

What has the district learned as a result of the geo-thermal test wells?

The geo-thermal test wells were drilled to determine if there was enough water supply at each site to support a “pump and re-injection” geo-thermal heating, ventilation, and air conditioning system (HVAC). If there was not enough water available at either site, a second option was available: a closed loop geo-thermal system.

In Readlyn, the test well indicated a water supply that would support a “pump and re-injection system. In Fairbank, at the site of the building, there was not enough water in the aquifers to support “pump and re-inject” so a closed looped system was then tested. In order to test the closed-loop, a single loop was “installed” and a thermal conductivity test was performed. The engineers will interpret the results of the thermal conductivity test and will then determine the number of underground loops that are needed to support the geo-thermal HVAC system in the Fairbank building.