Background

- Voluntary EPA and Local Government Collaboration
- Program Goals:
  - Reduce emissions for public health protection
  - Position areas to remain in attainment
  - Direct available resources toward actions that address developing issues
- Participants must submit an annual progress report
Requirements

- Participant regions commit to program for 5-years with the option to extend
- Must develop and submit annual Path Forward report which includes:
  - Background and status of PM2.5 within the region
  - Overview of voluntary actions undertaken by stakeholders
    - Qualitatively describes these measures
    - Discusses the implementation of each measure
    - Provides quantitative results if possible
Participation Timeline

- **June 2013**: H-GAC requests to join the program
- **2014**: An initial Path Forward report was drafted and approved by RAQPAC and stakeholders
- **2015 through 2017**: Follow-on Path Forward reports drafted and approved by RAQPAC
- **2018**: Fifth Path Forward report drafted and presented to RAQPAC
Report Overview

- Overview of HGB region air quality
- Current PM2.5 status in the region
- Ongoing initiatives by H-GAC
- Ongoing initiative by regional stakeholders
- Future and upcoming initiatives by regional stakeholders
Regional PM$_{2.5}$ Network

<table>
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<th>Name</th>
<th>CAMS ID</th>
<th>Sampler Type</th>
<th>Operational Date</th>
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EPA Sites:
- Baytown: C0148, PM$_{2.5}$ (FRM), 1/6/1999
- Clinton: C0403, PM$_{2.5}$ (FRM & co-located), 1/1/1999 & 4/6/1999
- Houston Aldine: C0008, PM$_{2.5}$ (FRM), 8/14/2000
- Galveston 99th Street: C1034, PM$_{2.5}$ (FRM), 5/1/2013
- Houston Deer Park2: C0035, PM$_{2.5}$ (FRM & FEM), 8/10/2013
- Houston North Loop: C1052, PM$_{2.5}$ (FRM), 4/13/2015
### Regional PM2.5 Observations

#### Annual Average (μg/m³)

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#### Notes:
- The data represents annual average PM2.5 concentrations from 2005 to 2017 across various locations in the region.
- Annual Standard values are consistent across the years, indicating a controlled standard for PM2.5.
- Locations such as Clinton, Aldine, and Baytown exhibit year-on-year reductions, with some locations showing more significant decreases in recent years.
New or Updated 2018 Information

- Received detailed information from local stakeholders:
  - City of Houston
  - Harris County
  - METRO
  - Port Houston
  - Port Terminal Rail Association (PTRA)
  - TxDOT
New or Updated 2018 Information

- Added Houston Airport System information
- Bikes and Active Transportation
  - City of Houston Bike Plan
  - Metro Bikes on Buses
  - BCycle Expansion Program
- Added or updated initiatives throughout the region
  - Harris County Greenlink Circulation Bus Service
  - Houston Climate Action and Adaptation Plan
  - Port of Houston Electrification Efforts
Questions?