

Leelanau County Energy Futures Taskforce

Mission:

**To identify opportunities and facilitate implementation
of energy efficiency and renewable energy
in Leelanau County.**

Approved Leelanau County BOC mtg 9/19/23

Leelanau County Government Center
- **Proposed Solar Project** -

Project Goals

- To reduce County electric bills
- To role model the practicality & benefits of Solar Energy in Michigan

Leelanau County Government Center

- **Proposed Solar Project** -

Project Facts

- Approximately 400 kW solar
- Supply approx 30% of Govt Ctr energy use
- 100% paid by MPSC grant award

Leelanau County Government Center

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Project Financing

- Application for 100% of project costs to the MPSC Renewable Energy and Electrification Infrastructure Enhancement and Development Grant
- Estimated project cost \$1-\$1.5M all inclusive

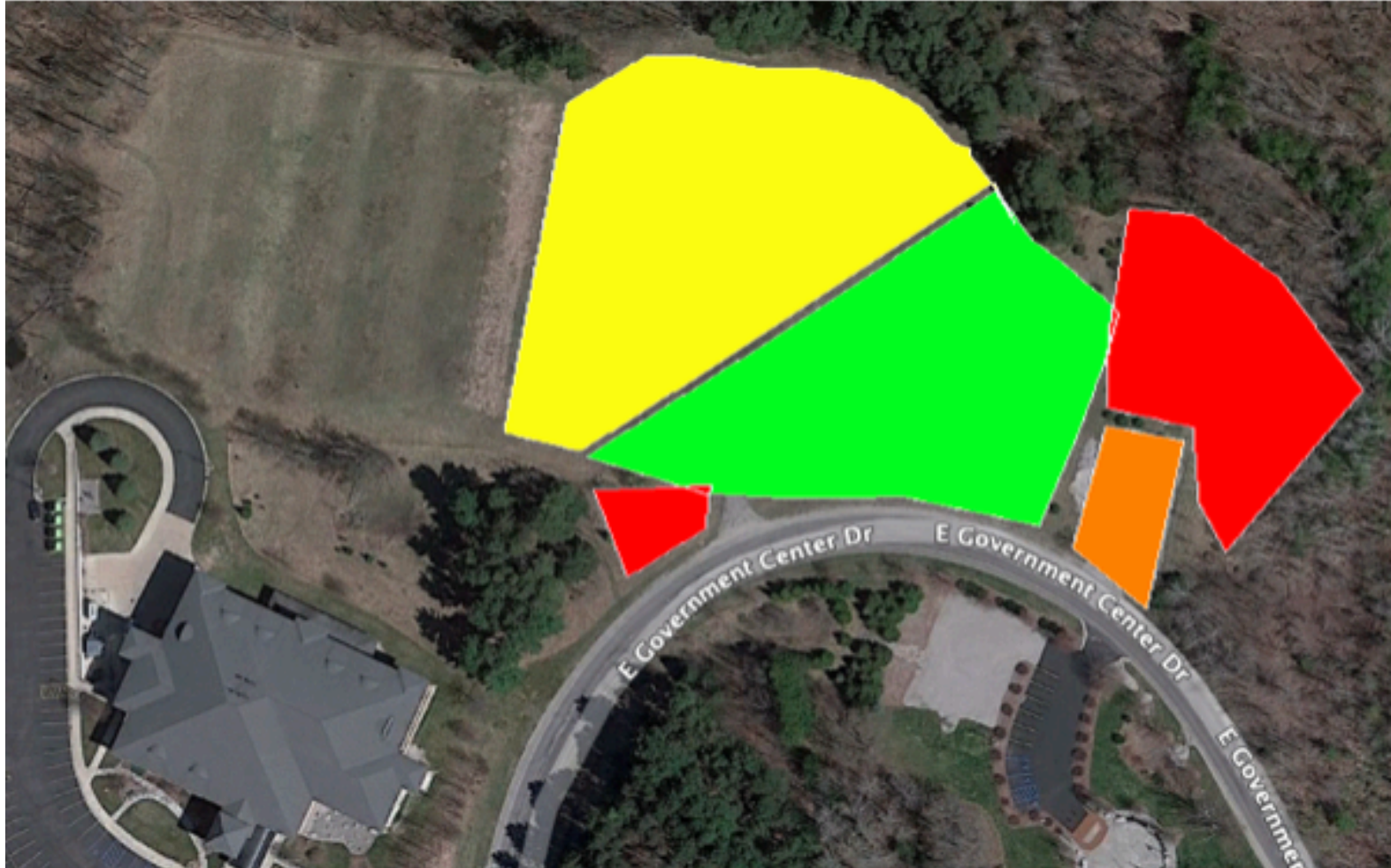
Leelanau County Government Center - Proposed Solar Project - Property Overview



Leelanau County Government Center - Proposed Solar Project - Project Locations



Ground Mount Solar - Courts / Admin Bldg.



Legend

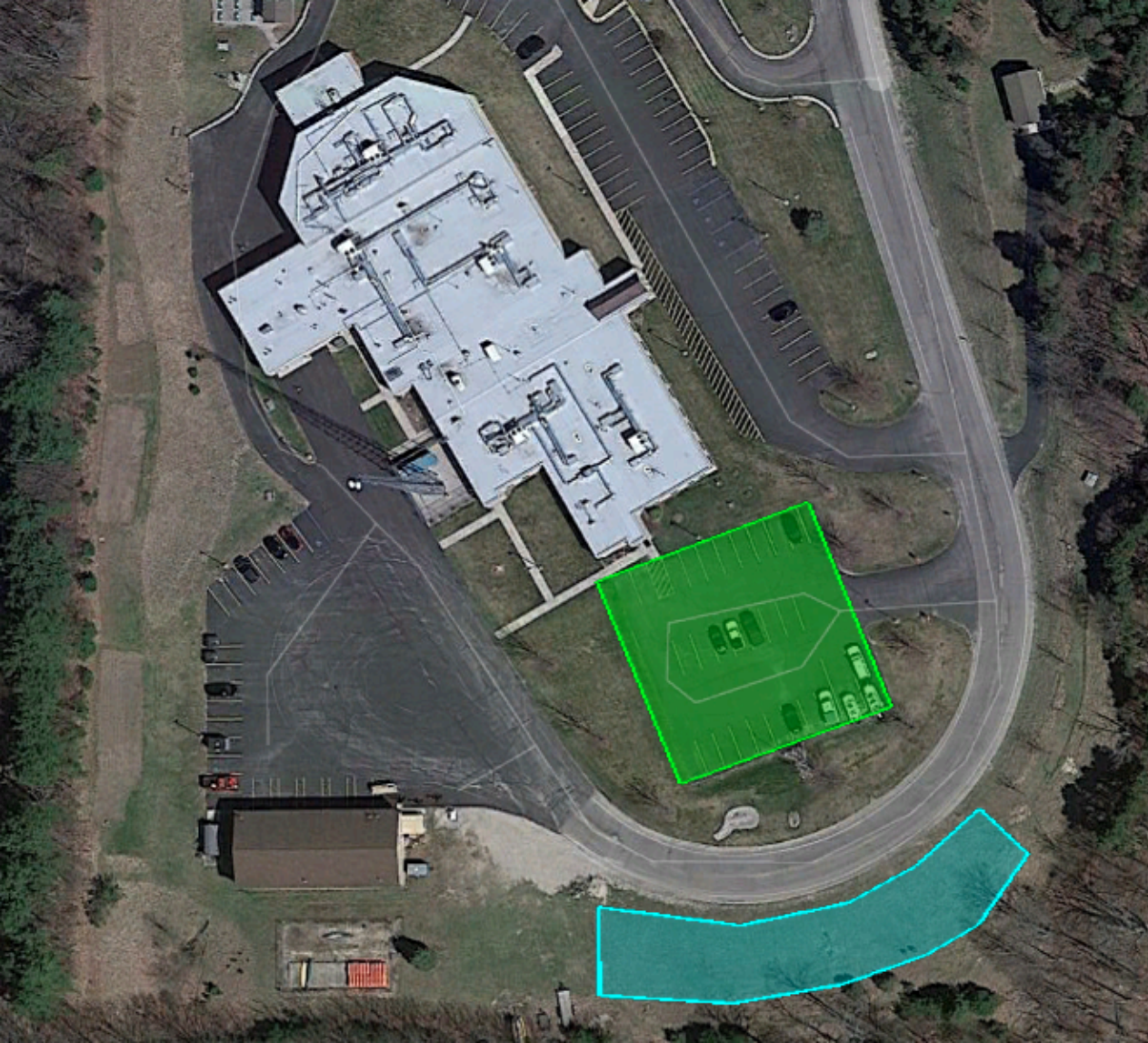
YELLOW - EGLE Required 56,000 sf reserved space.

RED - Existing and required water retention areas not to be disturbed.

ORANGE - Existing Veterans Memorial Parking, not to be disturbed.

GREEN - Area available for solar development.

Parking Covered Solar - Law Enforcement Bldg.



Legend

Green - Parking area available for solar development

Blue - Optional ground available for ground-mount solar development

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Financial Impact

- \$40,000 annual savings to County
- \$1- \$1.4M savings over 25-35 years

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Annual Environmental Benefits

- Over 10,000,000 lbs Coal not burned
- Over 20,000 barrells of Oil saved
- Over 8,000 acres of forest planted

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Project Partners

- Cherryland Electric Cooperative
- MSU Extension Office
- Leelanau Conservation District
- Leelanau Energy



Free & Infinite

In the span of one hour, the earth receives enough sunshine to meet the energy needs of the entire world for one year.

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Proposed Solar Project

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