City of Grand Junction
Bio-Gas to Vehicle Fuel

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City of Grand Junction
April 2011 Fill Station
Between 2011 - 2015

- 1 Car
- 1 Street Sweeper
- 10 Trash Trucks
- 10 Pickups
- 6 Dump Trucks
- 4 Transit Busses
- Total 32
Plant Influent
Overview:

- 12.5 MGD design capacity
- 8.2 MGD current flow
- 120,000 cubic feet of bio-gas produced/day
- 64% Methane
- 350 – 400 Gallons of gasoline equivalent produced/day
Methane Produced/Usage

• 120,000 SCFD of Methane Produced
• ~16% Used to Heat Digester Process
• 100,000 SCFD flared
2015 CBG Process Installed

- Gas produced, scrubbed, and compressed at Persigo.
2015 Pipeline Installation

- 5.7 mile pipeline from Persigo Wastewater facility to City/County fueling facility.
April 2015 Fill Station Biogas Connection to Fuel Station
Current CNG Vehicles

• 4 Vans/Sedans
• 4 Street Sweeper
• 11 Trash Trucks
• 14 Pickups
• 9 Dump Trucks
• 20 Transit Busses
• 62 Total