

**VIII. Consideration and Approval of Resolution 2.76
Regarding Additional RFGA 17 Awards**

TEXAS environmental improvement

ENVIRONMENTAL

RESEARCH through research and science

CONSORTIUM

RESOLUTION 2.76

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 Application 17 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, determined to be eligible by TCEQ, and recommended for funding by TERC’s Environmental Technology Advisory Council (ETAC), with conditions; and

Whereas TERC’s Executive Director and the Houston Advanced Research Center concur with the ETAC’s assessment;

Now, Therefore, Be It Resolved that the TERC Board Executive Committee hereby provides approval for TERC funding of up to \$1,460,259 for the NTRD projects outlined below at amounts not to exceed those listed, conditional upon final approval by TCEQ:

<u>Company</u>	<u>Project Topic</u>	<u>Maximum Approval \$</u>
Haynes Corporation	Marine and Inland Port NOx Reduction through Optimization, Verification and Certification of Three Locomotive Types	\$710,259
Tinnerman/Shadowood	TEC 2010 NOx Compliance without the Use of Urea	\$750,000

Adopted and Approved this 11th day of June, 2009.

Kelly Frels, Chairman

**IX. Consideration and Approval of Resolution 2.77
Regarding RFGA 18 Awards**

TEXAS environmental improvement

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CONSORTIUM

RESOLUTION 2.77

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 Application 18 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, determined to be eligible by TCEQ, and recommended for funding by TERC's Environmental Technology Advisory Council (ETAC), with conditions; and

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

Now, Therefore, Be It Resolved that the TERC Board Executive Committee hereby provides approval for TERC funding of up to \$3,032,372 for the NTRD projects outlined below at amounts not to exceed those listed, conditional upon final approval by TCEQ:

Company	Project Topic	Maximum Approval \$
Donaldson Company, Inc.	Non-Road Retrofit PM/SCR System Development and Verification	750,000
Engine Control Systems	Integration, Demonstration and Initial Verification of a Combined Retrofit SCR-DPF System for HD Highway Diesel Vehicles	462,332
Johnson Matthey	SCRT & SCCRT	200,000
Nett Technologies	Demonstration and Verification of BlueMAX PLUS SCR Emission Control System for Off-Road Applications	471,631
MIRATECH	Verification Testing of a 50% NOx Emissions Reduction Kit for Marine EMD Diesel Engines	400,000
ISE	Hybrid Drive Development, Characterization and Verification for Shuttle Bus and heavy-Duty Vehicle Applications	748,409

Adopted and Approved this 11th day of June, 2009.

Kelly Frels, Chairman

**X. Consideration and Approval of Resolution 2.78
for Appointment to TERC's ETAC**

TEXAS environmental improvement

ENVIRONMENTAL

RESEARCH through research and science

CONSORTIUM

RESOLUTION 2.78

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; and

Whereas the Board of Directors of the Texas Environmental Research Consortium (TERC) has established an Environmental Technology Advisory Council (ETAC) composed of nationally and internationally distinguished scholars and practitioners in engineering and technical fields who will provide assistance in identifying the appropriate technologies to fund; and

Whereas, membership on the ETAC has declined due to expiration of terms of some members and new members must be appointed to maintain the valuable pool of expertise and support for the NTRD program; and

Whereas, HARC and the Executive Director have considered the needs of the NTRD program and the qualifications of suitable members and identified an individuals with qualifications highly appropriate for membership on the ETAC; and

Whereas the Executive Director and HARC strongly recommend appointment of Donald Lewis to the ETAC,

Now, Therefore, Be It Resolved that the Board of Directors of the Texas Environmental Research Consortium hereby appoints Donald Lewis to the ETAC, effective immediately.

Adopted and Approved this 11th day of June, 2009.

Kelly Frels, Chairman

TEXAS environmental improvement

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RESOLUTION 2.79

Whereas the National Ambient Air Quality Standard for ozone has recently been changed by the EPA from 85 ppb averaged over 8 hours to 75 ppb averaged over 8 hours; and

Whereas the Dallas-Ft. Worth (DFW) area will require new studies to support State Implementation Plan modeling for ozone attainment demonstration under the new ozone standard; and

Whereas DFW stakeholders have requested of TERC a special study on the emissions and ozone impacts of freight rail traffic passing through the Tower 55 junction; and

Whereas a new project concept has been submitted to TERC by the North Central Texas Council of Governments (NCTCOG) in consultation with various DFW stakeholders, including the railroad industry; and

Whereas the TERC Science Advisory Committee has reviewed the project concept submitted by NCTCOG and finds it acceptable, provided comments by the Texas Commission on Environmental Quality (TCEQ) are accounted for in a revised project concept; and

Whereas NCTCOG and the TCEQ have been consulted in revisions to the original project concept;

Be it here resolved that the revised project concept submitted by NCTCOG be approved for funding by TERC.

Adopted and Approved this 11th day of June, 2009.

Kelly Frels, Chairman