

SUMMARY and FISCAL NOTE*

Department:	Contact Person/Phone:	Executive Contact/Phone:
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** Note that the Summary and Fiscal Note describes the version of the bill or resolution as introduced; final legislation including amendments may not be fully described.*

1. BILL SUMMARY

Legislation Title:

AN ORDINANCE relating to Seattle Public Utilities; authorizing the Director of Seattle Public Utilities to enter into an Interlocal Agreement with Kitsap County to acquire Light Detection and Ranging data.

Summary and background of the Legislation:

This ordinance would authorize an Interlocal Agreement with Kitsap County to allow SPU to acquire lidar data for use in SPU utility service areas and other City department purposes.

Background:

Lidar is an acronym for ‘Light Distance and Ranging’. It is a remote sensing technology that results in very detailed models of the ground surface, surface elevations, and vegetation.

The Puget Sound Lidar Consortium (PSLC) is an informal group of local agency staff and Federal research scientists devoted to developing public-domain high-resolution lidar topography and derivative products for the Puget Sound region. The consortium is a set of inter-agency purchase agreements that allow purchase of lidar surveying via a contract negotiated by Kitsap County.

Some common uses for lidar imagery are:

- Landslide risk modeling
- Geomorphology, including change detection
- Terrain modeling
- Flood modeling
- Building mapping
- 3D modeling for urban planning
- Canopy and biomass measurement
- Infrastructure mapping, especially transportation

These data will be acquired as part of a project with King County and other cities in the region, resulting in economies of scale and cost sharing which reduce the cost to less than half of what the City would pay to acquire it independently.

Kitsap County, as the administrator of the Puget Sound Lidar Consortium, will enforce contract obligations on the vendor and provide quality control and assurance on the deliverables.

2. CAPITAL IMPROVEMENT PROGRAM

This legislation creates, funds, or amends a CIP Project.

3. SUMMARY OF FINANCIAL IMPLICATIONS

This legislation does not have direct financial implications.

The estimated \$63,700 cost of these data is included in SPU's 2015 budget and spending plan for the City GIS Program.

4. OTHER IMPLICATIONS

- a) **Does the legislation have indirect or long-term financial impacts to the City of Seattle that are not reflected in the above?**
None other than the benefits associated with the uses of the data described above.
- b) **Is there financial cost or other impacts of not implementing the legislation?**
None other than the loss of the benefits described above.
- c) **Does this legislation affect any departments besides the originating department?**
All City departments will have use of the data, so the benefits will accrue to all of them.
- d) **Is a public hearing required for this legislation?**
No.
- e) **Is publication of notice with *The Daily Journal of Commerce* and/or *The Seattle Times* required for this legislation?**
No.
- f) **Does this legislation affect a piece of property?**
No.
- g) **Please describe any perceived implication for the principles of the Race and Social Justice Initiative. Does this legislation impact vulnerable or historically disadvantaged communities?**
Departments may be able to use the data to support analyses related to RSJ goals such as environmental justice.
- h) **If this legislation includes a new initiative or a major programmatic expansion: What are the long-term and measurable goals of the program? Please describe how this legislation would help achieve the program's desired goals.**
N/A
- i) **Other Issues:**

List attachments/exhibits below: