

**TEXAS ENVIRONMENTAL RESEARCH CONSORTIUM**

**MINUTES  
BOARD OF DIRECTORS' MEETING  
AUGUST 2, 2006**

The Board of Directors (Directors) of the Texas Environmental Research Consortium (TERC) held a special meeting by conference call on August 2, 2006. The Agenda for the meeting is provided herein as an attachment. Directors participating in this meeting in addition to Chairman LaBoon were the Honorable Margaret Keliher, the Honorable Carl Griffith, Ms. Jan Hart-Black who acted with Director Tom Leppert's proxy, the Honorable Robert Eckels, the Honorable James Yarbrough, the Honorable Ron Harris, Mr. Jim Marston and Mr. Jonathan Ward. Additional persons attending the meeting were Mr. Gregg Cooke, Ms. Amanda Rockow, Ms. Ivy Guice, Mr. David Hitchcock, Dr. Jim Lester, Mr. Rich Haut, Dr. Jay Olaguer, Mr. George Beatty, Mr. Alex Cuclis, Mr. Doug Deason and Mr. John Hall.

The Board took the following actions at the meeting:

- Received, discussed and approved TERC's private sector fundraising initiative with an overall target of raising \$600,000 by the end of 2006;
- Approved Resolution 1.89 and thereby authorized the Houston Advanced Research Center to fund Research Project H81 relating to Nocturnal Mixing at a budget of \$21,639; and increases in various research projects as outlined below:
  - H75 from \$200,000 to \$315,000;
  - A \$52,274 budget increase for H78;and
  - A \$28,850 increase in the budget of H63 B and C;
  - An increase in the budget for H72AB from \$147,590 to \$164,140;

The budget for Research Project H73 was reduced from \$300,000 to \$103,073 in order to fund the budget increased in H75, H78, H63B and C, H72AB and H81.

- Considered and approved Resolution 1.90 and authorized HARC to fund the following NTRD projects:

<b><u>Technology Projects</u></b>	<b><u>Applicant</u></b>	<b><u>Requested Funds from TERC</u></b>
O-01 - Strategic Technology Assessment	ERG	\$200,000
V-01 – Application of Smartway Technologies To Drayage Vehicles	Univ. of Texas	\$200,000
V-03 – Development of a Urea-SCR System (On-Road)	Mack Trucks	\$750,000
V-04 – Off-Road SCRT Retrofit System (Construction)	Johnson Matthey	\$749,400
V-05 – On-Road SCRT Retrofit Systems (On-Road)	Johnson Matthey	\$749,400
V-06 – OnRoad SCRT Retrofit System (On-Road)	Combustion Components, Asso.	\$230,750

V-07 – SCR for Non-Road Applications (Construction)	Extengine Transport Systems	\$533,205
V-08 – SCR Systems for On-Road Applications (On-Road)	Engine Control Systems	\$560,220
V-09 – Extended Verification of and SCR System For On-Road Applications	Extengine Transport Systems	\$529,555
V-10 – Verification of Compact SCR System for Locomotives (Locomotives)	Engine, Fuel & Emissions Eng.	\$116,635
N-01 – Mechanical Variable Injection Timing (VIT) Technology to Reduce NO <sub>x</sub> Emissions (Construction)	Motive Eng.	\$697,398
N-02 – Ammonia Storage System for SCR Off- Road Applications (Construction)	Extengine Transport Systems	\$344,955
N-03 – Diesel Particulate Filter System with NO <sub>x</sub> Reduction Capabilities (Construction)	Rypos	\$750,000
<b><u>Technology Projects</u></b>	<b><u>Applicant</u></b>	<b><u>Requested Funds from TERC</u></b>
N-04 – Heavy Duty Natural Gas Engine (On-Road)	Cummins Westport	\$650,000
N-05 – Hydrocarbon SCR Retrofit Systems (On-Road)	Mack Trucks	\$750,000
N-06 – Natural Gas Engine Development (On-Road)	Emissions Solutions	\$382,500

The meeting adjourned at approximately 4:00 p.m.

Attachment - Agenda

TEXAS ENVIRONMENTAL RESEARCH CONSORTIUM  
BOARD OF DIRECTORS' MEETING BY CONFERENCE CALL  
TUESDAY, AUGUST 2, 2006 – 3:00 P.M.

**AGENDA**

- |      |   |                 |
|------|---|-----------------|
| I.   | Convening of Meeting  | Chairman LaBoon |
| II.  | Consideration and Discussion of TERC's<br>Proposed Private Sector Fundraising Initiative<br>(George Beatty, John Hall, Jim Lester)                                    | Directors       |
| III. | Consideration and Adoption of Resolution 1.89,<br>Regarding the Texas Air Quality II's Research Projects and<br>Related Budget Adjustments<br>(John Hall, Jim Lester) | Directors       |
| IV.  | Consideration and Adoption of Resolution 1.90,<br>Regarding Funding for Technology Projects under the<br>New Technology Research and Development Program              | Directors       |
| V.   | Conclusion  |                 |