Southeast False Creek Neighbourhood Energy System

IDEA Conference
June 2018
Southeast False Creek NEU Overview

- Utility provides space heat & domestic hot water
- Operational since 2010
- Owned & operated by the City with independent oversight by Expert Panel
- 70% of energy from renewable sources: waste heat from sewage + renewable natural gas
- Financially self-sustaining, delivering cost-effective renewable energy
Utility Principles of Governance

- **Renewable Energy**: accelerate 100% renewable energy outcome & maximize use of local resources like waste heat

- **Long-term financial viability**: return on investment commensurate to a commercial model

- **Customer cost**: provide competitive customer rates

- **Resiliency**: utilize a design approach that maximizes reliability & long-term flexibility to adapt to new technologies
Current Service Area

Buildings Connected: 32  I  Floor Area: 5.2 M sq. ft.  I  Pipe Length: 4.7 km

480,000 m²  I  2.9 miles
On February 21, 2018 City Council approved an expansion plan for the City-owned NEU to parts of Lower Main, the False Creek Flats, and NE False Creek.
Expansion Plan Areas

- **Northeast False Creek**
- **Providence Hospital Site**
- **False Creek Flats**
- **Lower Main**

~22 million sq. ft. of floor area at build-out
~2 million m²
More during the tour...

Learn more at vancouver.ca/neu