ALL ELECTRIC

HOW MUCH DID IT COST?

Designing all electric is generally cheaper than designing with gas. We had a savings of about $10,000 from not running a gas line to the building in addition to savings of the cost of hooking up to the gas line and coordination for R.A. Nelson. Many devices, like electric boilers and water heaters are actually cheaper than their gas counterparts AND don't need a vent pipe.

THE SYSTEMS

Heating/Cooling – Air-source heat pumps provide heating and cooling to all office areas. Electric boilers provide heating in the floor to the classroom areas.

Water Heating – Electric water heaters provide for the minimal hot water usage.

That's right, no gas

The Borgen Precourt Center for Sustainability has been designed to be easily transformed into a net-zero facility. The current solar array on the roof is projected to provide about 50% of the building's annual total energy needs. An expansion of that array in the future could allow this facility to operate at net-zero energy consumption on an annual basis.

By pairing an all-electric design with rooftop solar panels, demand-limiting equipment, and monitoring of major electrical loads, this building is poised to have maximum control over its energy costs. The building is also well positioned to eliminate its annual energy usage entirely.

walking mountains science center

NORTH 39 ENERGY