



Committee of the Whole

penticton.ca

Committee of the Whole

to be held at the City of Penticton Council Chambers
171 Main Street, Penticton, B.C.

To view the Council Meeting, visit www.penticton.ca

Tuesday, March 1, 2022

Recessed from the Regular Council Meeting at 1:00 p.m.

1. **Call Committee of the Whole to Order**
2. **Adoption of Agenda**
3. **Delegations:**
 - 3.1 FortisBC Renewable Gas News Release: Comprehensive Review 1-10
Ben Nishi, Manager Commercial Energy Solutions, and Shelly Martens, Community and Indigenous Relations Manager
4. **Adjourn to Regular Meeting of Council**



Request to Appear as a Delegation

Preferred Council Meeting Date: March 1, 2022 1pm

Second choice(s): March 15, 2022 1pm

Subject matter: FortisBC Renewable Gas News Release: Comprehensive Review

Name of person(s) making presentation:

Ben Nishi, Manager Commercial Energy Solutions & Shelley Martens, Community & Indigenous

Address: _____

Phone: _____

Email: Benjamin.Nishi@fortisbc.com and shelley.martens@fortisbc.com

Please provide details of your presentation or request of Council here: (or provide a detailed attachment)

Present information on FortisBC's recent BCUC application to put forward a proposal
where every newly constructed home connecting to the gas system would
automatically receive 100 per cent renewable gas for the lifespan of the building
Outline benefits to municipalities to support municipal and provincial GHG emission
reduction targets in an innovative and affordable way

Please note:

- Due to COVID-19, meetings may be held electronically. Participation details will be confirmed with you prior to the meeting.
- This form and submissions will become part of the public record.
- The Mayor has the authority to determine if the subject matter warrants the delegation to appear before Council and may determine at which meeting.
- Please submit this completed form at your earliest convenience. Written Requests to Appear are to be received by the Corporate Officer, no later than noon Monday, one week prior to the Council meeting. Please include a copy of all materials that will be discussed.
- If you'd like to share a PowerPoint with Council, email it to the Corporate Officer by 9:30 a.m. Wednesday prior to the Council meeting to be included with the Agenda. If presenting via zoom, please be prepared to share your screen.
- **Delegations are limited to 5 minutes.**

Corporate Office
Angie Collison, Corporate Officer
171 Main Street, Penticton, B.C., V2A 5A9

Phone: 250-490-2410
Fax: 250-490-2402
angie.collison@penticton.ca

FortisBC
Renewable Gas and Decarbonization



The need for Diversified Energy

- FortisBC has a proven history in BC's energy industry
- BC already has:
 - significant existing energy infrastructure
 - a clean electricity system
 - large renewable, natural gas and biomass resources



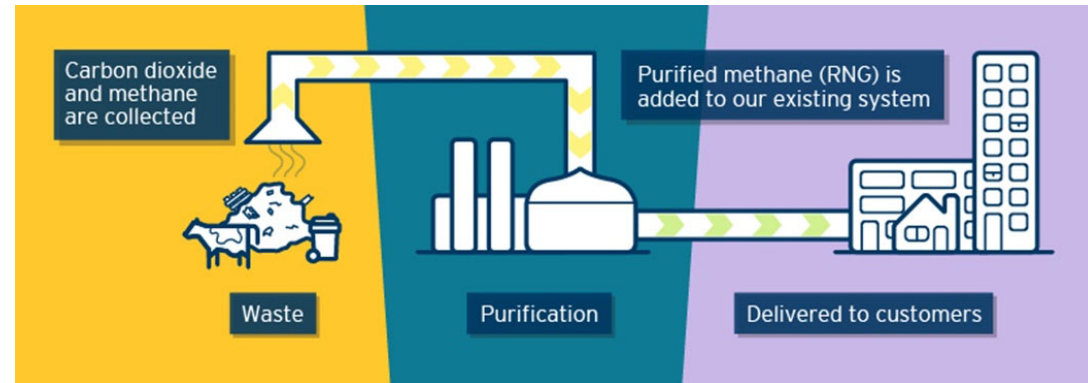
What is Renewable Gas and how is it made?

Types of Renewable Gas:

- Hydrogen
- Renewable Natural Gas
- Syngas/Lignin

Current Renewable Gas Partners:

- Glenmore Landfill, Kelowna
- Salmon Arm Landfill
- Seabreeze Farms, Delta
- Lulu Island Wastewater Plant, Richmond
- Fraser Valley Biogas, Abbotsford
- Surrey Biofuel Facility
- Vancouver Landfill



What is Renewable Gas and how is it made?

Renewable Natural Gas (RNG) production facilities under construction:

- City of Vancouver's landfill in Delta, BC
- Fruitvale, BC, REN Energy International Corporation is building a first-of-its-kind facility to produce RNG from wood waste
- Capital Regional District is working with FortisBC on a supply contract for Victoria's Hartland Landfill
- South of the border in Dunmore, Pennsylvania, Archaea Energy announced Project Assai RNG facility which will see RNG being delivered to FortisBC in February 2022

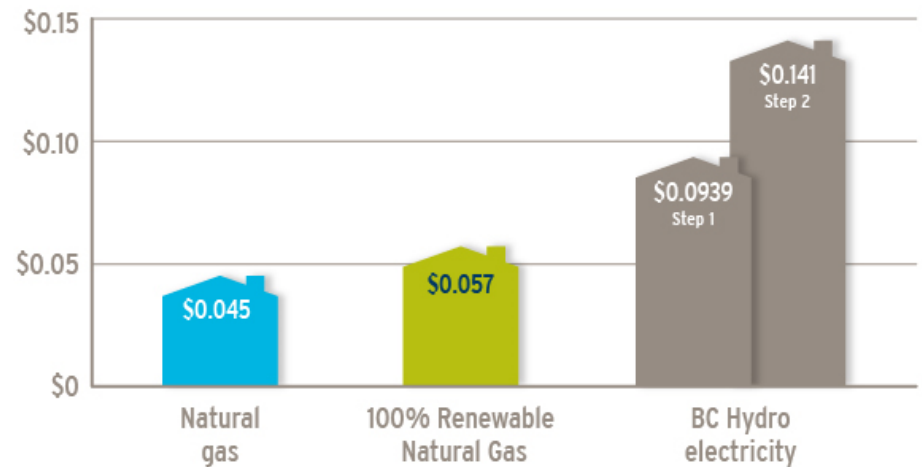


Thanks to our newly signed agreements, we are excited about the combined supply of 800,000 gigajoules (GJs) of RNG we're receiving annually.

What are the benefits of Renewable Gas?

- Beyond being carbon neutral....
 - Can use existing gas infrastructure
 - No upgrades needed on the part of the customer
 - Cost effective

Residential Gas \$/kWh Price Comparison



Based on rates as of October 2021. Electricity rates exclude basic charges.

Fuel Source Emissions Factors	
<i>Source: 2018 B.C. Methodological Guidance for Quantifying Greenhouse Gas Emissions</i>	
Fuel Type	Emissions factor (CO ₂ e/GJ)
Renewable natural gas	0.29
Electricity (supplied by FortisBC)	0.72*
Electricity (supplied by BC Hydro)	3.0*

*excludes imported electricity
<https://www2.gov.bc.ca/assets/gov/environment/climate-change/cng/methodology/2020-pso-methodology.pdf>

Decarbonizing new and existing customers

Ongoing



Blends of 5, 10, 25, 50 or 100% as Renewable Gas

New



New residential gas connection customers to receive 100% Renewable Gas for the life of their building

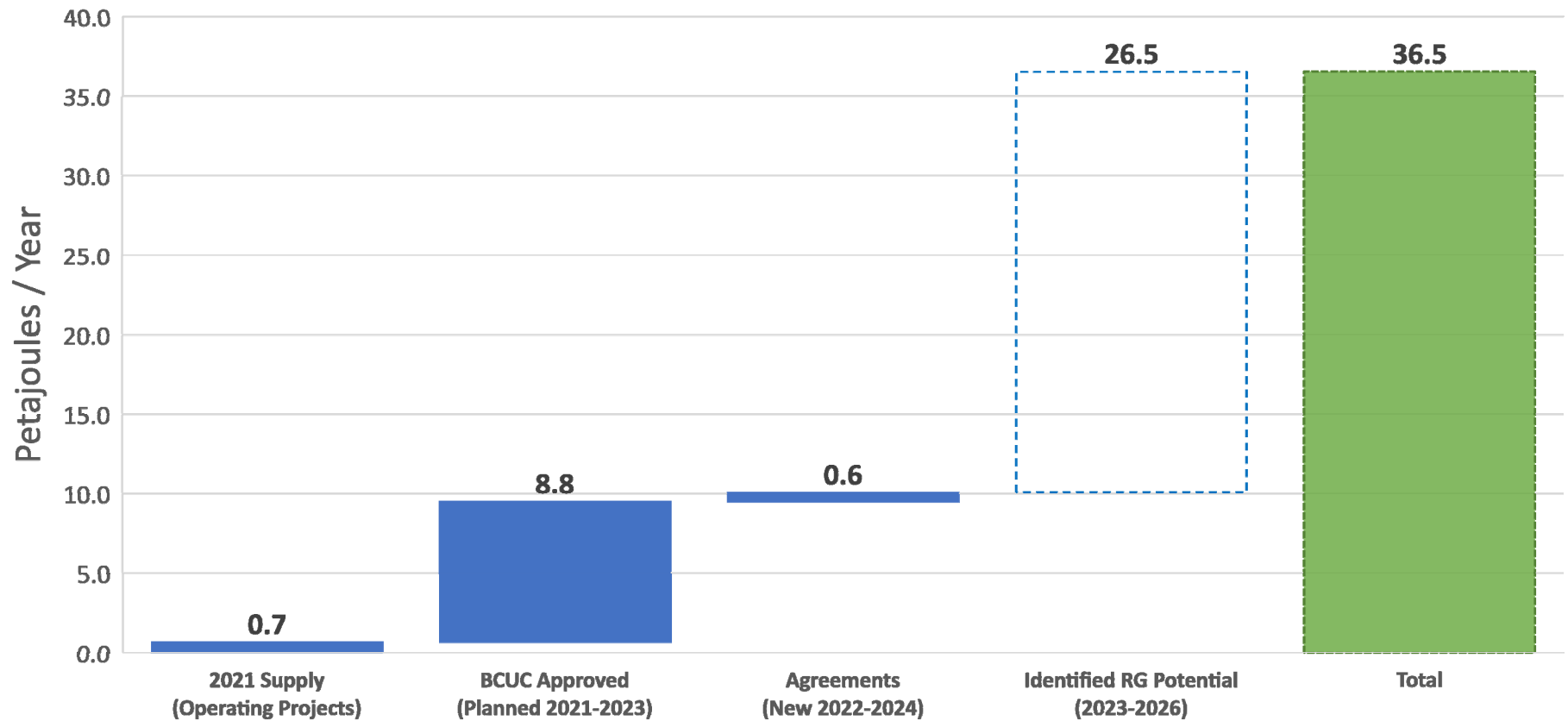
New



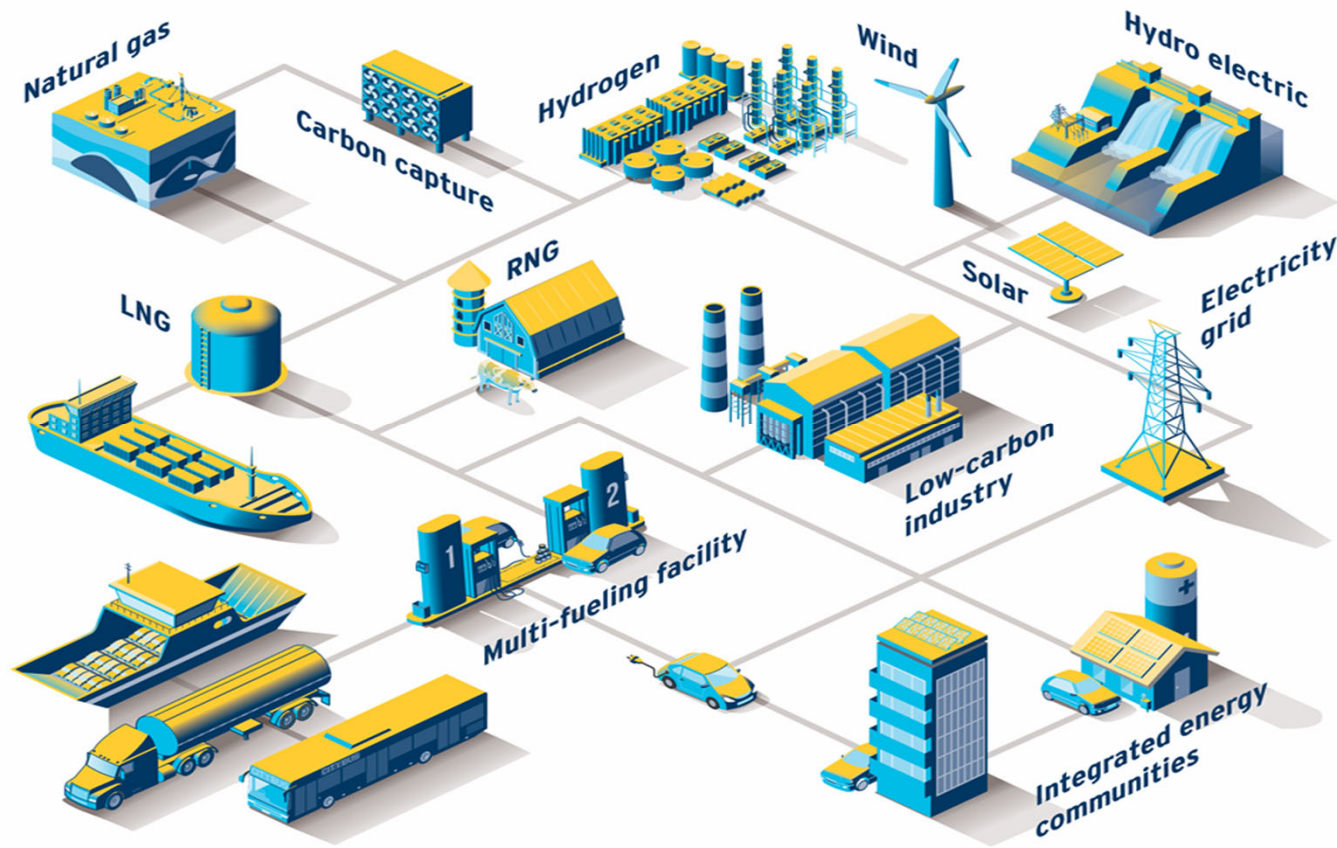
All existing customers to receive a blend of Renewable Gas (targeting 1% in 2024 and increasing over time)

Renewable gas short-term supply outlook

Renewable Gas 5 Year Supply Outlook
Q1 2022



Our vision: energy efficiency & renewable gas for clean, reliable, and affordable energy



Thank you



**For further information,
please contact:**

Shelley Martens, Community & Indigenous Relations Manager

Shelley.martens@fortisbc.com

250-868-4525

Ben Nishi, Manager-Commercial Energy Solutions

Benjamin.nishi@fortisbc.com

604-592-7671

Find FortisBC at:

Fortisbc.com



604-576-7000