What does Portland mean by “smart cities”? 
1. Innovative uses of data and technology to improve process, provide better services and increase access
2. Better management, analysis and use of data
3. Leverage city infrastructure as a community resource to do all of this
Prioritize.
Clearly define a problem.
Start small.
Stay focused.
Embrace the learning.
Technology is a means to an end.
(and it’s not the only means)
Smart City PDX

Citywide initiative to make Portland a place where data and technology improves people’s lives

Prioritizing projects that reduce inequities for people who have been left behind in our city

SCPDX Priorities Framework adopted by Portland City Council June 21, 2018
https://www.smartcitypdx.com/guiding-principles
Mobility as a data problem.
Traffic Safety Sensor Pilot
(AT&T/GE/Intel)
Capturing data on the move

Traffic Planning
- Speed
- Direction
- Count
- Location

Parking Planning
- Vehicle in
- Vehicle out
- Location

Pedestrian Planning
- Speed
- Direction
- Count
- Location

Environmental Planning
- Humidity
- Pressure
- Temperature
- Vibration
- Location

Traffic Optimization

Pedestrian Safety

Parking Utilization
PUDL pilot use cases

- Improved transit arrival prediction
- Portland’s dockless scooter pilot (MDS)
- Traffic Safety Sensor data
PUDL Proposed Streaming Data Architecture
SCPDX Privacy and Information Principles

- Transparency and accountability
- Equitable data management
- Full lifecycle stewardship
- Ethical and non-discriminatory use of data
- Data openness
- Automated decision systems
- Data utility
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GO BLAZERS!!!