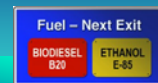


Southeast Alternative Fuels Task Force

Regional Bio-fuels Workshop Gatlinburg, TN

G. Scott Denton
Executive Director—Transportation Services
Durham Public Schools

June 6, 2005



Durham Public Schools

- Located in Research Triangle Park, NC
- 30,000 + Students; 17,000 Transported
- Bio-Diesel Used for all diesel powered vehicles
 - 300 Yellow Buses
 - 4,000,000 miles/Year
 - Maintenance Vehicles
 - 30+ Activity Buses



How it all Started

- Triangle J Council of Governments
 - Received 1 year Grant Funding
- Department of Public Instruction
 - Ask for volunteers
 - DPS was “manageable” size
 - Agreed to subsidize cost differential
- DPS Volunteered to participate
 - RTP area is high in Ozone
 - Cost is subsidized

Operational Impact

- Second full year of using Bio-Diesel
 - 80/20 Blend (World Energy)
- Change fuel filters often after conversion, especially with older engines (?Pumps)
- No problems with “gel” in colder weather
 - Fuel additive for Algae growth
- Operational concerns basically non-existent



Financial Impact

- Price differential calculation – regular diesel to bio-diesel
- \$195,000 2003/2004
 - Local budget cost = \$15,000
- \$130,000 in 2004/2005
 - Local budget cost = \$10,000



DPS Future Plans

- Future plans hinge on Financial Impact
 - Full impact of fuel tax subsidy?
 - Refining capacity & use of alternate “feed stocks”?
 - Supply & Demand?
 - As the price gap narrows, can supply keep up?
 - Continued support from DPI?

