

MEDFORD CASE STUDY



Home:

- Built in the 1940s
- 1,449 square feet
- Weatherization measures: Blown in attic insulation, maybe some insulation in walls, 11.9 kW solar
- Heat load: 32,581 btu/hr (at 13°F)

Customer experience:

- Since the heat pump was installed on February 9th, 2020 they have not needed the natural gas boiler, although there has not been extreme cold weather.
- Met expectations for heating and cooling.
- It does increase electric bills. Solar PV defrayed the additional costs for this customer.

Previous HVAC: Natural gas hot water boiler and central A/C

Heat Pumps:

- Mitsubishi PUZ-HA36NHA5 (centrally ducted) with PVA-A36AA7 air handler (38,000 btu/hr at 5°F)
- Replaced old central A/C
- Installed February 2020
- Cost: \$12,458 (included some new duct insulation)

