

# **TERC Agenda for TexAQS II**

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Houston Advanced Research  
Center (HARC)

# Texas Environmental Research Consortium (TERC)

- TERC is a consortium of stakeholders:
  - Local government agencies (City of Houston, Texas county judges)
  - Environmentalists (Environmental Defense, GHASP)
  - Business and industry (GHP, Dallas C of C).
- TERC's mission:
  - Fund research to improve ozone science and air modeling in East Texas
  - \$5.5 million from TX Legislature for FY2004-2005
  - Collaboration with TCEQ in identifying research

# Science Advisory Committee (SAC)

- Greg Carmichael, U. of Iowa
- Bill Carter, U. of CA at Riverside
- Peter Daum, Brookhaven National Lab
- Jim Meagher, NOAA
- Fred Fehsenfeld, NOAA
- Jim Thomas, TexAQS II Study Coordinator
- Joe Pinto, USEPA NCEA
- Joe Scire, Vice-President, Earth Tech
- Ramon Alvarez, Environmental Defense
- Melanie Sattler, U. of TX at Arlington
- Ron Parry, Rice University
- TCEQ representative

# Role of HARC

- Non-profit devoted to sustainability issues
- Boundary organization facilitating use of good science in environmental policy
- Research Management Organization for TERC
  - John Hall, TERC Executive Director
  - Jim Lester, Environment Group Director
  - Jay Olaguer, AQ Program Director
  - David Hitchcock, Transportation and AQ Forum
  - Alex Cuclis, Project Manager

# Project Planning Process

- Project proposals by Research Team Committee (sub-contractor reps)
  - UT, TAMU, UNC, UH, UAH, Battelle
- Formal deliberations by SAC on May 21 and Oct 13, 2004 (plus e-mail)
- SAC Roadmap Committee, TERC Strategic Research Plan (SRP)
- TexAQS II planning meetings
- Consultation with TCEQ staff

# TERC Field Study Goals

- To ensure adequate resources (models, aircraft, met + chem instrumentation, logistics) for key TexAQS II projects.
- To provide infrastructure for real-time met and air quality forecasting in support of TexAQS II planning and operations.
- To better characterize role of transport.
- To provide information for TX 8-hour SIPs.

# TERC Contribution to TexAQS II

- \$1.9 MM project funding for FY2004-2005
  - Tetron Study (SE TX Balloon Study)
  - NE TX Plume Study
  - Real-time Met and AQ Forecasting
  - Airborne PTRMS Instrument
  - C-band Radars for HGB and DFW
- Similar level of funding for FY2006-2007
  - Solar Occultation Flux (SOF) project
  - Others to be determined

# Key Issues for Discussion

- Are science issues adequately addressed?
- How do we coordinate aircraft flights?
- How do we optimize met and AQ forecasts?
- How will we manage project data?
- Do we have adequate met + chem instrumentation and logistical support?
- How do we use TERC reserve of \$183K to supplement TCEQ resources?
- What synergies with other TexAQS II projects can we exploit?

# Looking Ahead

- How can project results be used in future 8-hour SIPs in East Texas?
- How can projects be executed to give maximum benefit to 2006 intensive?
- How will data be analyzed after Summer 2005?
- What follow-up research should be funded in next biennium?
- How should agenda be structured for next SAC meeting on June 1-2, 2005?