

Transitioning to a lower carbon energy future for BC



Who is FortisBC?



BC's largest energy provider

- more than 2,700 employees
- deliver natural gas, electricity, renewable natural gas and innovative energy solutions
- 1.2 million customers in 135 communities



Pillars of our Clean Growth Pathway to 2050



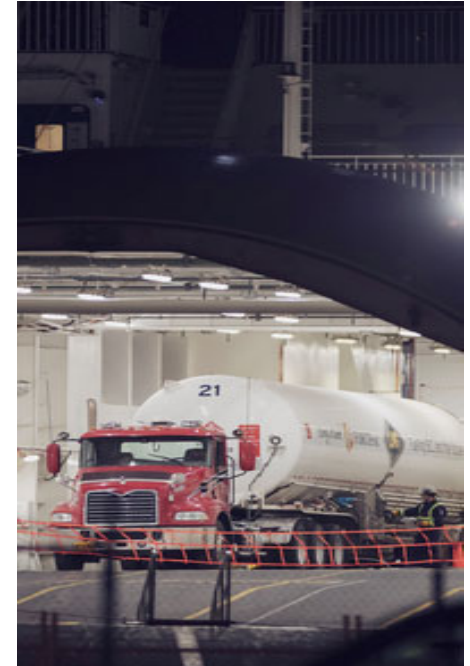
**Renewable
gas**



Energy efficiency

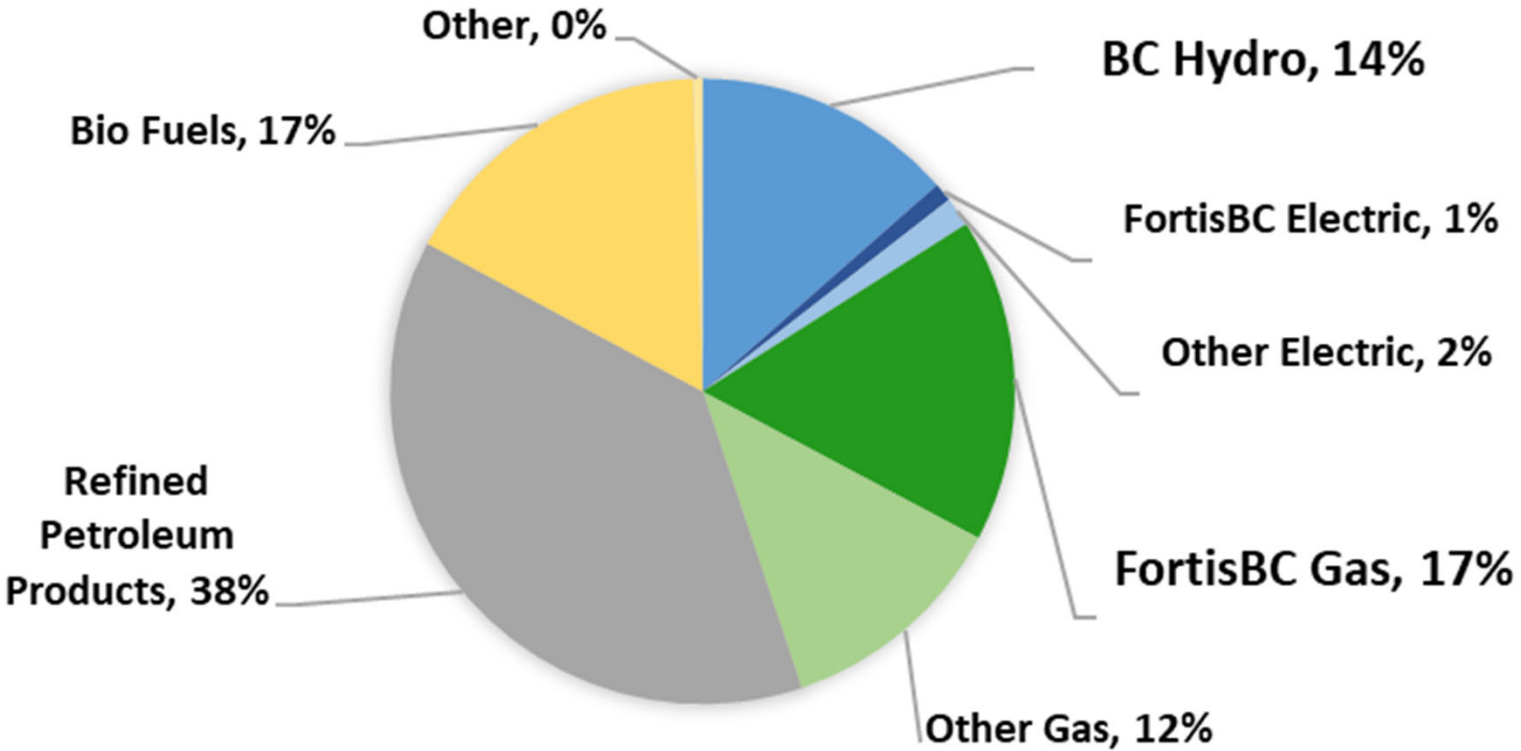


**Zero and
low carbon
transportation**



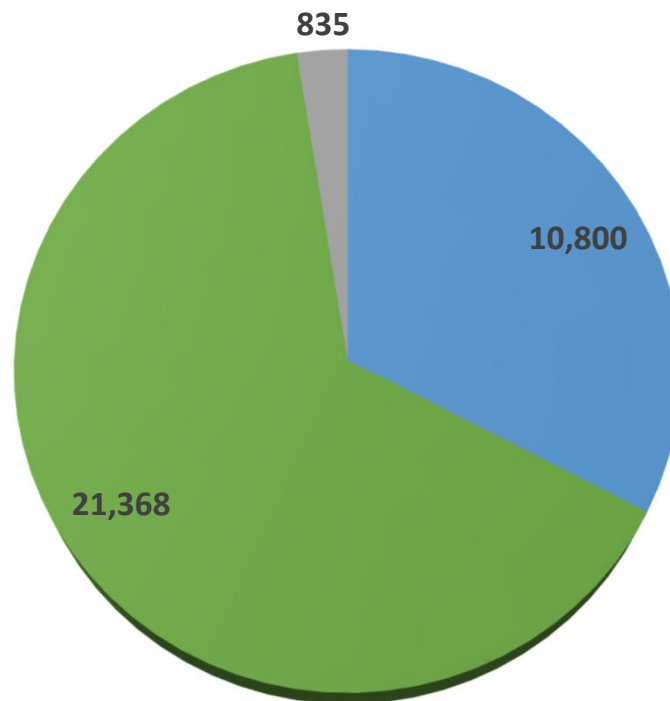
Global LNG

BC ENERGY DEMAND 2019



Winter Energy “PEAK”

Gas and Electric Energy Demand (MW)



■ BC Hydro ■ FortisBC Gas ■ FortisBC Electric

Kelowna Electrification Case Study

- Analyzed impact of **electrifying gas demand**
- Key findings:
 - Peak demand could more than triple causing significant capital upgrades
 - Significant Rate Increases
 - Will require new generation in addition (at further additional cost)

What is Renewable Gas and how is it made?

Landfill



Farms



Wastewater



Green Waste



Abundant Renewable Gas under contract

Enough to heat 320,000 homes

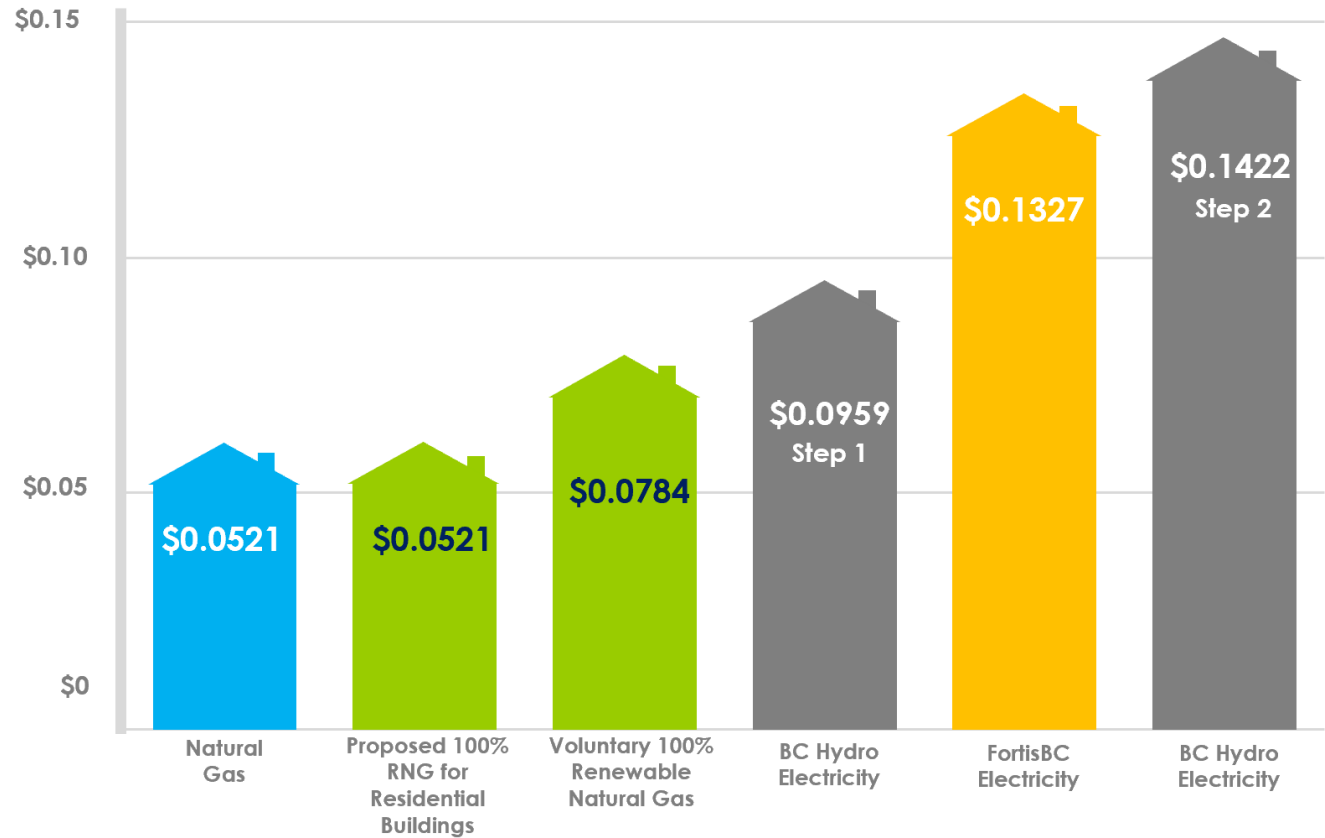


~ = **Site C Dam energy**



What are the benefits of Renewable Gas?

- **Low or negative carbon!**
- Can use existing gas infrastructure
- No equipment upgrades for customers



Renewable Gas Proposed Program



- All **NEW residential gas** connection customers to receive **100% Renewable Gas** for the life of their buildings



- All **EXISTING customers** to receive a blend of Renewable Gas starting in 2024



- Continuation of Voluntary Blends (residential, commercial, industrial and transportation) up to 100%

Recommendations

- Recognize renewable gas as a low-carbon energy system in the same fashion as electricity and ensure policy frameworks continue to provide a role for gas in buildings
- Work collaboratively with FortisBC when considering your Community Climate Action Plans.
- Continue decarbonizing buildings and reducing emissions, utilizing RNG to ensure a low-carbon, resilient and affordable energy system

Thank you



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