Totally Radically Cool

A new approach to DSM

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FBC Companies

Natural Gas, Propane and Electricity

- **FEU gas**
  - 862,000 Residential
  - 93,000 Commercial
  - 900 Industrial

- **FBC electric**
  - 142,000 Residential
  - 16,500 Commercial
  - 50 Industrial
  - 4,000 Other
Current Policy Environment

2007

• BC Energy Plan
• *Greenhouse Gas Reductions Targets Act*
  33% below 2007 level by 2020
  80% below 2007 level by 2050
• *BC Climate Action Charter*
  Carbon neutral government by 2012
• *Carbon Tax Act*
  $30 per tonne as of July 1, 2012
• *Clean Energy Act*
• Amendments to the *Utilities Commission Act*
• DSM Regulation
• New Natural Gas Strategy

2012
Operating Environment
Societal Cost Test

- 3% discount rate
- 30% deemed adder for NEBs
- Ceiling price of biomethane – about $16/GJ
MTRC

- ZEEA
- 15% NEBs adder
- 33% of gas portfolio; 10% of electric
## Back in Business!

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Budget ($000's)</th>
<th>%age of total budget</th>
<th>Benefit/Cost Ratios</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2012</td>
<td>2013</td>
<td>2012</td>
</tr>
<tr>
<td>ENERGY STAR® DHW</td>
<td>1,786</td>
<td>1,786</td>
<td>6.01%</td>
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<tr>
<td>ENERGY STAR® Washers</td>
<td>525</td>
<td>525</td>
<td>1.77%</td>
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<tr>
<td>Behaviour Tool</td>
<td>500</td>
<td>1,050</td>
<td>1.68%</td>
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<tr>
<td>EGH 80/EE Appliances NC</td>
<td>945</td>
<td>945</td>
<td>3.18%</td>
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<tr>
<td>ECAP</td>
<td>4,450</td>
<td>4,450</td>
<td>14.98%</td>
</tr>
<tr>
<td>Catalytic Radiant Burner</td>
<td>53</td>
<td>313</td>
<td>n/a</td>
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<tr>
<td>Furnace Scrap-It</td>
<td>2,000</td>
<td>2,000</td>
<td>3.10%</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>10,258</strong></td>
<td><strong>11,068</strong></td>
<td><strong>34.53%</strong></td>
</tr>
</tbody>
</table>
Economic Impacts of EEC activity

• per $1 million invested in EEC activity by 2031
  • 10 additional jobs created
  • Output about $1.3 million
  • GDP change about $0.5 million
• Significant commercial and manufacturing impact
  • Eg large pulp and paper customer 77,000 GJs/annum
Thank You!

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