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1.2- Report Prepared by

Please indicate which leader is the main contact person

Name: Daniel Clancy, Rojin Derehshian, Curran Crawford

UVic affiliation: Student, Student, Faculty

Email: danclancy85@gmail.com

Phone #250-418-1687

1.3- Key Accomplishments

Please describe your projects key accomplishments.

The project reexamined previous studies for UVic on district energy system (DES) renewable energy options and process optimization, in light of new technology developments. Two options were studied in more detail; biomass and geothermal. Biomass feedstock available and carbon accounting was found to be the main uncertainty in that option, along with community acceptance of local combustion and truck traffic. The heat pump/solar option could provide a significant fraction of the DES load, and would be a unique technical approach for a BC university, tied in the 'greening' campus mission with research/teaching, including potentially attracting demonstration project funding to implement the system. Both options would require further engineering to fully cost and verify system performance/optimize the system.

1.4- Student Learning

Please describe how the expected student learning opportunities were realized.

Students learned about the overarching principles of district energy networks as well as how renewable energy systems can be integrated into them to displace natural gas consumption and consequently



systems

2.0 - Project Financials

2.1 – Budget

Please provide a completed final budget describing how the budget provide was actually spent. Please provide receipts for any expenses that have not yet been claimed through the Office of Campus Planning and Sustainability.

See detailed time sheets.

Please submit completed forms electronically to mgreeno@uvic.ca

Any questions please contact:

Matt Greeno

(P): 250-721-6678

(E): mgreeno@uvic.ca