



City of Seattle
Seattle Public Utilities

December 20, 2012

Councilmember Richard Conlin, Chair
Seattle City Council
Planning, Land Use and Sustainability Committee
600 Fourth Avenue
Seattle, WA 98104

RE: Pump Station 39 Backup Generator Project

Dear Councilmember Conlin:

I'm writing to answer Councilmember questions regarding Seattle Public Utilities' (SPU) proposed Pump Station 39 Backup Generator Project at the December 12 public hearing of the Planning, Land Use and Sustainability Committee. The responses are as follows:

Why is Pump Station 39 the preferred station for a backup generator instead of Pump Station 76?

SPU assessed its 68 wastewater pump stations to determine which ones require permanent generators per the U.S. Environmental Protection Agency's 2009 Compliance Order. The compliance order is required to ensure uninterrupted operation of the pump stations to prevent sewage overflows or backups in the event of a power outage. The criteria SPU used to determine which pump stations need generators included peak daily sewage flow, frequency of power outages and overflows due to a power outage. Pump Station (PS) 39 met all of the criteria and therefore SPU is required to install a permanent generator there. PS 76 is about one mile south of PS 39. The two stations are not connected to the same pipe conveyance system and have separate outfalls. Installing a generator at one does not affect the potential for a power outage or sewage overflow at the other.

How is SPU addressing concerns about noise and odor?

SPU will do the following to reduce noise and odor:

- (i) Install a state-of-the-art muffler to reduce the noise from the generator; and
- (ii) Run the generator less frequently than normal (30 minutes monthly instead of weekly)

What are alternative ways to achieve project objectives and what are the costs of each?

SPU evaluated five locations for the PS 39 generator, including installing it underground. Two sites were eliminated due to the very close proximity to adjacent houses and environmental site challenges to overcome. Estimated costs for the preferred location (Alternative 1, Above Ground) are based on a more advanced level of design development than the other sites. The

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cost estimates for the other two alternative sites are based on historical costs and SPU's Cost Estimating Guidelines.

Description	Alternative 1, Above Ground	Alternative 1, Underground	Alternative 2
Construction Costs w/WSS Tax	\$153,181	\$559,264	\$155,358
Project Management Costs and Reserves	\$196,596	\$687,853	\$353,031
Total Project Cost	\$349,777	\$1,247,117	\$508,389

I hope this information is useful. If you have any additional questions, please do not hesitate to contact me at 684-5297.

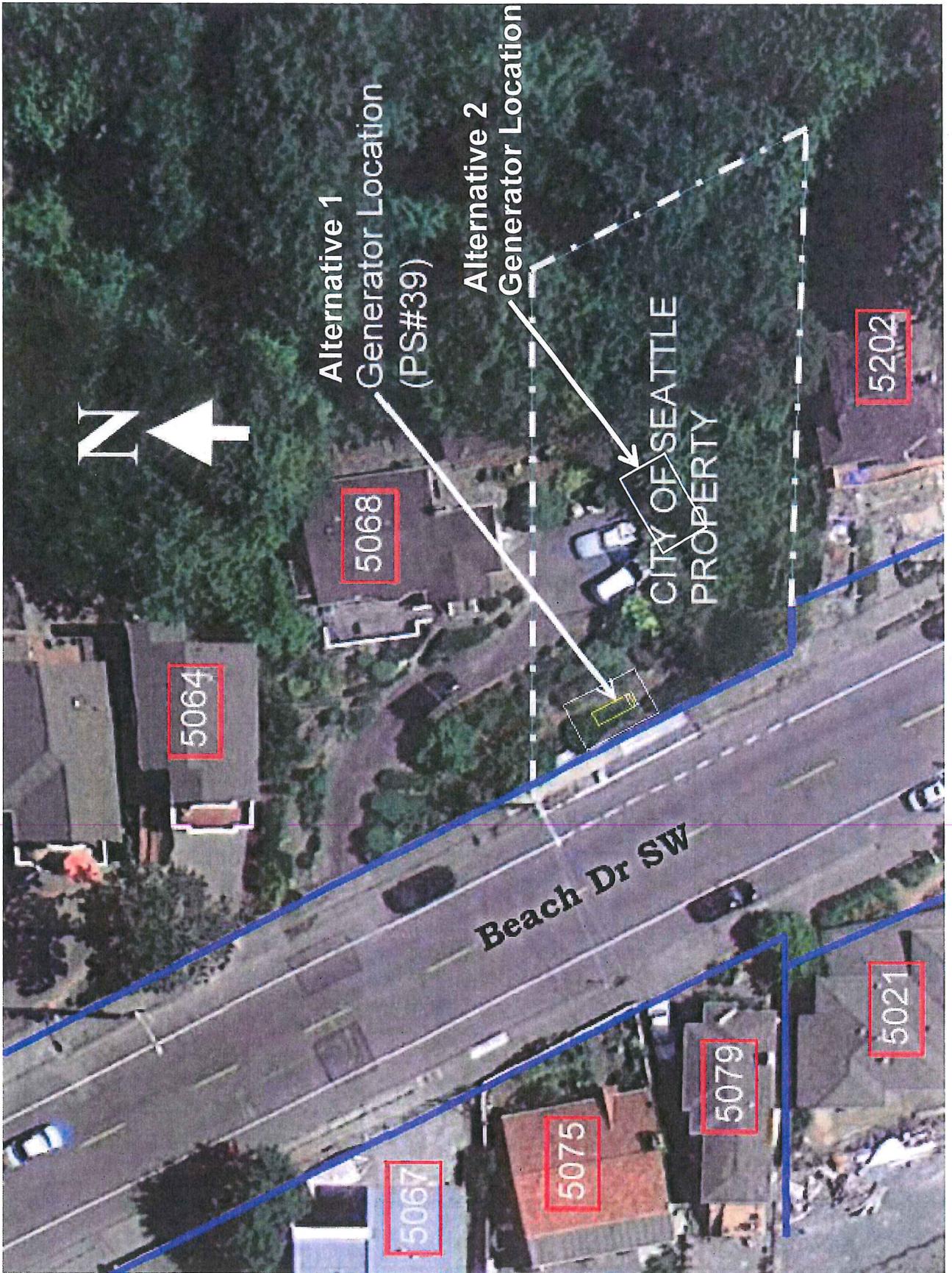
Sincerely,



Linda De Boldt, Deputy Director
Project Delivery Branch

Copy: Councilmember Tim Burgess
Councilmember Mike O'Brien
Councilmember Jean Godden
Jeff Weber, Land Use Section, Seattle City Attorney's Office

Att: Map of Alternative Sites



Alternative 1
Generator Location
(PS#39)

Alternative 2
Generator Location

CITY OF SEATTLE
PROPERTY

5064

5068

5067

5075

5079

5021

5202

Beach Dr SW

