

WEST BOYLSTON MUNICIPAL LIGHTING PLANT

4 Crescent Street, West Boylston, Massachusetts 01583

Telephone (508) 835-3681

www.wbmlp.org

Where does your electricity come from?

Your Municipal Lighting Plant (WBMLP) is a “public power” utility created by the citizens of West Boylston in 1908. WBMLP provides reliable, clean, and low-cost electric service to West Boylston’s residents and businesses. WBMLP operates as a nonprofit electric utility governed by locally elected public officials. Local control is the hallmark of the public power business model and decisions about our specific strategies, goals, and power supply are made at public meetings of the WBMLP Board of Light Commissioners. WBMLP offers distinct benefits to our owner-customers, including:

- Responsiveness to customer concerns – every citizen is an owner with a direct say in our policies
- Commitment to energy conservation, safety, and the environment
- Local control of rates, energy supply, incentive programs, and distribution system design

For over a century, WBMLP provided the citizens and businesses of West Boylston with dependable, low-cost electricity. For more information call **508-835-3681**, stop by the office, or visit us at www.wbmlp.org.

Below is a table of where West Boylston’s electricity came from in 2018. Your energy supply includes a diverse mix of reliable, clean, and low-cost generation.

West Boylston's Sources of Energy in 2018	
31%	Nuclear, Seabrook NH
19%	Hedged Energy Purchases, ISO-NE
14%	Nuclear, Millstone CT
14%	Realtime/Day-Ahead Market Purchases, ISO-NE
5%	Hydroelectricity, Imported from New York
4%	Wind, Berkshire Wind, Hancock MA
4%	Solar, Community Shared 1, West Boylston
3%	Wind, Hancock County Maine
2%	Hydroelectricity, Eagle Creek Hydro NH
2%	Natural Gas, Stony Brook Energy, Ludlow MA
1%	Wind, Princeton MA
1%	Solar & Flywheel Energy Storage, West Boylston
0.3%	Oil, Stony Brook Energy, Ludlow MA
0.05%	Solar, West Boylston, Residential Net Metered
0%	Solar, Community Shared 2, West Boylston (2019)
100%	Total

50% was imported hydroelectricity and nuclear generation which emitted "0" greenhouse-gases (WBMLP retains all the environmental attributes from this generation)

9% was solar and wind generation, qualified as “renewable energy” under the MA RPS program (WBMLP sells these renewable attributes but plans to retire them at a future date)

West Boylston Municipal Light Plant's Energy Portfolio

West Boylston owns or purchases a diversified mix of generation, the majority of which emits no greenhouse gases (GHG). Our long-term financial planning and contracting is unique to MLPs and results in low and stable prices for our customers. The major sources of energy in your electricity bill come from these generators:

SOLAR

Solar 1: WBMLP's 370-kilowatt solar system is located on Shrewsbury Street. More than 1,760, 210-watt panels generate approximately 1% of West Boylston's energy needs. This project started generating electricity in 2011 and is expected to operate through 2035. WBMLP currently sells the renewable energy attributes (RECs) from this project and plans to retire the SREC I qualified RECs once they convert to class I RECs at the end of 2020.

Community Shared Solar 1: Our second solar system became operational in December 2016 and is located on Temple Street. This 1.5-megawatt solar system features over 6,000, 320-watt panels that generate approximately 4-5% of WBMLP's annual energy requirements. Customers subscribe for the energy output through a community shared model. WBMLP currently sells the renewable energy attributes (RECs) from this project and plans to retire the SREC II qualified RECs once the SRECs convert to class I RECs in 2026.

Community Shared Solar 2: This 786kW solar system was energized January 2019. WBMLP purchases 100% of the energy and environmental attributes from this roof-top system on Shrewsbury Street. This project will produce approximately 2% of our annual energy requirements. WBMLP currently sells the renewable energy attributes (RECs) and plans to retire the SREC II qualified RECs after March 31, 2028, when the SRECs convert to class I RECs.

WIND

Berkshire Wind: WBMLP and 13 other municipal light plants (MLPs) own and share the output of 10 1.5-megawatt wind turbines located in Hancock, MA. This site began generating in 2011, produces approximately 4-5% of WBMLP's annual energy requirements, and is expected to operate through 2036. WBMLP currently sells the renewable energy attributes (RECs) from this project and plans to retire the REC's once the project loan is repaid.

Hancock Wind: WBMLP and 16 MLPs purchase 37.5-megawatts of wind power from Hancock Wind in Maine. WBMLP expects this contract to provide approximately 2-3% of its annual energy requirements through 2041. WBMLP does not own the environmental attributes from this project.

Princeton Wind: WBMLP purchases 17% of the 3-megawatt, two turbine, wind project located in Princeton MA. It provides about 1.4% of WBMLP's annual energy requirements through 2023. WBMLP does not own the environmental attributes from this project.

HYDRO

New York Power Authority: WBMLP purchases and imports hydroelectric power from the New York Power Authority (NYPA). This 53-megawatt contract, signed in 1985, is shared by all 40 MLPs in Massachusetts. This non-GHG-emitting resource meets approximately 4-5% of WBMLP's energy needs through 2057.

Eagle Creek Hydro: In 2013 WBMLP began a hydroelectricity energy contract with Eagle Creek Hydro in New Hampshire. This contract supplies 2% of WBMLP's energy needs through 2033.

NUCLEAR

Seabrook Station: WBMLP and 27 other MLPs own approximately 144-megawatts of non-GHG emitting energy from this generating plant in Seabrook, NH. This resource generates approximately 25-33% of WBMLP's annual energy supply and is expected to generate through 2050.

Millstone Unit 3: WBMLP is one of 27 MLPs that own approximately 59-megawatts of this non-GHG emitting nuclear plant in Waterford, CT. It generates approximately 12-14% of WBMLP's annual energy supply and is expected to generate through 2045.