



CHIMNEY & FELKER LAKES LANDHOLDERS ASSOCIATION

April 18, 2024

Mr. Campbell, Cariboo Regional District

RE: Community Works Fund

The Chimney & Felker Lakes Landholders Association has been investigating improved efficiencies at our community hall. We are interested in applying for support from the Community Works Fund.

We recently obtained quotes to have solar power added to our building. Pro Circuit has done a thorough investigation into our power usage and needs over the past 2 years. They then visited our site to ensure that their quote would cover all our needs for the conversion to solar energy. This project is very important to our small community as our consumption of energy is quite high and a large expense. Our community hall is in the center of our two lakes and beside our par 3 golf course making it a valuable gathering place throughout the year as well as an asset to our annual golf tournament.

The total cost of this project is \$44,362.5

The total cost includes:

- 42 - 400W Solar cell PV Panels c/w aluminum mounting rails and hardware
- 21 - (640W) micro inverters wired to AC combiner box and to existing distribution
- Upgraded existing panel to combination meter/disconnect unit
- Labor and material for complete working system
- Net Metering application
- Electrical Permits
- Web based monitoring platform

Project Outcomes:

This system will produce 18,250kW annually based on a conservative 3.5 hours of daily production sunlight which is a saving of more than \$2400.00 per year.

The reduction in energy consumption will greatly reduce our carbon footprint and be a great example to the community of our commitment to alternative, environmentally positive energy decisions.

Thank you for the opportunity to apply and for past funding from the CRD.

Sandi Field
Secretary/Treasurer CFLLA