

## **APPENDIX A - Category Specific Supplement**

### **GREEN ENERGY**

#### **I. Objectives**

To invest in green energy infrastructure that contributes to economic growth, a clean environment and stronger communities.

#### **II. Subcategories**

- Reinforcement, expansion of existing and construction of new transmission grids to transmit clean electricity, including smart grid technologies.
- Renewable Electricity Generation facilities (e.g., wind energy, solar energy, small scale hydro).
- Thermal heat/cooling delivery system (i.e. district energy systems) using renewable or combined heat/power plants.
- Projects for new or material rehabilitation or expansion of carbon transmission and storage infrastructure;
- Electric vehicle infrastructure.
- Clean coal facilities.

#### **III. Outcomes and Benefits**

The project must demonstrate how it provides benefits to British Columbians in support of one or more of the following outcomes:

- Increasing the security of British Columbia's clean electricity supply;
- Increasing installation of clean energy technologies that improve air quality and/or reduce greenhouse gases;
- Increasing the number of private sector and public sector installations and/or use of clean-energy technologies;
- Providing open-access to a large number of carbon capture facilities; or
- Increasing electricity trade connections between provinces, and/or between Canada and the United States that facilitate the transfer of clean electricity.

#### IV. Project Specific Criteria

- Must demonstrate the economic advantages and the broader public benefits of the project.
- For Transmission grid projects, the project must:
  - Support the development or transfer of clean electricity, especially to displace more carbon-intensive electricity; and
  - Support the security of electricity supplies, allowing for more efficient electricity markets/electricity use.
- For carbon transmission and storage project, the project must address:
  - Pipeline networks, or parts thereof, for transporting CO<sub>2</sub> that has been captured from large industrial emitters; or
  - Centralized hubs for injecting, monitoring, and permanently storing CO<sub>2</sub> in a geological formation.
- For clean coal facilities, the proponent must deploy technology to reduce air pollutants and GHG emissions at least as low as natural gas combined cycle technology such that it will satisfy the Canadian regulations for the coal-fired electricity sector, set to come into force on July 1, 2015.

#### V. Sources for Best Practices

- A Vision and Implementation Plan for Growing a Sustainable Energy Cluster in British Columbia: Provides a framework that promotes building smart, sustainable energy systems that leverage innovations to enhance how the province generates, delivers and uses energy.  
[http://www.llbc.leg.bc.ca/public/pubdocs/bcdocs/402789/aept\\_report.pdf](http://www.llbc.leg.bc.ca/public/pubdocs/bcdocs/402789/aept_report.pdf)
- BC Hydro Power Smart: Provides tips, tools, programs and products that are designed to enhance energy management expertise, so you can improve energy efficiency.  
<http://www.bchydro.com/powersmart.html>
- BC Sustainable Energy Association: This non-profit association of citizens, professionals and practitioners is committed to promoting understanding, development and adoption of sustainable energy, energy efficiency and conservation in British Columbia. <http://www.bcsea.org/>
- Canada Green Building Council: The Council is a broad-based inclusive coalition of representatives from different segments of the design and building industry that work to accelerate the design and construction of Green Buildings across Canada.  
<http://www.cagbc.org/>

- **Community Energy Association:** This charitable, non-profit society is taking action on climate change and energy sustainability by assisting communities to develop and implement energy efficiency and green energy initiatives.  
<http://communityenergy.bc.ca/>
- **BC Energy Plan:** Provides updates on the 55 policy actions outlined in the BC Energy Plan, which focus on the province's key natural strengths and competitive advantages of clean and renewable sources of energy.  
<http://www.energyplan.gov.bc.ca/default.htm>
- **The BC Climate Action Plan:** Provides summary of BC's actions to date and highlights new and future initiatives to reduce BC's carbon footprint.  
[http://www.livesmartbc.ca/attachments/climateaction\\_plan\\_web.pdf](http://www.livesmartbc.ca/attachments/climateaction_plan_web.pdf)
- **BC Climate Action Charter:** Details on how BC communities can commit to the goals of being carbon neutral.  
[http://www.cscd.gov.bc.ca/lgd/greencommunities/climate\\_action\\_charter.htm](http://www.cscd.gov.bc.ca/lgd/greencommunities/climate_action_charter.htm)
- **Weather, Climate and the Future:** Links to articles and information on BC air Quality.  
[www.env.gov.bc.ca/air/climate/cc\\_plan/pdfs/bc\\_climatechange\\_plan.pdf](http://www.env.gov.bc.ca/air/climate/cc_plan/pdfs/bc_climatechange_plan.pdf)
- **Greening the Building Code:** Provides information on how green building supports sustainable communities. [www.housing.gov.bc.ca/building/green/index.htm](http://www.housing.gov.bc.ca/building/green/index.htm)
- **Air Action Plan:** Sets out actions to reduce air pollution, complementing the government's plan to reduce greenhouse gas emissions.  
<http://www.bcairsmart.ca/docs/bcairactionplan.pdf>
- **BC Bioenergy Strategy:** Provides information on how to reduce greenhouse gas emissions and strengthen BC's electricity self-sufficiency.  
[www.energyplan.gov.bc.ca/bioenergy](http://www.energyplan.gov.bc.ca/bioenergy)