The ETCFC –
East TN Success Stories

Clean Cities’ Successes – A Review in DC
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Some of Our Success Stories

1. Municipalities in East TN
2. Regional Meetings
3. K-12 school presentations
4. Community champions: Fleet leader – Eastman
5. Fuel supplier relations: Public stations – Pilot Oil

Our successes are all based on building long-term relationships with regional partners, and together finding solutions to roadblocks to action.

The ETCFC’s 2007 Founding Partners:
Success Story #1: Municipalities in East TN

• We were the prime driver or helped (as of today) 17 East TN cities and towns make the switch to using a biodiesel blend.

• 6 largest cities in East TN all use biodiesel blends.

• Currently using biodiesel: Knoxville, Chattanooga, Oak Ridge, Johnson City, Maryville, Kingsport, Sevierville, Alcoa, Gatlinburg, Jonesborough, Athens, Pigeon Forge.

• Moving to using biodiesel: Crossville.

• Have tried or are trying biodiesel: Cleveland, Bristol, Cookeville, Loudon.
Success Story #2: Regional Meetings

- We host monthly meetings in Knoxville and bimonthly meetings in Chattanooga and Tri-Cities; over lunch & open to public
- These are our chief way of developing a proactive network in the community that gets connected for action
- New people come to every meeting although many are either returning partners or contacts we’ve invited
- 20-25 at Knoxville meetings, and 10-15 at the other meetings
- So far about 300 different people have attended meetings
Success Story #3:
K-12 School Presentations

- Presentations focus on relaying the basics and importance of alt fuels and fuel economy to the students
- Over 700 students reached in ’06-’07
- Already reached ~900 of 1,200 goal for ’07-’08
- “1st Graders for Clean Fuels” program developed in early ‘07 and works on all five of the senses through an interactive presentation
- Leave materials with teachers, and developed “Kidz Page” on our Website to hold basics and additional resources for the teachers and students
Success Story #4: Community Champion: Fleet Leader - Eastman

• Started working with Eastman in 2003 to get them as regional leader using biodiesel; they started in 2004
• BAE Systems followed soon thereafter, and since 2004 another 4 larger-sized fleets have started using biodiesel
• Two farmers coops became suppliers and a couple of fuel suppliers have started offering the blend
• We are in discussions with another ~10 fleets in the area about getting started

(200 heavy-duty vehicles, 150 pieces of equipment, and 6 locomotives)
Regional Alt Fuel Fleets
Success Story #5:
Fuel Supplier Relations: Public Stations – Pilot Oil

- Started talking with Pilot Oil in ‘05 about public biofuel stations
- They applied for state funding, received it, and put in East TN’s 1st E85 station in ’07, then followed that up putting in the 2nd station 2 months later on their own dime
- We keep an open line of communication; they allow us to make suggestions for other locations and discuss their viability

The ETCFC now has relationships with about 20 different fuel suppliers and station owners in East TN
“Do not follow where the path may lead. Go, instead, where there is no path and leave a trail.”
- Ralph Waldo Emerson

Your Link to Alternative Fuels Information in East Tennessee:
www.ETCleanFuels.org
(865) 974-3625
**Biodiesel Explosion in ET**

**B100 use (gal):** ’03-0, ’04-90k, ’05-750k, ’06-2.0m

**Public stations:** ’03-0, ’04-5, ’05-17, ’06-25

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**Legend:**
- ■ Fleet using biodiesel homebase
- □ Fleet moving toward using biodiesel homebase
Fossil Energy In vs. Energy Out as Fuel: Add → Cellulosic Ethanol

What you get as output for every 1 unit of fossil energy input:
Biorefinery Location

- Niles Ferry Industrial Park, Vonore, Tennessee
- < 35 miles to UT and ORNL
- Heart of Sweetwater Valley
- Transportation infrastructure
- Utilities & services
- Proximity to distributors
25 public stations; about 80-90 fleets using biodiesel today

5 Plants in Tennessee now – 3 Plants Being Built in East TN

- Nu-Energie, LLC – Phipps Bend
- Suns-Oil, LCC – southeastern TN
- Northington Energy – Morgan County

Pros

- Is the only alt fuel that can yield increased economy and power
- No new vehicles or infra. Required; Fill-n-go option at ≤ B20
- Renewable; less smoke & smell; biodegradable & nontoxic
- Helps equipment last longer; less wear and tear

Cons

- Possible fuel filter changes; all biodiesel gels faster than diesel