WELCOME to the WEBINAR

Green Energy as a Rural Economic Development Tool Project

1:30-3:00pm PDT, February 20, 2014

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The LiveMeeting Environment

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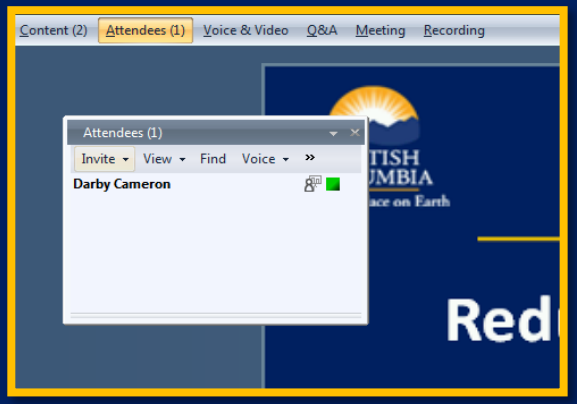
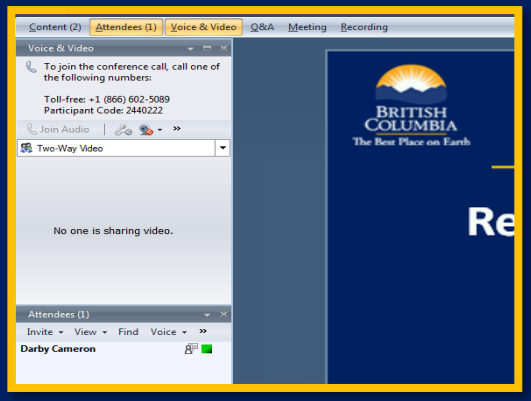
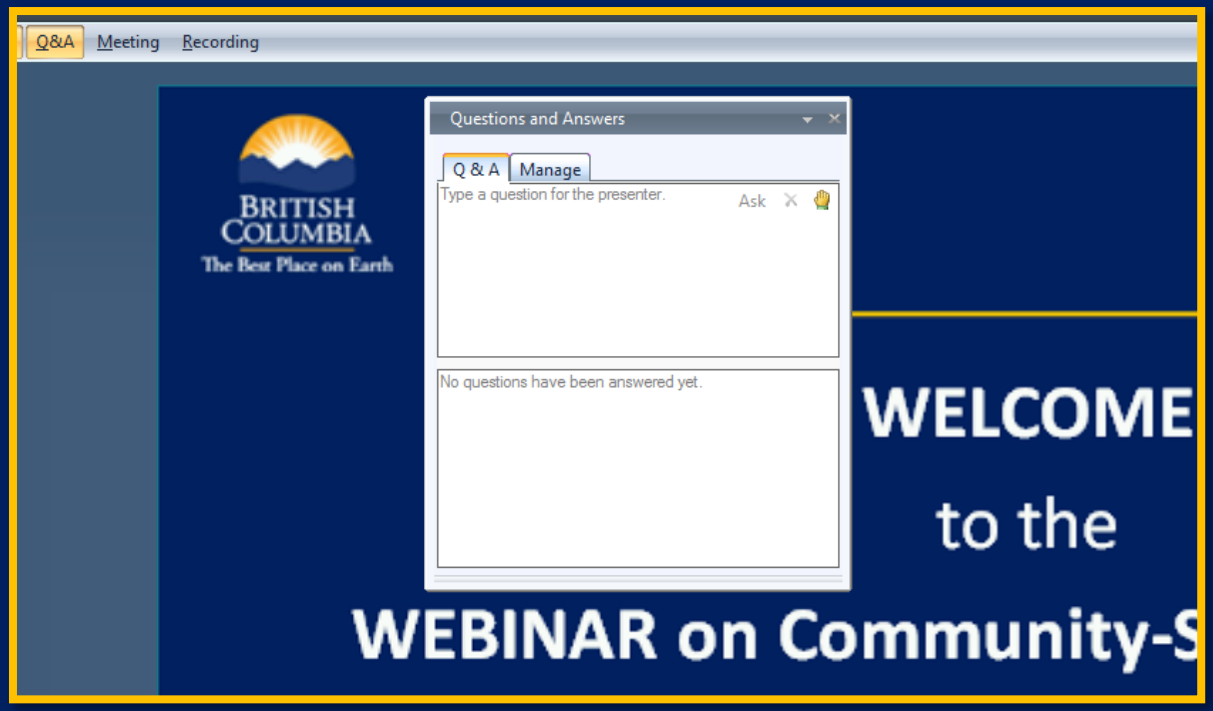


2. Release the pane in the shaded area. Repeat for the other desired menu items.



The LiveMeeting Environment: Q&A

You can post a question to be answered by the presenter at any time. Just click on the **Q&A** button in the toolbar at the top left of your screen, type in your question and hit return. We'll respond to your question as soon as possible.



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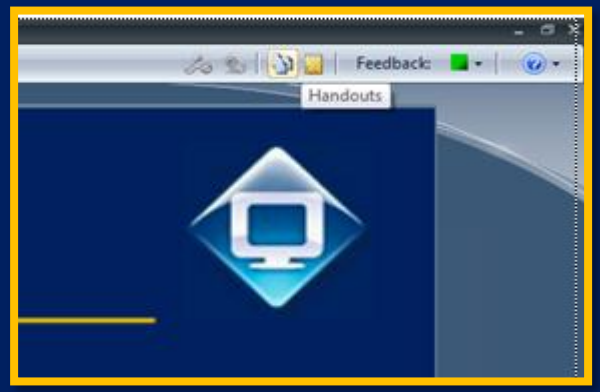
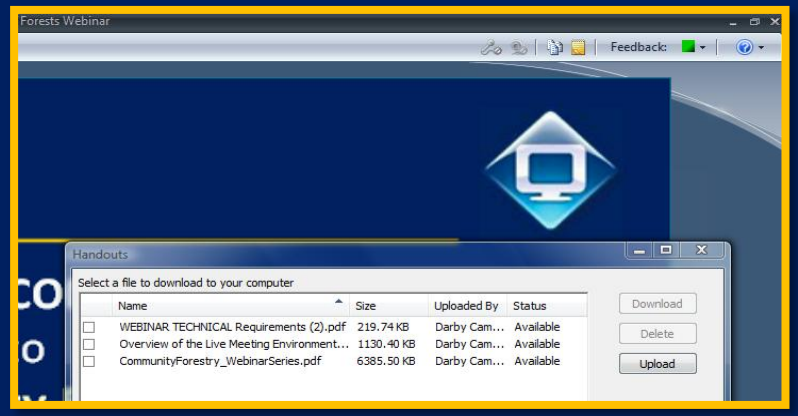
You can access a .pdf of today's PowerPoint presentation and other useful documents by:

1. Clicking on the handouts icon on the right side of your toolbar.



2. In the pop-up handouts box, indicate the document you desire and click download.



The LiveMeeting Environment: Feedback

You can provide feedback during the presentation. From the **Feedback** drop-down pane in the upper right corner of the toolbar, click the appropriate option from the "feedback to presenter" drop down list.

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Green Energy as a Rural Economic Development Tool Project

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Presenters

Marc Imus
Director, Community Economic Development – Jobs, Tourism and Skills Training

Gord Borgstrom
Consultant, Southern Interior Beetle Action Coalition

Audio information:	**-Dial-In Number: 1 877 353 9184**
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Webinar Agenda

1:30-1:40	Live Meeting Orientation & Economic Development Webinar Series Orientation	Josh Thompson, Economic Development Division
1:35-1:40	Webinar Intro, Bios & Agenda	Marc Imus, Community Economic Development
1:40-1:55	Project Overview	Marc Imus, Community Economic Development
1:55-2:30	Project Outcomes and Deliverables	Gordon Borgstrom, Southern Interior Beetle Action Coalition
2:30-2:55	Discussion	
2:55-3:00	Close	Josh Thompson, Economic Development Division

Quick Poll

Green Energy as a Rural Development Tool Project

Marc Imus, Director
Ministry of Jobs, Tourism & Skills Training

Gordon Borgstrom, Project Lead
Green Energy as a Rural Development Tool Project &
Consultant, Southern Interior Beetle Action Coalition

Presentation Overview

- Project Purpose & Objectives
- Project Funding Partners
- Project Information & Tools Available

Renewable Energy Impacts in BC: Quick Facts

- Created 18,000 person-years of employment
- $2 billion to economy
- $378 million to government for public services
- 27 recent projects = 3,800 person-years of construction employment
- 125 First Nations participating

Green Energy as a Rural Development Tool Project

Project Purpose:

To increase rural knowledge of green energy opportunities and to develop new tools that will facilitate increased rural benefits from green energy development in the Mountain Pine Beetle epidemic zone of BC.

Photo: Lake Country Micro-Hydro Facility

Green Energy as a Rural Development Tool Project

Major Project Components & Objectives:

1) To create & circulate green energy information resources & analysis tools to rural communities & First Nations to assist with the identification & development of green energy development opportunities in their respective communities.

2) To work directly with a number of small communities & First Nations in the MPB epidemic zone to assist them in furthering their proposed green energy development projects/concepts.

3) To work with green energy industry organizations & businesses to identify & implement actions to increase rural benefits from green energy development in BC interior.

4) To organize & deliver a series of regional outreach & knowledge extension activities throughout rural BC.

Green Energy as a Rural Development Tool Project

Project Funding Partners:

- BC Ministry of Jobs, Tourism & Skills Training – Pine Beetle Epidemic Response Branch
- Canada's Rural Partnership (Government of Canada)
- Cariboo-Chilcotin Beetle Action Coalition
- Columbia Basin Trust
- Omineca Beetle Action Coalition
- Southern Interior Beetle Action Coalition (Project Manager)

Green Energy as a Rural Development Tool Project

Aligns with BC Energy Plan – *A Vision for Clean Energy Leadership* & BC Bioenergy Strategy:

- new technologies & solutions to "green the grid" and provide clean remote energy
- all new electricity generation projects will have zero net greenhouse gas emissions
- clean or renewable electricity generation continues to account for at least 90% of total generation
- take advantage of BC's abundant sources of renewable energy (including wood waste from mountain pine beetle)

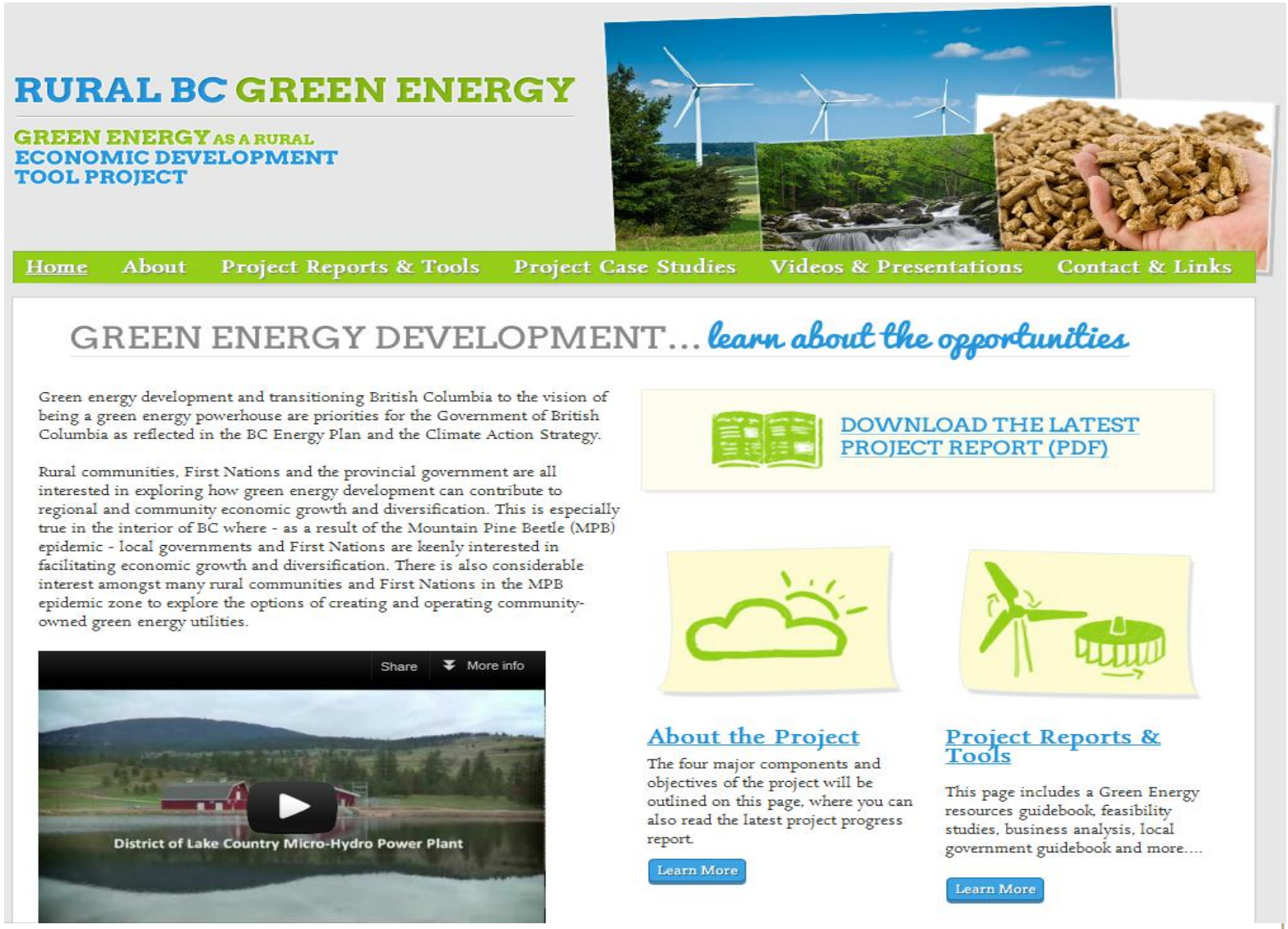
Green Energy as a Rural Development Tool Project

The Green Energy Project compliments other initiatives by the Province & Local Governments:

- BC Climate Action Toolkit – reports and guides
- Community Energy Planning (i.e. energyexplorer.ca)
- Smart Planning for Communities (Fraser Basin Council)
- Community Energy & Emissions Planning Guide
- Integrated Resource Recovery – utilization of waste to generate power
- BC Energy Map - http://www.toolkit.bc.ca/Resource/BC-Energy-Map-0

Green Energy as a Rural Development Tool Project

Project website: www.ruralbcgreenenergy.com

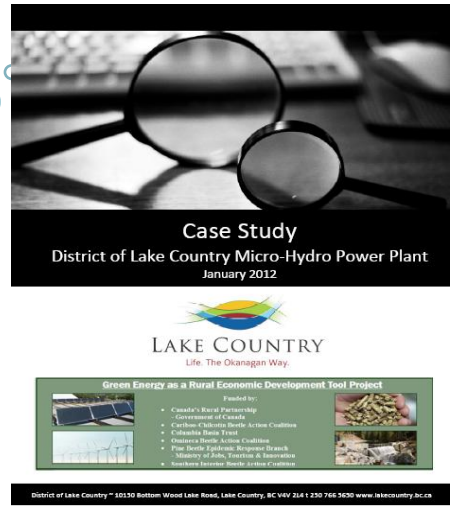


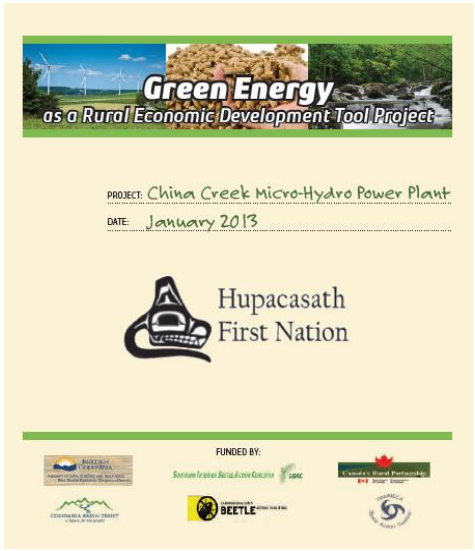
Green Energy as a Rural Development Tool Project

Key Tabs:

- About the Project
- Project Case Study Reports
- Project Reports & Tools
- Videos & Presentations

Green Energy as a Rural Development Tool Project





Project Case Study Reports Tab:

Detailed Case Study Reports (12 – 15 pages) that provide detailed descriptions of the development of the project; funding sources; timelines; construction costs; revenue/cost savings; and lessons learned.

Completed 4 Case Study Reports:

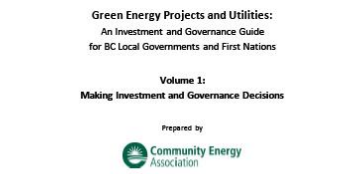
1.) District of Lake Country Small-Hydro

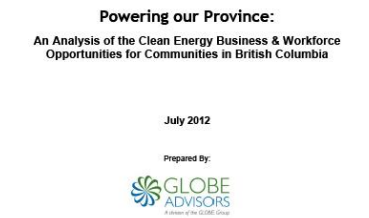
2.) Upnit Power - China Creek Small Hydro

3.) Lillooet Recreation Centre Biomass Heating

4.) Village of Granisle Firehall Biomass Heating

Green Energy as a Rural Development Tool Project





Project Reports & Tools Tab :

- Green Energy Information Resources Guide
- Green Energy Projects and Utilities: An Investment & Governance Case Study Guide for BC Local Governments and First Nations
- Powering our Province: An Analysis of the Clean Energy Business & Workforce Opportunities in British Columbia

Green Energy as a Rural Development Tool Project

Project Reports & Tools Tab (cont.):

- Biomass Fact Sheet
- "Micro"- Hydro Overview (in progress)

Green Energy as a Rural Development Tool Project

City of Armstrong:
Fortune Creek Small Hydropower
Feasibility Study

FINAL REPORT

Prepared by:

Dobson Engineering and
Urban Systems

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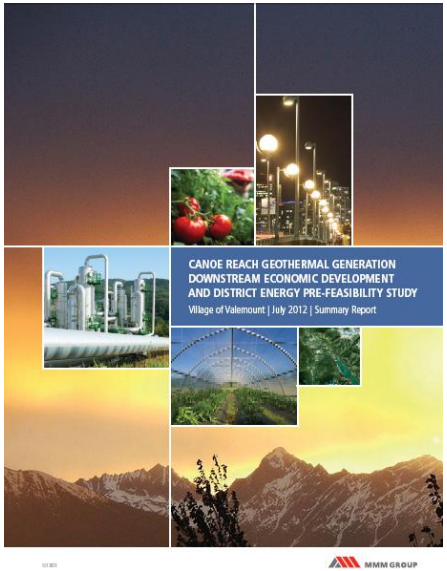
Kelowna, BC V1Y 1Z9

DOBSON Engineering Ltd.

URBAN systems



Project Reports & Tools Tab (cont.) :

Feasibility Studies:

- City of Armstrong Micro-Hydro
- District of Clearwater Micro-Hydro
- Simpcw First Nation Micro-Hydro
- Village of Valemount - potential use of "waste" heat from a proposed geothermal power plant
- Village of Telkwa Biomass Heating
- North Thompson Green Energy Opportunity Scan

Green Energy as a Rural Development Tool Project

Videos Tab :

Four Videos on the website:

1.) District of Lake Country Micro-Hydro Power Plant, Lake Country, BC

2.) Hupacasath First Nation – Upnit Power, China Creek Small Hydro, Port Alberni, BC

3.) The UNBC Bioenergy Project, Prince George, BC

4.) Fink Machine Bio-mass District Heating Project, Enderby, BC

Green Energy as a Rural Development Tool Project

Regional Meetings & Extension

Now trying to raise awareness of the project deliverables and tools through a variety of means:

- Held six regional workshops around the province in the late spring 2013
- Participating in webinars
- Participating in Conferences (e.g. UBCM, Sustainable Communities conference in Kelowna)
- Article in January 2014 issue of Municipal World magazine

Green Energy as a Rural Development Tool Project

Thanks

Questions?

Please Visit the website

www.ruralbcgreenenergy.com

Please pass along to folks that might be interested

Discussion

What types of information are you or your organization looking for to assist in developing a green energy project?

THANK YOU

for your participation in this webinar

Resources

Rural BC Green Energy—http://www.ruralbcgreenenergy.com/

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