

LARAMIE SELF GUIDED SOLAR TOUR TOUR LOCATIONS

Scan QR code or visit
this link for full map
and detailed
descriptions:
**SC.org/LaramieSolar
Tour**



1a) **Laramie Ice & Event Center**

3510 E Garfield St (note: on South side of building)

A combined 25-kilowatt (KW) solar project was completed in 2020 at the Laramie Ice and Event Center and the Community Rec Center. The installs were partially funded by Rocky Mountain Power's Blue Sky Program.

1b) **Laramie Rec Center**

920 Boulder Dr (note: on South side of building)

See the description above. These solar projects represent the City's first major step toward carbon neutrality. More information about the Blue Sky program can be found at:
rockymountainpower.net/bluesky.

2) **UW Indoor Practice Facility**

North side of War Memorial Stadium Ford parking lot

The 51KW installation updates a 35 KW array originally installed at the site in 1996 through a state of Wyoming institutional conservation grant. Most of the electricity produced by the array goes to power the UW Indoor Practice Facility, and serves to avoid an estimated 51.7 tons of carbon dioxide per year, according to a Rocky Mountain Power estimate.

Visit this link to see a real time energy output:

https://enlighten.enphaseenergy.com/pv/public_systems/CtsF932688/overview?locale=en

3) **UW Visual Art Center**

Near corner of 22nd Street and Willett Drive

The University of Wyoming Visual Arts Center solar-thermal system is unique in its use of the technology at UW. Solar-thermal systems are different than solar panels, in that photovoltaic panels produce electricity, while solar-thermal systems produce heat. Although the system at the Visual Arts Center had been in disrepair for several years, recent repairs have ensured that the system has heated the building's floors over the past couple of winters.

4) **Bim Kendall House/Haub School**

804 E Fremont St

The Kendall House, home of the Haub School of Environment and Natural Resources, is a 1954 prairie-style building, renovated and reimagined with sustainable practices in mind. A 2010 addition to the original structure features an unusual roof designed for photovoltaic panels and passive ventilation within staff offices. UW operations recently upgraded the system with higher wattage panels (330 KW), new invertors, and adjustments to the solar angle for higher output.

View a tour of the
Kendall House here:
bit.ly/3ijajEV



5) **Burman-Vercauteren residence**

902 E Kearney Street

The Burman - Vercauteren house has an 8 KW array installed by Creative Energies. They have 25,320 W Hanwha QCELLS solar modules with an annual generation of 11,831 kilowatt-hours.



6) **Reed Zars Law Office**

910 E Kearney St

Reed Zars' unique .98 KW array was installed in the early 2000's. Instead of a roof mount, there panels were installed on the ground. Stop by for an up close look at these panels. (Note: you'll have to access the yard with the array through a gate, please close it behind you as you leave.)



7) **Downtown Clinic**

615 S 2nd St

This 7.4 KW solar array generates 98% of the medical clinic’s electricity costs! Creative Energies used a ballast racking system to install the array on the Clinic's mostly flat roof. A Blue Sky Grant was awarded to the Clinic, which helped cover part of the cost. The clinic also has a Lithium-Ion Battery backup system, which helps keep inoculations and meds at a constant temperature in the event of a power outage.



8) **Madeline Dalrymple residence**

1810 E Bill Nye Ave

Madeline's 10-panel system was installed in 2020 by Laramie's very own Harmony Solar company. The panels have a capacity of 3.2 KW. Madeline has admired the freedom that solar energy provides, generating her own electricity and providing renewable electricity to the grid through net metering.



9) **Ed Koncel residence**

1610 Palomino Dr

Ed's all-electric home is powered in part by a 6.9 KW system installed in 2019. His roof faces East and West, so his 20-panel system has 10 panels facing either direction and begins generating electricity as soon as the sun rises over the horizon. Ed took advantage of a 30% federal tax credit which reduced his cost from \$21,000 to \$14,700 for the system.



10) **Mike Selmer residence**

1462 N Indian Hills Dr

Mike's 11.4 KW system was installed in 2019. He has an all-electric home with in-floor electric heating. The panels provide all of the electricity he needs for 7-8 months of the year, and a significant portion for the remainder.



11) **Merav Ben-David residence**

6839 Black Elk Trail (note: Black Elk Trail Splits right from Pilot Peak Rd about .8 miles after turning off Grand Ave.)

Merav's brand new solar installation consists of 24 panels rated to 8.16 KW capacity. Her flat roof is also a great example of how solar panels can be installed on a variety of different locations. Merav turned toward solar because she believes in renewable energy as a clean way to generate her own electricity and is interested in how small distributed solar can lead the way towards more independent electricity generation.



12) **Nightingale Stables**

6822 Black Elk Trail (note: Black Elk Trail Splits right from Pilot Peak Rd about .8 miles after turning off Grand Ave.)

Approximately 55% of Nightingale Stable’s energy usage now comes from the sun. A 72-panel solar array will yield about 37,000 kilowatt-hours of energy each year, and was made possible by a \$40,336 Rocky Mountain Power Blue Sky program grant. Nightingale Stables is available for visitors Noon to 1 PM on Oct 2. For more info, visit: cowgirlshorsehotel.com/stables/

