

Memorandum of Understanding with King County for MSW-to-fuel Study

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Requested Actions

- (1) Authorization to enter into a Memorandum of Understanding (MOU) with King County
- (2) Authorization to advertise, award, and execute a contract on behalf of the MOU parties to conduct the MSW-to-fuel feasibility study.

Funding authorized as part of the Port Commission's 2021 Budget Amendment No. 2, and included in 2022 Budget.

Background

- Sustainable Aviation Fuel goal = 10% by 2028
- Municipal Solid Waste is abundant in the Pacific Northwest and may be a cost-effective feedstock for sustainable fuels
- King County owns and operates Cedar Hills landfill and shares sustainability interests with the Port
- Both entities allocated up to \$250,000 each in their budgets for a comprehensive techno-economic analysis of converting regional waste to liquid fuels

Purpose of the MOU

- Declare mutual goals and interests
- Clarify roles and responsibilities
- Set terms for shared costs and procurement
- Set terms for scope development and review



Study Scope of Work

- Exact details to be released upon advertisement
- Generally:
 - Examine conversion technologies, specific waste stream and pre-treatment needs, quality and quantity available
 - Capex and opex of a production facility including siting and transportation costs of the finished fuel to SEA
 - Changes required to waste management plans, policies, or regulations within county, regional, and state government
 - Options for facility ownership/operation, impact on KC operations and finances

Schedule

Commission authorization	Q4 2021
Advertise	Q1 2022
Contract execution	Q2 2022
Substantial completion	Q4 2022
Final report	Q1 2023