

# *B20 USAGE IN A MUNICIPAL SETTING*



# **TOWN OF BROOKHAVEN**

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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 (B2, B5, B10, B20, B100)

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B20 Program Objectives

- Seek a cost-effective and reliable fuel 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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Program Outcomes

- Objective: Seek a cost-effective and reliable fuel supply
  - Outcome: New York State Office of General Services – initially World Energy; recently Sprague Energy

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Program Outcomes

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

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Program Outcomes

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

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B20 Usage in the Town of Brookhaven

427,596 gallons – since 11/2002

Fueling Locations: Coram, Holtsville, Mt.  
Sinai, Shirley

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## Fleet Vehicles Using B20

Users: Town fleet, 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

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

Age of On-road Vehicles: 1995- 2006

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B20 State Contract Pricing History

- Price Range: \$1.19/gallon (November 2002) - \$2.71 (August 2006)
- Recent Price per Gallon: \$2.06 - January 2007
- Recent 2D Diesel Price: \$1.80 - January 2007
- Average Price per Gallon Difference: \$0.26

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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

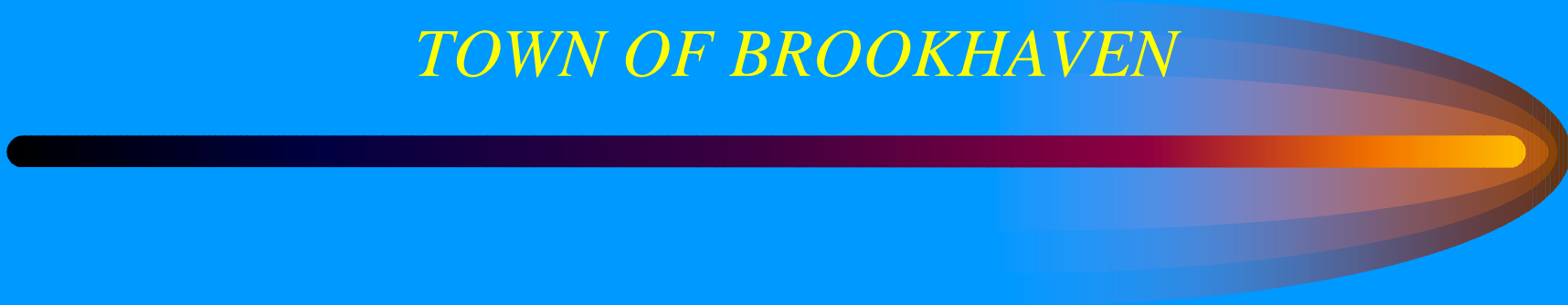
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THE KEYS TO PROGRAM SUCCESS

- Top-down Governmental Support For the Program
- Address Issues Quickly
- Reduce Project Costs Through Federal and State Grants

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“Keep the Faith”

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