

MINUTES OF THE ONE HUNDRED FOURTEENTH MEETING OF THE  
PROGRAM PLANNING COMMITTEE  
HELD ON OCTOBER 5, 2021

Pursuant to a notice and agenda dated September 24, 2021, the one hundred fourteenth (114<sup>th</sup>) meeting of the Program Planning Committee (the “Committee”) of the NEW YORK STATE ENERGY RESEARCH AND DEVELOPMENT AUTHORITY (the “Authority”) was convened at 12:00 p.m. on Tuesday, October 5, 2021, by videoconference.

The following members of the Committee were present:

Sherburne Abbott, Chair of the Committee  
Arturo Garcia-Costas  
Sadie McKeown  
Frances Resheske

Members Kauffman, Bell, Dominguez and Koh were unable to attend.

Also, present were Doreen Harris, President and CEO; Janet Joseph, Senior Vice President for Strategy and Market Development; John Williams, Vice President for Policy and Regulatory Affairs; Peter J. Costello, General Counsel; Pam Poisson, Chief Financial Officer and Internal Control Officer; Sara LeCain, Senior Counsel and Secretary to the Committee; and various other staff of the Authority.

Ms. Abbott called the meeting to order. The meeting notice and agenda were forwarded to the Committee Members on September 24, 2021, and to the press on September 27, 2021. The meeting was held via videoconference, and Ms. Abbott asked Sara LeCain to conduct a roll call. Each Member indicated their presence.

Ms. Abbott indicated that the first two items on the agenda concerned the development of the Authority’s Strategic Outlook. These items were introduced by Senior Vice President for

Strategy and Market Development Janet Joseph. Director of Performance Management, Jennifer Meissner presented the first item.

Ms. Meissner discussed the progress of the Authority's primary mission outcomes and policy goals including renewable energy, energy storage efficiency, greenhouse gas reduction, and benefits to disadvantaged communities using charts to illustrate the Authority's progress. Ms. Meissner further discussed that the Authority's operating renewables currently make up 27% of the forecasted load by 2030 and that significant progress has been made in procurements over the past several years. Also, Ms. Meissner discussed that the procurement activity has consisted of a series of four Tier 1 REC solicitations resulting in the Authority's development of nearly 90 projects. Ms. Meissner noted that the recently announced Tier 4 contribution brings renewable energy into demand centers, and that the Tier 4 expectations will effectively bring the Authority's progress up to more than 60% renewable energy in the State.

Ms. Meissner discussed the Authority's offshore wind progress, the goal of 9,000 megawatts of offshore wind by 2035, emphasizing that over 50% of the contracted in and pipeline renewables are coming from offshore wind solicitations, two of which are procuring over 4,100 megawatts of capacity. Ms. Meissner also highlighted that the offshore wind solicitations have achieved roughly double what was expected and indicated that a third offshore wind solicitation will prioritize an additional 1,500 megawatts of capacity toward the first 70 by 30 renewable energy goal Ms. Meissner also noted the Authority's portfolio of five active projects, over 4,200 megawatts of total capacity achieves nearly 50% of the 9,000 megawatts goal. Ms. Meissner also discussed the 6,000 megawatts of distributed solar goal emphasizing that the NY SUN program is one of the most mature and long-standing portfolios and has a current goal to install 6,000 megawatts by 2025, soon to be updated to 10,000 megawatts by 2030, as proposed by Governor Hochul. Ms. Meissner highlighted that 2019 and 2020 were extremely strong years for distributed solar and noted that in 2020, New York was number one in the nation for community solar deployment and number two in the nation for distributed solar deployment.

Ms. Meissner reported on the declining cost of distributed solar over the past 10 years to nearly 70% per unit and mentioned the support of the New York Green Bank to finance billions

of overall project value in the State ensuring that the Authority is focusing on delivering benefits to disadvantaged communities.

Ms. Meissner further discussed the mission outcome and policy goals related to resilience and distributed energy systems. Ms. Meissner stated that the main policy goal is on the distributed or the installed storage goal: 1,500 megawatts by 2025 and double by 2030. Ms. Meissner explained that over \$300 million has been awarded to date on energy storage procurements. Ms. Meissner noted the Authority's focus on resilience and outlined some examples of current initiatives and solicitations on this topic.

With respect to greenhouse gas reductions, Ms. Meissner discussed the Authority's policy goal of achieving 40% reduction in emissions by 2030 and 85% by 2050. New York continues to be a leader in terms of carbon efficiency, and Jennifer pointed out what the Authority needs to accomplish the 85 by 50 goal.

Ms. Meissner ended the presentation by discussing three topics: the expansion of the clean energy economy through job growth; clean energy investments; and the draft scoping plan being prepared by the Climate Action Council.

The Committee asked questions and were satisfied with the responses.

Jason Doling, Vice President for Communities and Partnerships, presented on current and future progress of the Authority's Strategic Outlook.

Mr. Doling began the presentation by outlining the four strategic focus areas and identified where the Authority has made progress and noting where adjustments should be made to continue focusing on building an inclusive, clean energy economy around green jobs and healthy communities. Mr. Doling noted that the Authority has made progress on the climate justice fellowships, which found 150 individuals employment with companies or community-based organizations. Mr. Doling also discussed the clean energy hub, which was developed over a period of 18 months by working with local communities to establish a hub within each of the 10 economic

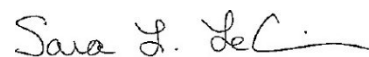
development regions. The purpose of the hub is to forge a network within a community that includes training providers and local community-based organizations. Mr. Doling also discussed the Authority's support of clean energy jobs noting that the Authority has partnered with companies that are funded through the Authority's incentive programs ensuring that every employment opportunity is maximized. Mr. Doling moved on to discuss fostering healthy and resilient communities noting the Authority's successes in working with local communities and governments to ensure training was entirely available online and that there is resiliency with the Authority's incentive programs.

John Lochner, Vice President of Innovation, presented on the progress and future focus of the Authority's work on New York State hydrogen strategy with the National Renewable Energy Laboratory (NREL). This work will compile foundational and baseline information across applications and assess opportunities for hydrogen to enable New York to meet its climate goals. Mr. Lochner noted that the Authority will be assessing hydrogen from an economic development perspective and some of the organizations the Authority has joined include the Global Center for Hydrogen Safety and the Collaborative Research Group. Mr. Lochner reported that a solicitation to support research and development and storage solutions capable of solving multi-day storage needs during peak events in the winter has been launched.

The Committee asked questions and were satisfied with the responses.

Ms. Abbott indicated that the last item on the agenda was other business. There being no other business, the meeting was adjourned.

Respectfully Submitted,



Sara L. LeCain  
Secretary to the Committee