



1 in 7 Americans - or 40 million
are Community Powered.
They get electricity from one
of over **2,000 public**
power utilities, like the GHBLP.

Community members like you
help public power utilities
make decisions.

Public power utilities aren't
motivated by profits to sell
more power. We help you
reduce energy use through
our Energy Optimization Programs.

93,000 people in the U.S.
have hometown jobs thanks
to public power.

*Learn more about public
power and the benefits we
provide to our community at*

wearecommunitypowered.com

greatblue

The Board of Light & Power partnered with Great Blue Research, Inc., an innovative company with 36+ years of dedicated customer survey work, to conduct our Third Annual Customer Satisfaction Survey. The random telephone surveys will take place the first two weeks of December 2018. Every voice matters as we plan for the future direction of the GHBLP. Please be sure to participate if you're contacted for our random Customer Satisfaction Survey.



Your Board of Directors:

Jack Smant, Chairperson
Gerald Witherell, Vice Chairperson
Larry Kieft, Director
John Naser, Director
Jim VanderMolen, Director

Grand Haven Board Of Light & Power
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PLUGGED IN

News and Information from your Community-Owned Electric Utility
Grand Haven Board of Light & Power



**November
& December 2018**



ENERGY INDUSTRY is Third Largest Industry in the U.S.

GHBLP Transmission System Upgrades – Phase III

The Board of Light & Power will begin Phase III of our Transmission System Upgrade Project in early 2019 to ensure we are able to import and export power to and from Grand Haven to the regional transmission grid. These upgrades will provide our customers with improved reliability and increased access to lower wholesale power costs and renewable energy purchases. When our local power plant is offline for scheduled maintenance or a forced outage, and we are not generating electricity locally, we purchase power from other suppliers through the Michigan Public Power Agency, a Midcontinent Independent System Operator (MISO) Market Participant and receive power via the regional transmission grid. The GHBLP's internal transmission system is connected to the regional transmission grid at the north and south ends of our system and is a key component of reliability.

Energy Markets

Energy markets are commodity markets that deal specifically with the trade and supply of energy.

The energy industry is the third-largest industry in the United States. According to SelectUSA, in 2013, this market was expected to invest over \$700 billion over the next two decades. These investments allow for large amounts of advancement in technological development in future years.

Grand Haven Board of Light & Power is situated within the MISO regional transmission organization's central region. MISO is a not-for-profit member-based organization that ensures reliable, least-cost delivery of electricity across all or parts of 15 U.S. states and one Canadian province. In cooperation with stakeholders, MISO ensures the right amount of electricity is generated, minute-by-minute, and is distributed

across approximately 65,000 miles of high voltage transmission lines.

MISO ensures the regional transmission grid is maintained at a 99.99% system reliability.

MISO manages a multi-billion dollar energy market, bringing together the buyers and sellers of the electric grid. To ensure fair, efficient and competitive markets, MISO requires organizations to register as Market Participants before participating in its Open Access Transmission, Energy and Operating Reserve Markets.

As a Market Participant, organizations become a legal entity certified by MISO to submit bids to purchase energy, submit offers to supply energy and operating reserve, hold financial transmission or auction revenue rights and other market-related activities.

As a MISO Market Participant, Michigan Public Power Agency, Michigan's largest Joint Action Agency, buys and sells power on behalf of their 22 municipally owned electric utility members, including Grand Haven Board of Light & Power.

MISO provides approximately \$3.0 billion in regional annual benefits driven by enhanced reliability, more efficient use of the region's existing transmission and generating assets, and a reduced need for new assets.

Key Facts about MISO:

- 99.99% system reliability
- 42 Million end-use customers
- 400+ market participants
- \$25 billion energy market
- 5-minute dispatch to over 6,000 electric generating units

Sources: [Wikipedia.org/wiki/EnergyMarket](https://en.wikipedia.org/wiki/EnergyMarket); www.misoenergy.org

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LED LIGHTING THIS HOLIDAY SEASON

- Saves you money on your electric bill.
- Ensures your lighting investment lasts longer because LED technology is much more durable.
- Saves your foliage from burns because LEDs stay cool to the touch, even after being on for hours.
- Offers the richest, brightest holiday colors!

*May your
Holidays be
Merry &
Bright...and
Cost Less!*

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