



CITY OF KEENE

BIODIESEL PROJECT

WHY BIODIESEL?

- ⇒ CUTS EXHAUST EMISSIONS, ELIMINATES BLACK SMOKE AND ODOR
- ⇒ RUNS IN EXISTING, UNMODIFIED DIESEL ENGINES

WHY

- ⇒ INTEGRATES WITH EXISTING FUELING INFRASTRUCTURE
- ⇒ INCREASES LUBRICITY WITH EXISTING FUELING INFRASTRUCTURE

WHY

- ⇒ HIGHER FLASHPOINT THAN PETROLEUM DIESEL
- ⇒ BIODEGRADABLE

WHY

⇒ RENEWABLE SOURCE OF ENERGY

⇒ LOW-RISK SIMPLE TO PHASE IN AND OUT OF USE



WHY

⇒ AND

⇒ IT IS THE RIGHT THING TO DO!

IN SUMMARY-THE REASONS:

- ➔ CUTS EXHAUST EMISSIONS, ELIMINATES BLACK SMOKE AND ODOR
- ➔ RUNS IN EXISTING, UNMODIFIED DIESEL ENGINES
- ➔ INTEGRATES WITH EXISTING FUELING INFRASTRUCTURE
- ➔ INCREASES LUBRICITY WITH EXISTING FUELING INFRASTRUCTURE
- ➔ HIGHER FLASHPOINT THAN PETROLEUM DIESEL
- ➔ BIODEGRADABLE
- ➔ RENEWABLE SOURCE OF ENERGY
- ➔ LOW-RISK SIMPLE TO PHASE IN AND OUT OF USE

BIODIESEL RESEARCH

(who else uses it)

- ⇒ STATE OF MICHIGAN After a year of testing the product they use Biodiesel statewide.

RESEARCH

- ⇒ PORT AUTHORITY OF NY/NJ Uses Biodiesel at LaGuardia airport for all diesel operations.

RESEARCH

- ⇒ CLARK COUNTY WASHINGTON Large County in Southern Washington state is using the product extensively

BIODIESEL IN KEENE- What's Happening!

- ⇒ Total diesel fleet using B-20.
- ⇒ 78 vehicles and equipment.
- ⇒ No problems have been reported.
- ⇒ 4,334 gallons have been burned since July 1,2002

- ⇒ One of the few pieces of equipment burning Biodiesel



Biodiesel-stack test

- ⇒ Are we really helping the environment?
- ⇒ 1990 tractor burning biodiesel at idle produced 22% less CO from the stack than a 1992 tractor the same make burning diesel.
- ⇒ The same tractors at running speed produced 16% less CO.

Stack Test

- ⇒ A 2000 Wheel loader burning biodiesel had a slight increase in CO over a 2003 wheel loader 1.8% .(Brand new loader)
- ⇒ At running speed the 2000 loader burning Biodiesel had a 12% reduction in CO.

BIODIESEL IN KEENE

⇒ Its working and Keene has cleaner air for it.

