Dane County CNG Fleet

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Vehicles

- 85+ vehicles in fleet
  - Some dedicated
  - F150s, F250s, F350s,
    Ford Fusion, Transit Connect,
    Plow Truck
  - 10 Departments

- Conversion cost
  - $8,500 - $13,000 each
  - $60,000
Vehicle Conversion Options

- Dedicated, bi-fuel, or dual fuel
  - Available options & intended use
  - Range
  - Typical route (return to shop?)

- Direct from manufacturer or OEM conversion
  - Available models
  - Warranty / service
  - Cost
CNG Vehicle Considerations

• **Costs – Capital and O&M**
  - Higher upfront costs
  - Comparable maintenance costs

• **Range & Load** (tank size & configuration)

• **Management & Implementation** (Drivers)

• **Vehicle Performance**
  - Dyno testing
  - Driver Experience
  - Maintenance
  - Safety
Vehicle ROI

• Variables
  – Initial Conversion Cost
    • Dedicated or Dual-fuel
  – Miles driven per year
  – MPG
  – Fuel Savings
    ~$2.00/gal
CNG Fleet Considerations

- Equipment maintenance
  - Local options?
  - Tools and training

- Building Modifications
  - Code compliance

- Training
  - Technicians, drivers,
    Department heads, etc
Hurdles

• **Vehicle Procurement**
  - EPA Certifications
  - Limited options
  - Delays

• **Fueling Station**
  - Availability

• **Learning Curve**
  - Permitting, codes, regulatory agencies, maintenance, etc
Questions?

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