

IMPACT STATEMENT

Legislation title:

*Accept a grant in the amount of \$25,000 from Drive Oregon Foundation to support Low Cost Air Quality Sensor work, an air quality sensor project in the Powell-Division corridor.
(Ordinance)

Contact name: Kevin Martin
Contact phone: 503-823-7710
Presenter name: Kevin Martin

Purpose of proposed legislation and background information:

The ordinance would authorize the City to accept a grant in the amount of \$25,000 from Drive Oregon Foundation for support of an air quality sensor project in the Powell-Division corridor to evaluate how low-cost sensors can be used to better understand and monitor urban air pollution from transportation.

The funds come from an 11th Hour Project award to Drive Oregon for a proposal titled Portland “Smart City” Project. BPS helped Drive Oregon in the proposal development. The larger project also supports a smart city strategic implementation plan, community mobility needs assessment, demonstration e-bike program, and move forward a low-cost air quality sensor project to improve urban air quality assessment in the Powell-Division corridor.

The funds accepted for the air quality sensor work will further support efforts already on-going related to Ordinance 187957 adopted August 31, 2016 authorized the Bureau of Planning and Sustainability to accept and appropriate a grant in the amount of \$100,000 from the National Institute of Standards and Technology’s Replicable Smart City Technologies Cooperative Agreement Program for a framework for low-cost urban air quality measurements.

Financial and budgetary impacts:

The grant will bring \$25,000 in new resources to the City. The grant requires no match.

Community impacts and community involvement:

The City’s grant project will improve our understanding of how traffic and meteorological conditions affect air quality and test technologies for monitoring and reporting that information in real-time. Because this technology is still emerging, the direct impacts to the community are limited in the near term, but successful demonstration of the technology could eventually lead to better community information about air quality along major transportation corridors.

BPS and PBOT have worked closely with Portland State University and several businesses in an early test of this approach, and we expect to continue to partner to build community partnerships as we get closer to identifying technologies that are effective and affordable. The additional funds can help contribute to the development of strategies for communicating results founds and how to select final sensor locations.

- **Budgetary Impact Worksheet**

Does this action change appropriations?

☐ **YES:** Please complete the information below.

☒ **NO:** Skip this section

Fund	Fund Center	Commitment Item	Functional Area	Funded Program	Grant	Sponsored Program	Amount