 2015



Health Impacts

- **Compressor stations and power plants emit many Hazardous Air Pollutants (HAPs) and ozone precursors. Environmental Justice communities are particularly susceptible.**
- **HAPs include:**
carcinogens, NO_x, SO_x, particulate matter, CO₂, CO, VOCs
- **Health impacts include :**
neurological, cardiovascular and respiratory disease (asthma, COPD), cancer, birth defects, premature death and many other diseases such as dementia and stroke
- **Statistics linking ozone, in particular, to premature death** are well known.
 - A 10 ppb rise in smog increases daily mortality rate by 0.5%.
- Gas projects have lifetimes of 30 to 40 years during which time and beyond, impacted residents will have **increased hospital stays, loss of work time, increased health care costs** and increased rates of premature death.



Allowing unnecessary power plants is morally unconscionable

Green Energy Jobs



- **Clean electricity jobs outstrip fossil fuel five to one**
 - Energy efficiency, solar, wind, alternative vehicles
 - Transition to 100% renewable in NJ for all needs would create over 134,000 jobs
 - Nationwide reduction of GHGs by 80% by 2050 would produce more than 550,000 jobs each year
- Given **union focus** on new fossil fuel jobs the Administration must create a strong **green jobs program** including training, placement and guaranteed transition for fossil fuel workers.
 - Green job growth will exceed that of fossil fuels
 - Instead of union opposition to cutting fossil fuel jobs imagine union demands for more green jobs

What Can I Do?

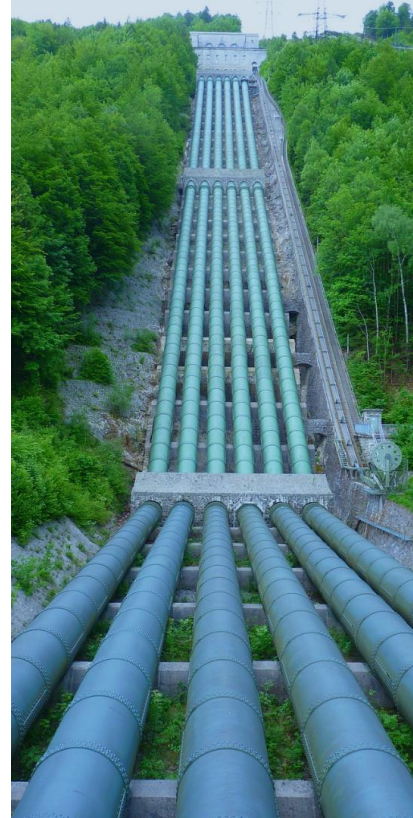
- Contact Governor Murphy at:

Email: constituent.relations@nj.gov
Phone: 609-292-6000

- Contact your state legislators

- Sign our petitions at:

www.empowernewjersey.com

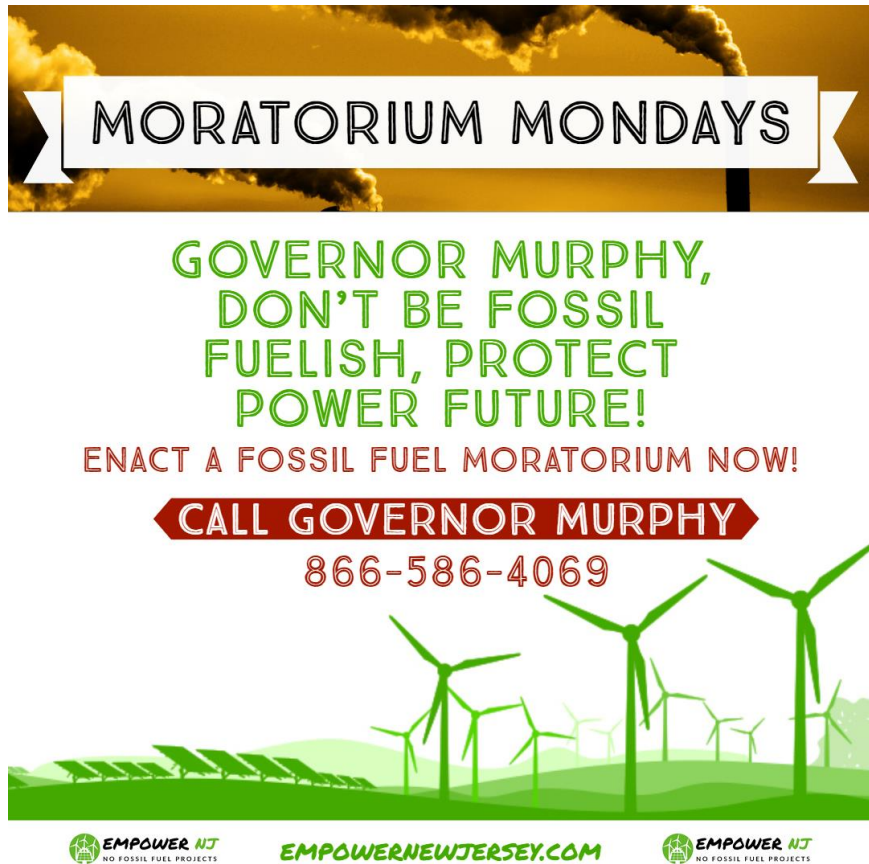


**NO MORE
PIPELINES!
ASK GOVERNOR
TO STOP
ALL NEW
FOSSIL
FUEL PROJECTS.**

**CALL GOVERNOR MURPHY
609-292-6000**



Get Social!



MORATORIUM MONDAYS

**GOVERNOR MURPHY,
DON'T BE FOSSIL
FUELISH, PROTECT
POWER FUTURE!**

ENACT A FOSSIL FUEL MORATORIUM NOW!

CALL GOVERNOR MURPHY
866-586-4069

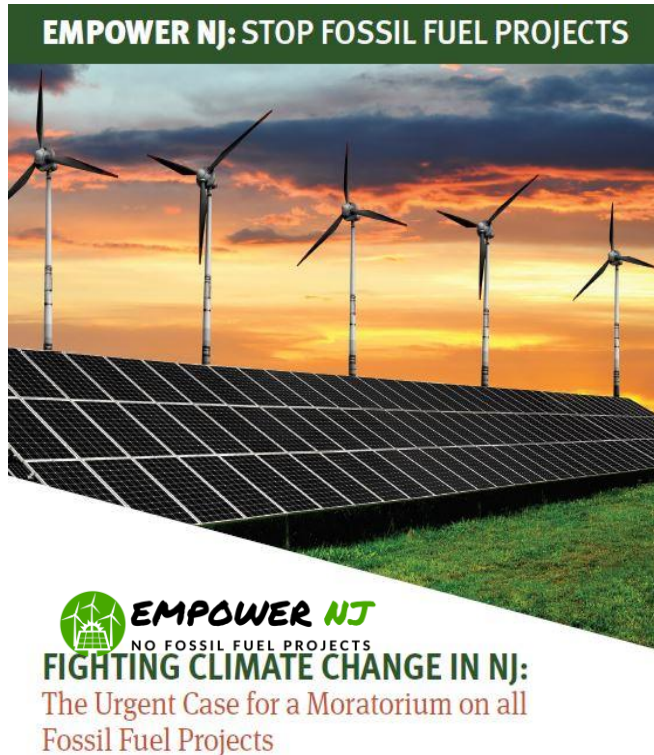
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- **Social Media:**
Moratorium Mondays!
Every Monday we call
Governor Murphy!
- **Facebook:**
<https://www.facebook.com/events/2118615954892331/>
- **#MoratoriumMondays**

Resources



Empower NJ Website:

www.empowernewjersey.com

**Read our new report
and share it widely!**

**Watch the website and Facebook Page for
Forums and upcoming events:**

<https://www.facebook.com/events/278062159579793/>