

Investing in Canada Infrastructure Program (ICIP)

CleanBC Communities Fund – Intake #2

Grant Details

- Focused on projects that support the management of renewable energy, access to clean energy transportation, improved energy efficiency of buildings, and the generation of clean energy.
- Federal and Provincial governments have committed up to \$47.39 million towards intake #2
- Combined maximum contribution - up to 73.33% of project cost
- Stacking rules apply

Grant Details

- Project Eligibility:
 - Eligible projects must be for broad public use or benefit and result in a measurable reduction of greenhouse gas emissions (GHGs) as compared to a baseline for that infrastructure; for new infrastructure, GHG reductions will need to be compared to a projection-based baseline.
 - To be eligible, projects must increase:
 - Capacity to manage renewable energy
 - Access to clean energy transportation
 - Energy efficiency of buildings
 - Generation of clean energy
- Project must be completed within 5 years of approval
- Application Deadline: November 12, 2020

Projects for Council Consideration

- Oliver Woods Community Centre (OWCC) Hot Water Boiler Replacement and Mechanical Upgrade
- Beban Park Leisure Pool Air Handling Units

OWCC Hot Water Boiler Replacement and Mechanical Upgrade



OWCC Hot Water Boiler Replacement and Mechanical Upgrades

- Replace current natural gas boiler with electric peaking boiler for domestic hot water heating and peak space heating.
- Modify boiler piping and heat pump loop arrangements to minimize heat pump return water temperature.

OWCC Hot Water Boiler Replacement and Mechanical Upgrades

Benefits:

- Would eliminate the need for natural gas at the facility which represents 90% of the facilities annual GHG emissions.
- Longer life than a natural gas hot water boiler.
- If grant application successful the project can proceed with no additional investment required by the City.

OWCC Hot Water Boiler Replacement and Mechanical Upgrades

Financial Details:

- Estimated total cost – \$116,000
 - Grant Application - \$80,000
 - City Share - \$36,000
- Currently budgeted in 2020 at \$71,900 for “like for like” boiler replacement. Funding shortfall of \$44,100.
- If grant application successful \$35,900 of surplus funds could be reallocated to other City priorities.

Beban Park Leisure Pool Air Handling Units



HV3

HV5



Beban Park Leisure Pool Air Handling Units

- Replacement of HV3 air handling unit which is nearing end of life, and replacement of HV5 air handling unit which has failed, with one air handling unit.
- Upgrading to a heat recovery dehumidification system to resolve condensation and pool surface air quality issues.

Beban Park Leisure Pool Air Handling Units

- Benefits:
 - Project will resolve condensation and air quality issues
 - Potential to reduce over 855 of greenhouse gas emissions from current operations
 - If grant application successful will allow City to undertake this project

Beban Park Leisure Pool Air Handling Units

- Financial Details
 - Estimated cost - \$945,400
 - Grant Application - \$686,840
 - City Share - \$258,560
 - Replacement of HV5 is currently budgeted in 2020 for \$210,224.
 - If this project is selected by Council the 2020 - 2024 Financial Plan will be amended to allocate \$48,336 from the Emission Reduction Reserve to the project.
 - If unsuccessful the scope and timing of this project need to be reevaluated.

Next Steps

- Council resolution to proceed with the application for the ICIP CleanBC Communities Fund grant for selected project
- ICIP Covid-19 Resilience Stream
 - Application guidelines still being developed
 - Staff have shortlisted potential projects