DRAFT

TOWN OF RIVERVIEW

Solar Farm Pre-Feasibility Study
February 27, 2017

ease note we may change a couple of
ides prior to February 27 presentation

NAVECOPOWER

AGENDA

NB Power LORESS Summary
Solar Energy Business Scan in Canada
Benefits to Town of Riverview
Ownership Models
Project Cost and Revenue Estimation
Potential Funding Sources
Timeline Estimate
Solar Farm Metrics
Regulatory Consideration
Recommended Development Partners
Recommendations

NAVECOPOWER

NB POWER LORESS SUMMARY

LORESS: Locally-Owned Renewable Energy that are Small Scale.

- NB Power: requesting expressions of interest from local entities for 40 MW of renewable generation to be operational by December 31, 2020.

- Regulation 2015-60 as part of the Electricity Act, it states that: “On December 31, 2020, and for each subsequent fiscal year, the Corporation shall ensure that 40% of the total in-province electricity sales in kilowatt-hours is electricity from renewable resources”.

- Maximum 20 MW per local entity.

- Renewable resources: wind, solar, hydroelectric, ocean-

SOLAR ENERGY BUSINESS SCAN IN CANADA

Green Acres, 2MW, Bassano, Alberta

Deer Lake Elementary School, 152 kW Deer Lake First Nation, Ontario

OrcaLab Research Centre, 270kW Alert Bay, British Columbia

NAVECOPOWER

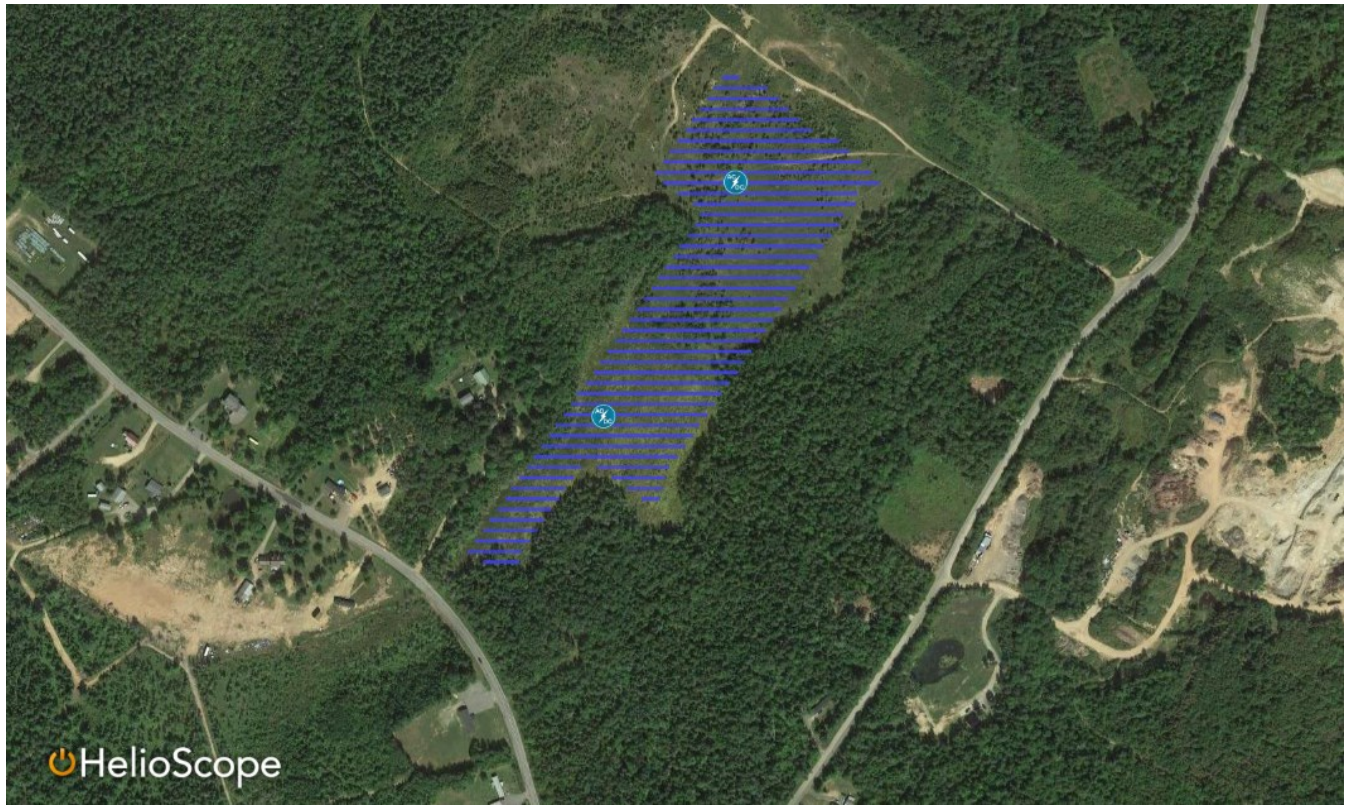
BENEFITS TO TOWN OF RIVERVIEW

NAVECOPOWER

OWNERSHIP MODELS

- 51% ownership by the Town of Riverview and 49% ownership by a partner, such as Community Economic Development Corporation (CEDC), which could include Great Moncton area citizens;
- 51% joint venture with another local entity, such as a First Nation or non-profit organization, and 49% owned by a third party, essentially share the risk three ways;
- 51% owned by another local entity and 49% owned by a third party and the town leases the land to the ownership group;
- 100% owned by the Town of Riverview, and;
- Engage in a vendor takeback loan to reduce initial capital outlay.

PROJECT COST & REVENUE ESTIMATION



Project Cost:

- 3 MW ~ $8.1M

Revenue Estimation:

- $375,000 per year
- $9.375M over 25 years

NAVECOPOWER

PROJECT COST: NET METERING

Project Cost:

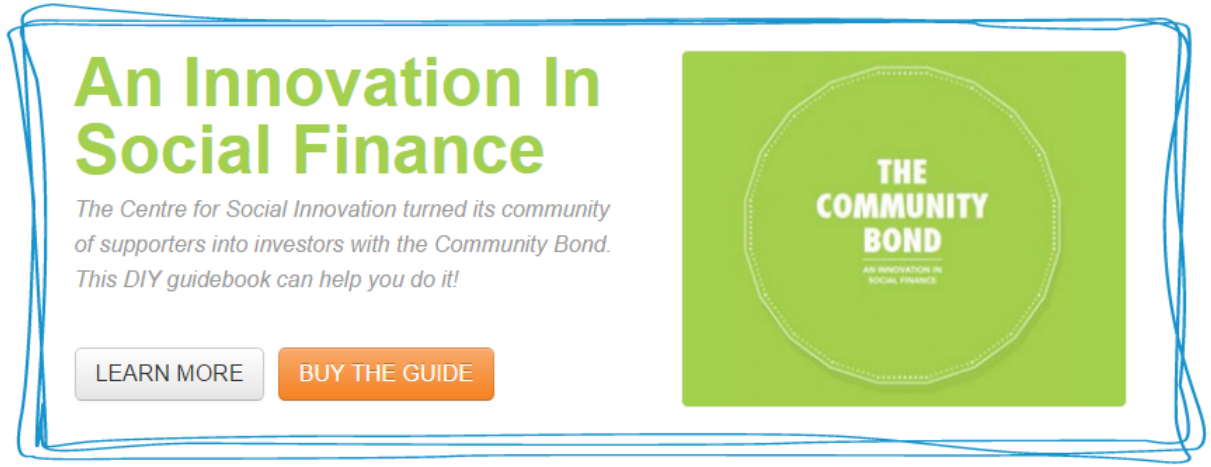
< 100 Kw ~ $400,000

Annual Cost Savings:

> $20,000 per year

POTENTIAL FUNDING SOURCES (A)

POTENTIAL FUNDING SOURCES (B)



TIMELINE ESTIMATE

LORESS ~

April 28, 2017 proposal deadline

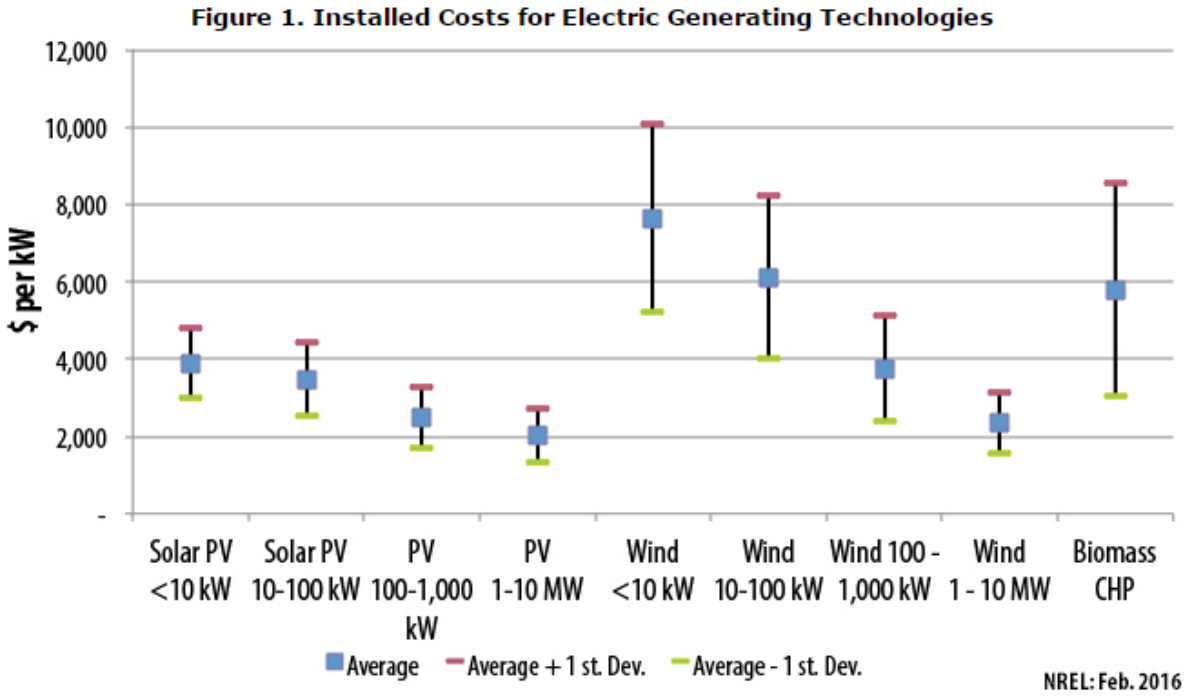
December 31, 2020 - generating

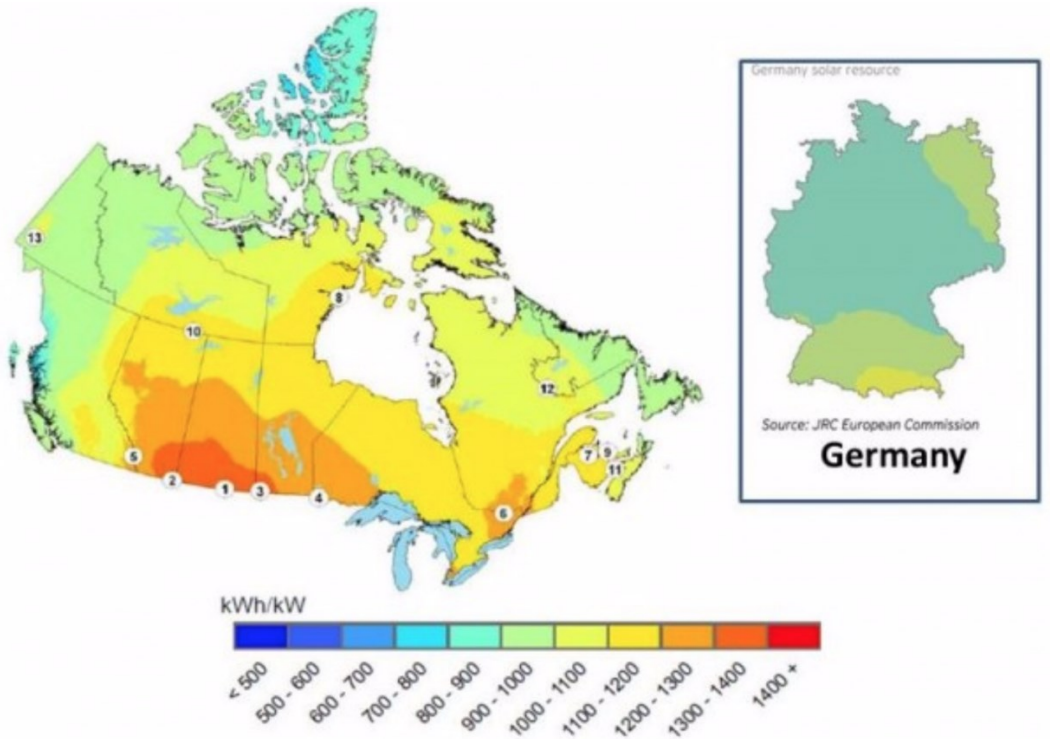
Net Metering ~

Whenever you are ready

NAVECOPOWER

SOLAR FARM METRICS





REGULATORY CONSIDERATION

Landfill:

Must conduct an EIA

Must apply for permits

Rooftop:

Work in progress – will be ready for final presentation

NAVECOPOWER

RECOMMENDED DEVELOPMENT PARTNERS

LORESS

Net Metering

RECOMMENDATIONS

Function of finances:

- Landfill = investment opportunity if grant money and NB Power accepts reasonable price point
- Net Metering = demonstrate leadership in the province

NAVECOPOWER