

Expanded Peak Load Forecasts An Important Tool For Member Utilities

MMMWEC is upgrading its peak load forecasting service, which enables Members to better manage their distributed energy resources and peak loads.

Previously, MMWEC staff would use the ISO-New England forecast and other data to identify for Members the likely annual coincidental peak load period. The peak load affects the calculation of Members' capacity costs.

With the new enhanced program, daily forecasts which include a rolling advance seven-day forecast will be sent to each Member system and their designated staff. MMWEC will continue to predict the annual coincidental peak, but will also predict the monthly peaks, which have an impact on the calculation of transmission costs. In both cases, MMWEC has expanded the data relied upon to make

peak load forecasts.

This enhancement is a result of an analysis that found correlations between variables which include weather, demand, seasonal outages and other factors. These correlations allow for the inclusion of assigning probabilities to the forecast. It is being timed to be rolled out in advance of the summer months, which have a high probability of seeing the annual coincidental peak load and monthly coincidental peak load.

The enhancement comes as Members increasingly require information and capabilities for dispatching behind the meter generation, including battery storage facilities. MMWEC staff is working with Members to develop even more granular forecasts, which are critical to the effective operation of this type of equipment. ∞

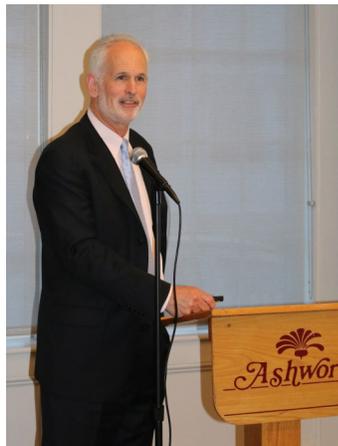
MMWEC Conference Focuses on Maintaining Independence during Times of Transition

Staying ahead of the curve while maintaining energy independence during times of transition was the focus of the 2017 MMWEC Annual Conference, which was held May 4 and 5 in Hampton, New Hampshire.

The conference began with an MMWEC Project Participants Day, which included presentations on each of MMWEC's Power Supply Projects: Stony Brook, Wyman Unit 4, Millstone Unit 3 and Seabrook Station. MMWEC's Director of Engineering and Generation Assets, Ed Kaczinski, and Director of Accounting and Financial Reporting Carol Martucci highlighted the unique strengths of MMWEC's fossil fuel assets, and the role flexible, fast-start generation can play by complementing the increase in renewables on the grid.

Millstone representatives Ken Holt, Manager of Nuclear Communications, and Jeff Langan, Manager of Licensing for

Millstone owner Dominion Resources, detailed Millstone's benefits to the environment and the economy; proposed Connecticut legislation supporting the plant; and current and future challenges facing Millstone, including uncertain energy markets.



Paul Levy of the ISO-New England Board of Directors

In addition, the day featured a comprehensive overview of the Seabrook Station nuclear power project's carbon-free attributes by Seabrook/NextEra Spokesman Alan Griffith and Engineering Supervisor Ed Carley on-site in Seabrook, New Hampshire. Forty people participated in a tour of the Seabrook plant.

The evening's keynote speaker was Paul Levy of the ISO-New England Board of Directors. Levy worked for the state's energy department in the 1970s and played a role in the creation of MMWEC.

Levy's talk focused on transmission and resource developments helping to reduce energy and reliability costs. He discussed the benefits of transmission upgrades and the increase in emerging technologies, including various energy storage Technologies. He said municipal light departments are uniquely qualified to advance new technologies because of the local control and autonomy they hold.



NextEra / Seabrook Station Spokesman Alan Griffith

A panel discussion kicked off day two of the conference. It featured Aaron Marks, Senior Research Analyst at IHS Markit, David Hardin, Chief Architect at Smart Energy Power Alliance, and Paul Zummo, Director of Policy Research and Analysis, Regulatory Affairs, for the American Public Power Association. The panel was moderated by

Leadership and Service Awards Presented at MMWEC Annual Conference

MMMWEC recognized two individuals and a municipal light department during its awards presentation at the 2017 MMWEC Annual Conference.

The Francis H. King Leadership Award, the James E. “Jim” Baker Service Award, and the Philip W. Sweeney Public Service Award were bestowed on recipients during the evening event.

The Francis H. King Leadership Award was presented by Chairman of the MMWEC Board of Directors Michael Flynn to the Peabody Municipal Light Plant.



PMLP General Manager Glenn Trueira

The award is named in honor of Francis H. “Frank” King, a founder of MMWEC, who served MMWEC as president, chief executive officer, gubernatorial appointee to the Board of Directors and

president emeritus. A 38-year veteran of the Holyoke Gas & Electric Department, King was one of 15 incorporators of the American Public Power Association and a founder of the American Public Gas Association.

The King Award recognizes exceptional leadership and dedication to public power joint action, demonstrated by a long-term commitment to the ideals of public power and the philosophy of MMWEC. Officials of MMWEC or MMWEC Member utilities with at least 10 years of involvement in the organization are eligible to receive this leadership award.

Peabody Municipal Light Plant, recipient of the King Award, has been working for municipal utility

independence since the 1960s. The utility was involved in a landmark case decided by the Massachusetts Supreme Judicial Court in 1964, which gave PMLP fiscal autonomy from the City of Peabody, and awarded the same independence to all municipal light plants.

In a federal case in the 1970s, Peabody won the right to install its own high voltage substations and tie directly into the private transmission grid, allowing open market purchases of power.

PMLP is a founding member of MMWEC, and its representatives have served in many different roles and capacities in support of the organization, dating back to the early 1970s. Today, Peabody General Manager Glenn Trueira is in his fourth term on the MMWEC Board of Directors.

In addition, PMLP is an important participant in most of MMWEC’s power supply projects.

The James E. Baker Service Award was presented posthumously by Wakefield Municipal Gas & Light Department General Manager and MMWEC President Peter Dion to William J. Wallace, former manager of the Wakefield light department.

Wallace died in 2014. Wallace’s wife, Judith, and children Bill and Wendy, were present to accept the award.

The Baker Award is named in honor of the former manager of the Shrewsbury municipal utility who spearheaded an initiative leading to the independence of Massachusetts municipal utilities and the creation of MMWEC. Jim Baker and the Shrewsbury utility brought a complaint

to the Federal Power Commission in 1960, after the New England Power Company, the predecessor of National Grid, refused to sell power at wholesale to the Shrewsbury municipal.



Jim Engel of Ipswich

With the FPC decision four years later, municipal systems were established as utilities in their own right, entitled to purchase power from wholesale suppliers.

Baker went on to become a key player in the creation of MMWEC, serving as chairman from its inception in 1969 until 1983.

The Jim Baker Award recognizes distinguished service to the MMWEC

organization, including service as a director, officer or member of an MMWEC committee for at least five years.

Wallace, the recipient of the award, served on the MMWEC Board of



From left, Bill and Wendy, Judy Wallace and Peter Dion of WMGLD

Directors from 1983 through 1988, and again from 1998 through 2000. He served as chairman of the Board’s Energy Committee for many years. Wallace dedicated his working life to public power, joining the Wakefield utility as a cadet engineer in 1964 and retiring as general manager 43 years later.

The Philip W. Sweeney Public Service Award was presented by

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MMWEC’s Executive Director of Energy & Financial Markets, Matthew Ide. Panelists shared their views on regional and national trends relating to technology advances and market regula-



Manager of Nuclear Communications for Millstone, Ken Holt

tions that will affect the business model of municipal light plants in the region.

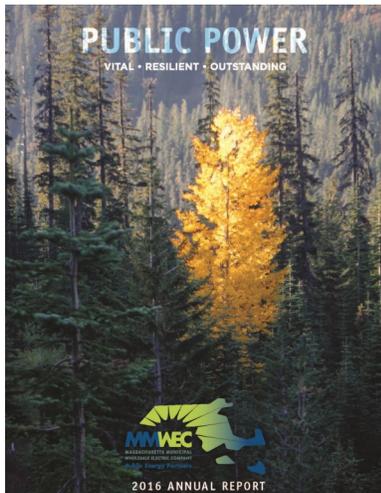
MMWEC’s emerging technologies team presented on challenges to energy independence for municipal light plants, the evolving grid and ways that MLPs can turn challenges into opportunities. Other topics included community solar, the state’s solar incentive program, battery storage, electric vehicles and chargers, and grants and project funding.

A report on the Berkshire Wind project by Kaczynski and Martucci wrapped up the conference. ∞

MMWEC Annual Report Details Member Commitment to Clean Energy Goals

MMMWEC’s 2016 annual report takes a closer look at the evolving electric industry and the role municipal light departments are playing in supporting state, regional and federal clean energy goals.

This year’s annual report, “Public Power: Vital – Resilient – Outstanding,” delves into the public power business model and how it has enabled Members to best serve their customers. Public power utilities are publicly owned and operated, existing for the citizens of the communities they serve. Locally and independently controlled, they are not-for-profit. MMWEC, on their behalf, can issue tax-exempt bonds to finance a wide variety of energy resources.



2016 MMWEC Annual Report

The report details the benefits of public power and how MMWEC and municipal utilities are adapting to the changing energy landscape. The 46% carbon-free power portfolio of the MMWEC member utilities shows that municipal utilities have embraced the Commonwealth’s clean and renewable energy goals, without a mandate to do so. The report features several photos of members’ carbon free projects.

As municipal utilities work consistently to adapt their programs and services to changes in the electric industry, they will continue to do their part to remain vital, resilient and outstanding members of the communities in which they serve. View the report on MMWEC’s website at www.mmwec.org. ∞

MMWEC Elects Directors, Officers; Dion Wins 9th Term as President

Several directors and officers were elected to new terms at May 24 meetings of the MMWEC membership and Board of Directors.

Peter D. Dion, general manager of the Wakefield Municipal Gas & Light Department, was re-elected by the MMWEC membership to his ninth one-year term as president of MMWEC.

Michael J. Flynn, a gubernatorial appointee and Town of Wilbraham representative to the MMWEC board, was elected by the board to his fifth one-year term as chairman.

Representatives of MMWEC’s 20 member municipal utilities also voted to fill three, three-year terms on the MMWEC board. They elected Glenn Trueira, general manager of the Peabody Municipal Light Plant; James M. Lavelle, general manager of the Holyoke Gas & Electric Department; and John Driscoll, general manager of the Templeton Municipal Light & Water Plant.

Additional MMWEC officers for the coming year, as elected by the board, are Ronald C. DeCurzio, chief executive officer and secretary; Matthew J. Ide, treasurer; Stephen J. Smith, assistant treasurer; Peter H. Barry, general counsel; and Nancy A. Brown, assistant secretary.

Other MMWEC directors are Sean Hamilton, general manager of the Sterling Municipal Light Department; Jeffrey R. Cady, manager of the Chicopee Electric Light Department; Joseph M. Sollecito, director of the Mansfield Municipal Electric Department; and Kevin Kelly, manager of the Groton Electric Light Department. Charmaine White of Springfield is a gubernatorial appointee to the MMWEC board. Other town representatives on the board are Luis Vitorino, representing the Town of Ludlow, and Cornelius Flynn, representing the Town of Hampden.

The MMWEC board consists of 12 director positions, with seven directors elected by MMWEC Members, two appointed by the governor of Massachusetts, and three representing the towns of Ludlow, Wilbraham and Hampden. ∞

MMWEC Members Receive Reliability, Safety Recognition from APPA

Two MMWEC Members are being recognized by the American Public Power Association. The Sterling Municipal Light Department has received a Reliable Public Power Provider designation, and both SMLD and the Boylston Municipal Light Department have earned the APPA's Safety Award of Excellence.

The Reliable Public Power Provider (RP3) designation was awarded to 110 of the nation's more than 2,000 public power utilities this year. The designation, which lasts for three years, recognizes public power utilities that demonstrate proficiency in four key disciplines: reliability, safety, workforce development and system improvement. Criteria include sound business practices and a utility-wide commitment to safe and reliable delivery of electricity. SMLD earned the Platinum Level RP3 designation.

"We're honored to be recognized as a Reliable Public Power Provider," said Sean Hamilton, General Manager for the Sterling Municipal Light Department. "The Board of Commissioners and our

entire staff work hard to provide reliable service and RP3 recognizes our commitment to serving the community of Sterling."

In addition, the Sterling light department has been recognized by the Smart Electric Power Alliance, a non-profit organization dedicated to working with electric power stakeholders through the most pressing issues affecting the growth and utilization of smart energy. SMLD tops SEPA's "Storage Top 10" list, leading the nation in storage watts per customer, with 533 watts, following the 2016 installation of new battery storage technology. In 2014, SEPA also recognized SMLD, this time for being tops in "Solar Watts Per Customer."

Hamilton said there are many parties to thank for the SEPA award.

"This would not have been possible without collaboration between the Town of Sterling, the SMLD and many others who contributed," Hamilton said. "This includes a \$1,463,000 grant from the Community Clean Energy

Resiliency Initiative from the Massachusetts Department of Energy Resources, a \$250,000 grant from the U.S. Department of Energy, and technical support from Dr. Imre Gyuk, Sandia National Laboratories and the Clean Energy States Alliance."

Two other MMWEC Members, the Holyoke Gas & Electric Department and the Mansfield Municipal Electric Department, were awarded the three-year Reliable Public Provider designation in 2015.

APPA's Safety Award for safe operating practices in 2016 was presented to 111 utilities. Boylston Municipal Light Department and SMLD received first place honors for having no work-related reportable injuries or illnesses in 2016.

"The BMLD is proud of our employees receiving the 2016 APPA Safety Award," said Boylston Municipal Light Manager Mark Barakian. "The linemen and staff have made safety the number one priority in the workplace, and receiving this award highlights their commitment." ∞

Leadership, Service, Public Service Awards.....continued from Page 2

Ipswich Municipal Light Department Manager Jonathan Blair to James Engel of Ipswich.

The Sweeney Award is named in honor of the director of MMWEC, chairman of the Marblehead Municipal Light Department Board of Commissioners and member of the APPA Policy Makers' Council. It recognizes exceptional service to the public or in the public arena that advances the goals of public power.

Engel was first elected to the Ipswich Board of Selectmen, which also serves as the Municipal Light Board, in 1985. In total, he served five three-year terms as an Ipswich Selectman/Light Commissioner. In addition, Engel has served on the Ipswich Electric Light Subcommittee for about 15 years, and also serves on the Ipswich Water and Wastewater subcommittees. ∞

Massachusetts Municipal Wholesale Electric Company

MMWEC

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