Compressed Natural Gas (CNG)

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Alternative Fuel Strategy/CNG Initiative identified as a strategic priority in Consolidated Plan and Blueprint 2020

Fleet Evaluation and Assessment
- JTA contracted with Bus Engineering Consulting in Spring 2013 to recommend a fuel strategy for future bus procurements
  - Compared total life cycle costs of diesel, hybrid electric, and CNG powered buses
  - Recommended CNG conversion for 100 buses

TRIP funding (through North Florida TPO) for capital component of CNG Initiative
CNG Strategy/Overview

- **CNG Facilities and Buses**
  - Fueling station and maintenance facilities modifications
  - Phase in 20 buses per year over a five-year period beginning December 2015
  - Provide a full public access fueling station

- **Public-Private Partnership (P3)**
  - Fueling stations owned and operated by private company
  - Long term (15-year) commitment to purchase fuel from owner of facility
  - Fuel cost includes infrastructure, O&M costs
  - Discount for fuel purchased above minimum guarantee
  - Royalty revenue from public access fueling station
In FY16 and FY17 JTA procured 23 CNG buses for a total of 46
Currently have 23 CNG buses on order for delivery early FY18
Plan for FY19 and FY20 is to procure another 36 CNG buses
Originally planned 100 CNG buses in first five years
The current plan supports 105 CNG buses
Funding sources includes FTA Sections 5307, 5309, and 5339 funds for bus procurement up to 75 buses
The remaining buses will be funded using State and Federal funding or JTA reserves
<table>
<thead>
<tr>
<th>Year</th>
<th>Actual</th>
<th>Forecast</th>
<th>Total</th>
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<tbody>
<tr>
<td>FY16</td>
<td>275,550</td>
<td></td>
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<tr>
<td>FY17</td>
<td>167,358</td>
<td>450,642</td>
<td>618,000</td>
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<td>FY18</td>
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<td>932,000</td>
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<tr>
<td>FY19</td>
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<td>1,180,000</td>
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<td>FY20</td>
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<td>1,415,000</td>
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## CNG Public Station

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<thead>
<tr>
<th>Year</th>
<th>DGE</th>
<th>Revenue $</th>
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<tr>
<td>FY16</td>
<td>7,601</td>
<td>$4,940.76</td>
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<tr>
<td>FY17</td>
<td>16,168</td>
<td>$10,509.39</td>
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