

PEABODY MUNICIPAL LIGHT PLANT

Light Subjects



Community Owned. Not for Profit. It's Ours.

Third Quarter, 2021

EMERGENCIES 24/7 978-531-5975

OFFICE INFO:

201 Warren St. Ext.
Peabody, MA 01960
978-531-5975

HOURS:

Weekdays 8:30 a.m. - 4:30 p.m.

PAYMENT OPTIONS:

Online: Download mobile app for Android or Apple, or visit PMLP.COM

Over the Phone by Card:

Call our cashier at 978-531-5975.

Through your bank:

Arrange automatic payments by calling customer service.

Check By Mail:

PO Box 3199, Peabody, MA 01961

Drop Box Locations:

- ~ PMLP (7 a.m. - 11 p.m.)
- ~ City Hall (24/7)
Chestnut Street side
- ~ Torigian Senior Center *
75R Central St
- ~ Peabody Institute Library *
32 Main Street
- ~ South Branch Library (24/7)
78 Lynn Street
- ~ West Branch Library (24/7)
603 Lowell Street

* - During their regular hours.

Do not leave cash.

WEBSITE:

www.pmlp.com

MANAGER:

Charles J. Orphanos

COMMISSIONERS:

Thomas M. D'Amato, *Chairman*
William C. Aylward, *Vice Chair*
Charles W. Bonfanti, *Secretary*
Thomas J. Paras
Robert O. Wheatley

Commissioners meet monthly during the school year in the PMLP McCarthy Auditorium at 6:30 p.m. on the 4th Thursday, except in November and December when meetings are held on the 3rd Thursday.

Public Power Week: LED Bulbs for Free

Every year, the first week of October is recognized as Public Power Week, and this year it is set for October 3-9.

After 130 years serving the community, we continue to be proud to offer electricity in a safe and reliable manner at a reasonable cost.

2021 LED Bulb Sale

Leading up to Public Power Week, we will again offer energy-saving LED bulbs for your home. The pick-up date is Saturday, October 2.

Last year, we hosted a safe and successful event, and we learned a few things too. We introduced online ordering and drive-thru pick up.

This year, we will again take orders online at www.pmlp.com, and we will have your order ready

when you arrive at a designated time.

As a PMLP residential ratepayer, you will qualify for up to 10 lamps. (Some styles have a limit.)

Bulbs will again be free, and like last year, we will ask you to make a freewill donation to the North Shore Community Action Program.

Why NSCAP? We have partnered with NSCAP for over 35 years to help income-eligible people conserve energy in their homes and save money on heating fuel, cooling, and electricity costs. NSCAP also offers fuel assistance to those who qualify.



Here is the 2021 selection of LEDs:

Standard Style

9W (comparable to a 60-watt incandescent.)

15W (comparable to a 100W incandescent.)

3-way (4W/9W/15W)
(Limit: 2)

Decorative Style

Bent tip 3.5W with E12 candelabra base

Bent tip 3.5 W with E26 regular base

Flood Lights

Mini Flood 7W

Outdoor Flood 15W
(Limit:2)

Recessed Lights

Indoor 15W

Nightlight

0.5W Nightlight



More than 2,000 cities and towns in the United States light up their homes, businesses and streets with “public power” – electricity that comes from a community-owned and -operated utility.

PMLP has supplied electricity to Peabody and South Lynnfield since 1891, making it one of the oldest in the nation.

PMLP is owned by the community and run by

local people with oversight by elected commissioners accountable to the citizens.

While each public power utility is different, reflecting its hometown characteristics and values, all have a common purpose: providing customers in the community with safe, reliable, not-for-profit electricity at a reasonable price while protecting the environment.

Elementary School Kids Learn About Solar



Students learn to power a motor with solar power.



The program was offered in all fourth grade elementary classes. This group is from the Center Elementary School.



PMLP Manager, Charles Orphanos, helps with an electric circuit.

For over 30 years, PMLP has sponsored a science fair for elementary school students.

The focus has been for kids to work together to learn about electricity and conservation.

In 2020, schools were closed due to COVID-19, and the science fair was effectively shut down. In 2021, many restrictions were still in place. It wasn't looking good for our traditional competition.

Working with science teachers and school leaders, we found an option that would work. With the support of the Peabody Municipal Lighting Commission, PMLP donated hundreds of Deluxe Solar Education Kits so the 4th grade students could learn important lessons in circuitry, voltage, current, and how solar energy worked.

The program was rolled out soon after students returned to the classroom, and being a hands-on project, it was introduced at the right time.

It was a success by all accounts.

Kits were also shared with 5th graders who missed out on a science fair last year due to COVID-19.

It is rewarding to see the young people of our community become interested in the environment, and to discover the challenges we face as a community.

Who knows? We might have inspired a young student to enter a career in public power!

PMLP and the Decarbonization Roadmap

If you are a residential customer of PMLP, your electric bill is calculated based on the amount of energy you use every month measured in kilowatt-hours (kWh). PMLP needs to purchase all of the power required to meet our customers' needs but the manner in which we do so is regulated and involves more variables.

In addition to purchasing all of the energy needed to serve our customers, PMLP is required by ISO-New England to purchase *capacity*. Capacity is defined as the ability to generate electricity at times when it's needed most. The cost of capacity is a significant part of PMLP's power bills, but is not transparent on the electric bills of our residential customers.

PMLP's energy portfolio is increasingly being satisfied with renewables including wind (Berkshire Wind,

Hancock Wind) and hydro (Eagle Creek, Hydro Quebec). In 2022, as part owners of a solar project based in Ludlow, MA, we will be adding more solar to that mix. We support and are on target to meet the MA decarbonization goal of 50% carbon-free by 2030, and ultimately 100% by 2050.

While renewable projects go a long way to fulfill our energy requirement, because they cannot be dispatched, they are not able to satisfy a significant part of our capacity requirement. Thermal peaking plants, which can be turned on quickly during critical times of system stress, are able to satisfy a significant part of our capacity requirement while only playing a minor role in our energy portfolio. Peabody's existing generation assets, as well as the new 2015A asset, play a vital role as capacity resources to stabilize and keep

our capacity costs low.

The "MA Decarbonization Roadmap" sites the need for thermal peaking plants as part of the bridge to a decarbonized energy future. That plan states that "Thermal generators that have traditionally operated by following electricity demand will need to shift to a 'peaking' or 'gap-filling' reliability role in the coming decades as they operate fewer and fewer hours and cease to be providers of bulk electricity... Forcing the retirement of all thermal capacity in the electricity system, rather than capping or managing emissions and operational profiles as part of new reliability service markets, represents an unnecessary operational risk to the regional energy system that is likely to ultimately result in higher costs for consumers and higher environmental impact."