

Neighbourhood Infrastructure

Goal: Water and energy infrastructure servicing UBC's residential neighbourhoods is resilient and ready to respond to our changing climate. Upgraded systems support climate action and prioritize efficient, affordable, resilient services.

Target

- By 2035, at least 65% of neighbourhood energy supply is from low carbon sources (electricity or low carbon Neighbourhood District Energy)
- By 2050, 100% of neighbourhood energy supply is from net zero sources.



Actions

Next 1 - 2 years

- Finalize plans and update agreements to convert Neighbourhood District Energy System (NDES) to low carbon energy supply.
- Finalize updates to the Integrated Rainwater Management Plan (IRMP) to ensure rainwater systems are adapted to future climate conditions.

Next 3 - 5 year

- Complete NDES expansion in Wesbrook neighbourhood to provide low carbon heating and cooling to new Wesbrook homes.
- Coordinate upgrades to electricity infrastructure to support climate action.
- Begin upgrades to rainwater infrastructure, focusing on adaptive, green infrastructure (e.g. *bioswales, rain gardens, ponds*) that improves the neighbourhood capacity to respond to intense rain events.

In 6+ years

- Fully transition entire NDES to low carbon energy supply (target 2030).

