

Geothermal Energy

Geothermal Energy uses the earth's constant temperature to act as a sink for a type of heat pump exchange for heating, cooling, and hot water. It can be done by drilling a deep well with coils of tubing and the water becomes the heat exchange medium; it can be done with five foot deep trenches with coils of tubing and the earth surface becomes the heat exchange medium; and it can be done with a pond/lake where the coils are laid at the bottom of the water body, again using the water as the heat exchange medium. For the county buildings, the most logical would be a deep drilled well that would connect to heat pump type units and then could be attached to an existing heating system in the building, if they are compatible.

http://www.nrel.gov/learning/re_geo_heat_pumps.html

<http://www.gagnongeothermal.com/>

<http://www.geothermalgenius.org/states/maine.html>

<http://www.elcogeothermal.com/>

<http://www.geothermalmaine.com/>