

March 17, 2015

Testimony in Support of HB 6022

Submitted by Michael Moore, President/CEO –
Bridgeport Downtown Special Services District

Members of the Energy & Technology Committee,

The Bridgeport Downtown Special Services District (DSSD) supports the development of the [Bridgeport Thermal District](#) and HB 6022 as originally written for Class I renewable energy credits. DSSD has met with NuPower to learn about the benefits of the system to meet the heating and cooling needs of downtown Bridgeport. The DSSD believes the [Bridgeport Thermal District](#) has the ability to provide downtown Bridgeport with an upgrade to downtown's current heating infrastructure.

The Bridgeport DSSD serves as the Business Improvement District for the Park City's Central Business District. In that role, DSSD is charged with supplementing municipal services to ensure downtown is a safe, welcome downtown with well managed physical setting. DSSD also works with the City of Bridgeport and other stakeholders to reposition downtown Bridgeport as an economically-dynamic, transit-oriented urban center.

As described by NuPower, the [Bridgeport Thermal District](#) concept is to capture low grade waste heat through a heat exchanger located at a thermal source such as a power plant and by using water, distribute the heat to multiple commercial and residential customers in Bridgeport. The major pieces of equipment include:

- thermal piping,
- heat exchangers at the thermal sources and the thermal customer sites and
- backup boiler installation to cover peaking and standby needs.

As described by NuPower, the [Bridgeport Thermal District's](#) use of the thermal output, from the electrical generation sources, dramatically improves generator efficiency (approximately doubles in the case of fuel cells to 80%).

Furthermore, and as described by NuPower, the [Bridgeport Thermal District](#) will result in over \$50M direct economic development, the creation of twenty (20) direct jobs anticipated, significant long term reductions and management of energy costs for NuPower customers while catalyzing economic growth in Bridgeport

While re-purposing waste heat will generate economic activity and result in substantive environmental benefits, the installation of the [Bridgeport Thermal District](#) is capital intensive. Therefore, Class 1 renewable energy credits are essential to the successful implementation of the [Bridgeport Thermal District](#).