



TRB 2016 Summer Workshop | July 26-29 / Co-Sponsored by
ADC60 Resource Conservation and Recovery
AFP40 Geo-Environmental Processes
NCDOT Geotechnical Engineering Unit

Asheville, North Carolina

Field Trip Guide

Tuesday, July 26, 2016 (Limited to 48 People)

BILTMORE®

8:30am – 11:00am **Depart Renaissance for Biltmore Sustainability Tour**

Your tour will focus on Biltmore's alternative fuel project: Canola crop, biofuel production, and propane use in Biltmore's shuttles. The route would include visiting Biltmore's propane pump, the canola fields to talk about the crop and why they grow it, and a trip to the bio-barn for a discussion around biofuel production.

~11:30am – 1:00pm **Biltmore House Tour**

The luxurious family home of George and Edith Vanderbilt is a marvel of elegance and charm, as magnificent today as it was more than a century ago. Your self-guided house visit spans three floors and the basement. You'll see displays of vintage clothing, accessories, art, furniture, and more that tell stories and illustrate the lives of the Vanderbilt family, their guests, and employees.

~1:15pm **Return to Renaissance Hotel**





Wednesday, July 27, 2016



New Belgium Brewery, Asheville

6:00pm – 9:00pm **Dinner at New Belgium Brewery Brownfield Site**

Enjoy a North Carolina barbeque dinner in the New Belgium Brewery located on the banks of the French Broad River. A presentation will highlight the redevelopment of an underutilized warehouse district into a LEED certified, state of the art brewery.





Friday, July 29, 2016 (Limited to 30 People)

BMW GROUP



Plant Spartanburg

- 8:00am – 9:30am **Depart Renaissance Hotel for Greer, South Carolina**
1.5 Hours from Hotel
- 9:30am – 11:30am **BMW Vehicle Manufacturing Sustainability Tour**
See BMW's Waste to Energy, Waste Management, Waste Water Management, Reuse and Recycle, Green Manufacturing Tour and Possible Plant Tour.
- 11:30am – 12:30pm **Bag Lunch Provided**
- 12:30pm – 2:00pm **Return to Renaissance Hotel**

PLANT SPARTANBURG ENERGY PORTFOLIO.



Landfill Methane Gas – Provides ~45% of the plant's total energy and ~25% of the plant's electricity.

Hydrogen Fuel Cell – Operates a fleet of more than 350 pieces of material handling equipment. This is the largest single-site fleet in the world.

Solar PV – Solar installation to power the plant's 24,000 square foot Zentrum Museum and Electric Vehicle Charging stations in parking areas.