

The purpose of these slides is to show an example of a photovoltaic system in SLFPD

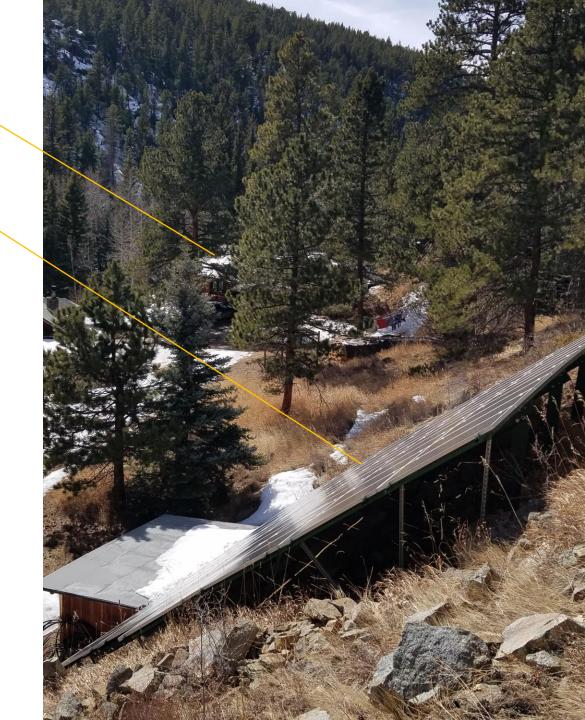
## Background Info

- Ground-mount panels (separate from house)
- Grid-tie (no batteries)
- 10KW 40amp, 240v max production (bring your welder!)
- Inverters separate, not integrated into panels (older style)
- Disconnects located between panels and inverters, between inverters and the 240v line between panels and house, and at the house (code)
- PV Disconnect on outside of house next to meter (code)
- Main disconnect for house located inside garage (met code in 1970)

Panels not immediately adjacent to house, and may not be obvious at night.

House

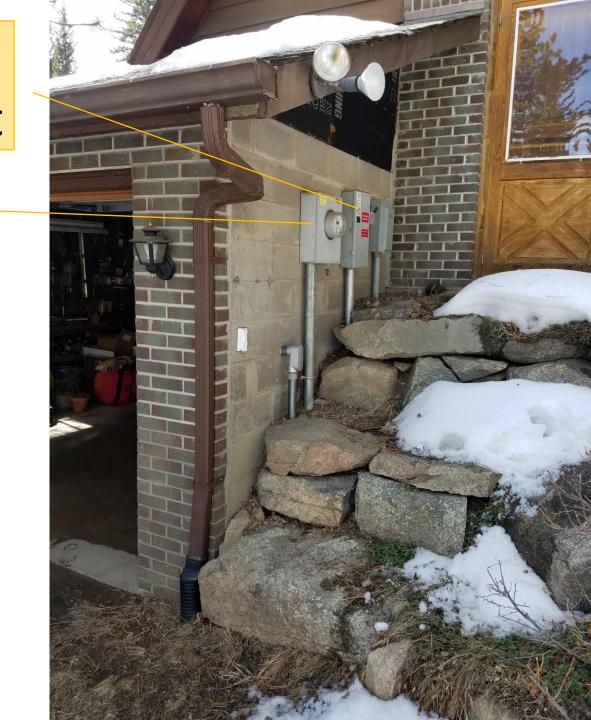
Panels

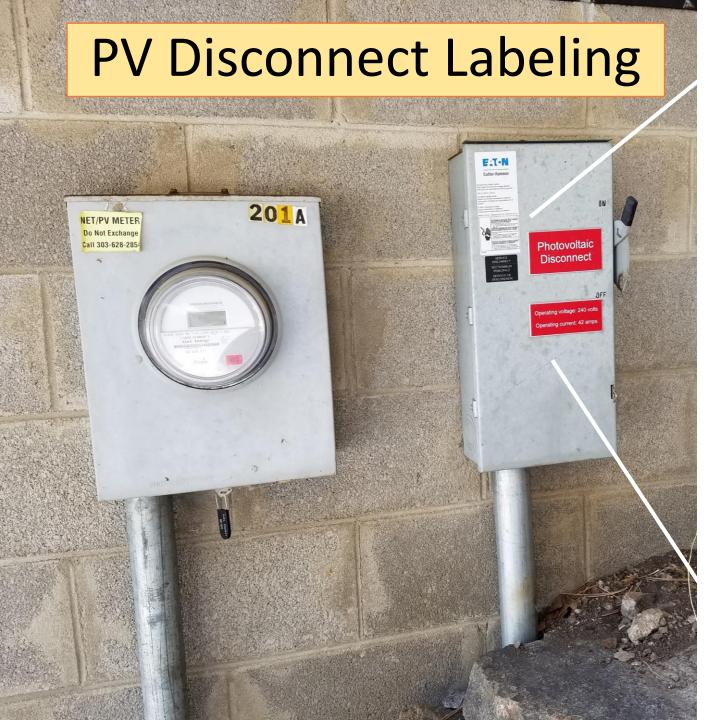


Meter and PV disconnect located on outside of garage

PV Disconnect

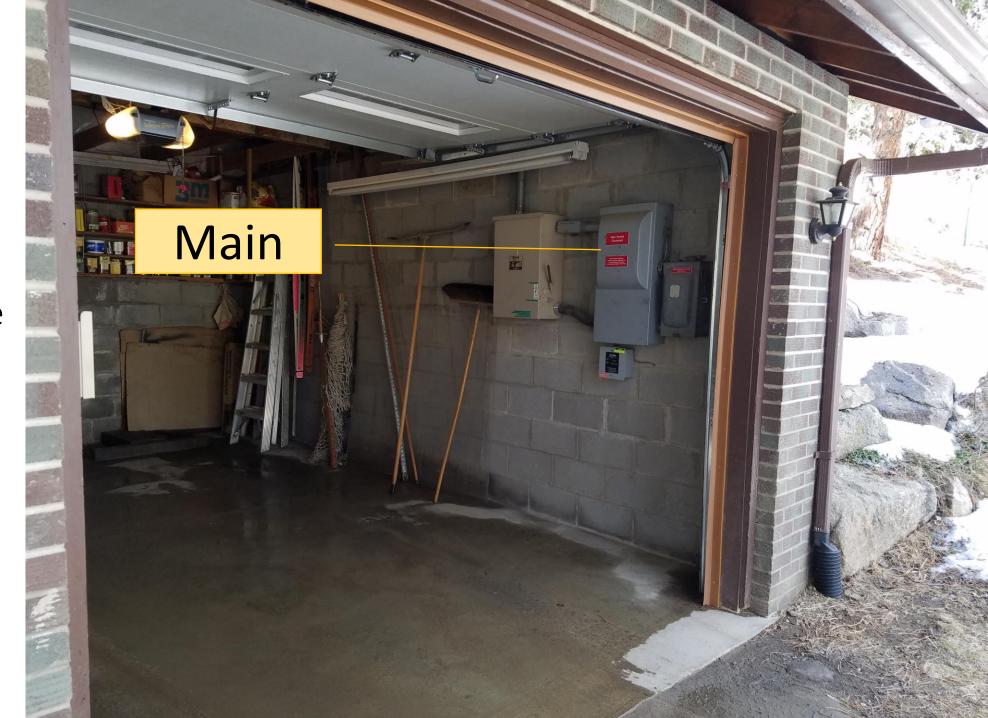
Meter







Main disconnect inside garage (on the other side of the wall from the meter)



## Main Labeling

(all info shown is required by code)



Electrical under panels

240v AC shutoff

Inverters (3)

panel shutoffs (3)





AC Disconnect Labeling



## AC Disconnect

- Standard 240 breaker panel
- Standard breakers that trip when too much current flows through them
- 100-amp main plus three 30-amp breakers, one for each inverter



