



PROJECT OVERVIEW

TITLE: *Burns Lake Bio-energy Pilot Project*

Date: October 20, 2010

PROJECT DESCRIPTION:

This project has three major objectives:

- 1) To assist the Village of Burns to develop engineering and construction design work for a community heating system that will utilize pellets or waste wood. The design work will include detailed costs of construction and implementation, the resource requirements, and the projected revenues; and
- 2) Promote the expansion of bio-energy projects in the OBAC region. A reference document will detail the process and the associated outputs in the Burns Lake pilot. This will provide other communities with a reference template and costs that are reflective of small communities within our region.
- 3) Second Phase: Construction of a community heating system.

The first phase of the project is estimated at \$ 50,000. The OBAC will participate on the steering committee and in the implementation of the Burns Lake demonstration project.

RATIONALE:

This proposal is consistent with the Coalition's Alternative Energy Strategy. Growth of the alternative energy sector is a strategic priority for the province and the region. The options, feasibility, technologies and programs impacting the development of the industry are varied and complex. A number of government and non-government organizations are active in the sector. In this region, the bio-energy sub-sector is particularly active because of the connection to utilization of beetle-killed timber.

PARTNERS:

OBAC, Mountain Pine Beetle Epidemic Response Division of the Ministry of Jobs, Tourism and Innovation, GreenHeat Initiative,, Village of Burns Lake, Burns Lake Energy Forum, NDIT, NKDF, and possible others.

TIMELINES:

The objective will be to complete the first phase of the project by August 2011.

RESOURCES:

OBAC will contribute up to \$25,000 in funding toward the total project budget and in-kind support for the project.

REGIONAL STRATEGIES: *Alternative Energy/Future Forest and Fiber Use*

ACTIVITY

- *Identify, develop and implement actions that would increase alternative energy development.*

OUTPUTS

- *Work with the Burns Lake Energy Working Group to develop full business plans for a community heating project.*

INTERMEDIATE OUTCOMES

- *Increase the levels of rural community support and economic benefits from the development of alternative energy.*

OUTCOMES

- *Increased business growth and viability in the sector*
- *Economic growth and diversification*