



USING DATA AND TECHNOLOGY TO IMPROVE PEOPLE'S LIVES



Every day, new technologies are emerging that offer amazing potential to transform our cities. But cities aren't built for gadgets and sensors, they're built for people. Smart City PDX, a new City of Portland program led by the Bureau of Planning and Sustainability, will guide the City's use of new technology and partnerships to reduce inequities and disparities for people who have been left behind, specifically people of color and people with disabilities.

In June 2018, the Portland City Council votes on the Smart City PDX Priorities Framework, a structured process for evaluating new technologies, uses of information, and related partnerships to ensure they provide tangible benefits to the people of Portland. Before a Smart City PDX project moves forward, representatives from across city government will gather and ask:

1. **Are we engaging under-served and under-represented communities?**
2. **Are we addressing inequities and disparities?**
3. **Are we creating opportunity for those who face disability, displacement and discrimination?**
4. **Are we protecting privacy and keeping data safe?**
5. **Are we tracking progress in a way that measures community benefits?**
6. **Are we considering who benefits? Who might be harmed? Who is left out?**
7. **Are we creating a city that's more safe, vibrant, and welcoming for all?**

TAKING ON OUR CITY'S GREATEST CHALLENGES, TOGETHER

Rather than starting with a technology and then looking for reasons to use it, Smart City PDX is structured to first identify inequities and disparities in our city and then strategically apply data and technology to address those challenges. When we listen to Portlanders and design solutions that work for the most marginalized communities, everyone sees the benefits.

SMART CITY PDX FOCUS AREAS



Economic Prosperity



Public Safety



Human Health



Environmental Health



Transportation & Mobility



Housing



Education



Resilience

“We must assess new technologies and partnerships alongside our values to ensure they are working for the people of Portland. If we don't, we risk technology happening to us, rather than working for us.”

- Portland Mayor Ted Wheeler

PROJECT SPOTLIGHT: USING DATA TO MAKE STREETS SAFER



Accurate information about how a street is being used is critical to creating safer streets. Launching in June 2018, the Traffic Sensor Safety Project will use data collected from 200 sensors installed on light poles along three of Portland's most dangerous streets. The resulting data will inform decisions about safety improvements such as where to install a new crosswalk or a protected bike lane. The sensors can collect information about pedestrian counts, traffic volumes and vehicle speeds, and are located on 122nd Avenue between Burnside and Duke; SE Division Street between 11th and 122nd; and Hawthorne between 11th and 46th.

WHAT'S NEXT?

In Summer 2018, Smart City PDX will develop policies to guide data privacy, ownership, and access, including requirements for agreements with data partners and technology companies for the City of Portland.

Using the Priorities Framework, Smart Cities PDX will work with community members to evaluate new and existing Smart City PDX projects. Together we will develop an engagement process to identify community needs for future projects, and help the City and our partners evaluate opportunities and prioritize investment of time and resources.

CURRENT PDX SMART CITY PROJECTS

- Regional Smart Cities Action Plan
- Air Quality Sensor Testing & Deployment
- Infrastructure Monitoring Pilot
- Open Data Program
- Portland Urban Data Lake
- PREPHub Proof of Concept
- Smart Autonomous Vehicles Initiative
- Traffic Sensor Safety Project
- Vertical Infrastructure Strategic Framework

WHO ARE WE COLLABORATING WITH?

When it comes to navigating the greatest challenges facing our city, there's plenty to learn from experts here in Oregon and across the globe. Smart City PDX is committed to sharing knowledge and best practices as we grow our network of local and international partners.

PROJECT PARTNERS

- Portland Bureau of Transportation (PBOT)
- Bureau of Planning and Sustainability (BPS)
- Portland General Electric (PGE)
- Current powered by General Electric (GE)
- AT&T
- Intel

REGIONAL PARTNERS

- Portland State University
- TriMet
- Metro
- Multnomah County
- Oregon Department of Transportation
- Portland General Electric
- Forth
- Technology Association of Oregon
- Hack Oregon
- Global partners
- MetroLab Network
- National Institute of Standards and Technology Global Cities Team Challenge
- Smart Cities Lab
- Transportation for America
- What Works Cities



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