Bexar County Inspection and Maintenance (I/M) Program

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Presented to San Antonio TIM
August 16, 2021
Agenda

- Bexar County Reclassification
- Safety vs. Emissions Inspections
- Bexar County Study
Bexar County Reclassification

- I/M program implementation is required for moderate nonattainment areas and dependent upon urbanized area population.
- I/M program implementation is required as expeditiously as practicable but no later than four years after reclassification to moderate (40 Code of Federal Regulations (CFR) §51.373).
- Bexar County reclassification is expected by March 2022, with I/M program implementation by March 2026.
Safety vs. Emissions Inspections

- Safety inspection
  - All model years inspected for items such as tires, brakes, lights, and windshield wipers.

- Emissions inspection
  - Gasoline vehicles model-year 2 through 24 years old
  - On-board diagnostics (OBD) inspections only
  - Plug in to on-board computer to test emissions-related components and systems of the vehicle.
    - Adds approximately 15 minutes to safety inspection.
  - Waivers and time extensions are available from the Texas Department of Public Safety for eligible vehicle owners.
    - Individual Vehicle Waiver, Low-Income Time Extension, Low Mileage Waiver, and Parts Availability Time Extension
A recent Bexar County study by Eastern Research Group (ERG) was conducted to determine:

- If implementing an I/M program in only Bexar County would satisfy the requirements in 40 CFR §51.350(b)(2) requiring that programs shall nominally cover at least the entire urbanized area based on the 1990 census; and
- What efforts are needed to implement I/M in Bexar County, including station costs and number of stations necessary.
Bexar County Study

- San Antonio Urbanized Area – 1990 Census
Bexar County Study

- Current Bexar County population and traffic data were compared to the 1990 San Antonio Urbanized Area.

- Bexar County alone would satisfy the federal requirement because:
  - The county covers a geographic area comparable to the San Antonio Urbanized Area; and
  - The county’s population and emissions exceed that of the urbanized area.
Bexar County Study

- Two station scenarios
  - New station with full startup costs
  - Existing station with partial startup costs
- Startup costs before generating revenue
  - Analyzer purchase or rental
  - Training for inspectors
  - Building space purchase or rental
Bexar County Study

• Analyzer costs
  ▪ Purchase: $6,895 to $7,950
  ▪ Rent: $195 to $199 per month
• Two certified analyzer vendors
  ▪ OPUS Inspection, Inc.
  ▪ Worldwide Environmental Products, Inc.
• Training costs
  ▪ $503 estimated annual training costs per inspector
• Building Costs
  ▪ New stations
    ▪ $570: average monthly cost for 600 square feet building space
  ▪ Existing stations
    ▪ Building space is already assumed.
    ▪ In 2020, there were 615 safety-only inspection stations in Bexar County that could add emissions testing at no additional building cost.
Approximately 458 stations will be necessary to adequately test Bexar County vehicle fleet.

- Analyzed population and vehicle registration data and emissions testing throughput.
- Compared to existing station counts in other I/M areas from Fee Analysis project.

<table>
<thead>
<tr>
<th>Program Area</th>
<th>2019 Population</th>
<th>Number of Registered Vehicles</th>
<th>Emissions Testing Throughput</th>
<th>Number of Current Emissions Testing Stations</th>
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Contact Information

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