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SABIN CENTER FOR CLIMATE CHANGE LAW

New York Climate Leadership and Community Protection Act and the transition to clean energy

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New York Climate Leadership and Community Protection Act of 2019

Reductions below 1990 greenhouse gas emission levels:

2015	8.5%
2030	40%
2050	85% (goal: 100% net)

Electric power demand to be met by:

2030	70% from renewables
2040	100% from “zero emissions”

Minimum requirements:

2025	Efficiency: 185 trillion BTU reduction below 2025 forecast [3,809 trillion BTU]
2025	6 GW distributed solar capacity [now: 1.5 GW]
2030	3 GW energy storage capacity [now: 0.039 GW]
2035	9 GW offshore wind capacity [now: 0]

CLCPA Process

Effective date: January 1, 2020

New York State Climate Action Council

- 22 members (12: state agency heads)

- Aided by at least six advisory panels and “just transition working group”

- Consult with Climate Justice Working Group

- January 1, 2022: Draft scoping plan

- April 5 – May 11, 2022: Public hearings

- June 10, 2022: Written comment deadline

- January 1, 2023: Final scoping plan

Department of Environmental Conservation

- January 1, 2024: issue binding regulations

Public Service Commission

- By June 30, 2021:

- Establish 70% by 2030 and 100% by 2040 programs

Draft Scoping Plan Public Hearings

Date	Time	Location
+ Tuesday, April 5, 2022	4:00 PM	Bronx
+ Wednesday, April 6, 2022	4:00 PM	Brookhaven
+ Tuesday, April 12, 2022	4:00 PM	Binghamton
+ Thursday, April 14, 2022	4:00 PM	Albany
+ Tuesday, April 26, 2022	4:00 PM	Syracuse
+ Wednesday, April 27, 2022	3:30 PM	Buffalo
+ Tuesday, May 3, 2022	4:00 PM	Brooklyn
+ Saturday, May 7, 2022	10:00 AM	VIRTUAL
+ Tuesday, May 10, 2022	4:00 PM	Tupper Lake
+ Wednesday, May 11, 2022	4:00 PM	VIRTUAL

The virtual public hearings will include live captioning in multiple languages. To view live captioning during the virtual hearings, attendees can join the presentation through PowerPoint Live using a computer or smartphone. [View details on how to use PowerPoint Live for live captioning](#) [PDF].

Hearings will be recorded and posted on the Climate Act website within three days, or as soon as practicable.

Written comments can be submitted through June 10, 2022, via the [online public comment form](#), via email to scopingplan@nyserda.ny.gov, or via U.S. Mail to Attention:

Working Entities

Climate Action Council (20 meetings)

Climate Action Council advisory panels

- Agriculture and Forestry (11 meetings)

- Energy Efficiency and Housing (10 meetings)

- Energy-Intensive and Trade-Exposed Industries (8 meetings)

- Land Use and Local Government (14 meetings)

- Power Generation (12 meetings)

- Transportation (17 meetings)

- Waste (8 meetings)

Just Transition Working Group (11 meetings)

Climate Justice Working Group (24 meetings)

Environmental Justice Advisory Group [not yet formed]

Environmental Justice Interagency Coordinating Council

Farmland Protection Working Group (2 meetings)

Figure 2. 2019 New York State GHG Emissions by Scoping Plan Sector

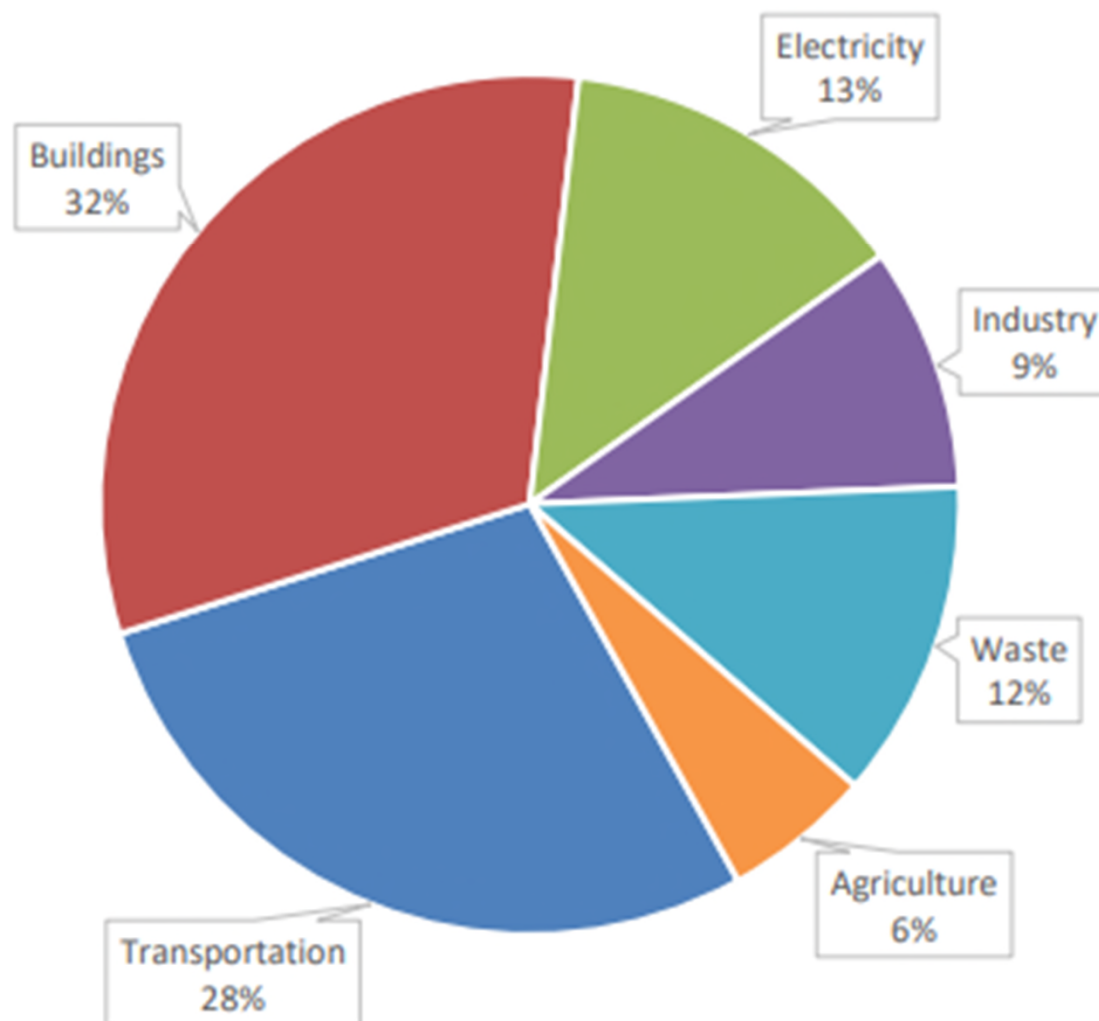
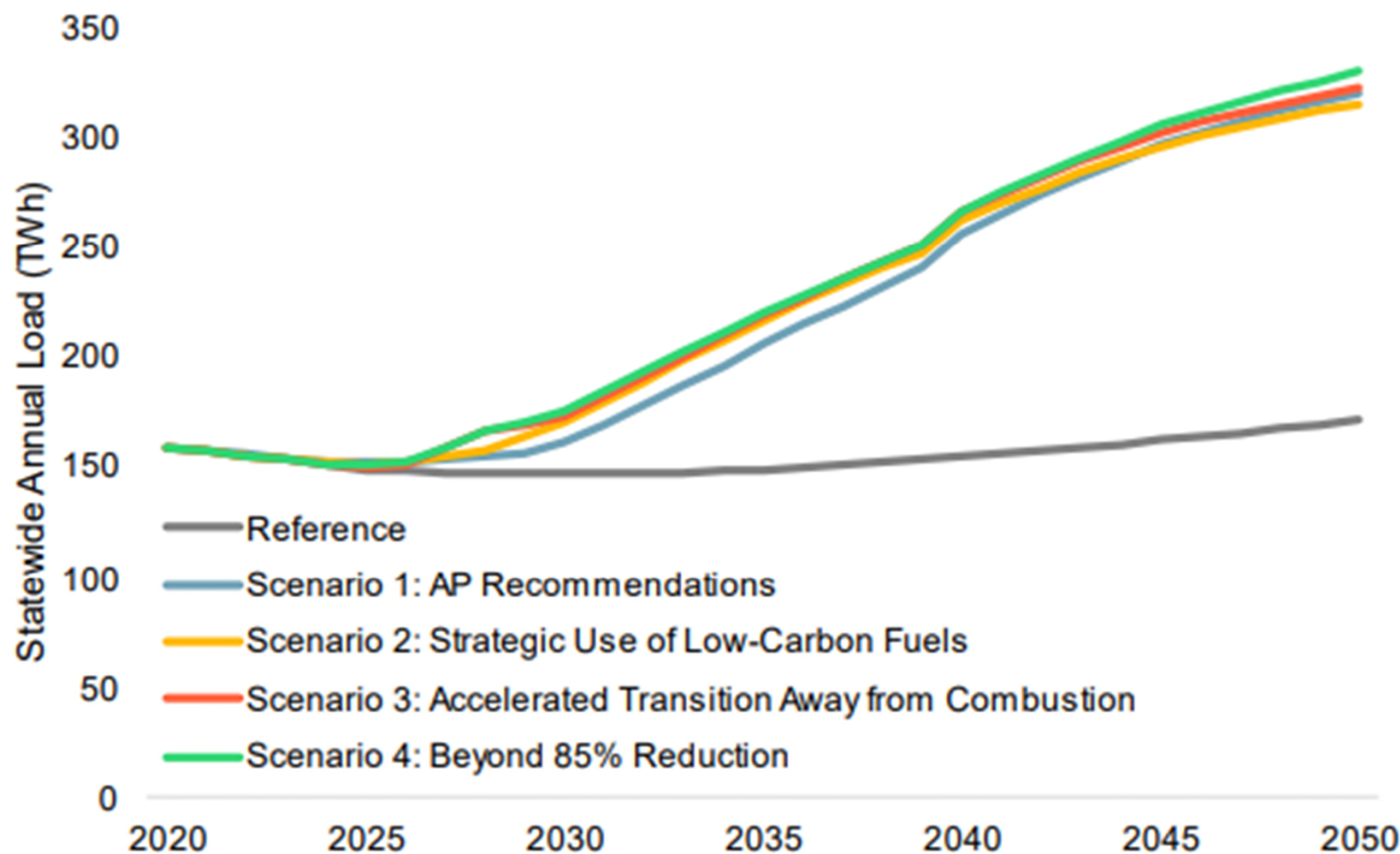


Figure 16. Statewide Annual Electric Load¹¹

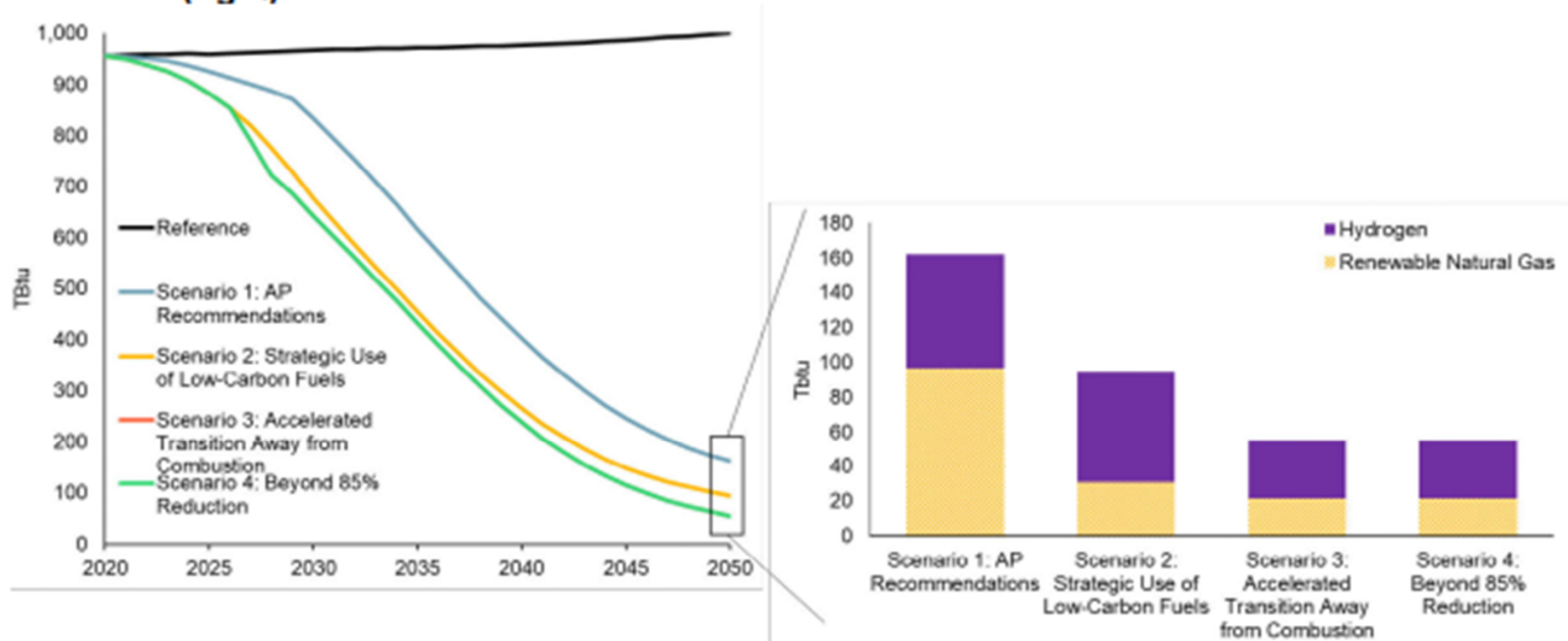


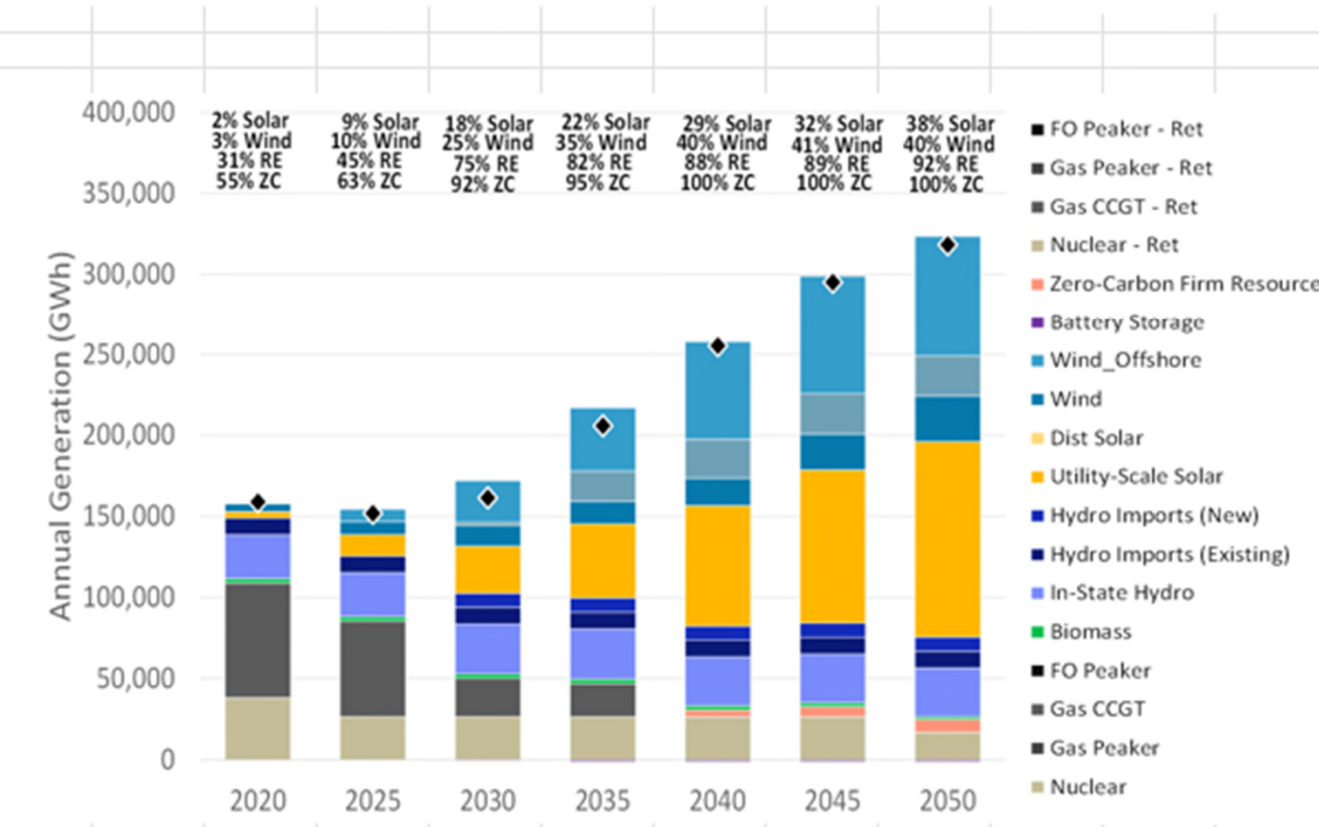
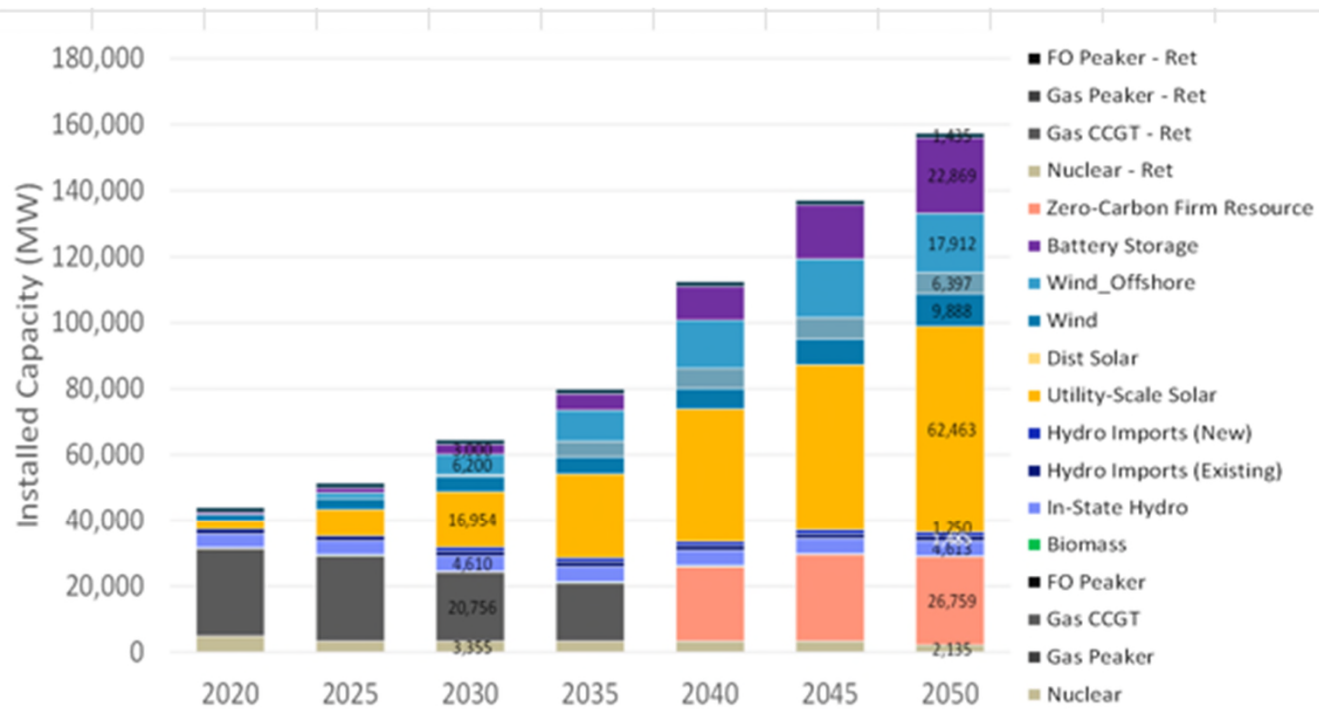
Annual electricity load (GWh)

Appx. G, Integration Analysis Technical Supplement, to NYS Climate Action Council Draft
Scoping Plan, December 2021 – Annex 2 Scenario 1

2020	159,025
2025	151,986
2030	161,416
2035	205,925
2040	255,294
2045	295,031
2050	318,285

Figure 18. Annual End-Use Gas Demand by Scenario (left) and 2050 End-Use Gas Demand by Fuel (right)¹⁴





Electricity Supply – GW Installed Capacity

Appx. G, Integration Analysis Technical Supplement, to NYS Climate Action Council
Draft Scoping Plan, December 2021 – Annex 2 Scenario 1

	2020	2030	2050
Land-based wind	1.9	4.7	9.9 = 25 Alle-Catt wind farms
Offshore wind	0	6.2	17.9 = 132 South Fork Wind farms
Imported wind	0	0.5	6.4
Solar	2.6	17.0	62.5 = 231 South Ripley solar farms
Fossil	26.4	20.8	0
Battery storage	0.7	3.0	22.9 = 70 Ravenswood battery facilities
Nuclear	4.9	3.4	2.1
Hydro (new: imports)	5.7	7.3	7.3
“Zero carbon firm resource”(hydrogen? small nuclear?)	0	0	26.8

New York State siting board approves \$345 million Genesee County solar farm

Harold McNeil Apr 6, 2022 Updated Apr 7, 2022 0

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Excelcior Energy Center has been granted approval to build and operate a 280-megawatt solar farm with 20 megawatts of battery storage in the Town of Byron in Genesee County, a siting board with New York State announced Wednesday.

The Board on Electric Generation Siting and the Environment's decision followed a detailed review and robust public participation process aimed at ensuring that the solar farm meets or exceeds all siting requirements. Siting Board Chairman Rory M. Christian, in a prepared statement Wednesday, said projects such as the Excelsior

Article 10 applications granted

Cassadaga Wind (126 MW) – 1/17/18

Eight Point Wind (101.8 MW) – 8/20/19

Baron Winds (242 MW) – 9/12/19

Number Three Wind (105.8 MW) – 11/12/19

Bluestone Wind (125 MW) – 12/16/19

Canisteo Wind (290.7 MW) – 3/13/20

Alle-Catt Wind (340 MW) – 6/3/20

Deer River Wind (100 MW) – 6/30/20

Mohawk Solar (90 MW) – 11/19/20

East Point Energy solar (50 MW) – 1/7/21

Hecate Energy Albany solar (100 MW) – 1/7/21

High River energy solar (90 MW) – 3/11/21

High Bridge Wind (100 MW) – 3/11/21

Flint Mine Solar (100 MW) – 8/4/21

Hecate Greene Co. solar (50 MW) – 9/28/21

Trelina Solar (80 MW) – 11/30/21

Excelsior Energy Solar (280 MW) – 4/6/22

New York Office of Renewable Energy Siting

Projects approved

Riverhead Solar 2 (36 MW)

Morris Ridge Solar (177 MW)

Heritage Wind (184.8 MW)

Watkins Glen Solar (50 MW)

Projects under review

Hemlock Ridge Solar (200 MW)

ConnectGen solar (270 MW)

Riverside Solar (100 MW)

Brookside Solar (100 MW)

Tracy Solar (119 MW)

Homer Solar (90 MW)

Greens Corners Solar (120 MW)

Cider Solar (500 MW)

Bear Ridge Solar (100 MW)

Horseshoe Solar (180 MW)

Shepherd's Run Solar (60 MW)

Moraine Solar (94 MW)

South Fork Wind Farm



The Hamptons Love Green Energy. But That Wind Farm?

The transmission line would go through an area where homeowners include the billionaire Ronald Lauder and Marci Klein, daughter of Calvin Klein.



Give this article

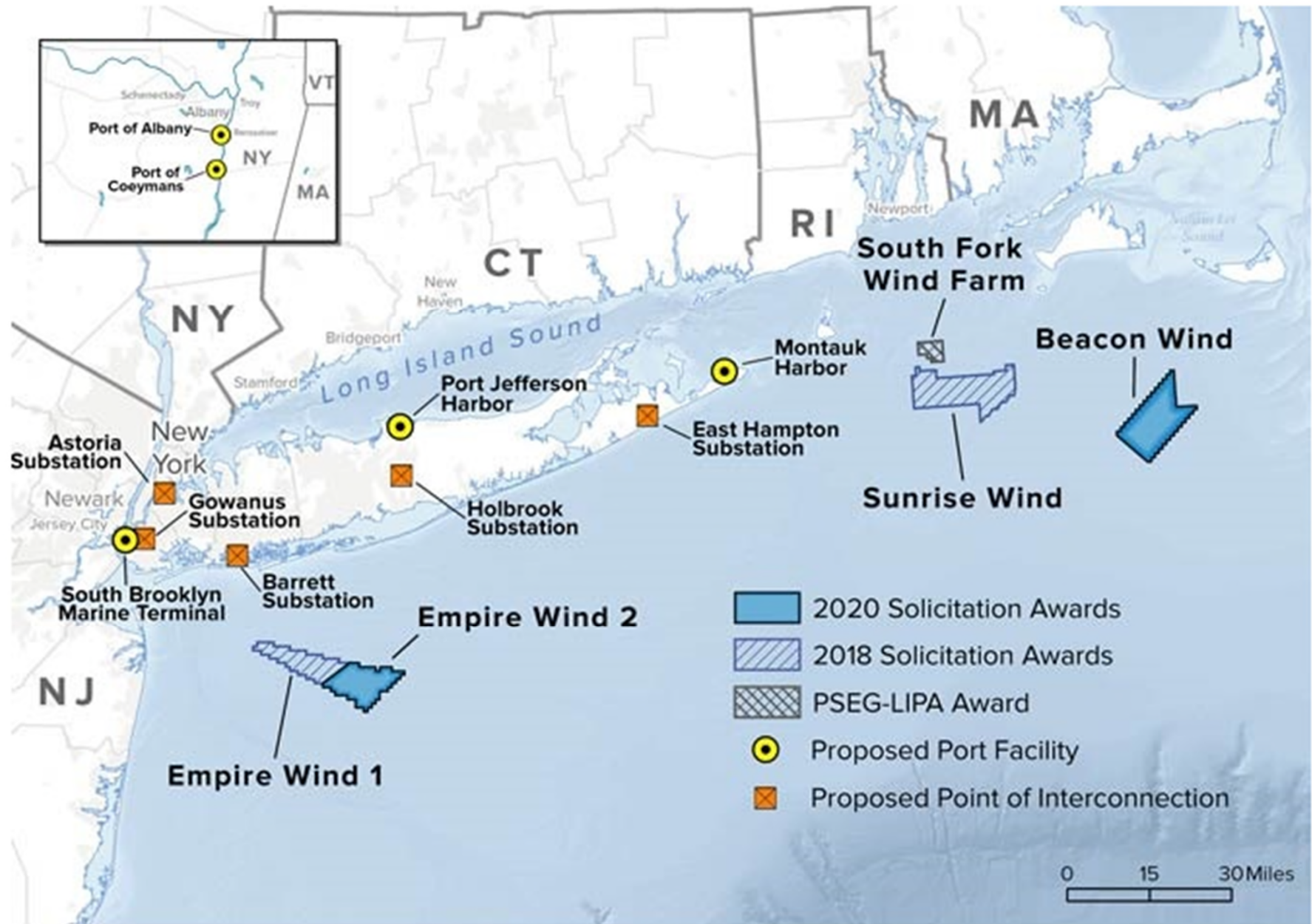


Michael Hansen, who lives in the Wainscott neighborhood in East Hampton, N.Y., supports an offshore wind farm there. The wind farm's transmission cable would be buried under the beach and roads. Johnny Milano for The New York Times

South Fork Wind Farm groundbreaking ceremony – February 11, 2022



New York Offshore Wind Projects





Port of Albany:
Marmen/Welcon Tower Factory



Port of Coeymans:
Advanced Foundation Manufacturing



South Brooklyn Marine Terminal:
Staging & Assembly Operations & Maintenance (O&M)



Port Jefferson/East Setauket:
Operations & Maintenance (O&M)

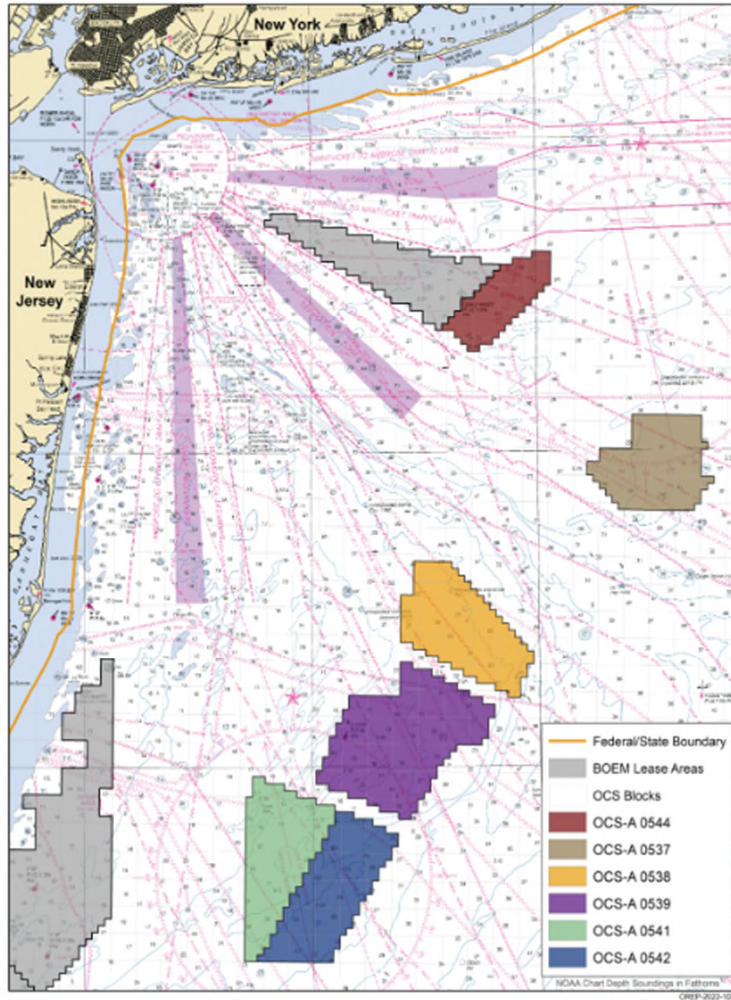


SUNY Stony Brook & Farmingdale:
\$20M Offshore Wind Training Institute (OWTI)



Suffolk County:
\$10M National Offshore Wind Training Center (NOWTC)

U.S. Bureau of Ocean Energy Management Wind Energy Auctions – February 23, 2022



Provisional Winners of the New York Bight Lease Areas, \$4.37 Billion in High Bids

OCS-A 0544

Mid-Atlantic Offshore Wind LLC, **\$285,000,000**

OCS-A 0537

OW Ocean Winds East, LLC, **\$765,000,000**

OCS-A 0538

Attentive Energy LLC, **\$795,000,000**

OCS-A 0539

Bight Wind Holdings, LLC, **\$1,100,000,000**

OCS-A 0541

Atlantic Shores Offshore Wind Bight, LLC, **\$780,000,000**

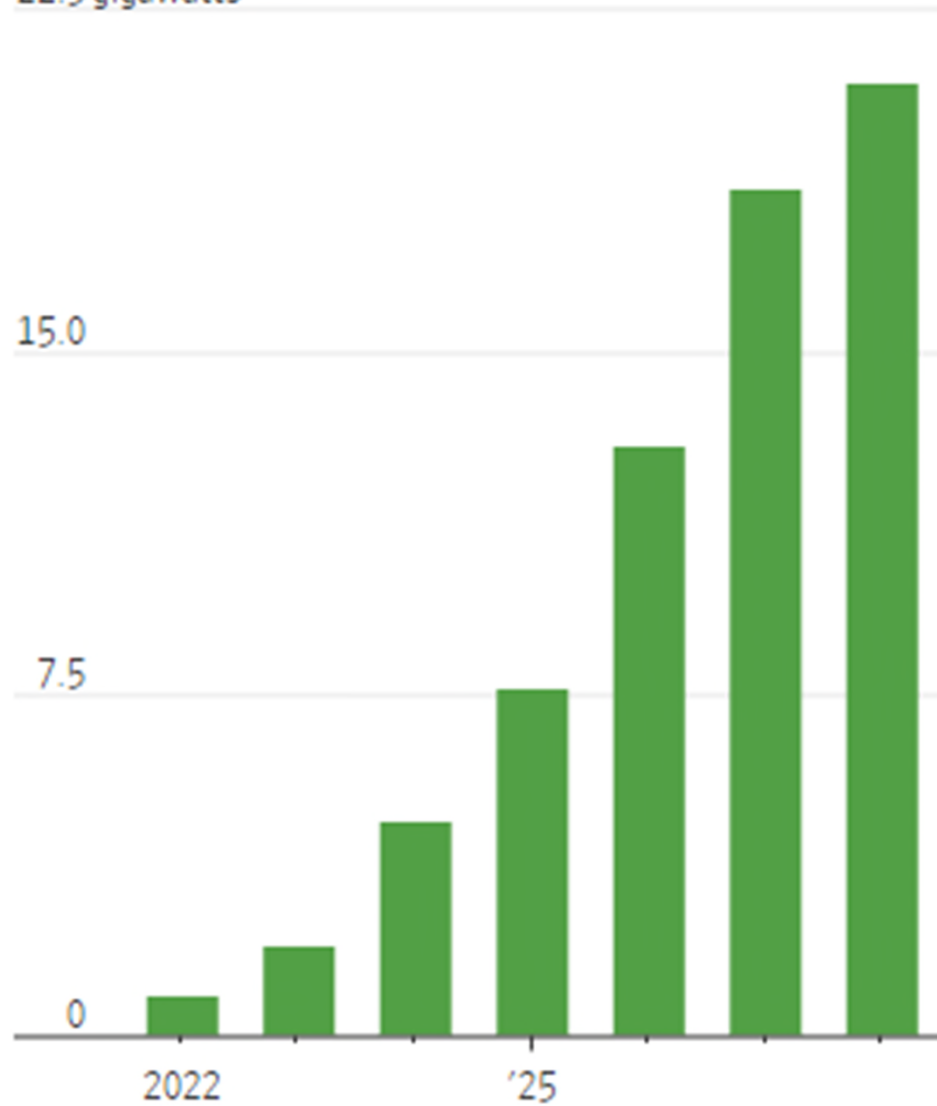
OCS-A 0542

Invenergy Wind Offshore LLC, **\$645,000,000**

BOEM
Bureau of Ocean Energy
Management

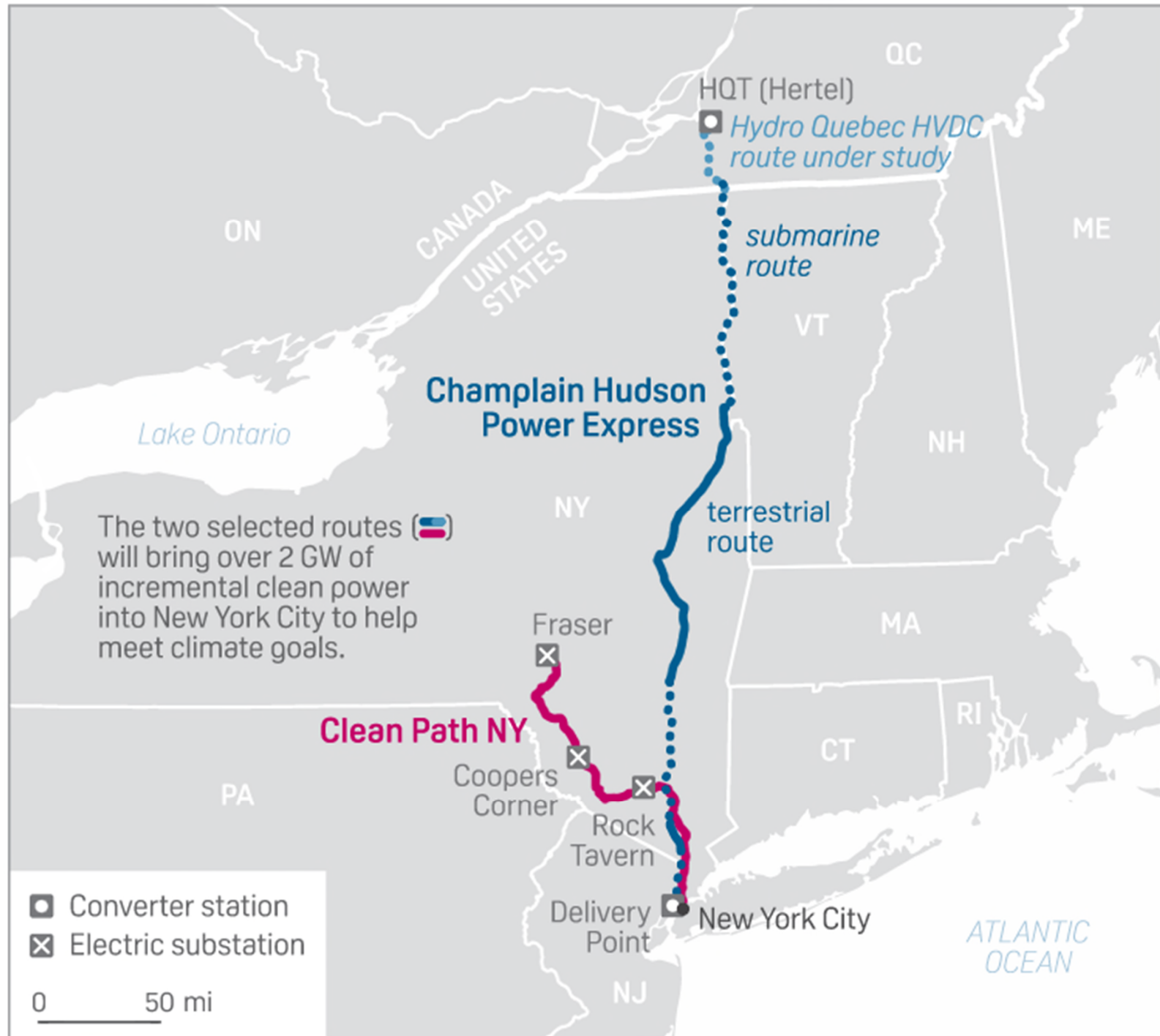
Planned U.S. offshore wind-energy capacity by year

22.5 gigawatts



Source: S&P Global Market Intelligence

NEW YORK SELECTS TIER 4 TRANSMISSION PROJECTS



Source: S&P Global Platts, NYSERDA, individual companies

Governor Hochul Announces Approval of New Framework to Achieve at Least Ten Gigawatts of Distributed Solar by 2030

Enough Clean Solar Energy to Power Nearly 700,000 Additional New York Homes Annually

April 14, 2022

Governor Kathy Hochul, in advance of Earth Week, today announced that the State Public Service Commission has approved a new framework for the State to achieve at least ten gigawatts of distributed solar by 2030, enough to annually power nearly 700,000 average-sized homes. The roadmap, submitted by the New York State Energy Research and Development Authority and the New York State Department of Public Service to the PSC, provides a comprehensive strategy to expand the state's successful NY-Sun initiative into one of the largest and most inclusive solar programs of its kind in the nation. Earth Week, which this year runs from April 18-22, is celebrated with events worldwide in support of the environment and to raise awareness for environmental protection and the care of our planet.

"The existential fight against climate change demands historic investments in renewable energy to bring us closer to a brighter, greener future," Governor Hochul said. "This roadmap to expand the NY-Sun initiative into a nation-leading blueprint for the development of distributed solar meets the moment to supercharge our economy and advance our climate goals."

The adopted framework includes an investment of \$1.5 billion in ratepayer-funded incentives to extend the successful NY-Sun program and continue the marked reduction in project cost and incentives observed in the last ten years. The public investment will spur approximately \$4.4 billion in private investment to bring awarded projects to fruition, for a total of \$5.9 billion in expected investment over the mid- to late-2020s. 6,000 additional solar jobs will be created across the state, including with the State's first application of prevailing wage requirements for solar projects between one and five megawatts.

Major Challenges in Meeting New York Goals

Nuclear will be almost gone

~~Trump administration weakening of CAFÉ standards~~

Phaseout of gasoline, diesel vehicles; EV charging infrastructure

Retrofit of existing buildings; NYC Local Law 97

Increased electricity demand from electrification of transport,
space heating & cooling

Retirement of virtually all natural gas generation

“Fossil-free gas” and hydrogen

Massive buildout of solar and wind

Workforce; supply chains; siting

Intermittency of solar and wind

Transmission: upstate grid 88% zero emission; downstate, 27%

Difficult-to-abate industrial, agricultural sectors



The New York State Climate Law Tracker monitors New York's progress in implementing its path-breaking Climate Leadership and Community Protection Act, Environmental Justice Law, Community Risk and Resiliency Act, and Accelerated Renewable Energy Growth and Community Benefit Act.

Actions can be sorted by deadline or responsible entity, and readers may use the keyword filter to search for actions based on subject matter, statute, or whether an action is overdue. Overdue actions are also highlighted in red. The tracker provides links to relevant [abbreviations](#) and [definitions](#), a list of [officials](#) who are responsible for implementing New York's climate laws, and [related resources](#) such as blog posts and articles.

Readers may download the tracker's data as a spreadsheet by clicking "Download CVS." Please note that in Excel, \$ will