

Attachment A- Examples of conversion for renewable sourcing by building

City Hall: 131,365 kWh/month average

Minimum System Size	781,934	Watts
Average Sun Hours	5.6	Hours
Solar Panel Wattage	300	Watts
Number of Solar Panels	2,607	Panels
Area Needed for Panels	46,023	Sqft
Building Roof Area	27,235	Sqft

REC: \$1,056/month

Estimated cost to purchase solar panels: \$912,450

Scott Rakow: 140,400 kWh/month average

Minimum System Size	835,714	Watts
Average Sun Hours	5.6	Hours
Solar Panel Wattage	300	Watts
Number of Solar Panels	2,786	Panels
Area Needed for Panels	49,183	Sqft
Building Roof Area	42,505	Sqft

REC: \$1,120/month

Estimated cost to purchase solar panels: \$975,100

1755 Meridian Avenue Garage: 109,240 kWh/month average

Minimum System Size	650,238	Watts
Average Sun Hours	5.6	Hours
Solar Panel Wattage	300	Watts
Number of Solar Panels	2,168	Panels
Area Needed for Panels	38,273	Sqft
Building Roof Area	38,050	Sqft

REC: \$872/month

Estimated cost to purchase solar panels: \$758,800

The monthly average electricity usage is based on a 24 month average (6/15/2015-5/15/2017) for all buildings.

The Renewable Energy Credit (REC) costs are based on the price of Bonneville Environmental Foundation (BEF) RECs. The BEF portfolio of projects includes geothermal, wind, solar, biogas, landfill gas, and low impact hydropower. The price of BEF RECs is \$8/MWh or \$8/1,000 kWh. The price of RECs varies by company, portfolio, supply and demand, and regulations; prices can reach more than \$300/MWh.

Estimated cost to purchase solar panels were based on the average price varying from \$250 to \$450 per solar panel.