

Solar Site Assessment Pre-Checklist

Solar Possible Local Government Joint RFP Process



1) General Information:

- ✓ What type of installation(s)? (Flat Rooftop, Pitched Rooftop, Ground Mounted, Both Roof and Ground)
- ✓ List the address of the proposed location.
- ✓ Is the site at least 80% unshaded of 3.5 kWh/m² according to the MN LiDAR solar resource data? (<http://solar.maps.umn.edu/app/>)
- ✓ What is the total square footage of the unobstructed/minimally obstructed surface area?
- ✓ List the distance (in feet) from the proposed PV array location to the electrical access point where solar would interconnect (e.g. an electrical room or service meter).
- ✓ What is the voltage of the incoming power supply and the number of phases?
- ✓ Are you interested in pairing solar PV with electric vehicle (EV) charging infrastructure? If so, what kind of chargers would you need?

2) Utility Data:

- ✓ **Ideally:** Provide 12 contiguous months of utility bills.
- ✓ **At Minimum:** Provide scans of 2 utility bills for summer (June/July/August) and winter (December/January/February) months.
 - ✓ How much do you spend on electricity per month?
 - ✓ Include information about Peak Power Demand (kW), Demand Charge (\$/kW), Energy (kWh), and Energy Retail Rate (\$/kWh).

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3) Ground Mounting Data:

- ✓ What is the approximate grade of the land?
- ✓ What is the current use of the land? What type of land is it?
- ✓ Describe activity of adjacent tenants (e.g. agriculture, mining, highway).

4) Flat/Pitched Rooftop Data:

- ✓ What type of building is it?
- ✓ Roof Construction
 - What is the roof pitch?
 - What is the rooftop construction?
 - Are there rooftop units (HVAC)?
 - When was the rooftop last replaced?
 - Is a roofing replacement scheduled in the next 10 years?
 - How many stories is the building?
 - What is the condition of the roof? Are there any leaks?
 - Are rooftop drawings available?