

ATTACHMENT I

Texas environmental improvements Environmental Research through research and science Consortium

RESOLUTION 2.38

Whereas the Texas Environmental Research Consortium (TERC) is responsible for implementing the New Technology Research and Development (NTRD) Program under contract with the Texas Commission on Environmental Quality (TCEQ); and

Whereas the Houston Advanced Research Center has issued Request for Grant Assistance 13 to solicit technology projects in accordance with previous authorizations by TERC's Board of Directors; and

Whereas well conceived and cost-effective technology projects have been received that would contribute to TERC's achievement of the legislative goals of the NTRD Program; and

Whereas these projects have been evaluated and recommended for funding by TERC's Environmental Technology Advisory Council (ETAC), with conditions; and

Whereas the TCEQ has consented to funding of these, with conditions; and

Whereas TERC's Executive Director and the Houston Advanced Research Center concur with the TCEQ's assessment;

Now, Therefore, Be It Resolved that the TERC Board Executive Committee hereby provides final approval for TERC funding of the Technology projects outlined below, conditional upon resolution of the issues identified by the ETAC and the TCEQ:

• Advanced Global Engineering	Fuel Injector Nozzle	\$205,500
• Advanced Global Engineering	Emissions System	\$480,760
• Capacity of Texas	Hybrid Terminal Tractor	\$722,682
• Caterpillar	Marine Overhaul Kit	\$750,000
• Miratech	50% NOx Reduction for Marine	\$386,570
• MJ Bradley	Sea Water Scrubber	\$656,705
• Texas A&M	HCCI Combustion	\$746,153
• Texas Transportation Institute	Idle Emissions Reduction Techn.	\$749,708

Adopted and Approved this 9th day of April, 2008.



Kelly Frels, Chairman

ATTACHMENT II

Texas environmental improvements Environmental Research through research and science Consortium

RESOLUTION 2.44

Whereas the Texas Environmental Research Consortium (TERC) is implementing the New Technology Research and Development (NTRD) program to facilitate the development and verification of new technologies to maximize the reduction of Oxides of Nitrogen from diesel fueled vehicles and equipment; and

Whereas a significant number of diesel fueled vehicles and equipment operate in the Houston-Galveston and Dallas-Fort Worth areas contributing to the NO_x emissions problem of the regions; and

Whereas the US Environmental Protection Agency has established a technology verification process to establish emissions reductions for specific technologies, as implemented on intended diesel engines or equipment; and

Verification test protocols for some technologies now under development have not yet been established, potentially delaying the verification of such technologies and their subsequent implementation in Texas; and

Whereas TERC's staff and the Houston Advanced Research Center have conducted the initial assessment required to address the potential for NO_x reduction technology verification delays due to the lack of appropriate test protocols.

Now, Therefore, Be it resolved that the Board of Directors of the Texas Environmental Research Consortium hereby authorizes the Houston Advanced Research Center to develop, publish and issue a Request for Grant Assistance for the purpose of receiving proposals from interested parties to develop appropriate verification test protocols for NO_x reduction technologies currently under development.

Be it Further Resolved that TERC's Executive Director and the Houston Advanced Research Center also are authorized to budget and expend up to \$1.5 million of NTRD program's FY 2008 budget to support this project.

Adopted and Adopted and Approved this 9th day of April, 2008.



Kelly Frels, Chairman