

IMPACT STATEMENT

Legislation title: *Authorize the Bureau of Environmental Services to enter into an Intergovernmental Agreement with Beaverton School District to permit the Bureau of Environmental Services to install a rain gauge and communication equipment on the roof of Bonny Slope Elementary School. (Ordinance)

Contact name: Jennifer Martinez

Contact phone: 503-823-7714

Presenter name: Jennifer Martinez

Purpose of proposed legislation and background information:

Authorize the Director of the Bureau of Environmental Services to execute an Intergovernmental Agreement for the purpose described in Section 1, in a form substantially in accordance with Attachment A, for the term of the IGA Amendment.

Authorize the Director of the Bureau of Environmental Services to execute subsequent amendments to the Intergovernmental Agreement, as needed for all amendments authorized by this Ordinance.

Financial and budgetary impacts:

- The legislations will not generate or reduce current or future revenue.
- The project will require ongoing operation and maintenance costs. These costs are similar to the current operation and maintenance costs associated with the Terra Nova High School rainfall monitoring station.

Community impacts and community involvement:

Rainfall data is available on the USGS' website for the public and students to view.
<https://or.water.usgs.gov/non-usgs/bes/>

100% Renewable Goal:

Budgetary Impact Worksheet

Does this action change appropriations?

YES: Please complete the information below.

NO: Skip this section

Budgetary Impact Worksheet

189360

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



CITY OF PORTLAND ENVIRONMENTAL SERVICES



Water Pollution Control Laboratory

6543 N Burlington Avenue, Bldg 217, Portland, Oregon 97203 ■ Nick Fish, Commissioner ■ Michael Jordan, Director

Bonny Slope Rain Gauge Installation

Project Description

The City of Portland, Bureau of Environmental Services (BES) operates and maintains a citywide network of rain gauges placed in key locations in Portland and outlying areas to monitor rainfall. The collected data is used to evaluate the impact of rainfall on the bureau's wastewater and stormwater collection systems. Rainfall data is collected and stored at the collection site, and is then transferred to data servers using radio communications. The USGS web hosts BES rainfall data at:

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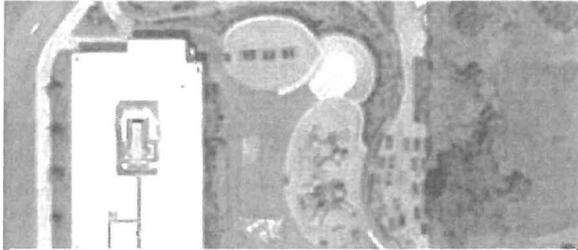
BES has an existing rain gauge and communication equipment at Terra Nova High School. Over the last several years the communication from Terra Nova has become very spotty, creating the potential of losing critical rainfall information. BES will be removing the rain gauge and communication equipment at Terra Nova and requests permission from Beaverton School District to install rainfall monitoring equipment on the rooftop of Bonny Slope Elementary School. BES verified acceptable radio communication signal path for our network at Bonny Slope, and we requested and were granted permission by Bonny Slope administration to install our equipment on their roof. BES has received multiple phone calls and emails from other government agencies and other rain data users on the status of the rain data in this area, which encourages us to expedite the relocation of this important monitoring site.

TO DO:

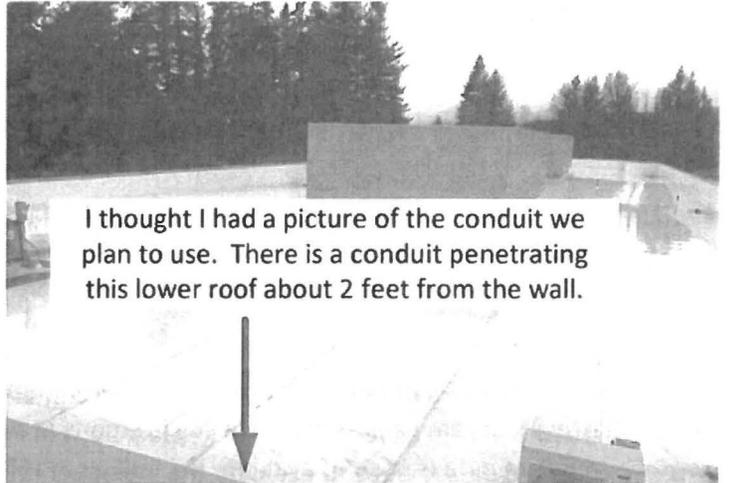
- BES will install a platform, communication, and monitoring equipment on the roof.
- BES will hire and pay for an electrician to run power (15 A, 120 VAC) to the monitoring equipment.

Please contact Dallas Fowler at 503-823-7188 or at dallas.fowler@portlandoregon.gov for further clarifications or questions.

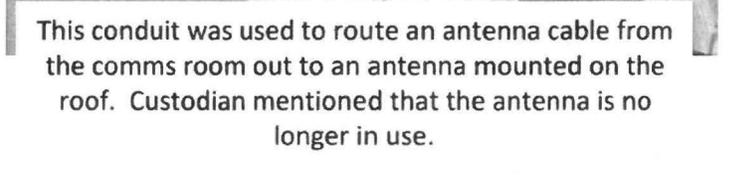
Bonny Slope Elementary



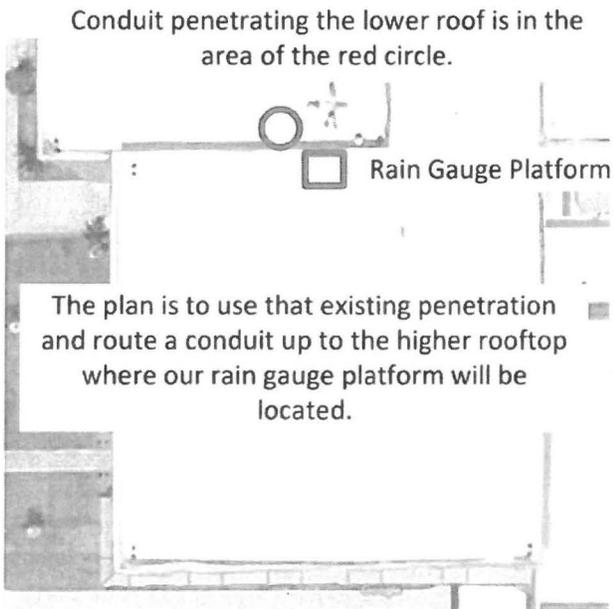
Place rain gauge platform at the location of red box.



I thought I had a picture of the conduit we plan to use. There is a conduit penetrating this lower roof about 2 feet from the wall.



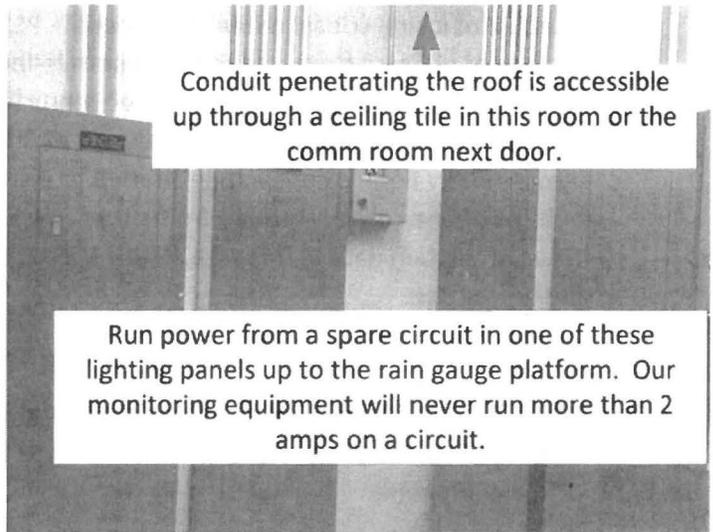
This conduit was used to route an antenna cable from the comms room out to an antenna mounted on the roof. Custodian mentioned that the antenna is no longer in use.



Conduit penetrating the lower roof is in the area of the red circle.

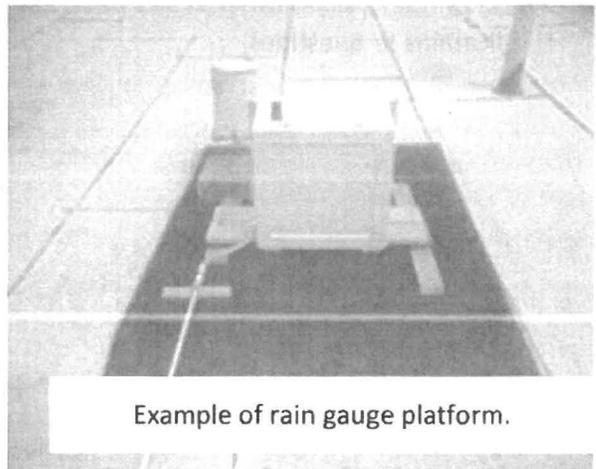
Rain Gauge Platform

The plan is to use that existing penetration and route a conduit up to the higher rooftop where our rain gauge platform will be located.



Conduit penetrating the roof is accessible up through a ceiling tile in this room or the comm room next door.

Run power from a spare circuit in one of these lighting panels up to the rain gauge platform. Our monitoring equipment will never run more than 2 amps on a circuit.



Example of rain gauge platform.



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