Overview

- Supply
- Demand
- Working together
Aug. 1, 1961

BC Hydro
FOR GENERATIONS
Our System
BC Hydro Overview

PROVINCIAL INFRASTRUCTURE

- 31 hydroelectric facilities
- 3 thermal generating plants
- 18,500 kms of transmission lines
- 56,550 kms of distribution lines
- Approx. 900,000 poles
- Interconnect to Alberta and U.S.
VI Vegetation Management/ Rights of Way

- Safety
- Reliability
- 4 year maintenance cycles for each
- 8700 km of overhead distribution circuit
- Annual budget $7 million

Electrical accident kills nine year old

Image of vegetation management and electrical distribution infrastructure.
## Suppliers

<table>
<thead>
<tr>
<th>Supplier</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOGAS</td>
<td>5</td>
</tr>
<tr>
<td>BIOMASS</td>
<td>10</td>
</tr>
<tr>
<td>ENERGY RECOVERY GENERATION</td>
<td>3</td>
</tr>
<tr>
<td>GAS-FIRED THERMAL</td>
<td>2</td>
</tr>
<tr>
<td>MUNICIPAL SOLID WASTE</td>
<td>1</td>
</tr>
<tr>
<td>NON-STORAGE HYDRO</td>
<td>45</td>
</tr>
<tr>
<td>STORAGE HYDRO</td>
<td>10</td>
</tr>
<tr>
<td>WIND</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>79</strong></td>
</tr>
</tbody>
</table>
Many of BC Hydro’s assets were built before 1970.

Spending an average of $2.3 billion a year for the next 3 years.

Vancouver Island: John Hart Replacement Project $940 million & 400 on-site jobs.
When choosing images, always opt for high quality, and try to keep these points in mind:

- Engaging
- Reality
- Depth
- Simplicity

View detailed consumption
Learn when you're using the most electricity and find ways to save.

START SAVING WITH POWER SMART
Learn about special offers and rebates for homes & businesses
View rebates & savings

POWER OUTAGES
Find current power outages, report an outage & more.
Find out more

TEAM POWER SMART
Exclusive offers and tools. Activate a $75 challenge or check on your challenge status.
View Members' Tool Box

ACCOUNT SERVICES
Show all
Move my service
Defer a payment
Report a payment
Pre-authorized payments
Equal payment plan

Current billing period
Feb 9 - Apr 10, 2013
Cost to date (32 days): $47* or 615kWh*
Projected cost: $89*

*This is an estimate. Consumption costs don't include taxes and other fees which appear on your bill.

Consumption alerts
Set up alerts to keep up to date on your electrical consumption.
Set up alerts

My bill amount for Feb 12, 2013
$104.72
Payment received: $104.72

View my balance
View my bill

Learn more about your rate.
Consumption data

Current billing period: Feb 9 to Apr 10, 2013

Cost to date:
$47*

Projected cost at Apr 10:
$89*

Daily consumption for Feb 9 – Apr 10, 2013
**Consumption data**  
Current billing period: Feb 9 to Apr 10, 2013

Cost to date: $47*  
Projected cost at Apr 10: $89*

Hourly consumption for Mar 11, 2013

Kilowatt hours (kWh)

The consumption data presented here is to help you manage your consumption and find ways to save energy. It is not used for billing purposes. Learn more [here](#).
A Power Smart opportunity arose through provincial energy and emissions policy.

Increasing Population Growth & Development

Increasing Focus on Green House Gas Reduction

Climate Action Charter

Bill 44

Bill 18

Bill 27
New Scale for Energy Planning and Action

**Province:**
- Provincial Energy Plan

**Region (regional district):**
- GHG Action Plans
- Regional Sustainability Plan
- Regional Growth Strategy
- Regional Infrastructure Plans
- Intermunicipal plan

**Municipality:**
- GHG Action Plans
- Official community plan
- Sustainability Plan
- Community Energy Plan
- Green Building Regs

**Neighbourhood:**
- Local area plan
- Integrated energy master plan
- District energy plan
- Design charrettes

**Site and Building:**
- Green Buildings
- Energy retrofits

**Technology**
- Light Bulbs, Refrigerator buy-back
Community Energy and Emissions Plans

CEEPs include energy reduction targets, strategies and implementation plans
• Community leaders participate as Steering Committee members
• Council adopts CEEP containing long term energy reduction targets

Typical themes include
• Buildings theme
• Transportation theme
• Land use planning theme

Typical strategies include
• Advancing Energy Efficiency Policy at municipal level
• Promotion of existing energy efficiency programs through local government avenues
• Transportation plans encouraging trip reduction, fleet right sizing and modal shift to low carbon options
Planning

ROW – Right of Way
Obtaining ROWs

Aging infrastructure and growth
Island - $20-30 million/ year

Call before you dig
Let us know when you do work
Beautification

- BC Hydro to share 1/3 of the cost to convert overhead distribution.
- Applications must be received by October 1
Graffiti Removal Agreements:
Funding partnership agreements with communities
Community Investment

BC Hydro supports non-profit organizations through that align with our business objectives

- Mountaineer Avian Rescue Society, $4000
- Cowichan Energy Alternatives, Sustainable Energy Workshop Series, $3000
- Nanaimo Science and Sustainability, Science in the Park Program, $3000
- BC Wildlife Federation Vancouver Island Region, Youth Camp, $1500
- Habitat Acquisition Trust, Goldstream Chums Program, $5000
- VISTA, Vancouver Island Spine Trail Development, $10000

Support for helipad on Cortes Is