



Power Generation Advisory Panel Meeting 6

January 11, 2021



**Climate Action
Council**

PowerGenPanel@dps.ny.gov

Agenda

- > Recommendations Guidance (~10 min)
- > Timeline for Recommendations Development (~15 min)
- > Discussion: Resource Mix Subgroup (~60 min)
 - Low efficiency, high emitting peaking resources
 - Role of advanced fuels
- > Discussion: Barriers Subgroup (~30 min)
 - Energy Storage
- > Next Steps (~5 min)

Recommendations Guidance

Guidance on Developing Recommendations

- > Recommendations can be, but are not limited to policies, regulations, statutes, incentives, new programs, modifications to existing programs, planning, or research and development activities.
- > Recommendations fall into 3 categories – mitigation, enabling, and adaptation/resilience.
- > A Recommendation should be an action or outcome to be achieved, e.g., “Deploy 100% solar on all new affordable housing” or “All new affordable housing meets zero emission standards.”
- > To describe a recommendation, include the timeframe for the action or outcome to be achieved, the mechanism for implementation (regulation, statute, incentive, etc.) and the entity or entities to lead implementation.
- > Note any barriers to implementation and enabling recommendations to address the barriers.

Guidance on Evaluating Recommendations

- > Intended to support Advisory Panels in consistently assessing each strategy under consideration.
- > Advisory Panels should aim to address each item to the best of its ability, however there may be cases where not all questions are relevant or answerable. In such cases, it is fine to answer qualitatively (High, Medium, Low) or leave questions unanswered.
- > The aggregate set of mitigation recommendations from each Panel must consider measures to maximize reductions of emissions of GHGs and other pollutants in disadvantaged communities and be reflective of the CLCPA requirement that no less than 35%, with a goal of 40%, of overall benefits of clean energy investments accrue to disadvantaged communities.

Recommendations Guidance: Mitigation Strategies

- > What estimated GHG emissions reduction/sequestration in 2030 and 2050 will result from this strategy?
- > Why should this mitigation strategy be chosen?
- > How much will this mitigation strategy cost? How cost-effective is this strategy?
- > What are the barriers to implementation and how can we mitigate these risks?
- > What are the key steps to implement?
- > What are the benefits and impacts to disadvantaged communities?
- > What are the implications for human health and local air quality?
- > How will this affect industries and businesses and their workers?
- > Are any enabling initiatives needed to advance this strategy?
- > Any other factors to consider?
- > If applicable, what panels did you consult with to develop this strategy?

Recommendations Guidance: Enabling Strategies

- > What does this strategy enable or enhance?
- > Why should this enabling strategy be chosen?
- > How much will this strategy cost?
- > What are the barriers to implementation and how can we mitigate these risks?
- > What are the key steps to implement?
- > How will this impact disadvantaged communities?
- > What are the implications for human health and local air quality?
- > How will this affect industries and businesses and their workers?
- > Any other factors to consider?
- > If applicable, what panels did you consult with to develop this strategy?

Timeline for Recommendations Development

Schedule

> Power Generation Advisory Panel meetings:

- February 12th, 1:00 pm EST
- February 22nd, 9:30 am EST
- March 10th, 1:00 pm EST

> Subgroups meeting weekly

> Recommendations due to Climate Action Council by end of March

> Outstanding items:

- Recommendations drafting
- Cross-Panel discussions
- General public feedback
- Key group engagement
- Utility group

Approach to Recommendations Drafting and Cross-Panel Discussions

> Proposal:

- Panel members draft starter recommendations based on Panel and Subgroup discussions to-date
- Starter recommendations discussed in subgroup meetings (or topical meeting if they span multiple subgroups) to refine concept and language
- Other panels invited to join subgroup discussions (and this Panel invited to theirs)
- Draft recommendations presented and discussed at February 12th and 22nd Panel meetings

Approach to External Engagement

> General public feedback proposal:

- Open Chat function for real-time feedback from attendees during meeting
- Add 1-hour general public feedback audio session to each February meeting
- Continue accepting emails at PowerGenPanel@dps.ny.gov

> Key group engagement proposal:

- Panel members asked to identify what feedback is most valuable from each key group (or by topic) and drop into shared document
- Staff team will develop survey with Panel member-identified questions (and open input section) and distribute to key groups
- Staff team will compile responses and share with Panel members

Discussion: Resource Mix Subgroup

Goals for the Discussion

- > Gauge each Panel member's current position
 - What criteria are you using for evaluation?
 - What facts are you relying on?
 - What other factors should the AP consider in evaluating this recommendation, e.g., barriers or mitigation of risks?

- > Discuss opportunities for building consensus
 - E.g., What additional information or processes are needed as recommendations are further developed and drafted

Instructions for IdeaFlip

- > Click on the link to participate in the IdeaFlip board as a 'Contributor'.
- > You will be asked to sign-in and create a password.
- > Once signed in and viewing the board, you can begin to add comments using 'sticky notes.'
- > Drag sticky notes to the board area and begin typing. You can move the sticky notes around and edit as needed.
- > Use the scrolling function on your mouse or trackpad to zoom in and out on the board.
- > Right click and hold or use your trackpad to move around the screen.

OR

- > Private message recommendations you would like to add to Zoe Miller via WebEx chat function

Low efficiency, high emitting peaking resources

> Bookend Positions:

- a) Priority on ensuring reliability as traditional fossil fuel units are shut down, even at the risk of falling short on carbon goals
- b) Priority on shutting all thermal fossil fuel units down, even at the risk of reliability

> Panel member input:

- What recommendation would you propose to address high emitting peaking resources?
- What criteria are you considering in development of that recommendation?
- What facts are you relying on?
- What other factors should the AP consider in evaluating this recommendation, e.g., barriers or mitigation of risks?

Role of Advanced Fuels

> Bookend Positions:

- a) There maybe a role for green hydrogen or RNG in the future in order to maintain reliability.
- b) Green hydrogen and RNG should not be part of the resource mix in 2050.

> Panel member input:

- What recommendation would you propose regarding advanced fuels?
- What criteria are you considering in development of that recommendation?
- What facts are you relying on?
- What other factors should the AP consider in evaluating this recommendation, e.g., barriers or mitigation of risks?

Discussion: Barriers Subgroup

Energy Storage

- > Deployment of existing energy storage technology:
 - Siting and Permitting
 - BSM and new resources in markets
 - Consider new target in Clean Energy Standard and continuation/expansion of programs
- > Development and deployment of new technology:
 - Need for continued innovation and technology development for long duration storage
 - Challenge of scaling up technology, particularly large-scale demonstration projects to validate technology at scale and use cases

Next Steps

Next Steps

- > Proceed on recommendations drafting, cross-panel discussion, and external engagement as discussed today
- > Power Generation Advisory Panel meeting on February 12th, 1:00 pm EST
 - Topics for discussion?
- > Climate Action Council meeting on January 19th, 3pm EST (<https://climate.ny.gov/>)