



221 Water St. Summerside, PEI, Canada, C1N 1B4

PRELIMINARY VALUE COST BENEFIT PREPARED IN COLLABORATION

Points below are for consideration by owners and design team for energy options and will need to be quantified on project to project basis.

Direct benefits.

- Geothermal borefield design based on 50-100 plus year operation
- Closed loop system does not affect the aquifer or water table
- Quiet enjoyment of residents, clients and staff
- Integrated system: heating and cooling do not work against each other
- Dehumidification and fresh air integration into system.
- Outdoor maintenance eliminated and minimal indoor
- Minimal mechanical or furnace room required depending on system*
- Oil storage utility space delivery, chimney, fumes eliminated.
- Reduced insurance rates as no open flame appliances
- No visible hardware in rooms depending on system*
- Access for filter change
- All units will have isolation shut-offs if unit fails for switch out.
- Convenience for property management staff / employees for remote monitoring
- Programable thermostats can be connected to building monitoring system.
- Troubleshooting diagnostics may be programmed to building manager phone.
- Stability versus global commodity oil price HST and Carbon Tax pending
- Operating cost reduction
- Maintenance cost reduction
- Replacement life cycle extended
- CRA accelerated write down depending on project*

Indirect or partial indirect

- Carbon credits offsets (value to be quantified)
- Responsible stewardship
- Potential for energy investment bond
- Community buy-in potential for Gramma to invest in a green energy for grandchildren education savings.
- Good for PR
- 3P Private sector model cooperation potential

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