



Sevier County Municipalities Work Toward Implementing Alt Fuel Projects



TOP - City of Sevierville bi-fuel CNG/gasoline Ford F-150
BOTTOM - Sevier County Utility District bi-fuel F-150 (LPG/gas)

Sevier Countians are another example of a county-wide effort toward alternative fuels. In addition to biodiesel, county municipalities are already using compressed natural gas (CNG) and have plans to begin using propane and hybrids as well.

“We’re proud to be the first city in East Tennessee to approve a city resolution that basically makes us look seriously at an alternative fuel as the first option for new vehicles,” said Doug Bishop, City Administrator for Sevierville. Sevierville already has several CNG trucks in their fleet and is looking to make their mass transit system run completely on propane-fired hybrid trolleys (they currently have no transit system). They’re also looking at biodiesel for their city fleet, and are working out the details for building a multi-alt fuel fueling station that could be accessible by multiple municipalities in Sevier County, the Sevier County fleet, the Sevier County School System, and possibly several local businesses.

Pigeon Forge, which got started on alternative fuels by purchasing several CNG vehicles two years ago, is also

looking at biodiesel, most likely in the Fun time Trolley system. Fun Time Trolley Director Scott Marine notes, “as long as we can work out the cost and the logistics, we’re ready to start real soon.”

Gatlinburg, the Sevier County city that is practically in the Great Smoky Mountains National Park, already has 3 CNG police cruisers at work in the city, but they’re not stopping there.

“We are doing our homework up front so that we can be prepared to move our entire city diesel fleet to biodiesel (as B20) by the end of 2004,” said Buddy Parton, Director of the city fleet. Buddy added, “If local organizations are going to start making a difference using alternative fuels, with our proximity to the Park, we want to be on-board in a strong way.”

Buddy’s brother, Dr. Jack Parton, is the Director of the Sevier County School System, and is also looking at biodiesel for the county fleet of school buses (p. 4).

Biodiesel in Blount County

(continued from page 1)

ever since, including attending a biodiesel workshop held in Blount County last November that was hosted by the ETCFC. “It gives Calloway Oil a way to start participating in improving air quality in the region, and that’s something that everyone needs to work on,” said Hunt.

Mike Ellis from CRV Energy was equally excited. “Our plans for biodiesel in East Tennessee are just beginning, but there always has to be first steps. Working with Calloway Oil has been great thus far and we hope to build on this strong foundation,” Ellis said.

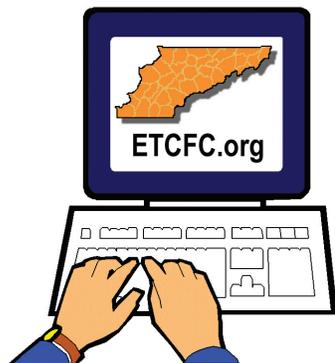
CRV Energy is planning to site a biodiesel production facility in Sevier County and have it operational by Fall 2004. The size of the facility is not for certain yet, but many relationships are beginning to form with potential

B20 users across East Tennessee and the Southeast United States. “If things go our way in the remainder of 2004, we hope to have established a significant stronghold through supplying East Tennessee and beyond with cost-effective biodiesel,” said Ellis.

As one of the Tennessee counties that is a gateway to the Great Smoky Mountains National Park, Blount County has lent an open ear to the ETCFC and is learning about what they can do to help. This work is a great example of their commitment to their community, and to improving air quality across East Tennessee.

For more information on biodiesel, contact the ETCFC at 865-974-3625, or email Jonathan Overly at joverly@utk.edu.

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For more information on the ETCFC and alternative fuels, visit us online at www.etcfc.org

ETCFC Moves Forward with Chattanooga Projects

The ETCFC holds district meetings in Chattanooga every other month, and is working to implement electricity and biodiesel projects there.

Working hand-in-hand with Chattanooga’s Advanced Transportation Technology Institute (ATTI), a member of the ETCFC, meetings are held every other month across from the Chattanooga Choo-Choo hotel.

Jerry Sanders, the communication director at ATTI, notes “we’ve chosen to focus on two specific projects

for the near future—an electric station car system for downtown Chattanooga and getting biodiesel into use in several local fleets.”

The electric station car system has been in the works for some time thanks primarily to the efforts of Jim Frierson, a Board member with ATTI.

The biodiesel project is aimed at getting a foothold of biodiesel use in the community, so there are local fleets to refer to as biodiesel use grows.



Inaugural "Run for Clean Air" to Raise Awareness for Air Quality in East Tennessee - April 10, 2004



The inaugural "Run for Clean Air" 5k run/walk will be held at 9am on April 10 this year.

The ETCFC, in conjunction with the newly formed Regional Clean Air Coalition, is hosting the event at Cherokee Boulevard in Knoxville.

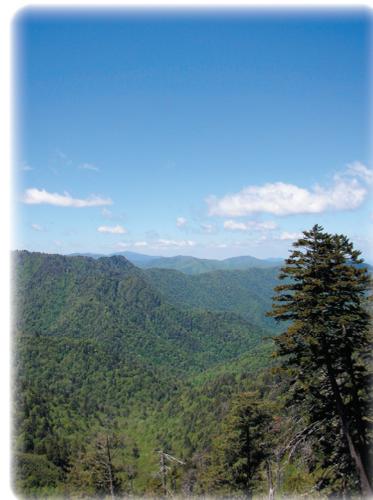
"The reason for creating this event was to bring information to East Tennesseans on what they can

do to improve their own air quality," says Jonathan Overly, executive director of the ETCFC.

Ted Buel, a member of the ETCFC and local architect, came up with the idea and is the race chair. "It is really exciting to see local organizations come on-board for this event considering the need for this information in the community," said Buel. "And with recent news that has surfaced like we're the asthma capital of the entire United States, apparently we have much work to do."

Booths will be setup with information on how citizens can help reduce air pollution in East Tennessee. "And the fun factor will be high" note Buel. Live music, cheerleaders, AFV demonstrations and tons of great prizes will all be part of this inaugural event.

You can read more about the run or register by visiting the run Website, www.RunforCleanAir.org.



Join the ETCFC!

The ETCFC works hard to simultaneously reduce foreign oil dependence and improve regional air quality by putting alternative fuels to use in the transportation sector.

This work is vital to our country as there will be a world oil peak in the coming century, perhaps within the decade, and renewable-sourced hydrogen as its replacement is not ready for prime time. Additionally, this work is vital to Tennessee, as our air quality problems are serious and we have to start doing more to change it.

And we can.

If you'd like to get involved, come to one of our monthly meetings and hear straight from the fleet manager's themselves how local fleets are making the switch. Go to our website, www.etcfc.org, to see when and where monthly meetings are held.

Also, consider supporting our effort by becoming a member! Membership has many benefits, and includes receiving the ETCFC newsletter, *Clean Fuels Advisor*, free! More membership information can be found on our website as well.

PARTNERSHIP LEVELS (annual dues)

Founding Partner	-	\$4,000
Platinum Partner	-	\$2,000
Gold Partner	-	\$1,000
Silver Partner	-	\$500
Associate Partner	-	\$200
Supporting Partner	-	\$25

The Supporting Partnership level is reserved for nonprofits and individuals.

Full Steam Ahead for KAT's Clean Fuels Program

Knoxville Area Transit (KAT), East Tennessee's largest municipal mass transit system, is moving ahead with their Clean Fuels Program.

Barry Greenberg, the director of maintenance for KAT and one of the catalysts of the program, notes that "if things go as we'd like them to this year, we could be running 100% alternative fuels by December 2004."

KAT already has 11 dedicated propane vans and 4 hybrid-electric



Barry Greenberg stands next to one of the Ebus trolleys that they recently received.

trolleys that run on a combination of electricity and a propane-fired MicroTurbine APU.

KAT also plans to begin fueling the remainder of their heavy-duty diesel buses with B20, a common mix of 20% biodiesel and 80% petroleum-based diesel.

Certainly last but not least, KAT also has already received two Prius hybrids, and has plans for more of those as well. **GO KAT!!**

Alt Fuel News & Notes

GRANTS - The ETCFC has applied for grant funding from several sources to fund coalition projects. Sources include Congestion Mitigation and Air Quality (CMAQ) and State Energy Program (SEP) funds.

ON THE RADIO - Jonathan Overly of the ETCFC was recently featured on the Horne Radio network's morning show "Common Sense." In discussing alt fuels, Elliott Domans, the show's host, noted "this may be the most common sense thing I've ever heard."

MCMINN COUNTY - The ETCFC met on March 18 with Bo Perkinson, mayor of Athens, TN, to discuss getting alt fuel projects moving there.

MONTHLY MEETINGS - The ETCFC meetings for 2nd Quarter 2004 will be April 8, May 13 and June 10 at the UT Conference Center Building, room 322. The meetings run from 11am-1pm and lunch is served.

SEAFFT - The ETCFC is participating in the Southeast Alt Fuels Task Force to help spread alt fuels use across the four states of GA, NC, SC and TN.

"WASHINGTON DAYS" - Visits were made to members of congress in February to educate them to the benefits of alt fuels and garner their support.

EARTHFEST - Six AFVs will be at this year's event.



Alternative Fuels to the Rescue

ETCFC.ORG

EAST
TENNESSEE
CLEAN FUELS
COALITION

The East Tennessee Clean Fuels Coalition

311 Conference Center Building
Knoxville, TN 37996-4134

865-974-3625
865-974-1838 fax
jgoverly@utk.edu

www.etcfc.org

Be a part of the solution, not the pollution.

Sevier County School Buses to be Cleaner in '04

The Sevier County School System buses will release much less pollution in the very near future. That's the vision of Dr. Jack Parton, the County School System director. Plans are being made to have all the county's school buses running on B20 by this fall, and oxidation catalysts installed as soon as the necessary funds secured.

Through a connection forged by the ETCFC, Dr. Parton is speaking with Clinch River Valley Energy Group about purchasing their biodiesel (as B20) for use in all 143 of the system's diesel buses. "Considering the benefits of biodiesel, we're really excited to get going on this project," said Parton. "The health of the kids on our buses is a top priority for us, and this will help us do more to protect our county's kids."

The biodiesel, that will be consumed as B20 with a low-NOx additive, will bring emissions reductions of between 10-20% for hydrocarbons, sulfur and nitrogen compounds, carbon monoxide, carbon dioxide, particulate matter and carcinogenic (cancer-causing) compounds.

Biodiesel is a renewable fuel that can be produced locally and can be run in any diesel engine.

In addition, with the help of John Mayo of Fab Industries in Nashville, Dr. Parton is looking into the option of installing oxidation catalysts on all the Sevier County school buses as well. "These devices can bring 40-50% reductions in particulate matter, hydrocarbons and carbon monoxide" says Mayo. The devices are a combination of a catalyst that is installed on the tailpipe and a spirical device that is installed under the hood. "The spirical devices capture a significant portion of the emissions in buses that come off the engine itself that have a greater chance of entering the bus cabin than emissions from the tailpipe" notes Mayo.

Sevier County is looking at a couple of ways to fund the project.



ETCFC 2004 Partner Organizations

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Energy, Environment & Resources Center
Oak Ridge National Laboratory
Sevier Transportation Board

Platinum Partners

Knoxville Utilities Board
Dream Works Printing

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