



Power Generation Advisory Panel Meeting 8

February 22, 2021



**Climate Action
Council**

PowerGenPanel@dps.ny.gov

Agenda and Objectives

Agenda

- > Welcome and Logistics (5 min)
- > Draft Recommendations for Discussion (130 min)
- > Next Steps (5 min)
- > Break (5 min)
- > Public Input Session (60 min)

Objectives

- > Discuss a subset of draft recommendations
- > Determine next steps to bring these recommendations back to the Panel for a vote at a subsequent meeting
- > Solicit public input to contribute to the Panel's recommendations to the Climate Action Council

This webinar is being recorded to accurately capture public comments

Procedure for Public Input

The Advisory Panel welcome public comments

- > To provide a verbal comment during the public input session at the end of this meeting, please enter your name in the “Q&A” feature of the WebEx located in the bottom right corner.
- > The speaker list is first come, first served. If you have already presented at a previous session, please wait to enter your name until all other presenters have gone.
- > You also may enter written comments into the “chat” feature of the webinar at any point, which is visible to all participants. Please note that the moderator might read your comments aloud.
- > Comments and questions submitted through WebEx will be aggregated and provided to Panel members to be included in deliberations.
- > To submit feedback outside of the Panel meeting, please email PowerGenPanel@dps.ny.gov or call 1-833-498-2082.



**Draft
Recommendations for
Discussion**

Enabling Strategy Summary (Being Discussed Today)

Initiative #	Description	Action type	Ease of implementation	Cost
5	Workforce Development			
6	Access and Affordability for All			
7	Growth of Large-Scale Renewable Energy Generation			

Enabling initiative – Initiative #5: Workforce Development

Draft Material

Description:	Provide education and career opportunities to in disadvantaged communities in the clean energy industry. Ensure people currently employed in fossil industries are able to transition over so their needs are met.	
Action type:	Executive	
Cost and funding considerations:	<ul style="list-style-type: none"> • HS/College technical training is approx. \$6-10K/student based on past programs. • Federal Relief funds should be first, directed to equity related costs. • Expand the NYS Fossil Fuel Plant Closure fund and specifically target funds for worker transitions and supporting lost taxes in communities. 	
Ease of implementation:	Easy	
Example case studies:	NYCHA Access Solar Program, Solarize Brownville, Ravenswood	
Risks / Barriers to success	Possible mitigants	
<ul style="list-style-type: none"> • Campaigns work best when they originate in the communities themselves and interest tends to be reduced when programs try to bridge income classes. • This type of recruitment and job training for private solar companies is a year-round commitment and a significant investment to get a person ready. • Will need to engage with companies that may be potentially put out of business and convince them to allow their workforce to be retrained in other skills. 		

Enabling initiative – Initiative #5: Components of the strategy

Draft Material

Components required for delivery	Implementation lead	Time to implement	Other key stakeholders
Scale up training and workforce opportunities for new clean energy workers and in LSR siting locations with preferences in training and job placement to priority populations. Emphasize these principles within RFPs.	NYSERDA		NYS Energy/Labor/Social Service Agencies, K-12 schools, vocational/technical & higher education, education & workforce development non-profits, fossil fuel & energy companies, construction/repair/buildings businesses
Focus on businesses and job opportunities around installation, manufacturing, and the entire supply chain.	NYSERDA		
Create opportunities for Minority and Women Owned businesses and in disadvantaged communities to gain a foothold in the industry and work up the value chain. Increase ranks of MWBEs, coops., employee-owned businesses, community projects through capacity building and business development support.	NYSERDA		
Create community-to-employment pipelines and career pathways in disadvantaged communities. Ensure there is a clear ladder/pathway to a career which also involves labor unions.	NYSERDA		
Scale up strategic partnerships in education/outreach efforts within disadvantaged communities and provide state agency coordination with various benefit programs in a "one stop shop" for LMI communities.	NYSERDA		
Clean Energy/decarbonization curricula in State-funded education in K-12, technical schools, BOCES programs, CUNY/SUNY, engineering and architecture programs at universities. Leverage CUNY/SUNY technical elements and job placement in these programs.	NYSERDA		
Require continuing education and licensing in trades and professions for current fossil fuel workers. Work with companies to help transition their workforce in buildings operations and maintenance, design, construction, and real estate professionals.	NYSERDA		

Enabling initiative – Initiative #5: Benefits and impacts

Draft Material

Anticipated Benefits and Impacts

Disadvantaged communities

Can provide much needed education, skills and training to communities and open career pathways. Develop business opportunities for MWBEs and community development.

Health and other co-benefits

Helping to ensure a strong and vibrant clean energy workforce will facilitate the opportunities to expand deployment of renewable energy technologies. This will help to more quickly shutdown fossil fuel generating facilities, improving air quality in communities that host these facilities.

Just transition: businesses and industries, workers

Provides businesses and workers increased transition opportunities to clean energy industries.

Other

Enabling initiative – Initiative #6: Access and Affordability for All

Draft Material

Description:	Prioritize helping low-income utility customers and disadvantaged communities, while also assuring that these communities will be able to afford and fully benefit from the State’s transition to electrification	
Action type:	Executive/Regulatory	
Cost and funding considerations:	Federal Relief funds should be first, directed to equity related costs to help with the implementation associated with these recommendations	
Ease of implementation:	Moderate (there are fiscal/unknown costs that must be accounted for)	
Example case studies:	DPS' Low-Income Affordability Program (Case: 15-M-0565), NYC’s Energy Cost Savings Program for small businesses	
Risks / Barriers to success	Possible mitigants	
<ul style="list-style-type: none"> Expanding the PSC’s Low-Income Affordability Program could result in higher rates for non-eligible customers. The State’s ability to project how much financial support will be adequate while assuring that low-income customers will not surpass the 6% energy burden during the transition to electrification. With regards to efforts to modify financial assistance programs, such as HEAP, there is a concern that tenants will be unable to achieve certain benefits associated with changes to these programs, if their landlord does not prioritize making such technology upgrades and renters usually do not have control over their fuel source. State related hiring freezes could make it difficult to create new positions. 	<ul style="list-style-type: none"> Complete a study on how avoid grid upgrade costs with such things as energy efficiency, demand response, and the use of geothermal downstate, with a focus on low-moderate income individuals. Re-assigning existing State staff roles and duties could ameliorate the need to hire a new position. 	

Enabling initiative – Initiative #6: Components of the strategy

Draft Material

Components required for delivery	Implementation lead	Time to implement	Other key stakeholders
Continually monitor PSC's Low Income Affordability Program	DPS	Ongoing	
Improved coordination of State agencies and expansion of pilots and programs to assist small businesses with the transition to electrification	NYSERDA, OTDA		ESD, DAM, DPS, DOH
Modify Home Energy Assistance Program (HEAP) to help encourage electrification and reduce continued use of fossil fuels for both tenants and homeowners	OTDA, NYSERDA		
Increase access to energy efficiency and low-income customer support programs	OTDA, NYSERDA, DOH, HCR		
Consider studying alternative rate structures as a means of protecting low-income, disadvantaged communities and small businesses from large cost shifts	PSC/DPS		
Increase consideration of equity and environmental justice in PSC decision-making by appointing a lead at DPS specifically for Equity and Environmental Justice and providing intervenor funding for nonprofits and CBOs. This position should also interact with existing equity and environmental justice programs at other State agencies (e.g. DEC and DOH).	PSC/DPS		
Study how to avoid grid upgrade costs with energy efficiency and investment in downstate NY, with a focus on geothermal and Long Island	NYSERDA/DPS		

Enabling initiative – Initiative #6: Benefits and impacts

Draft Material

Anticipated Benefits and Impacts

Disadvantaged communities

Provides economical support to low-income customers so they can afford the transition to electrification

- The benefits of energy efficiency is also a central element that when paired with direct assistance, will be tremendously helpful for low-income individuals to control their energy costs.
- The State’s work will include prioritizing building electrification with a focus on the low-income and disadvantaged communities.

Health and other co-benefits

This recommendation reduces emissions, but it will be important to triage implementation to assist Clean Air Act non-attainment areas and disadvantaged communities first and most deeply. There will be significant health benefits associated with prioritizing the closure of high-emitting fossil units in disadvantaged communities through measures such as energy efficiency, battery storage, renewables deployment, and necessary transmission.

Just transition: businesses and industries, workers

If not instituted carefully, the cost of energy for businesses may become uncompetitive and prove economically difficult for high energy-using industries to afford.

Other

Access and affordability to clean energy programs, energy efficiency, and other assistance programs improves living and housing conditions.

Enabling initiative – Initiative #7: Growth of Large-Scale Renewable Energy Generation

Draft Material

Description:	<ul style="list-style-type: none"> Accelerate deployment of renewable energy systems including solar, land-based wind, and offshore wind in alignment with the Clean Energy Standard. Identify key transmission and distribution upgrades, improvements, and new line construction needed to deliver renewable energy from where it is built, to where it is needed most in alignment with the Power Grid Study. 	
Action type:	Procurement/Regulatory	
Cost and funding considerations:	NYSERDA's existing Tier 1, Tier 4, and OSW programs.	
Ease of implementation:	Medium (acceleration of current actions)	
Example case studies:		
Risks / Barriers to success	Possible mitigants	
<ul style="list-style-type: none"> Ensuring efficient processes for installing renewable generation (procurement, siting, interconnection, construction) and for constructing and upgrading the transmission and distribution networks is necessary to effectively deploy renewables within the time needed. 	<ul style="list-style-type: none"> The Power Generation Advisory Panel will be making recommendations on siting, interconnection, and energy delivery to address these barriers. NYSERDA should continue to evaluate its procurement programs for effectiveness to ensure continual, swift, progress is being made. 	

Enabling initiative – Initiative #7: Components of the strategy

Draft Material

Components required for delivery	Implementation lead	Time to implement	Other key stakeholders
There remains a large amount of renewables that must be procured and developed to reach the goals. The Public Service Commission issued an Order in October 2020 that implemented key provisions to align the Clean Energy Standard with the CLCPA. NYSERDA’s implementation of these procurement targets is essential to meeting the CLCPA goals for both 2030 and 2040.	NYSERDA	Ongoing	DPS, Utilities, Renewable Energy Developers, siting communities.
Though much progress towards the 70 by 30 goal has been made, most renewable energy projects have been deployed upstate. Both OSW and Tier 4 seek to increase renewables penetration into the downstate region.	NYSERDA	Ongoing	DPS, Utilities, Renewable Energy Developers.
New and upgraded transmission and distribution systems will be necessary to deliver energy from the generation location (both upstate and offshore), to the load demand downstate. The Power Grid study was recently completed and should provide directional support on necessary transmission upgrades.	NYSERDA	2030	DPS, Utilities, Transmission Developers.

Enabling initiative – Initiative #7: Benefits and impacts

Draft Material

Anticipated Benefits and Impacts

Disadvantaged communities

Ensuring the delivery of community benefits from siting of renewable generation (See Community Benefits Recommendation) and closing of fossil fuel plants in disadvantaged communities will alleviate undue burdens on disadvantaged communities.

Health and other co-benefits

Aggressive deployment of renewable technologies and upgrades and construction of transmission and distribution systems will make it possible to close fossil fuel generation facilities, improving air quality and decreasing emissions. In 2016, in-state fossil fuel combustion accounted for 163.47 MMtCO₂e (80% of all state emissions).

Just transition: businesses and industries, workers

Increases in jobs available in renewable energy system and transmission construction, as well as operation and maintenance of these systems.

Other

Next Steps

Next Steps

- > Climate Action Council meeting on February 26th, 3 pm EST
(<https://climate.ny.gov/>)
- > Power Generation Advisory Panel meeting on March 10th, 1:00 pm EST
 - Discuss remaining subset of draft recommendations
 - Solicit public input

Public Input Session

Public Input: *Public Commenter Procedures*

1. Indicate your interest in speaking by entering your **name** (first & last) in the “**Q&A**” feature of the WebEx.
If you had the opportunity to present at a previous Public Input Session, please wait to enter your name until others have had the opportunity to present.
2. When called upon, **turn on your microphone**.
3. Announce your **name** and **organization** (if you are representing one).
4. You will be provided with **up to 2 minutes** to comment on the work of the Panel.
5. You may also enter **written comments** into the “**Chat**” feature of the WebEx; staff may read aloud your comments.
6. Your comments will be **documented** as part of the Power Generation panel's deliberations.

Alternative Options:

- > **Written comments** are strongly encouraged and may be submitted to the Panel at any time via e-mail to PowerGenPanel@dps.ny.gov.
- > Commenters also may **call toll-free** the PowerGen Public Input Line at **1-833-498-2082**. This number is set up to take comments from in-state callers, 24 hours a day.