

B20 USAGE IN A MUNICIPAL SETTING



TOWN OF BROOKHAVEN

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RECOGNIZING THE CRISIS

- Federal Energy Policy Act of 1992
- 2001 Governor George E. Pataki – Executive Order No. 111
- 2001 California Experience
- Geopolitical Implications
- Fuel Demand on Long Island
- Environmental Concerns

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ENERGY POLICY ACT 1992 (EPACT)

Defines Alternative Fuels as:

- Methanol, ethanol & other alcohols
- Natural gas, other domestic liquid fuels
 - Propane, Hydrogen
- Coal-derived liquid fuels, Electricity (hybrids)
 - Biodiesel

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B20 Demonstration Program Objectives

- Seek a cost-effective and reliable supply
- Determine how to introduce B20 into the fuel mix
- Qualitatively determine the effectiveness of the product with respect to performance and operation

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Demonstration Program Outcomes

- Objective: Seek a cost-effective and reliable fuel supply
 - Outcome: New York State Office of General Services Contract supplied by World Energy, Chelsea, Massachusetts

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Demonstration Program Outcomes

- Objective: Determine how to introduce B20 into the fuel mix
- Outcome: Avoided bias by not informing vehicle users

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Demonstration Program Outcomes

- Objective: Qualitatively determine B20 effectiveness with respect to performance and operation
- Outcome: No perceived performance reduction or winter gelling, continuing to monitor maintenance costs

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B20 Usage in the Town of Brookhaven

259,710 gallons (as of 2/23/06)

Fueling Locations: Mt. Sinai, Shirley and
Coram, NY

Plan a fourth station during the summer of 2006

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Fleet Vehicles Using B20

Town, fire districts, local water authority

Types of Vehicles: flatbeds, dump trucks, aerial lifts, sweepers, rack body trucks, skid loader, tractor, rescue vehicle, tanker, pick-up, payloaders at Town landfill

Manufacturers: GMC, CAT, Ford, Johnston, Freightliner, Dresser, New Holland, Mack, Diamond Rio, Sterling, Massey Ferguson

Age of On-road Vehicles: 1995- 2003

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B20 Pricing History

- Range: \$1.19/gallon (11/02) - \$2.66/ gallon (1/10/06)*
- Recent Price per Gallon: \$2.156 (2/06)
- Recent Standard Diesel Price: \$1.878(2/06)
- Price per Gallon Difference: \$0.28

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Pricing Offset

- New York State Energy, Research and Development Authority (NYSERDA)
- \$9,900 Grant During 2004 Awarded to the Town of Brookhaven

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THE KEYS TO PROGRAM SUCCESS

- Top-down Governmental (Town Board) Support For the Program
- Reduce Project Costs Through Federal and State Grants

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“Keep the Faith”

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