

PLANNED AND ADDITIONAL ACTION DETAILS CRD CORPORATE GREENHOUSE GAS REDUCTION PROJECTS

See below for more details about the planned actions and additional actions staff have identified to reduce CRD corporate greenhouse gas (GHG) emissions.

Planned Actions

“Planned actions” are key emissions reduction projects that will allow CRD to achieve the 2030 corporate GHG reduction target. Planned actions are scheduled for implementation between now and 2030 and are included in current five-year capital plans.

Light-duty Vehicle (LDV) Electrification

- In progress.
- As of June 2024, 24% of the 247 LDVs fleet has been electrified.
- The current electrification rate of replacement vehicles is approximately 66%, which puts the CRD on track for achieving 100% LDV electrification by 2040 (as per Climate Action Strategy).

Panorama Recreation Centre Heat Recovery System

- In progress, split into a three-phase project:
 - Phase 1: Arena dehumidifier electrification: Currently in implementation.
 - Phase 2: Main heat recovery loop for pool, domestic hot water, tennis building HVAC, and arena dehumidifier: Currently in detailed design phase with implementation planned for summer 2025.
 - Phase 3: HVAC replacement and remaining connections to heat recovery loop: Start study in 2026 with implementation planned for 2027.

Saanich Peninsula Wastewater Treatment Plant Connection to the District Energy Shared System

- HVAC system is not at end of life; however, the project will retrofit existing units. Feasibility study is complete.
- Requires ongoing commitment to District Energy Shared System. Implementation planned for 2027.
- Requires grant funding.

SEAPARC Heat Recovery System

- In progress, split into a two-phase project:
 - Phase 1: Heat recovery loop, integration of pool and refrigeration systems, domestic hot water and HVAC. Currently in conceptual design phase, with implementation planned for 2026.
 - Phase 2: Arena dehumidifier integration into heat recovery, with study to begin in 2028 and implementation planned for 2030.
 - Requires Alternative Approvals Process for next step and clarity of timelines.

CRD Fisgard Headquarters HVAC Electrification

- HVAC system and components are at or nearing end of life.
- Preliminary study complete: detailed study planned 2026 with implementation planned for 2027.

Annual 5% Improvement in Electricity Efficiency

- In progress.
- Being achieved through major capital upgrades, energy audit implementation projects, lighting upgrades and other measures identified by Climate Action and Facilities Management.

Additional Actions

“Additional actions” are more recently identified opportunities for GHG reduction that can either accelerate reductions or be used as substitutes for planned actions should those be delayed. Additional actions are not yet included in capital plans and further studies and engagement are needed to determine timelines.

IWS HQ Decarbonize HVAC System

- HVAC system is nearing end of life. Study starting in Q3 2024.

Parks HQ Decarbonize System

- HVAC system is nearing end of life. Study starting in Q3 2024.

Salt Spring Island Multispace (SIMS) Decarbonization

- HVAC system is nearing end of its life. Study starting in Q3 2024.

Accelerated Light-duty Vehicle Electrification

- Current and planned efforts to support electrification of the LDV fleet include:
 - Updates to the Green Fleet Policy and related procedures.
 - Development of EV Ready Fleet Plan to support phase 2 of LDV fleet electrification due for completion end of 2024.

Medium- and heavy-duty vehicle Fleet Electrification

- Heavy-duty and off-road vehicle electrification and renewable fuel use is identified as a critical action from 2030-2050 in the Climate Action Strategy.
- The forthcoming EV Ready Fleet Plan will provide mid- to long-term considerations for defining and achieving this goal.
- Market availability and proven readiness of zero-emission Medium- and Heavy-duty Vehicles is limited at this time; however, pilot program opportunities exist and are being actively considered where options exist.