

# False Creek

## Neighbourhood Energy Utility (NEU)

Vancouver, B.C.



### SITE INFO



PRODUCT INSTALLED  
PROJECT TYPE  
PROJECT SIZE  
COMMISSIONED

**5x SHARC 880 SYSTEM**  
**DISTRICT ENERGY**  
**23 MILLION FT<sup>2</sup> (2 MILLION M<sup>2</sup>)**  
*PLANNED TOTAL SERVICE AREA*  
**2 SHARC 880's: MARCH 2017**  
**+3 SHARC 880's: JULY 2024**



Two SHARC 880's were installed in March 2017, **contributing to a carbon reduction of 4,400 tonnes/year.**



Three more SHARC 880's were added (for a total of 5) on July 2024 to support increasing demands due to planned expansion.

## District/Thermal Energy Network (TEN) Wastewater Filtering

Established in 2006, the ~ 6.4 million ft<sup>2</sup> (600,000 m<sup>2</sup>) False Creek NEU was created as part of the City of Vancouver's Climate Emergency Action Plan to minimize GHG emissions via a financially self-sustaining, commercially operated utility that delivers competitively priced energy.

**The utility is self-funded and provides a return on investment (ROI) to taxpayers while reducing carbon by 4,400 tonnes/year.**

The system was put into service in 2010 for the Olympic Village development, and has grown to include landmarks like Science World and Emily Carr University of Art & Design.

Land developers can "tie in" to the giant thermal energy loop and sustainably leverage its energy for their buildings.

When its delivered in 2025, the **9.8MW** project with a total planned area of ~23 million ft<sup>2</sup> (2 million m<sup>2</sup>) **will be the biggest WET (Wastewater Energy Transfer) project in North America.**



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# Wastewater Energy is powering False Creek NEU's decarbonization



## QUICK FACTS

- Utility is self-funded and generates return on investment
- Largest WET installation in North America (9.8 MW in 2025)
- False Creek NEU grew >300% in 10 years (2010-2020)
- Total planned service area of 23 million ft<sup>2</sup> (2 million m<sup>2</sup>).
- Superior filtration, consumes no fresh water and requires little maintenance.
- Fully sealed, little to no odor
- Using WET reduces carbon by 4,400 tonnes/year
- LEED Platinum

Throughout the expansion, the sustainable power of wastewater has been proven by False Creek NEU to be a valuable source of thermal energy that accelerates their decarbonization & electrification goals.

**Remarkable growth.**  
**Intelligent design.**  
**Outstanding impact.**

Wastewater Energy Transfer (WET) is broadening the sustainable energy toolset for District Energy projects and is quickly becoming a standard practice because of its clear impact & return.

False Creek, and its parent the City of Vancouver, are realizing significant benefits from wastewater energy every day.

Forward-thinking, sustainable WET energy projects are paving the way for a better world that uses 100% renewable energy.



**WET-ENABLE YOUR DISTRICT/TEN TODAY!**

Call +1 (604) 475-7710 or visit [SHARCEnergy.com](http://SHARCEnergy.com)

[DISTRICT.SHARCENERGY.COM](http://DISTRICT.SHARCENERGY.COM)