

IMPACT STATEMENT

Legislation title: Approve an Intergovernmental Agreement between the Bureau of Environmental Services (BES) and the Port of Portland for use of each agencies compressed natural gas (CNG) fueling facility in the event that such party's facility is inoperable. In the amount not to exceed \$1,000 per calendar year. (Ordinance)

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Purpose of proposed legislation and background information:

- The Pump Station Operations and Maintenance (PUMA) program, one program in the Pumping & Treatment Division in BES, consists of 11 millwrights that are responsible for the operation and mechanical maintenance of 100 sewage pump stations. The program operates and maintains the pump stations to protect the City's infrastructure, ensuring that operational levels of service needs are met while also providing a safe and productive workplace.
- BES responds to immediate maintenance and repair needs through the Corrective Maintenance and the Emergency Maintenance programs. This requires the use of CNG fueled utility vehicles to accomplish this work. Neglecting immediate action can directly impact the system performance and could result in a sewage release if the issue goes unattended. Emergency activities receive the highest priority of all maintenance activities during normal business hours. When emergency maintenance occurs after hours or on weekends, on-call pump station staff respond typically within 2 hours of notification from the Columbia Boulevard Wastewater Treatment Plant (CBWTP) on-call coordinator.
- In 2018, BES added 6 dedicated CNG vehicles to its PUMA program. BES previously installed a CNG fuel station at the Columbia Blvd Wastewater Treatment Plant to support their fueling needs as well as other vehicles purchased with CNG fuel systems.
- Compressed natural gas (CNG) is the cleanest burning transportation fuel on the market today. CNG burns cleaner than petroleum-based products because of its lower carbon content. CNG produces the fewest emissions of all other fuels and contains significantly less pollutants than gasoline. Incorporating CNG vehicles into our program support City sustainability, carbon footprint reduction and clean energy goals and objectives.
- The CNG fuel island at CBWTP has been very reliable since it started operating in 2018. It has operated with very low-down time. When it does go out of service it is typically restored to service within 2 hours via a contract maintenance vendor. In the event that it should become unexpectedly inoperable or need to go down for planned maintenance for more than these 2 hours, we need to ensure a continued fuel supply for these vehicles, so we can respond quickly to perform repairs and corrective maintenance.
- The Port of Portland also have a similar scenario, where their dedicated CNG vehicles fuel from a CNG fuel station located at site to allow them to service airport customers. BES and the Port of Portland identified each other's CNG fueling station as an ideal emergency backup fueling source.
- This legislation seeks to establish an Intergovernmental Agreement with the Port of Portland and the City for use of each agencies CNG facility for CNG vehicle fueling needs in the event that such party's CNG facilities are inoperable.

Financial and budgetary impacts:

The anticipated low annual cost for this project would be funding by the Sewer System Operating Fund.

