

Happy November everyone. Finally, an end to all the political commercials!

Mutual Aid

MEUA Electric Crews aided Avangrid/NYSEG in two locations in New York State starting on October 8th.

Linemen crews from Churchville, Holley, Endicott, Fairport and Spencerport went to Oneonta, New York. Additionally, crews from Lake Placid, Massena, Solvay and Tupper Lake went to the Clifton Park area in Saratoga County. The crews at both locations were released on Saturday morning, October 10th. Though this was a short Mutual Aid duration, it is important that the MEUA crews render help when asked if possible, as the State is getting less patient with outages, penalties will continue to be issued by the State for poor performance.

Appointment of New York City Council Member and Former Assembly Member Rory Lancman to Department of Public Service Will Further Efforts to Hold Utilities Accountable

Governor Andrew M. Cuomo today announced that, in the wake of repeated failures by utility and telecom companies to meet their obligations to New Yorkers, he has appointed Rory Lancman, a seasoned lawyer and legislator, as statewide Special Counsel for Ratepayer Protection. In this role, Lancman will represent the interests of residential and commercial customers of New York's regulated electric, gas, water, and telecom companies, with

the ability to participate as a party in Public Service Commission proceedings, conduct hearings and investigations, undertake discovery to compel documents and testimony, and otherwise marshal the resources of the Department of Public Service to safeguard the interests of ratepayers and hold accountable those utilities and telecoms which fail to meet their contractual and regulatory obligations to their customers.

"Utility companies do not have a God-given right to operate in New York, and when they abuse and bully consumers, they must be held accountable. I am creating a new position of Special Counsel for Ratepayer Protection at the Department of Public Service to help ensure that happens," **Governor Cuomo said.** "Rory Lancman has a long record of public service and his background makes him ideally suited to help protect the interests of New Yorkers and ensure they get the service they deserve."

The Special Counsel may make presentations to the New York State Public Service Commission at its monthly meetings on findings and file regular reports to the Commission assessing the operations of such utilities. The Special Counsel may also issue reports, hold forums with consumers and stakeholders in the community and various industry sectors, and make recommendations regarding the necessity of legislation, will also have a dedicated website landing page that will refer complaints from consumers for investigation by the Special Counsel.

Department of Public Service CEO John B. Rhodes said, "The Department of Public Service applauds Governor Cuomo for selecting such an outstanding public servant as Mr. Lancman to join the agency and to help ensure ratepayers' interests are protected. Mr. Lancman will be an invaluable asset in our efforts to oversee utilities in New York State."

Specifically, as Special Counsel, Mr. Lancman will review the performance of all utilities in New York across all sectors — electric, natural gas, private water, and telecommunications. His primary role will include determining whether utilities are making the investments required; whether utilities are performing as required; whether utilities are responding adequately to consumers — both

residential and commercial; and whether utilities are complying with renewable energy goals and standards. As Special Counsel, Mr. Lancman will enhance and strengthen the Department's existing protections of utility consumer interests.

2020 MEUA Linemen Graduation

The 2020 Apprentice Linemen Class graduated with a ceremony and dinner at the Woodcliff Hotel on October 22nd.

Eight linemen received their diplomas after a four-year training school.

Linemen that graduated were:

- Willie Bencze, Tupper Lake
- Bernard Jakiela, Ilion
- Nicholas Lewis, Theresa
- Derrick Nickerson, Westfield
- Aaron Soles, Bath
- Tom Spaeth, Solvay
- Cody Thomas, Philadelphia
- Douglas Wappat, Mayville



Congratulations to all— Good Luck & Stay Safe.

Thank you to Bill Hesson for providing the professional training for our Apprentice Programs and our Safety & Training Classes.



Chris Wentlent: 2020 November NYISO Advisor Report

Happy Thanksgiving! I hope you and your families have a safe, and peaceful Thanksgiving.

NYISO

Management Committee Vice Chair Nomination

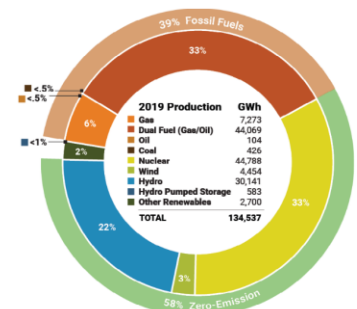
– Chris Wentlent, NYMPA and MEUA representative at the NYISO was appointed to the Vice Chairman role of the NYISO *Management Committee*. This committee approves all planned market changes that ultimately go to the NYISO Board and Federal Energy Regulatory Commission for final approval before implementation. The nomination will allow NYMPA/MEUA to play an important role in assisting the NYISO in their market transition.

NYISO System Reliability and High Intermittent Resource Penetration on the Electric Grid

The *following blog was recently created by the NYISO*; it is timely and important for our municipal systems to consider:

Solar, Wind, and Energy Storage: The Ups and Downs of Clean Energy on the Grid

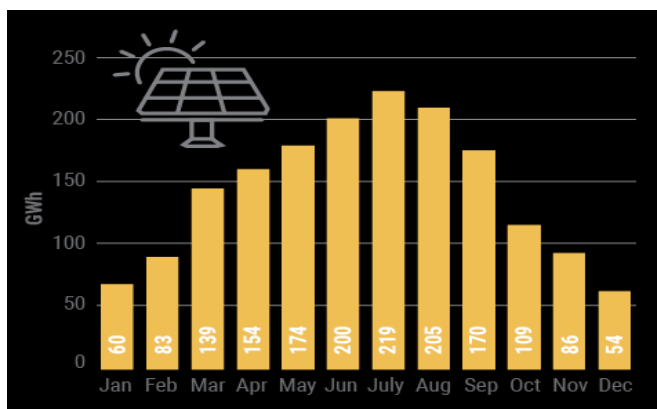
Figure 14: NYCA Energy Production by Fuel Source - Statewide, Upstate & Downstate New York: 2019



One of the challenges of New York’s growing use of clean energy resources is the intermittent nature of solar and wind power.

Most energy based on the sun comes from what we call “behind-the-meter” (BTM) resources. BTM resources supply electric energy to an end-user on site. However, these resources still impact the grid, because the more BTM solar energy used, the less energy consumers need to take from the grid. That means we, as managers of the grid, must account for BTM solar when determining how much energy the grid needs to supply.

To do this, we’ve partnered with New York State Mesonet and other atmospheric properties. This data helps our control room operators factor in the amount of power coming from these photovoltaic cells, and thus how much less power will be needed from grid-based energy sources.



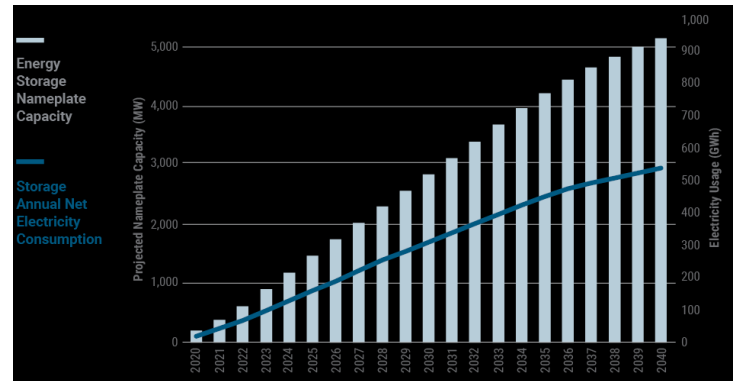
Of course, as the chart above shows, solar power can be counted on for just part of the day: the most around noon on a sunny day, getting less and less as the day goes on. But while the sun shines brightest at noon, power demand on peak days (for instance, during heat waves in summer or a cold snap in winter) is often in the late afternoon and evening.

Wind energy is also, of course, dependent on nature. On January 11 of this year, NYISO experienced a record-setting level of wind energy production, providing about 11% of the state’s energy needs. Yet in 2019, there were 64 instances when wind resources supplied less than 100 megawatts (MW) to the grid for more than 8 hours.

While New York is poised to significantly increase its wind resources, especially through proposed

offshore wind projects, *we will continue to need more fast-ramping resources and energy storage technology to get us through periods when the wind isn’t blowing or the sun isn’t shining.*

We’ve announced industry-leading rules for energy storage. This development makes the NYISO the first ISO/RTO to allow full participation of these resources and helps position the state to meet the aggressive mandates in the Climate Leadership and Community Protection Act.



One way we can offset the intermittent nature of solar and wind is by growing the number of energy storage resources (ESRs). As you can see by the above chart, we expect these resources to grow to more than 5,000 MW by 2040. However, ESRs increase net annual electricity consumption due to energy losses that arise from charging and discharging cycles.

To keep the grid balanced and reliable, New York’s bulk power system will need a full portfolio of resources that can be dispatched in response to any change in real-time operating conditions.

NYISO Phase 2 Climate Change Report

In 2020, NYISO contracted with Analysis Group (AG) to complete Phase II of the Climate Change Impact and Resilience Study (“Phase II Study”)

This Study is designed to review the potential impacts on power system reliability of the (1) electricity demand projections for 2040 developed in the preceding Climate Change Phase I Study and (2) potential impacts on system load and resource availability associated with the impact of climate change on the power system in New York.

The High-Level Results and Observations

- Climate disruption scenarios involving storms and/or reductions in renewable resource output can lead to loss of load occurrences. *Electrification, particularly in the building sector transforms New York into a winter peaking system.* Thus, loss of load occurrences due to climate disruptions in the winter are deeper and occur more scenarios than in the summer.
- The variability of meteorological conditions that govern the output from wind and solar resources presents a fundamental challenge to relying on those resources to meet electricity demand.
- Battery storage resources help to fill in voids created by reduced output from renewable resources, but periods of reduced renewable generation rapidly deplete battery storage resource capabilities.
- Dispatchable Resources (DE) needed to balance the system in many months must be significant in capacity and able to come online quickly and be flexible enough to meet rapid, steep ramping periods. This carbon free DE technology that must still be developed.
- The current system is heavily dependent on existing fossil-fuel resources to maintain reliability, and eliminating these resources from the mix will require an unprecedented level of investment in new and replacement infrastructure, and/or the emerging zero carbon fuel source mentioned above.
- Overall, the key reliability challenges identified in the study are associated with both how the resource mix evolves between now and 2040 in compliance with the Climate Leadership and Community Protection Act (CLCPA) and the impact of climate change on meteorological conditions and events that introduce additional reliability risks.

[esilience%20Study%20Phase%20II%20Final%20Report_APPROVED%20-%20No%20Appendices.pdf/7ec19a60-a023-9167-c5a1-b0f02d6cabb6](https://www.nyiso.com/documents/20142/16311872/03b_Climate%20Change%20Impact%20and%20Resilience%20Study%20Phase%20II%20Final%20Report_APPROVED%20-%20No%20Appendices.pdf/7ec19a60-a023-9167-c5a1-b0f02d6cabb6)

California Outages

Recently, California experienced rotating outages in the August 2020 timeframe. The details of what happened are still being analyzed. Potentially, the final reports will provide additional information for other energy markets such as the NYISO to evaluate. The NYISO and New York State Reliability Council continue to monitor this activity to determine what lessons learned should be considered for New York State.

As many energy systems convert from a one-way, traditional power station model to a two-way multi-resource system – the careful balancing of energy, cost, resiliency, and reliability will become more highlighted. The California scenario will likely have lessons that can be applied at many of the energy markets around the country.

Medium and Long-Term Considerations – as the columns above reveal, our current energy system is heading toward significant change. The system will require transmission infrastructure to move renewable energy around the state, significant additions of wind, solar and energy storage, new ramping resources to fill the gaps that occur with wind and solar intermittency, and an energy system that will convert from a traditional summer peaking system to a winter peaking system.

These changes are significant because our municipal systems are winter peaking. The additional load requirements created by electrification (transportation and heating) will make our association even more winter peaking. Traditionally, we have seen the highest energy pricing during winter severe conditions where high load demand occurs because of heating, and natural gas availability is constrained due to natural gas being used in the generation, commercial, industrial, and heating sectors. As higher demand occurs during this period, hedging of energy needs

The complete report is available at:
https://www.nyiso.com/documents/20142/16311872/03b_Climate%20Change%20Impact%20and%20Resilience%20Study%20Phase%20II%20Final%20Report_APPROVED%20-%20No%20Appendices.pdf/7ec19a60-a023-9167-c5a1-b0f02d6cabb6

will become more and more important. Our municipal systems need energy price certainty to effectively manage their budgets. Higher weather, resource and fuel variability coupled with higher winter load demand places an even greater importance on how our system energy needs are managed in the future.

MEUA Municipal Member Employment Advertisements

Marathon: Linemen

The **Village of Marathon**, an equal opportunity employer, is accepting resumes for an Electric Utility Worker (Lineman). Minimum qualifications are high school graduation and journeyman lineman certification. This work consists of erection, installation and maintenance of overhead and underground electric distribution systems. Work requires rigid observance of safety protocol, working during inclement weather conditions, climbing utility poles and handling high voltage. Supervision and inspection may be exercised over work while in progress and upon completion.

The successful candidate may, from time to time, be assigned to other duties consistent with the operation of a municipal electric utility. Salary will be dependent on relevant experience. The Village of Marathon offers a competitive benefits package.

Resumes must be submitted to Village of Marathon, P.O. Box 519, Marathon, NY 13803 or may be dropped off at the Village Office, 18 Tannery Street, Marathon, NY. Please contact Eric Leet at 607-849-6795 or email marathonpower@stny.rr.com with any questions.

Wellsville: Lineworker

The **Village of Wellsville**, Department of Public Works, is presently accepting applications to fill a vacancy in the Municipal Electric Division. This position will require working with high voltage electric and will encounter working at considerable heights in possible adverse conditions.

The position will also require completion of a 4-year apprentice Lineworker program as set forth by the Municipal Electric Utilities Association and the NYS Department of Labor.

Qualifications – The ideal candidate will possess an Associate’s Degree from an accredited electrical trade school or three (3) years of equivalent experience in the commercial electric trade, a valid NYS CDL driver’s license, and reside within a fifteen (15) minute drive of the Village of Wellsville.

Applications will be accepted at the Village of Wellsville, Department of Public Works, 200 Bolivar Road, Wellsville, NY 14895 through 09/04/2020. The Village of Wellsville is an Equal Employment Opportunity Employer.

Churchville: Lineworker

The **Village of Churchville**, an equal opportunity employer, is accepting resumes for a full time Electric Utility Worker. This work consists of construction, installation and maintenance of overhead and underground electric distribution systems. Responsibilities require strict observance of safety protocol, working during inclement weather conditions, occasional nights & weekends, climbing utility poles, and handling high voltage. Supervision and inspection may be exercised over work while in progress and upon completion.

The successful candidate may, from time to time, be assigned to other duties consistent with municipal operations that may require heavy lifting. The position will also require completion of a 4-year apprentice Lineworker program as set forth by the Municipal Electric Utilities Association.

Minimum Qualifications – High School diploma or equivalency diploma, a valid NYS CDL driver’s license, and reside within a twenty (20) minute drive of the Village of Churchville. Experience working on a power distribution system preferred.

Salary will be dependent on relevant experience. The Village of Churchville offers a

competitive benefits package. Drug screen, DOT physical and background check required.

Resumes must be submitted to Village of Churchville, Attn: Paul Robinson P.O. Box 613, Churchville, NY 14428 or may be dropped off at the Village Office, 23 East Buffalo Street, Churchville, NY.

Solvay: Assistant Electric Department Superintendent

Salary Range: \$75,000-85,000 Annually
Start Date: January 2021

Job Description:

The work involves responsibility for assisting in the daily management and supervision of the Village of Solvay Electric Department. An employee in this class is responsible for scheduling and directing the day-to-day and long-term activities of various departments and the crews. Under general supervision of the Electric Department Superintendent, an employee in this class carries out work in accordance with general policies of the Village Board of Trustees and its Electrical Committee with wide leeway for the exercise of independent judgment in carrying out technical duties of the work. General supervision is exercised over a large number of technical and clerical subordinates. An employee in this class is required to be on call at all times in order to direct staff during emergencies. Does related work as required.

Work Activities:

Assists in managing, planning, organizing and directing departmental activities involving the operation, construction, maintenance, repair and modification of the village electrical distribution system. Schedules, directs and supervises day-to-day operations for the line departments.

Responsible for the layout and design of new line replacements and inspects installation and repair of distribution system and advises Superintendent of problems. Maintains SCADA system and responsible. Assists in overseeing the procurement and installation of equipment including transformers, switching equipment, instrumentation,

and storage facilities. Assists in studying load and system problems to devise methods to solve same. Works with Superintendent, Electric Commission and Solvay Village Board to develop and implement written policies and procedures. Assists Superintendent in identifying training needs for staff; trains and documents safety training of personnel. Assists in evaluating effectiveness and development of personnel. Oversees all interaction with contractors and staff; schedules and manages work of contractors. Coordinates with outside agencies and community at large on projects requiring modification or expansion. Attends board meetings and executive sessions for input and discussion on all policy and personnel issues. Supervises line workers as well as technical and clerical subordinates. Acts for Superintendent in the latter's absence.

Necessary Skills and Abilities:

Good knowledge of the principles and practices of maintenance and operation of a village electrical system. Good knowledge of the management, planning, and development of electrical power programs. Good knowledge of power distribution concepts and implementation. Good knowledge of the principles and practices of supervision. Ability to develop plans, work schedules, programs, and designs for construction, repair, and modification of electrical utilities. Ability to evaluate and suggest changes to policies. Ability to promote Solvay Electric Department's community commitment while meeting overall goals. Ability to plan, direct and supervise effectively the work of subordinate employees. Ability to coordinate and schedule work assignments.

Minimum Qualifications:

Five (5) years of professional supervisory level work experience, or its part-time equivalent, in business management which must have included operations planning and job cost analysis, while working or contracting for a municipal or private electric power company.

NOTE: Electrical contracting work must have been with a municipal or private electric power company. Home, building construction or industrial contracting does not qualify.

Please email resume and references to hdecarlo@villageofsolvay.com for consideration.

Solvay: Electric Department Superintendent

Salary Range: \$80,000-90,000 Annually
Start Date: January 2021

Job Description:

The work involves responsibility for the daily management and supervision of the Village of Solvay Electric Department. The Superintendent is responsible for planning construction, coordinating operation of power stations, transmission lines, and distribution systems, and supervising staff. An employee in this class carries out work in accordance with general policies of the village board of trustees and its Electrical Committee with wide leeway for the exercise of independent judgement in carrying out technical duties of the work. General supervision is exercised over a large number of technical and clerical subordinates. Does related work as required.

Work Activities:

Manages, plans, organizes and directs all departmental activities involving the operation, construction, maintenance, repair and modification of the village electrical distribution system.

Reviews information relating to the extension and development of village territory and resulting increase in demand for service and plans to meet these demands.

Oversees the procurement and installation of equipment including transformers, switching equipment, instrumentation, and storage facilities. Formulates and presents to the Mayor and Village Board, budgets, financial requirements, and long and short-term goals, with the supporting data for discussion and approval.

Initiates, evaluates, accepts and submits major capital expense items and policy revision recommendations to the Mayor and Board for consideration and approval.

Studies load and system problems to devise methods to solve same.

Represents and works with the Board, at meetings,

contract negotiations and in public relation matters. Supervises line workers as well as technical and clerical subordinates.

In the absence of the representative for the MEUA, must interface with regulatory agents such as PSC, NYPA, NYMPA, and the electric commission.

Necessary Skills and Abilities:

- Thorough knowledge of the principles and practices of maintenance and operation of a village electrical system.
- Thorough knowledge of the management, planning, and development of electrical power programs.
- Good knowledge of the principles and practices of administration. Good knowledge of the principles and practices of supervision.
- Ability to develop plans, work schedules, programs, and designs for construction, repair, and modification of electrical utilities.
- Ability to direct, coordinate, and supervise the activities of the department.
- Ability to make effective written and oral presentations.
- Ability to communicate effectively with the public.
Physical condition commensurate with the demands of the position.

Minimum Qualifications:

Six (6) years of professional supervisory level work experience, or its part-time equivalent, in business management which must have included operations planning and job cost analysis, working or contracting for a municipal or private electric power company.

NOTE: Electrical contracting work must have been with a municipal or private electric power company.

NOTE: Home, building construction or industrial contracting does not qualify.

Please email resume and references to hdecarlo@villageofsolvay.com for consideration.