

ONCE MORE.

INTO THE FUTURE

DEAR FRIENDS



Pittsburgh's p4 framework
prioritizes what we value
most — people, planet, place,
and performance.

What is the goal?

- Use technology to **quantifiably improve** public services that respond to **stakeholder needs**.
- Create a **data utility** that public, private, and NGO users can build on top of.
- Use a **policy toolkit** to engage with technology companies whose business models **rely on access** to the public trust.

The Levers of Local Government

Land Use

Right of Way
Access

Use of
Public
Assets

Market
Participation

Taxation
Structure

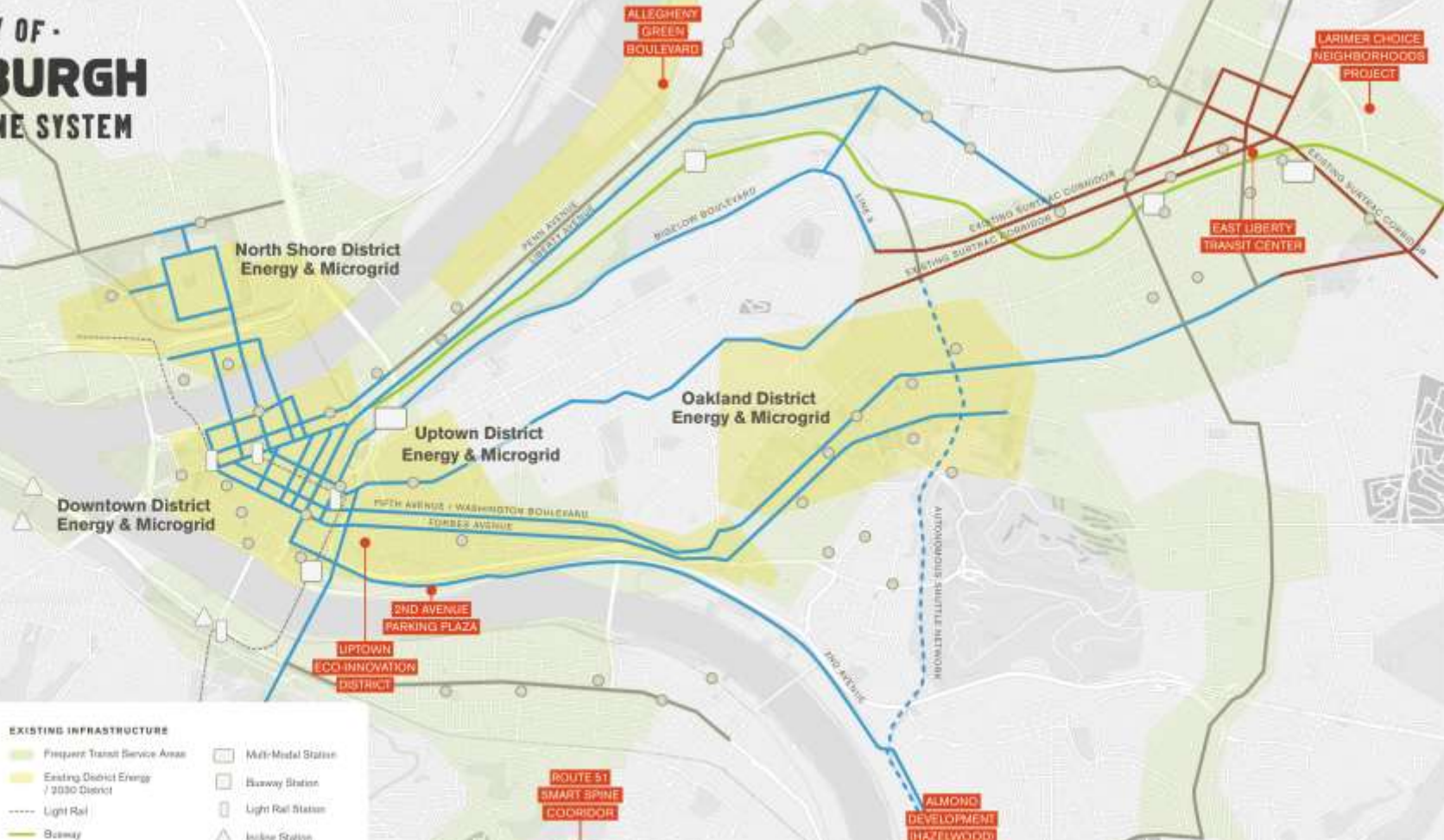
City Code

Existing Surtrac Deployment & Results

Reduced travel time, idle time, and air emissions.



- CITY OF -
PITTSBURGH
 SMART SPINE SYSTEM



PROPOSED INFRASTRUCTURE

- Proposed Smart Spines
- - - Future Smart Spines
- Existing Smart Spines

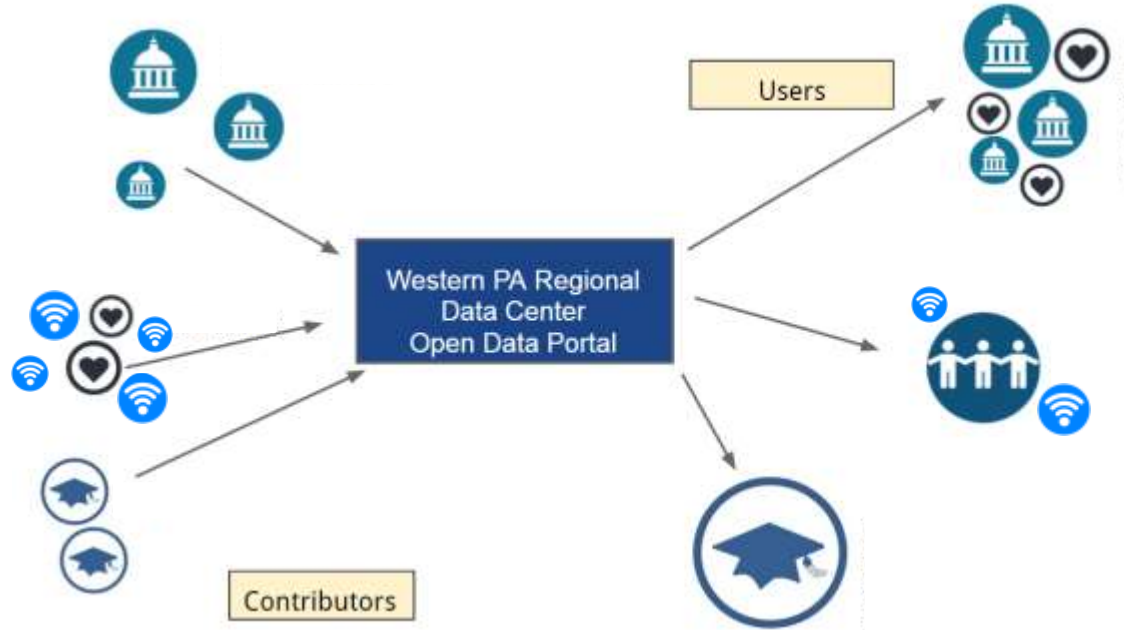
EXISTING INFRASTRUCTURE

- Frequent Transit Service Areas
- Existing District Energy / 2030 District
- - - Light Rail
- Busway
- Bike Share Station

- Multi-Modal Station
- Busway Station
- Light Rail Station
- In-line Station

The Data Utility

Collecting, Sharing, and Analyzing Data



Transportation Data Sets

City of Pittsburgh	Pittsburgh Parking Authority	Allegheny County Port Authority	Pittsburgh Downtown Partnership	Southwestern Pennsylvania Commission	Bike Pittsburgh
<ul style="list-style-type: none">• Bicycle Lane Usage Counts• Paving Schedules• Scheduled Closings	<ul style="list-style-type: none">• Parking Utilization by Zone• Garages & Lot Capacity• Garage Capacity & Real-Time Usage• Permit Parking Areas & Schedules	<ul style="list-style-type: none">• Real-Time Bus Locations• Bus Routes• Bus Stops / Schedules• Ridership Statistics	<ul style="list-style-type: none">• Commuter Survey• Events	<ul style="list-style-type: none">• Traffic Counts• Population & Employment Forecasts• Traffic Models & Outputs	<ul style="list-style-type: none">• Recommended Routes• Bike Racks• Recommended Service Areas

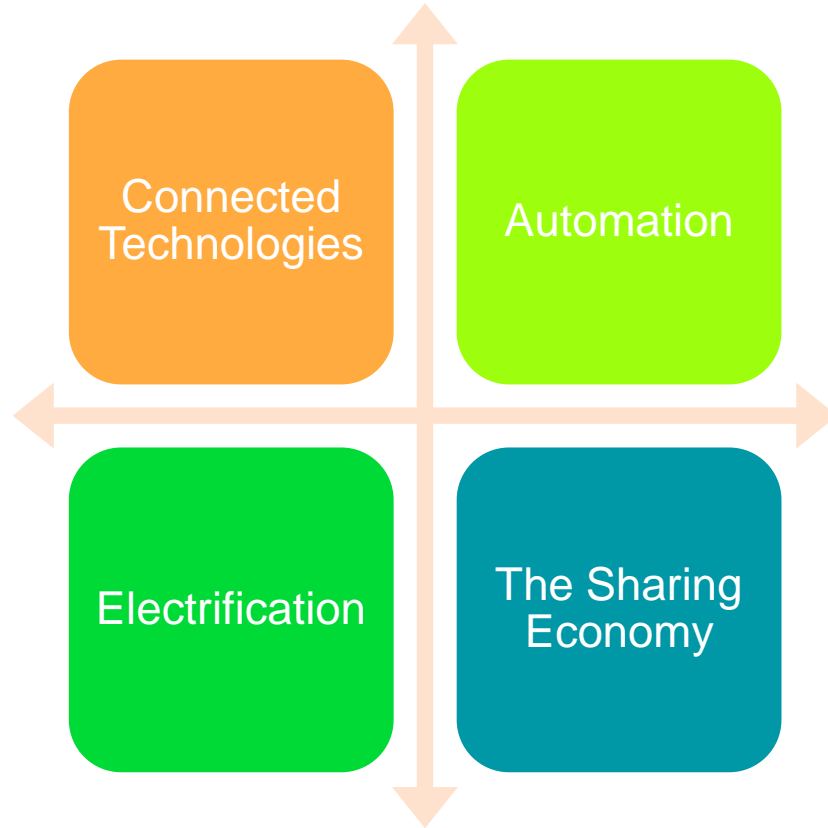


UBER

ADVANCED
TECHNOLOGIES
CENTER

UBERATC.COM/CAR

The Four Trends in Urban Transportation



Preparing for the Future

Department of Mobility and Infrastructure

Scenario Planning

Development of Resident-Scale Metrics

Sensitivity Analysis of Revenue Sources



. IF IT'S NOT.

FOR ALL

IT'S NOT



FOR US