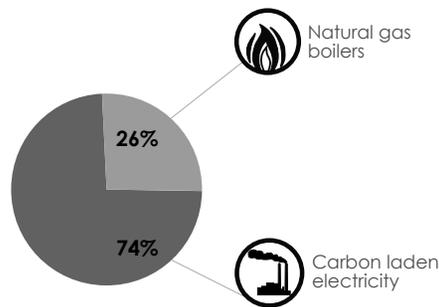




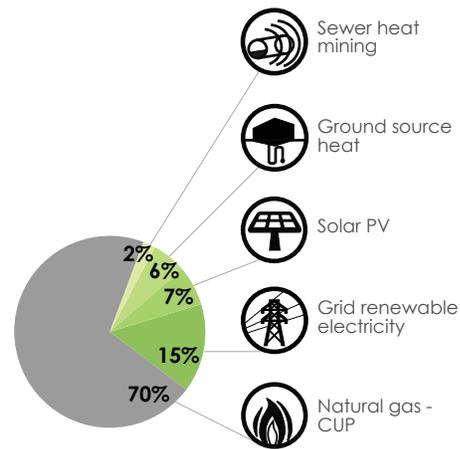
CONCLUSIONS

Strategies identified for the Revitalization Scenario will lead to an increase in use of alternative energies and a reduction in greenhouse gas emissions and operating costs.

ENERGY SOURCE EXISTING



REVITALIZATION



Greenhouse gases will be reduced 51%. The SW District will become Zero Carbon with the conversion of the Central Utility Plant to a non-fossil fuel source.

BEST PRACTICES

ENERGY

Seattle Steam, Seattle, WA Seattle Steam represents a successful privately owned cogeneration plant. Founded in 1893, Seattle Steam provides district heat to approximately 200 buildings in Seattle’s Central Business District and First Hill neighborhoods.

Seattle Steam provides a cost-effective, reliable and environmentally-friendly heat source for use in heating buildings, generating hot water, humidity control, and sterilization. The energy is distributed by Seattle Steam through 18 miles of pipe under approximately one-square mile of downtown Seattle to many of the city’s office buildings, hospitals, hotels and college campuses

In 2004, Seattle Steam renewed its 50-year franchise agreement with the city. In the fall of 2009, Seattle Steam began its conversion to renewable energy by installing a new boiler that can burn clean urban waste wood, making it possible to use renewable biomass as its primary source of fuel. At full load, the biomass boiler will reduce the carbon footprint of Seattle Steam and its customers by 50 percent, and will provide a large boost to the region’s sustainability goals.

Mary E. Switzer Building, Washington, DC GSA recently installed ground source heat in the Mary E. Switzer Building – two blocks away from the SW ecodistrict. Heating and cooling loads are expected to be 30 percent more efficient.

SW Waterfront, Washington, DC The Hoffman Madison mixed-use waterfront neighborhood, expected to be under construction in SW Washington in 2012 will have a three-story central utility plant expected to provide all electrical, heating and cooling power sources for the area northwest of 7th Street SW. The plant will significantly contribute to the neighborhood’s greenhouse gas reductions.