Objective: To design a Geo-source HVAC system, compare it to a more traditional HVAC system, and provide an educational opportunity for the community.

Solution: We are designing a Geo-source HVAC system for a dorm suite in the Kalsbeek-Huizenga Residence Hall addition. Instrumentation will be installed to monitor both the performance of the Geo-source and current Boiler/Chiller HVAC systems. An educational kiosk will be constructed in the dorm to compare the performance and explain the operation of both HVAC systems.