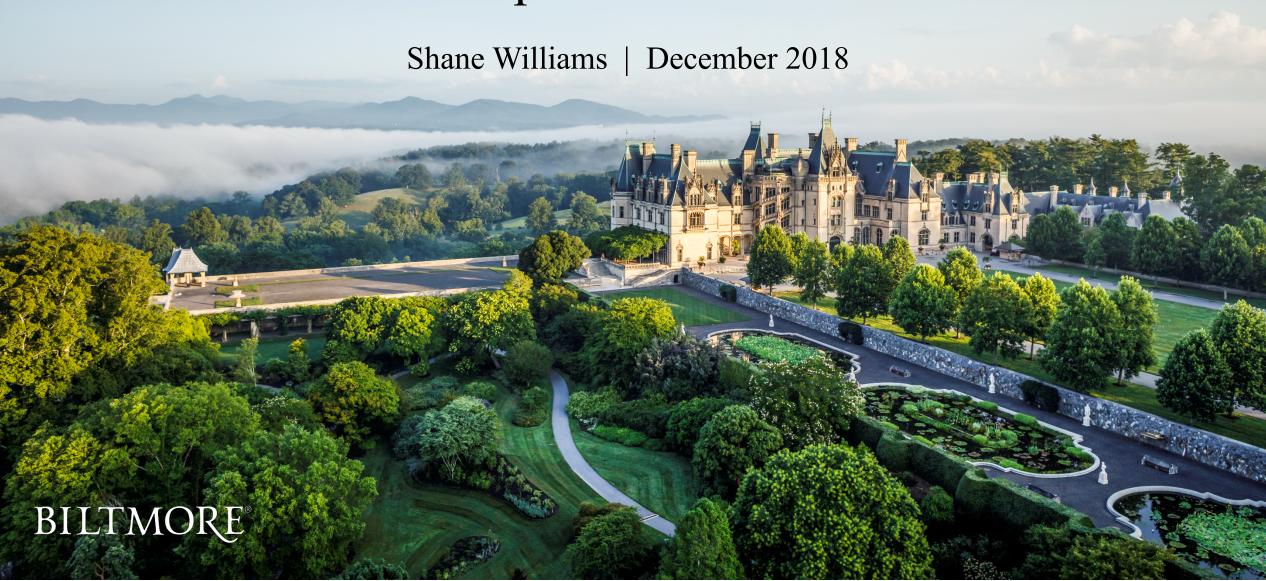
The Biltmore Company Propane AutoGas



Estate Propane AutoGas History



• 2012 Installation of Alliance Autogas propane filling station.







Staubli Nozzle

- 2015 upgrade/installation of the Staubli nozzle.
- Increased confidence and efficiency.





Vehicles



- 2012 first conversions of two new Ford E-450 20pass. ADA lodging shuttles bi-fuel.
- 2013 additional conversions of four P&T shuttles and two Company Police vehicles. Mobile Source Emission Reduction Grant (MSERG).
- 2014 conversion of two new Diamond body 25 pass shuttle buses.
- 2015 purchase of five shuttles that were converted.
- Retired propane shuttles three early 2018.



Current State



- 12 total converted vehicles ten shuttle buses and two Police vehicles.
- Clean fuel shuttle powered by propane.
- Guest interaction and questions.



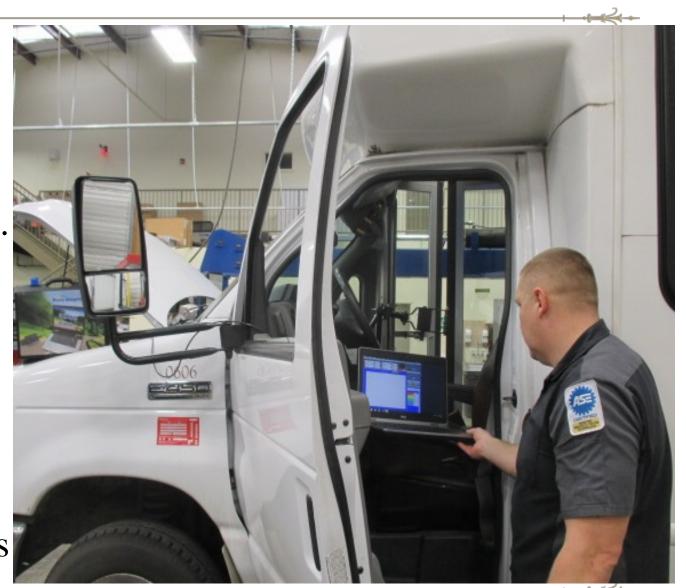






Shop Operations

- Technician training.
- Prins Diagnostic Tool and Software.
- In house repairs and maintenance.
- Online parts ordering.
- Tech Support/Information Bulletin's



Financials



• 163,380 total gallons of propane used since 2012.

• Total greenhouse gas emissions reduced 43.9 tons.

• Calendar year 2017: P&T estimated 67,500 guest transported, displacing 33,750 vehicles with an average 20mpg displacing 286,875 miles and 14,343.75 gals.

• \$166,400 total fuel cost savings since 2012.



Looking Forward



Additional area's of opportunity

- Mail services.
- Grounds Operations.
- I.T.
- Engineering.
- Possibility of converting Trolleys.

Ongoing training and education

- Fleet Staff
- Parking and Transportation





