



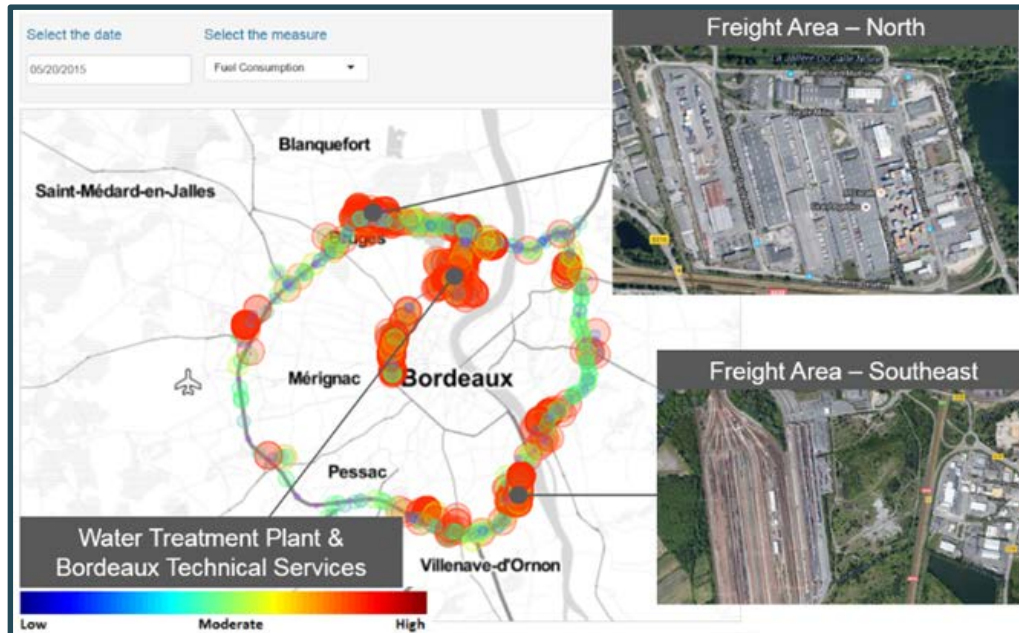
**Mobile Source Technical  
Review Subcommittee Meeting  
October 18, 2016**

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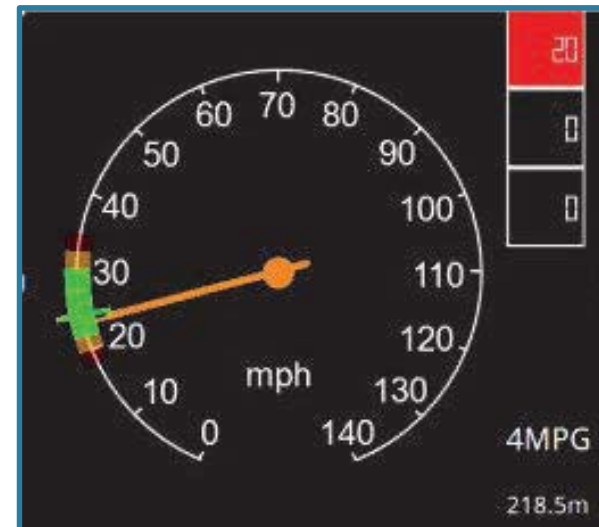
# CONNECTED VEHICLES



CVs can be used to *identify* problems...



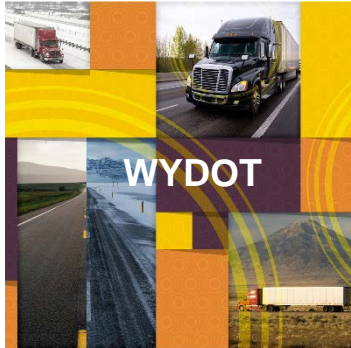
... and help solve them



# FEDERAL AUTOMATED VEHICLES POLICY



# CV PILOT DEPLOYMENTS



- Reduce the number and severity of adverse weather-related incidents in the I-80 Corridor in order to improve safety and reduce incident-related delays.
- Focused on the needs of commercial vehicle operators in the State of Wyoming.



- Improve safety and mobility of travelers in New York City through connected vehicle technologies.
- Vehicle to vehicle (V2V) technology installed in up to 8,000 vehicles in Midtown Manhattan, and vehicle to infrastructure (V2I) technology installed along high-accident rate arterials in Manhattan and Central Brooklyn.



- Alleviate congestion and improve safety during morning commuting hours.
- Deploy a variety of connected vehicle technologies on and in the vicinity of reversible express lanes and three major arterials in downtown Tampa to solve the transportation challenges.





# SMARTCOLUMBUS



VISION

ACCESS  
TO JOBS

SMART  
LOGISTICS

CONNECTED  
RESIDENTS

CONNECTED  
VISITORS

SUSTAINABLE  
TRANSPORTATION

ENABLING  
TECHNOLOGIES



Columbus Connected  
Transportation Network  
(CCTN)



Integrated Data  
Exchange



Enhanced Human  
Services



Electric Vehicle  
Infrastructure

OUTCOMES  
DEPLOYMENT



RESIDENTIAL  
DISTRICT



COMMERCIAL  
DISTRICT



DOWNTOWN  
DISTRICT



LOGISTICS  
DISTRICT



SAFETY



MOBILITY



LADDERS OF  
OPPORTUNITY



CLIMATE  
CHANGE



# ADVANCED TRANSPORTATION GRANTS



## \$56.6 million in grants to 7 communities, including:

- **Pittsburgh, PA**, will receive nearly \$11 million to execute elements of the vision it developed in its Smart City Challenge application, including deployment of smart traffic signal technology – proven to reduce congestion at street lights by up to forty percent – along major travel corridors.
- **Denver, CO**, will also receive approximately \$6 million to help to alleviate the congestion caused by a daily influx of 200,000 commuters each workday through connected vehicles.



# MOBILITY ON DEMAND SANDBOX



## \$8 million in grants to 11 communities, including:

- TriMet, which serves **Portland, OR**, will receive \$678,000 to integrate shared-use mobility options into its existing trip planning app, allowing users to plan efficient trips even without nearby transit access.
- The **Vermont** Agency of Transportation will receive \$480,000 for a statewide transit trip planner that will incorporate flexible-route, hail-a-ride, and other services in mobility apps. The online trip planner particularly benefits non-traditional rural transit users and people with disabilities, allowing universal access to transit information.
- **Dallas, TX**, the Dallas Area Rapid Transit (DART): will receive \$1.2 million to integrate ride-sharing services into its GoPass ticketing app. The project will create an integrated, multimodal application that leverages ride-sharing services, improving access to DART stations, particularly in non-walkable areas not well served by transit.





# Questions?

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