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New Jersey 2019 Energy Master Plan (EMP)
Reducing Energy Consumption Stakeholder Meeting Discussion Points
September 14th, 2018, 10 a.m. - The College of New Jersey

2019 Energy Master Plan

Clean energy is vital for our future from both an economic development and environmental sustainability policy perspective. With this in mind, Governor Murphy, through Executive Order (EO) 28, has set an ambitious goal of establishing a state-wide, 100 percent clean energy conversion by 2050, and we are moving full speed ahead.

The EMP is a document that outlines the strategic vision for the state's role in the development, use, distribution, and management of energy. The EMP is developed with the collaboration and input of a coalition of state experts working as the EMP Committee, chaired by a senior staff member of the NJBPU, and informed by feedback from a wide variety of stakeholders from across the state.

Reducing Energy Consumption

Reducing energy consumption and emissions while maintaining efficiency and affordability will be a priority of the EMP. Governor Murphy's leadership to curtail the serious impacts of climate change caused by greenhouse gas emissions, including actions taken to rejoin the Regional Greenhouse Gas Initiative (RGGI), will further be discussed, along with the potential to avoid emissions through reduction in use. The Reducing Energy Consumption Workgroup will also examine how utilizing technologies to reduce consumption can offset increases in consumption in other areas, such as electrified transportation, and how reductions in consumption translate to savings in energy costs.

¹ This is not a paid legal advertisement

Information for stakeholders:

- Please provide responses to the discussion points listed below. Consistent with the EO, for each question, please include a time horizon (2030 and/or 2050) in your response.
- You may also submit comments/proposals not specifically requested here.
- Email comment submittals to: emp.comments@bpu.nj.gov
- Comment period ends: **October 12, 2018 at 5pm**
- Public Stakeholder Meeting: Friday, September 14, 10 am,
The College of New Jersey
- Energy Master Plan Website: <https://nj.gov/emp/>

Discussion Points

General

1. What energy efficiency, peak demand reduction, and demand response programs and systems will assist in helping keep energy affordable for all customer classes, especially as technology advances in areas such as electric vehicles or heating and cooling, which will potentially increase electric energy usage?
2. With the coming requirement that all commercial buildings over 25,000 sq. ft. be benchmarked through EPA's Portfolio Manager, what programs should be created to help with benchmarking and reduction strategies?
3. What are the key non-energy benefits associated with energy efficiency? How can their value best be considered in cost-benefit analyses?
4. What should the role of ratepayer funded programs, whether state or utility run, be in achieving reduction strategies?
5. What type of educational outreach is needed to advance energy efficiency throughout New Jersey?

Technology

6. What advances in technology should be considered as part of a strategy to reduce energy consumption? What technologies could complement and advance existing energy efficiency efforts?
7. What are the intermediate timeframes and pathways to these new or enhanced technologies and energy efficiency and demand response systems?
8. How do we best utilize data analytics for energy efficiency?

9. What is the role of block chain, IoT, big data, 5G, and other specific technologies in energy efficiency?

State Policy

10. How can the state play a strong role in reducing its energy consumption?
11. Which strategies should be state-led, and which ones should be advanced by the private sector? What other players are important leaders in energy efficiency?
12. Should the state require energy efficiency in particular projects receiving state incentives?
13. Should the state play a role in encouraging pilots of different “next generation” buildings? How could the state foster the implementation of net zero or passive buildings projects? How could that impact and restructure redevelopment efforts?
14. What Treasury design standards or procurement policies should be updated to reflect and encourage energy efficiency in state building designs or protocols?

Codes and Standards

15. What portion of the overall energy savings in the transportation, heating, processing, and cooling and electricity markets should be achieved through advanced and enhanced building energy codes and appliance standards systems?
16. How should each sector — residential, commercial and industrial — be considered in terms of codes and standards updates towards reduced energy consumption? In terms of energy efficiency, are certain sectors more adaptable or important than others?
17. What type of zoning changes or incentives should be considered related to green infrastructure? How can these be achieved?
18. What are some examples of existing or potential advanced building energy standards or metrics? (Examples include: net zero energy, Passive House, Living Building Challenge, etc.) How could these be implemented in New Jersey to accelerate greenhouse gas emissions reduction in new and existing residential and commercial buildings?
19. Are there barriers to implementing new energy efficiency codes for building inspectors? How can potential code updates be made less burdensome for inspectors in order to increase compliance and uniformity?

Security

20. How can energy efficiency and peak demand reduction strategies assist in ensuring enhanced energy security, reliability, and resiliency in the energy markets?
21. Should strategies across the transportation, residential, commercial, industrial, and electricity generation sectors vary based on differing security risks?

Economic Growth and Workforce Development

22. What new or expanded manufacturing could be developed related to energy efficiency?
23. What associated jobs and training will be needed in the new clean energy economy (particularly regarding reducing energy consumption)?
24. What type of overall workforce training is needed in the energy efficiency industry, whether for maintaining systems, installation and inspection, or in other areas?
25. What type of educational outreach is needed to advance energy efficiency in the workplace?

Environmental Justice

26. How can the state be responsive in helping keep clean energy affordable in communities that are disproportionately impacted by the effects of environmental degradation and climate change? How can the state play an active role in improving the condition of older building stock and encouraging energy conservation measures in communities that are disproportionately impacted by the effects of environmental degradation and climate change?
27. What efforts are most successful towards making clean energy and energy efficiency measures affordable and accessible to all?
28. How can the state play a role in ensuring that disproportionately impacted communities receive opportunities and benefits connected to the clean energy economy?