



1120 John St Thermal Energy System

Council Sustainability and Transportation Committee

SDOT vision, mission, and values

Vision: Seattle is a thriving, equitable community powered by dependable transportation.

Mission: Our mission is to deliver a transportation system that provides safe and affordable access to places and opportunities.

Committed to 6 **core values:**

- Equity
- Safety
- Mobility
- Sustainability
- Livability
- Excellence

Presentation overview

- Onni Contracting (Washington) Inc. is seeking a new permit for a thermal energy system under John St, east of Boren Ave and west of Fairview Ave N
- This thermal energy system will utilize heat recovery by sharing heating and cooling between sites
 - The residential site at 1120 Denney St thermal energy peaks in the early morning and evening
 - The commercial site at 1120 John St thermal energy peaks in the late morning and afternoon
- SDOT recommends approval of the term permit

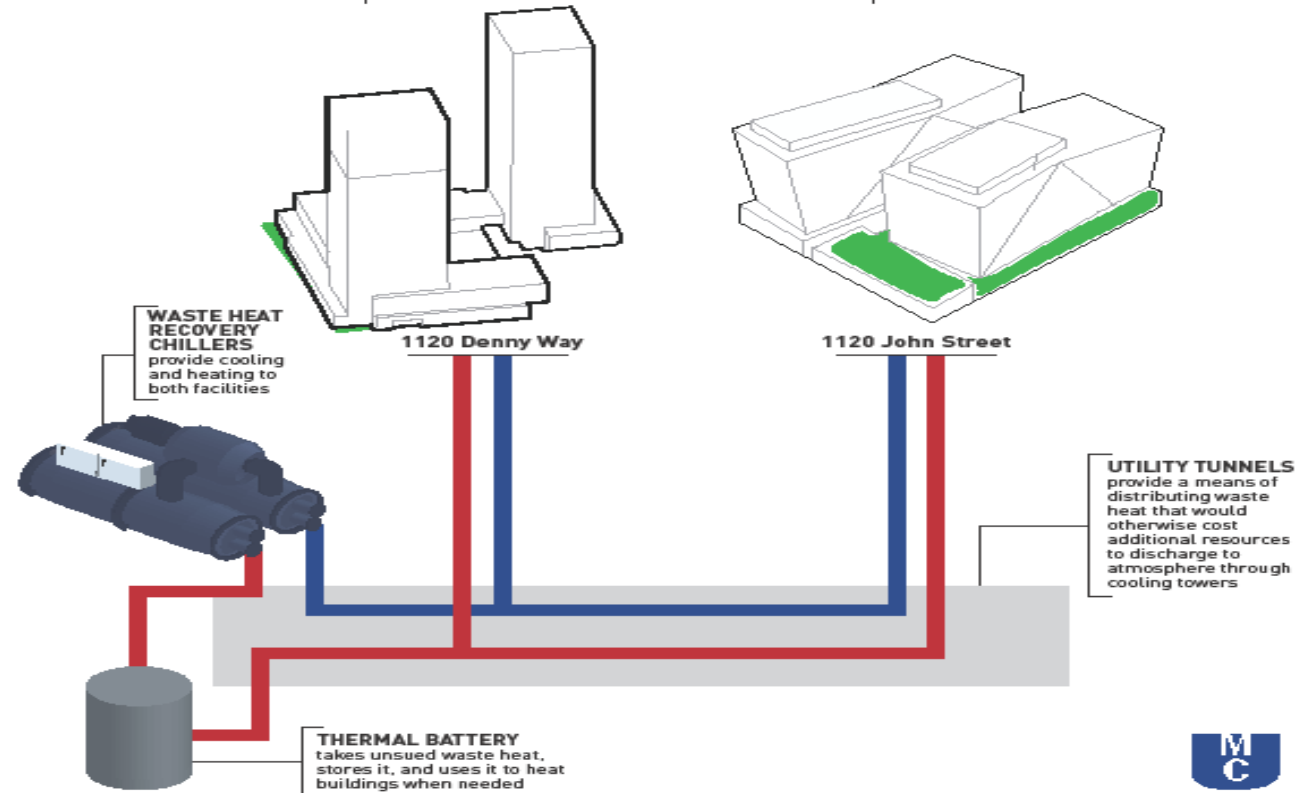
Proposal -

WHY USE A THERMAL UTILITY TUNNEL?

The proposed Thermal Utility Tunnel will provide the ability to share heat between two city blocks that would otherwise be wasted energy.

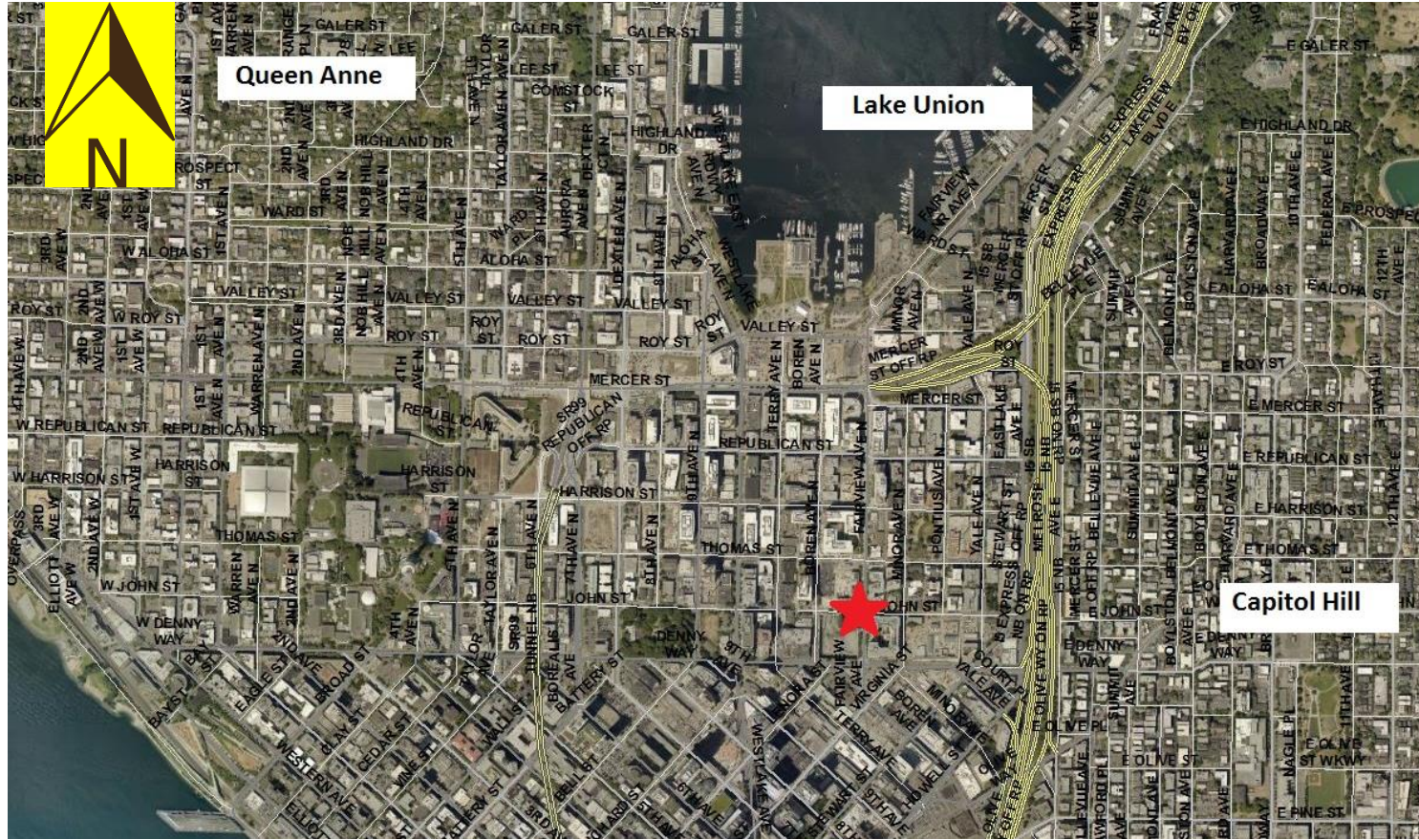
BENEFITS

- Captures "waste heat" to distribute for heating of two city blocks.
- Reduces energy usage
- Reduces carbon emissions
- Displaces fossil fuels
- Increases system efficiency
- Reduces amount of mechanical equipment and space required at both sites...thus conserving vital resources



Project neighborhood - South Lake Union

1120 John St



Term permit process

- Step 1: Resolution

Adoption of the resolution provides conceptual approval for the private use in the right-of-way, subject to the terms and conditions to be established in the term permit ordinance.

- Step 2: Ordinance

Passage of the ordinance details the terms and conditions of the permit, including annual fee, maintenance obligations, indemnification, insurance, and bond requirements.

Requested Action

- SDOT is seeking Council adoption of this resolution for conceptual approval for the thermal exchange system for Onni Contracting (Washington) Inc.
- If the resolution is adopted, SDOT will prepare the term permit ordinance
- If the ordinance is approved, this permit will be in place until 2030

Questions?

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