

CREATING BC'S CLEAN ENERGY FUTURE

INTEGRATED RESOURCE PLAN

**IRP**

STAKEHOLDER FEEDBACK  
ON DRAFT PUBLIC AND STAKEHOLDER  
CONSULTATION PLAN  
NOVEMBER 2010

**BC hydro** 

FOR GENERATIONS

## STAKEHOLDER FEEDBACK ON DRAFT PUBLIC AND STAKEHOLDER CONSULTATION PLAN NOVEMBER 2010

### We'd Like to Hear from You

Consistent with British Columbia's new *Clean Energy Act*, BC Hydro is preparing a long-term, Integrated Resource Plan (IRP) for submission to the Ministry of Energy by November 2011, after which the government will review the Plan and decide whether to approve it. The IRP will establish BC Hydro's plan for conservation and set its course for acquiring sufficient generation and transmission resources to reliably and cost-effectively meet customers' anticipated future electricity needs over the coming decades.

First, we would like to share information about the proposed consultation plan and topics, and then seek your feedback on the emerging IRP Public and Stakeholder Consultation Plan for 2011.

**For more information on the Integrated Resource Plan click [here](#).**

Please review the information below, then print out and complete this feedback form and mail it in.

#### **Feedback Deadline:**

Please submit your feedback by  
**December 15, 2010.**

#### **For further information:**

BC Hydro Integrated Resource Plan  
Email: [integrated.resource.planning@bchydro.com](mailto:integrated.resource.planning@bchydro.com)  
Web: [www.bchydro.com/irp](http://www.bchydro.com/irp)  
Mailing Address:  
P.O. Box 2850, Vancouver, B.C. V6B 3X2

## AN OVERVIEW OF THE DRAFT PUBLIC AND STAKEHOLDER CONSULTATION PLAN:

### Your Opportunity to Help Shape B.C.'s Clean Energy Future

In developing the IRP, BC Hydro wants to consult British Columbians as we set our course for a clean energy future. BC Hydro will consult with First Nations, stakeholders and the public as it develops an IRP that addresses core electricity planning objectives and responds to B.C.'s energy objectives. BC Hydro is conducting a comprehensive consultation process with First Nations, the public and stakeholders to inform the development of the IRP.

### The process for developing the Integrated Resource Plan includes three phases:

#### PHASE 1—Foundation for Integrated Resource Planning – Review of Technical Data and Consultation Design

In the first phase of developing the IRP, BC Hydro is focused on assembling key pieces of technical data necessary to construct a plan, as well as seeking input from selected First Nations and stakeholders with regard to the design of the consultation process. For example, BC Hydro is updating its technical data associated with resource options throughout B.C. Resource options include clean and renewable energy sources such as wind, wave, tidal, geothermal, bioenergy, run-of-river hydro, solar and others.

BC Hydro is seeking input from those with information on the resource potential in B.C. as it updates this province-wide inventory. BC Hydro has also worked with its long-standing Electricity Conservation and Efficiency Advisory Committee as it constructs plan options for energy conservation.

A Technical Advisory Committee is also being established that will assist BC Hydro in creating a thorough and well-considered plan through detailed technical input and feedback. The Committee will consist of knowledgeable participants with a significant stake, interest and experience in BC Hydro's resource planning process. This advisory input will be in addition to input provided by the public, First Nations and stakeholders through a province-wide consultation process.

### **PHASE 2 – Considering Our Clean Energy Future – Public, First Nations and Stakeholder Consultation**

In the second phase of developing the Integrated Resource Plan, BC Hydro will use the technical data from Phase 1 to develop and analyze various portfolios (sets of resource options) with the goal of determining the need for and the types of resources that can best meet future electricity needs and associated clean energy objectives.

BC Hydro will ask British Columbians to consider topics being addressed in the IRP. These topics include conservation options, electricity generation options, long-range transmission options, the potential for electrification (switching from other fuel sources to electricity, such as may happen in the transportation sector), and the potential market opportunity to export power. As part of Phase 2, and considering the resource options in various combinations, BC Hydro will examine the Site C Clean Energy Project, a potential third dam and hydroelectric generating station on the Peace River in northeastern B.C.

Consultation in March and April 2011 will seek input regarding the level of support for a variety of energy conservation measures and clean energy development options to meet future growth in demand for electricity, while considering the technical, financial, environmental and economic development attributes of each of these options.

Input received through consultation will be considered, along with technical, financial, environmental, and economic development considerations, as BC Hydro evaluates options and drafts the Integrated Resource Plan.

### **PHASE 3 – Reviewing the Draft Integrated Resource Plan – Public and Stakeholder Consultation**

First Nations, the public and stakeholders will be invited to provide their feedback on the draft Integrated Resource Plan.

BC Hydro will consider this feedback as it prepares its final draft Integrated Resource Plan for submission to government by November 2011, after which government will review the Plan and decide whether to approve it.

**[Click here for more information on the Integrated Resource Plan Public and Stakeholder Consultation Program.](#)**

#### **Potential consultation topics include:**

**Conservation Options** The first and best way to meet our future electricity needs is to reduce the growth in demand through conservation and energy efficiency. Conservation occurs when customers change their behaviours, business operations, equipment purchases or capital investment decisions in ways that reduce electricity usage and the impact on the environment. Conservation options include Power Smart programs, conservation rates and government regulations that encourage or require customers to conserve electricity. As per the new *Clean Energy Act*, BC Hydro must aim to meet at least two-thirds of forecast growth in the demand for electricity through conservation.

**Electricity Generation Options** While British Columbians are doing more than ever to conserve electricity, B.C.'s overall electricity use is expected to continue to increase over the coming decades due to population growth, and due to projected growth in the energy-intensive industrial sector. BC Hydro will develop and analyze various portfolios (sets of resource options) with the goal of determining the need for and the types of resources that can best meet future electricity needs and associated clean energy objectives. Potential resource options include run-of-river hydroelectric generation, wind generation, generation from biomass, geothermal-based generation, large hydroelectric generation (such as the Site C Clean Energy Project), natural gas-fired generation, and generation from emerging technologies such as tidal and wave.

**Electrification** **Electrification** is switching from other fuel sources to clean electricity. For example, switching from petroleum-fuelled vehicles to electric vehicles, switching from natural gas heating to electric heating, or large industrial customers switching from natural gas-fuelled equipment to clean electricity supplied by BC Hydro. Electrification will support the province's greenhouse gas emission reduction targets. The Integrated Resource Plan will consider how different electrification scenarios may affect electricity demand and what measures may be taken to serve this demand.

**Transmission Options** The transmission system is an essential link between the generation of electric power and the consumers of that power. The transmission system is planned and designed to efficiently deliver power while meeting high reliability standards. Transmission lines require long lead times to plan and construct; therefore, the need for new transmission lines must be identified many years in advance, based on where new electricity demand and new generation is projected to appear. The Integrated Resource Plan will be assessing long-term transmission options in the context of BC Hydro's system-wide requirements.

**Export Market Potential** The *Clean Energy Act* includes a provincial energy objective to be a net exporter of electricity from clean or renewable resources with the intention of benefiting all British Columbians and reducing greenhouse gas emissions in regions where British Columbia trades electricity. B.C. has a growing renewable power production sector that has expertise in building and delivering clean and renewable power. Export market development means that BC Hydro will seek opportunities to export energy over the long term, versus only exporting energy that is surplus to the province's needs on a short-term basis. The Integrated Resource Plan will undertake an assessment of the size of the potential export market and the share of the clean energy market that B.C. could expect to capture.

## PURPOSE OF THIS FEEDBACK FORM:

BC Hydro has undertaken a number of consultation design discussions this fall with representatives from environmental organizations, customer groups, First Nations, independent power producers, and others. These sessions explored what aspects of the IRP were of most interest, as well as how people would like to be engaged. We would like to add to this initial work undertaken by sending this survey out to a broader group of stakeholders for further input as we finalize our consultation plan.

BC Hydro would like to receive your feedback about the Integrated Resource Planning public and stakeholder consultation plan that is scheduled for March and April 2011, and again in October 2011.

This Stakeholder Feedback Form seeks input from you about:

- 1. Consultation topics**, to understand what aspects of the plan are likely to be of most interest.
- 2. How you want to be consulted** about the **Integrated Resource Plan**.

## HOW WILL INPUT FROM THIS FEEDBACK FORM BE USED?

Input gathered from consultation design discussions with stakeholders to date, as well as through this feedback form and other public, stakeholder and First Nations input gathered during the fall of 2010, will help BC Hydro to:

- Finalize its Public and Stakeholder Consultation Plan for 2011 regarding input into the Integrated Resource planning process (March and April 2011, and feedback on the draft Integrated Resource Plan (Fall 2011)); and
- Ensure stakeholder interests and information needs are met.

A Consultation Summary Report, summarizing input received about Integrated Resource Plan consultation topics and how the public and stakeholders want to be consulted will be posted on BC Hydro's website at [www.bchydro.com/irp](http://www.bchydro.com/irp).

Thank you again for your interest in the Integrated Resource Plan, and we look forward to receiving your input by **December 15, 2010**.

### For further information:

BC Hydro Integrated Resource Plan

Email: [integrated.resource.planning@bchydro.com](mailto:integrated.resource.planning@bchydro.com)

Web: [www.bchydro.com/irp](http://www.bchydro.com/irp)

Mailing Address:

P.O. Box 2850, Vancouver, B.C. V6B 3X2

## FEEDBACK FORM

### We'd Like To Hear From You

Please provide your feedback below by **December 15, 2010.**

**1. a) What Integrated Resource Plan topics would you like to provide input on?**

(You can select more than one of the following potential topics.)

- Conservation Options
- Electricity Generation Options
- Electrification (switching from other fuel sources to electricity.)
- Transmission Options
- Export Market Potential

### Additional Topics

**b) Are there any additional topics you would like to provide input on during the Integrated Resource Plan consultation in 2011?** (Please specify.)

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**2. How important are each of the following proposed Integrated Resource Plan topics to you?**

(Please circle the appropriate number for each topic.)

Topics	Very important	Somewhat important	Neither important nor unimportant	Somewhat unimportant	Very unimportant
Conservation Options	1	2	3	4	5
Electricity Generation Options	1	2	3	4	5
Electrification	1	2	3	4	5
Transmission Options	1	2	3	4	5
Export market potential	1	2	3	4	5

**3. a) How likely are you to participate in the following methods of Integrated Resource Plan Public & Stakeholder Consultation in 2011?** (Please circle one number beside each method.)

Methods	Very likely	Somewhat likely	Neither likely nor unlikely	Not very likely	Not at all likely
Stakeholder meetings	1	2	3	4	5
Public Open houses	1	2	3	4	5
Public & Stakeholder Consultation Workbook	1	2	3	4	5
Feedback Form	1	2	3	4	5
Online Consultation Workbook	1	2	3	4	5
Feedback Form	1	2	3	4	5
Email/Written Submissions	1	2	3	4	5

**b) What other consultation methods are you interested in participating in (i.e. webinars, focus groups, interviews, etc.)?** (Please specify.)

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**4. Would you like to receive updates on the Integrated Resource Plan consultation process for 2011?**

(If yes, please provide your contact information and complete the consent form below.)

- Yes
- No

**5. How would you like to receive further information about Integrated Resource Plan Public and Stakeholder Consultation programs in 2011?**

(You can select more than one method.)

- BC Hydro IRP Website
- Regular Mailing List Email Updates
- RSS Feeds
- Twitter or Facebook updates
- Phone
- Text Messages
- Media (newspapers, television or radio advertisements)
- BC Hydro bill insert
- Other (please specify): \_\_\_\_\_

