



The New Jersey Energy Master Plan

**Getting to 100%
Clean Energy**

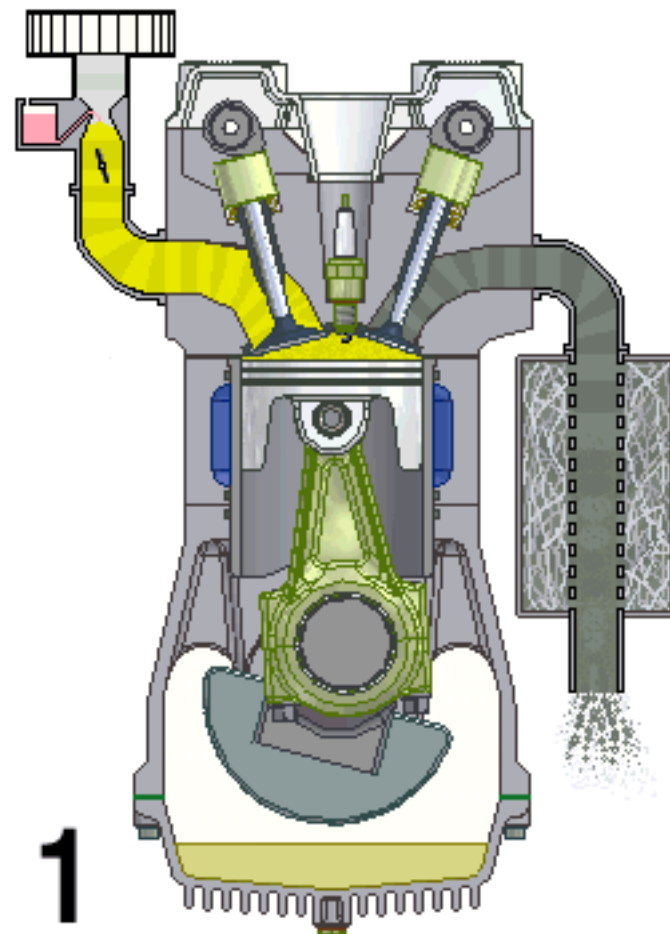
Who cares?

- GHG emissions cause global warming
 - Associated pollutants cause lung issues
- After 2°C increase, many changes will be irreversible
 - It's already gone up 2°C in New Jersey
 - Weather and climate disasters
 - Health issues
 - Wildlife extinctions
 - Sea level rise - altering the NJ shore
- Food insecurity will increase
 - Increasing migration

How will the Energy Master Plan affect us?

We live in a society that uses energy for everything.

It will affect almost everything you do.



Strategies

- Energy generation **Electrify** ⚡
- Buildings
- Transportation
- Energy efficiency **Reduce usage**
- Modernize the Grid and Infrastructure **Manage** 👤
- Low and Moderate Income Actions
- Innovate

Electrify Everything ⚡

- Lower car operating costs
- Toll roads / mileage-based user fee
- More reliable cars
- Mini-split heat pumps for old buildings
- Cheaper energy
- Fewer price fluctuations
- Energy independence for US
- Disruption in utility industry?
- Less pollution and better health
- More decisions

Reduce Usage

- More walking, biking
- More public transit
- Car shares
- Better intrastate NJ transit routes
- First mile/last mile transportation to transit
- Less congestion
- Net zero houses
- More expensive houses
- Lower utility usage
- Lower utility bills?
- Higher utility rates?
- Less pollution / better health

Managing the Transition

- Houses or communities generate their own power (“Distributed Energy Resources”)
- More decisions!!!
- New regulations
- New billing structures
- State encourages local clean power generation
- e-mobility programs
- Changes to energy efficiency rebate programs
- Community Energy Planning: local access to decision-making about energy

Overall it's a good plan ...

Problems with the Energy Master Plan

- Ignores calls for moratorium on new fossil fuel infrastructure
- Definition of “clean energy” allows continued use of fossil fuels
- Electrification is treated as the main form of clean energy
- Rate of electrification is too slow, very few milestones
- Will “cost-effectiveness” consider health costs and other ancillary costs?
- How will consumers be included in regulation and pricing of the modernized grid?
- Emissions created by food production are not addressed
- Implementation of the plan is not considered

What happens next?

- Hearings continue... More hearings: Sept 3, 5, and 8
- Comments due on Sept 16
- Plan will be finalized in December
- Rocky Mountain Institute will perform a study to determine the most cost-effective pathways to 100% clean energy by 2050
 - “NJBPU is working with RMI and Evolved to utilize advanced modeling, a regional approach, and an interactive stakeholder process to develop several demand-side scenarios based upon different policy options to inform the benefits, costs, and trade-offs associated with each policy approach. “

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Commenting on the Plan

The EMP Committee will accept written comments via email until noon(12 p.m.) on Monday, September 16, 2019 at emp.comments@bpu.nj.gov

Comments will be posted on the website.

Testifying at Stakeholder meetings

Date: Tuesday, September 3
Time: 6 PM - 8 PM
Location: Hackensack Administration Building,
Freeholder's Public Meeting Room, 5th floor,
1 Bergen County Plaza, Hackensack, NJ

Date: Thursday, September 5
Time: 6 PM - 8 PM
Location: LMH Room, Toms River Municipal Complex,
33 Washington Street, Toms River, NJ

Date: Thursday, September 12
Times: 1 PM - 4 PM / 4:30 PM - 7:30 PM
Location: Black Box Theater, The Kroc Center,
1865 Harrison Ave, Camden, NJ 08105

To testify, you must first register at <https://nj.gov/emp/get/>