



## OFFICE OF THE MAYOR

MAYOR: David H. Bieter

### City of Boise SolSmart Solar Statement

The City of Boise is developing a strategic plan for our energy future, focusing on energy options and goals that are applied at municipal facilities and in the community. Solar energy is expected to hold a significant place in this plan which is expected to be completed in 2018.

The City of Boise is also participating in the U.S. Department of Energy's SolSmart program confirming our commitment to increasing solar power development in Boise.

### Achievements related to non-grid renewable energy, including solar PV projects:

#### Biogas:

- Digester gas (methane) produced in the water cleaning process at the City's Water Renewal Facilities (WRFs) is used for process and space heat at the plants.

#### Geothermal:

- Four geothermal systems and individual systems serve over 450 homes, businesses, schools or governmental facilities in and around downtown Boise.
- Four Boise City municipal buildings have been heated with geothermal energy for over 25 years.
- Solar thermal hot water heating was added at City Hall in 2014.
- The pool at the Natatorium (a city pool) has been heated using geothermal energy since 2015.

#### Solar:

- Two municipal buildings, City Hall West and the Foothills Learning Center have had solar photovoltaic (PV) installations providing partial required power to those buildings since 2011 and 2005, respectively.
- The Twenty Mile South Biosolids Application site administration/shop building was completed in 2016 as the City's (and Idaho's) first commercial net zero building. The building has performed better than expected and produced about 82,000 kbtus of electricity from solar power last year exceeding the power needs of the building by 58%
- Solar power will be considered for all new municipal buildings. The Library! at Bown Crossing which opened last year has a solar power installation. New Fire Stations 4 and 8 were mindfully built and wired so that solar panels can easily be added in the future.
- City Hall West and the Boise Airport terminal have solar thermal systems to reduce costs for heating hot water.

