

Meridian Energy Team



History

- 2007: Meridian Energy Team created -- Meridian joined 1060 communities in signing the [U.S. Mayors Climate Protection Agreement](#)
- 2008-16
 - Energy Strategy, Energy Efficiency Community Block Grant
 - Technical Energy Assessments
 - Energy Improvements & Demonstration Projects
 - Community Solar/Solar Garden Research
 - Sustainability Tours, Sustainability & Climate Action Plan, Master Plan
- 2017: Climate Action Plan, Community Solar Park
- 2018: Solar Project on Public Safety, Solarize Meridian Workshops

More at <http://recycle.meridian.mi.us/energy/>

Annual Energy Expenditures

- \$350,000 annually on streetlighting
- \$300,000 on electricity and natural gas – buildings and pumps
- \$100,000 on fuel (vehicles)
- ~5000 metric tons of CO₂ annually
(not including embodied energy in materials and waste disposal/recycling)
- \$100,000,000 (entire township)

The Sustainability & Climate Action Plan...

- Energy Efficiency
- Renewable Energy
- Recycling & Waste Reduction
- Transportation
- Water Management

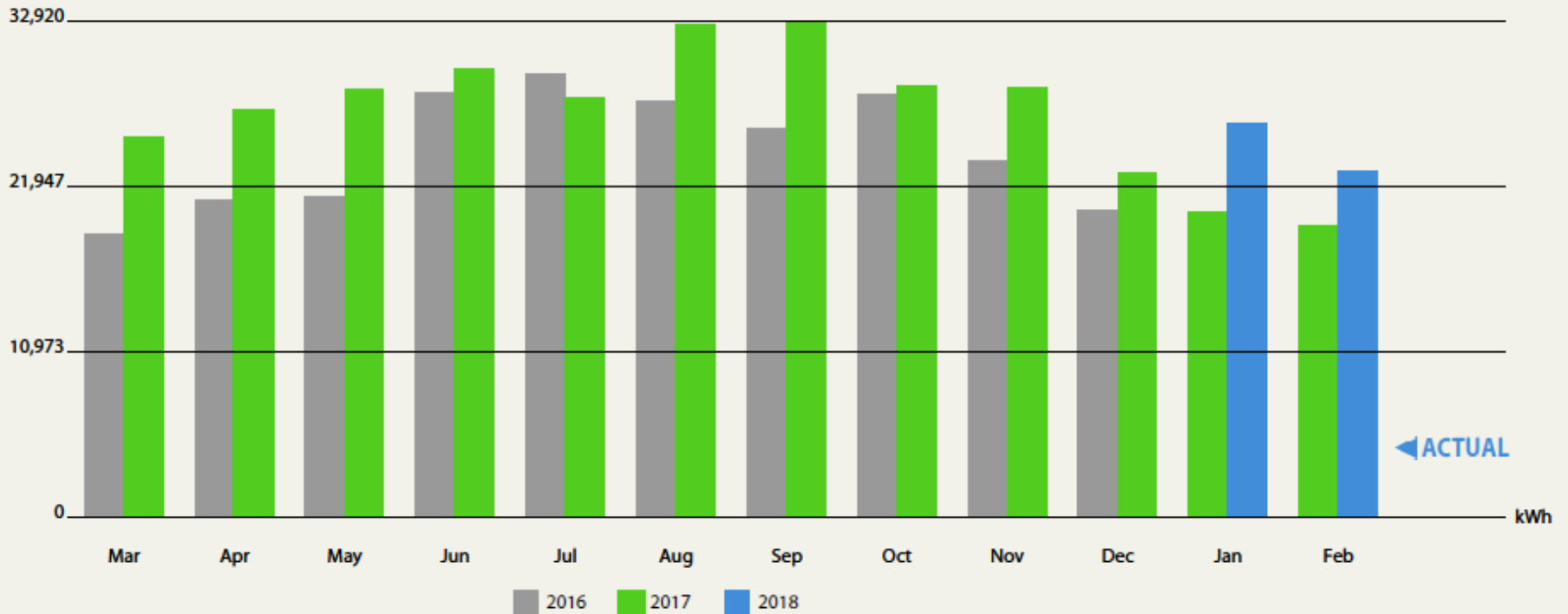
**ROOFTOP SOLAR PHOTOVOLTAIC ARRAY
REQUEST FOR PROPOSALS**



February Energy Bill

Service dates: January 19, 2018 - February 18, 2018 (31 days)

Total Electric Use (kWh - kilowatt-hour)



February Electric Use

23,000 kWh

February 2017 use: 19,400 kWh



Cost per day:

\$92.63



kWh per day:

742



Prior 12 months electric use:

327,960 kWh

Discussion Topics @ Pre-Bid Meeting

- **Battery Storage**
- **Back-up generator**
- **Education**
- **Roof**
- **Shading**
- **Building Access**
- **System Size**
- **Permits**

Solarize Meridian

- Meridian Energy Team has developed Climate Sustainability Plan that has been adopted by Township Board & includes renewable energy commitments:
- Obtain 50% of Township government electricity from renewable energy by 2025 and 100% by 2035.
- Obtain 25% of total community electric use from renewable energy by 2025.
- Encourage homeowners, businesses, & churches to install a solar electric system

Why Now is a Good Time

- Competitive price from 12 installers
- 30% federal tax credit
- Net metering still in place
- Solar tariff hasn't effected prices yet
- Why not start saving now

Solarize Steps

- Attend workshop
- Contact one or more solar installers on list
- Receive proposals from solar installers & select installer
- Installer obtains permits from township
- Homeowner may apply for Michigan Saves financing
- Homeowner with installer help applies to utility for interconnection & net metering
- Solar installation completed
- Homeowner takes 30% federal tax credit

Solarize Workshops

- April 11, 11:30 am – Meridian Senior Center
- April 26, 7:00 pm – Okemos Public Library
- April 28, noon – Islamic Center of East Lansing
co-sponsored by Haslett Community Church
- May 10, 6:00 pm – Delta Library, sponsored by
League of Women Voters of Lansing Area