

***The New Technology Research
and Development (NTRD)
Program***

The Goals and Budget of the NTRD Program

Goal: Facilitate the development, verification and commercialization of new and emerging technologies to maximize NO_x reductions from diesel-fueled vehicles and equipment

Budget: \$9.0 million per year in FY2006 and
FY2007
\$10.7 million in FY2008 and beyond

TERC's Efforts to Implement the NTRD Program to Date

- Submitted Contract Proposal to the TCEQ on July 18, 2005
- TERC's Revised Budget for the \$9.0 million Program is:
 - Administration and Program Support Activities (20%)
 - NTRD Projects (80%)
- Completed Analysis of NTRD Projects Funded by the TCEQ Over the Past Two Years
- Completed Extensive Consultations With EPA Officials

TERC's Efforts to Implement the NTRD Program to Date (Cntd.)

- Visited California to Consult with Officials of the California Air Resources Board and the South Coast Air Quality District
- Attended Two New Technology Conferences
- Field Visit to the Southwest Research Institute in San Antonio
- Contacted by New York State to Partner on Technology Issues

Key Lessons Learned From **Efforts to Date**

- TERC Must Redesign the NTRD Program to Especially Connect It to the EPA's Verification Program;
- TERC's Search for New Technologies Must Extend Across the Globe;
- TERC is Likely to Receive Only Minimal Help From California Since its Priority is Particulates Rather than NOx Reductions;

Key Lessons Learned From Efforts to Date (Cntd.)

- Texas/TERC Must Assume the Same Leadership Role on NO_x Reductions as California has on Particulates in Order to Achieve Legislative Goals;
- The University of Houston's Diesel Testing Center or a Similar Facility in Texas Likely to be Needed for the NTRD Program;
- A Detailed Data Base and Related Technology Assessment are Needed to Guide Development of The NTRD Program

TERC's NTRD Action Plan for **the Next 100 Days**

- Engage Mike Walsh to Assist in the Development of TERC's NTRD Strategic Plan by 11/30/05
- Lead TERC-EPA NTRD Task Force to Complete the Following:
 - Finalize the Scope of Work for Data Base Project; Get this Project Launched;
 - Design Phase I NTRD Implementation Strategy: Extend EPA's Verified Technologies to Additional Engines/Vehicles/Equipment;
 - Develop Pre-Screening and Assessment Component of NTRD Program to Expedite Verifications by the EPA;
 - Develop Plan and Design for Required Diesel Testing Facility;

TERC's NTRD Action Plan for the Next 100 Days (Cntd.)

- TERC-EPA Task Force:
 - Develop Research and Development Component of NTRD Program;
 - Develop Initiative Regarding Eighteen-Wheelers;
 - Complete Strategic Plan;
 - Establish Environmental Technology Advisory Council;
 - Issue “Call” for Projects in First Quarter of 2006
 - Initiate and Expand Dialogue with other States (New York, New Jersey, California).