



Junk to Joules: Renewable Natural Gas

The Made in Your Community Solution

AVICC Conference – Powell River

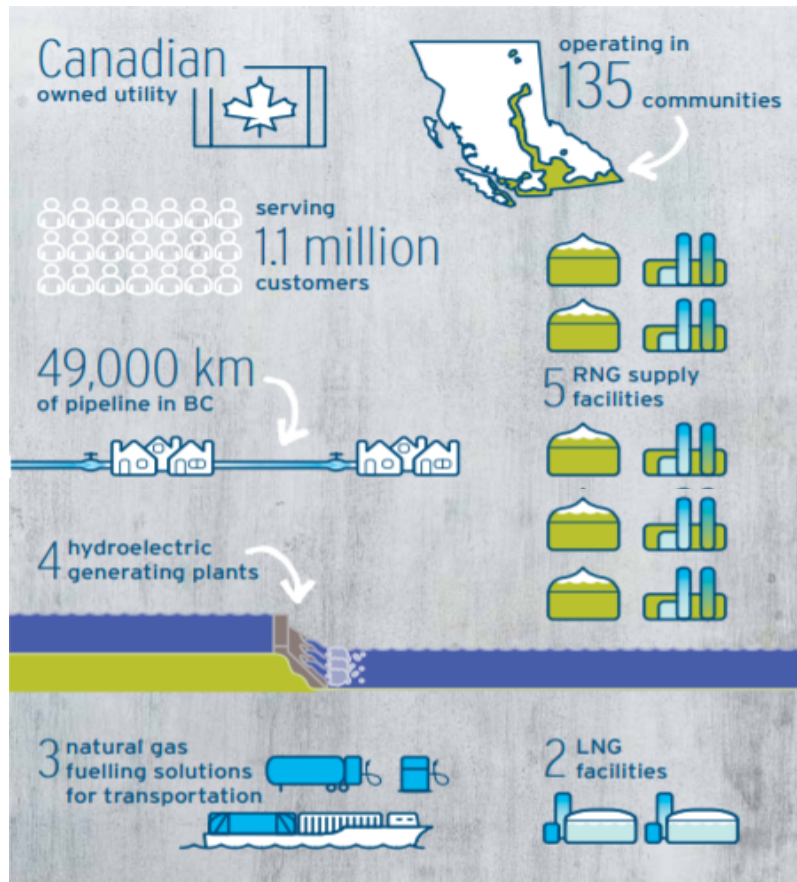
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Your energy company and much more



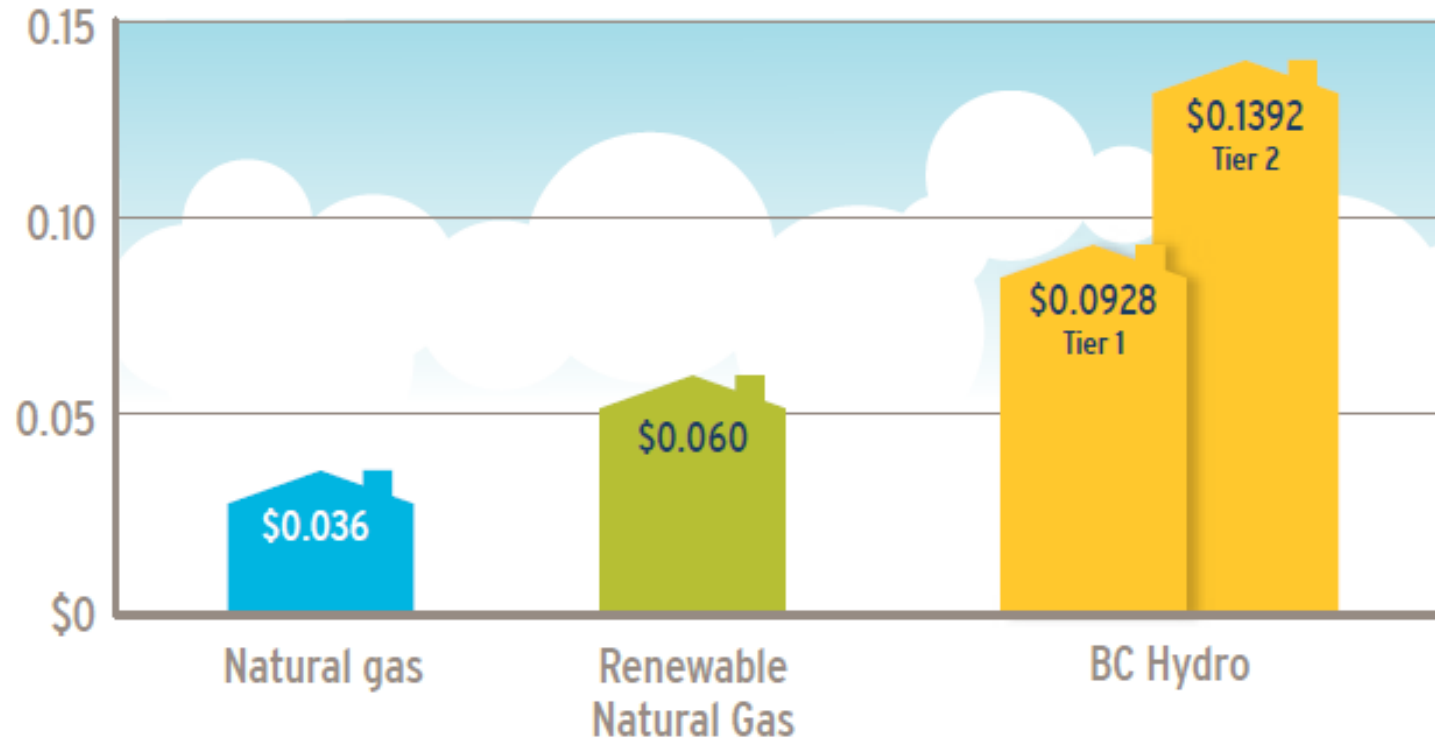
What is Renewable Natural Gas?

When organic waste decomposes it creates biogas, which can be captured and upgraded to produce biomethane or Renewable Natural Gas

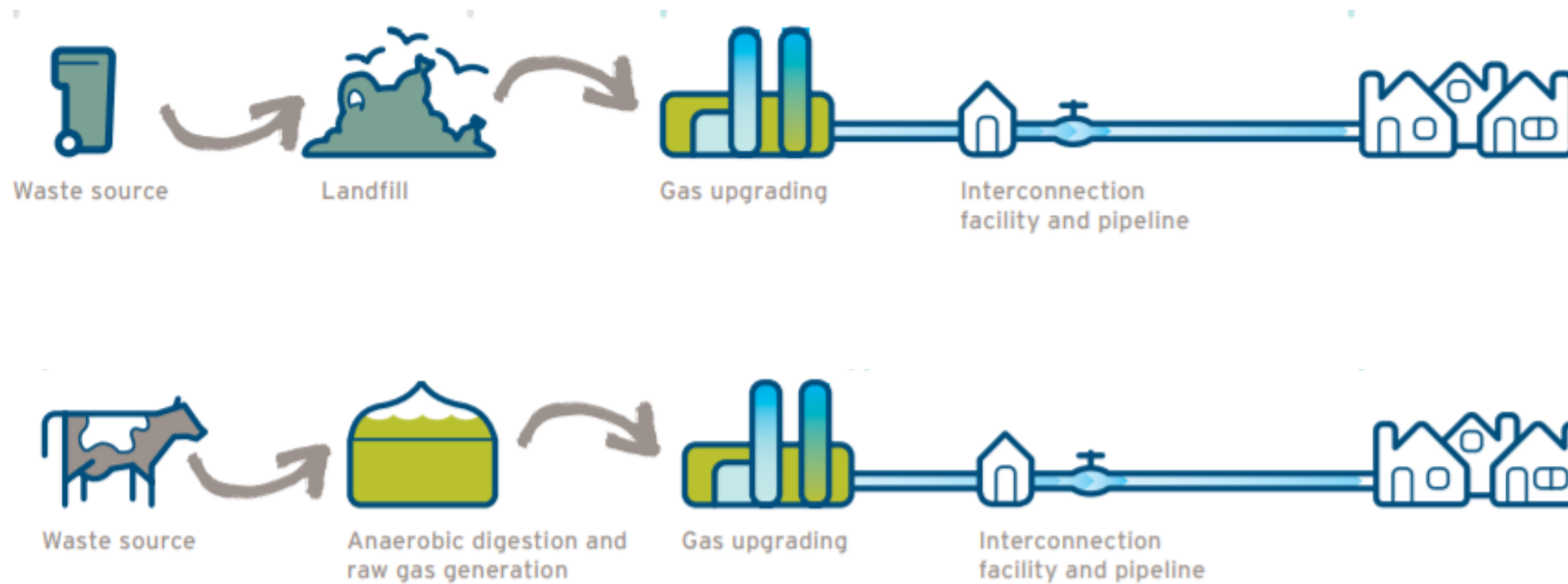


\$ per kWh Comparison

Residential Gas \$/kWh Price Comparison



Some examples of how RNG is produced



What does it mean for our community?



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1. Create a closed-loop system for community
 2. Address climate action goals
 3. Help stimulate the local economy
 4. Create opportunities for re-investment
 5. Deliver GHG reductions
 6. Tie-in to Transportation sector

What do I need to get started?



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1. Source
 2. Volume
 3. Location

How can municipalities & local governments play a role?



"FortisBC has top notch people... and taking part in the RNG program has allowed us to make progress towards achieving the requirements of the BC Landfill Gas Regulations. We also get financial benefits from selling landfill gas, and we're able to show municipal support for sustainability."

Scott Hoekstra, City of Kelowna

Multiple ways to develop/ support RNG:

- Supply waste stream
- Provide land for facilities
- Assist with aggregating sources
- Operate digesters
- Act as a regional IRR database

Salmon Arm Landfill



“This project is cutting-edge and we’re showing other small local governments that this type of project is do-able.”

Ben Van Nostrand
Waste Coordinator, Columbia-Shuswap Regional District

City of Surrey Biofuel Facility



Surrey Biofuel Facility storage tanks, fermenter, and biogas buffer.

“By working with FortisBC, we can add Renewable Natural Gas from the new biofuel facility to the distribution system already in place, and then draw it out where we need to fuel. It gives us great flexibility and efficiency while reducing our carbon footprint.”

Rob Costanzo, General Manager,
Corporate Services, City of Surrey

Thank You



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