Sewer Heat Recovery

An innovative new renewable energy source for our community

SewerHeatRecovery
A King County renewable clean energy resource

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Department of Natural Resources and Parks
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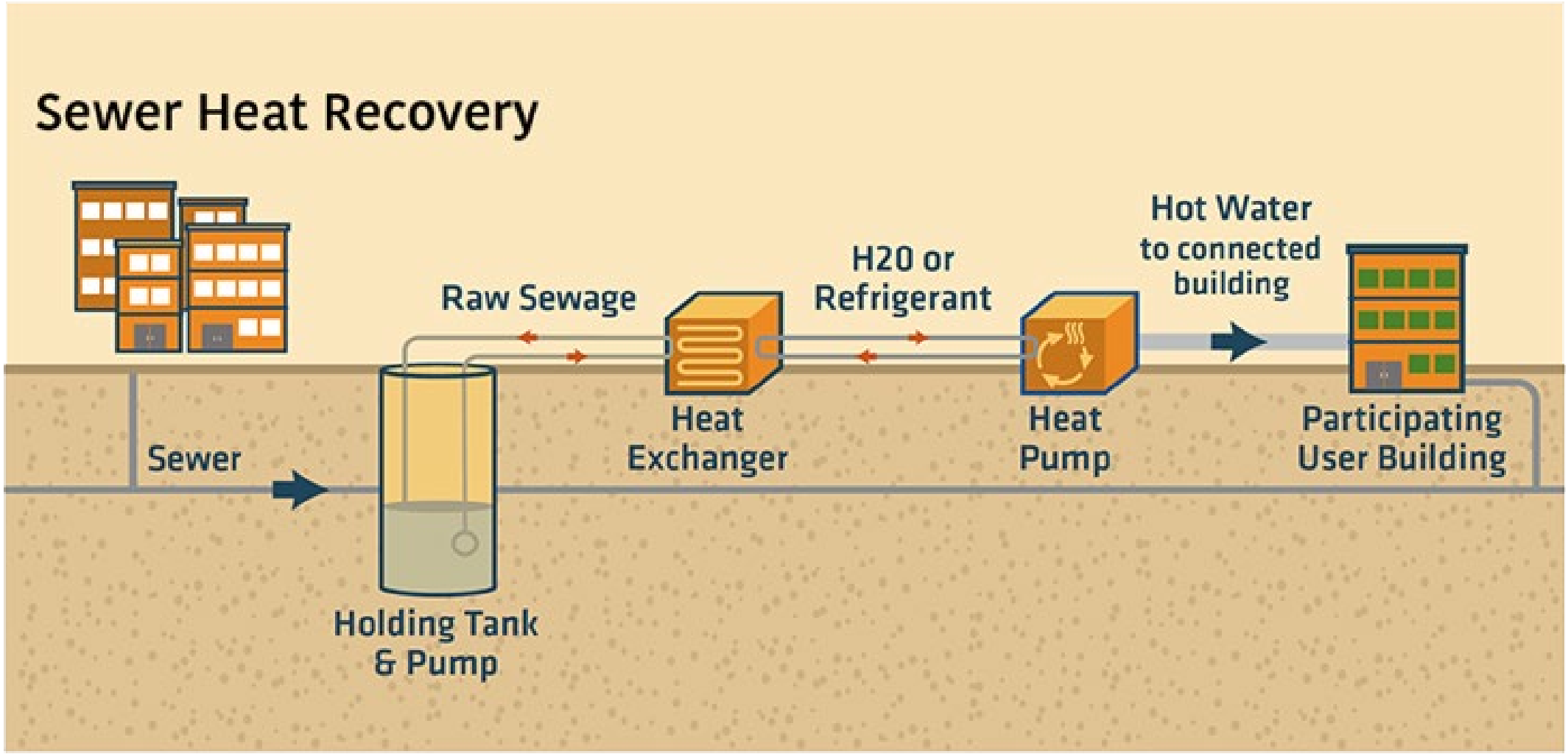
Why Sewer Heat Recovery?

- More efficient than generating new energy
- Enormous untapped resource
- 350 billion kWh discarded annually

HOW DOES IT WORK?



Harnessing valuable resources that would otherwise be lost.

System Requirements

- Access to sewage line
- Hydronic building systems
- Redundant systems for peak use

King County South Plant

False Creek Neighbourhood Energy Utility, Vancouver BC

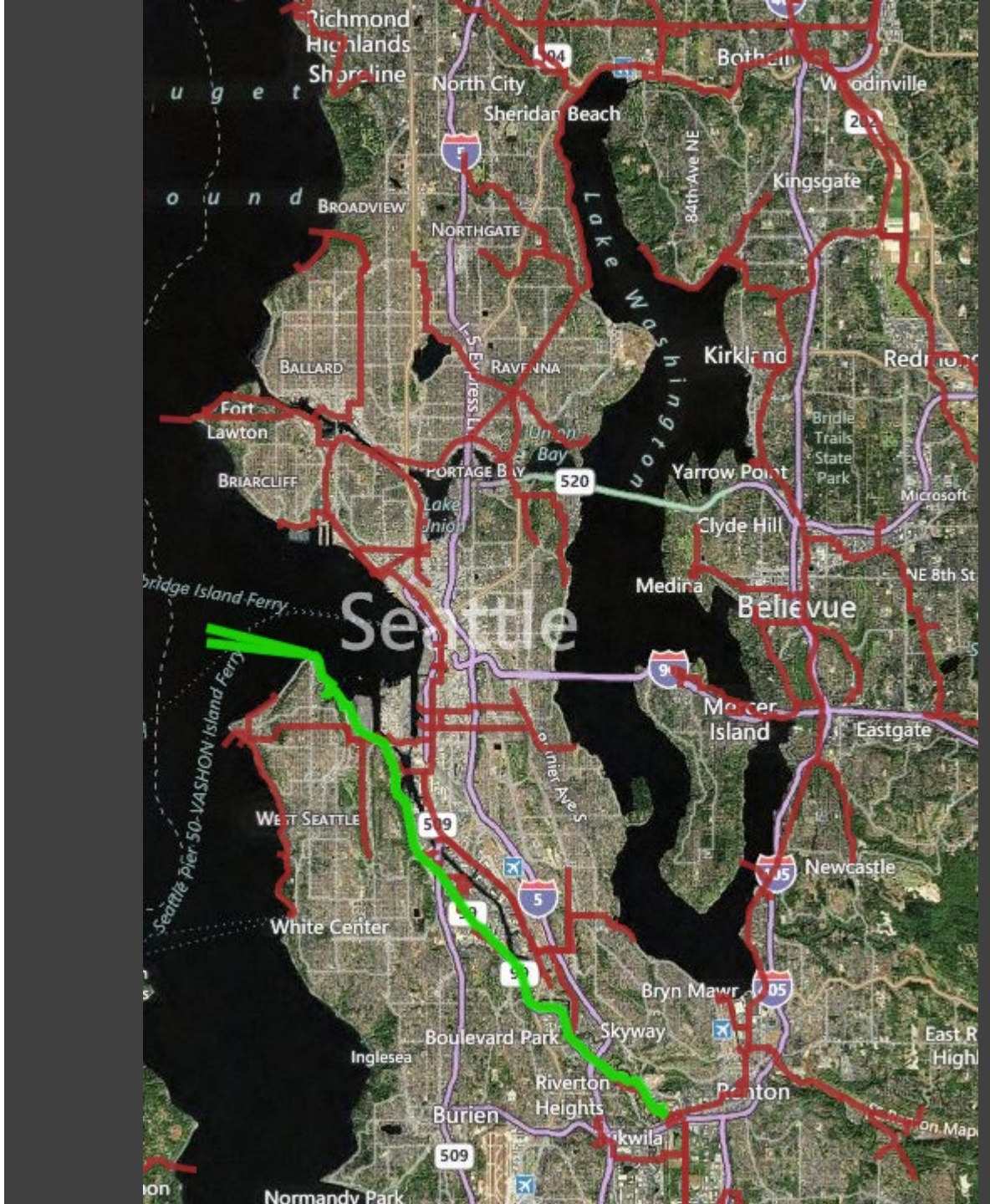
American Geophysical Union HQ, Washington DC

National Western Center campus, Denver CO

Proven technology

Potential in King County

- Large pipes in dense areas have greater flows with more consistency
- King County interceptors may be best suited
- Key factors are user proximity to pipe and flow in that location



WTD Goals and Commitments

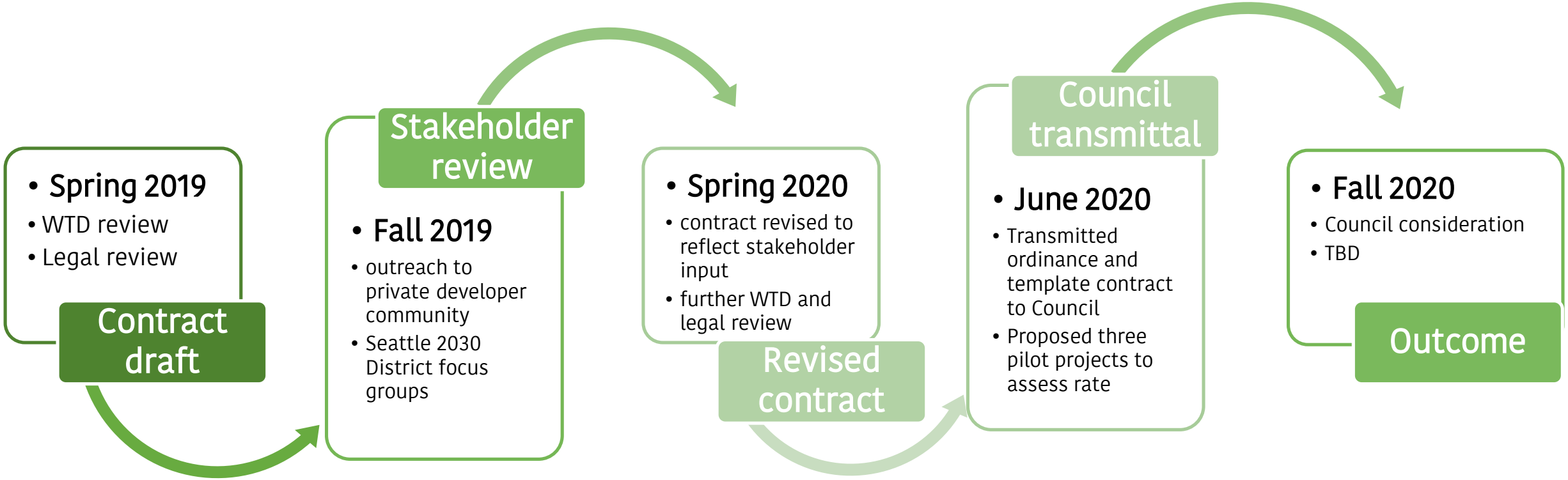
GOALS

- Help community lower carbon emissions
- Template contract to provide users with transparency and speed
- Reasonable compensation to ratepayers

COMMITMENTS

- Wastewater conveyance and treatment is primary mission
- User bears all cost and risk
- Limited number of pilot projects to assess appropriate fee

WTD'S PROCESS



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Next Steps

- Council consideration
- Implementation of Council action

Sewer cover designed by Seattle artist Betsy Best-Spadaro

Questions?

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