

Statement of Task

- Evaluate the scientific basis of available body of information
- Communicate current state of knowledge
- Key steps:
 - Review methodologies and approaches
 - Identify gaps
 - Suggest improvements
 - Make recommendations

Task Force Membership

- 19 Task Force Members, 2 Task Force Liaisons, 1 Study Director
- Expertise in:
 - Air
 - Land Use
 - Water
 - Seismicity
 - Transportation
 - Community Affairs
 - Shale Development Technologies

Task Force Membership

Christine Ehlig-Economides – Chair

Air

David Allen – Lead
Ramón Alvarez
Matthew Harrison

Land

Melinda Taylor – Lead
Joseph Fitzsimons
Tracy Hester

Water

Danny Reible – Lead
Denny Bullard
Michael Young

Seismicity

Brian Stump – Lead
K.J. (Kris) Nygaard
Craig Pearson

Transportation

John Barton – Lead
Cesar Quiroga

Social/Economic

Gene Theodori – Lead
Omar Garcia
Urs Kreuter

General

Amelie Ramirez

Task Force Associates

Project Director

Jeffrey Jacobs

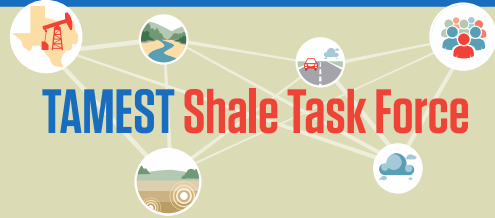
Board Liaisons

Kenneth Arnold

David Russell

Agenda

The Academy of Medicine, Engineering & Science of Texas




TAMEST Shale Task Force

Wednesday • October 5, 2016 • Austin, Texas

The TAMEST Shale Task Force is a first-of-its-kind, comprehensive review of the scientific research and related findings on the impacts of shale oil and gas production in Texas.

<p>OPENING SESSION</p> <p>8:30-9:00 AM <i>Opening Remarks</i> David Russell, TAMEST President Vice Provost and Dean of Basic Research The University of Texas Southwestern Medical Center</p> <p>Christine Economides, Chair, TAMEST Shale Task Force Professor and Hugh Roy and Lillie Cranz Cullen Distinguished University Chair, Cullen College of Engineering University of Houston</p> <p>9:00-9:10 AM <i>Sponsor Perspectives</i> Marilu Hastings, Vice President, Sustainability Program The Cynthia & George Mitchell Foundation</p> <p>EXPERT PRESENTATIONS</p> <p>9:10-9:35 AM <i>Geology and Seismicity</i> Peter Hennings, Research Scientist, Bureau of Economic Geology The University of Texas at Austin</p> <p>9:35-10:00 AM <i>Land Resources</i> Forrest Smith, Dan L. Duncan Endowed Director of South Texas Natives and Texas Native Seeds Projects, Caesar Kleberg Wildlife Research Institute Texas A&M University-Kingsville</p> <p>10:00-10:20 AM BREAK</p> <p>10:20-10:45 AM <i>Water</i> Cal Cooper, Director of Special Projects and Emerging Technology Apache Corporation</p> <p>10:45-11:10 AM <i>Air</i> David Parrish, Senior Research Scientist, Cooperative Institute for Research in Environmental Sciences (CIRES) University of Colorado</p> <p>11:10-11:35 AM <i>Transportation</i> Cesar Quiroga, Senior Research Engineer, Texas A&M Transportation Institute (TTI) The Texas A&M University System</p> <p>11:35AM-12:00PM <i>Social and Economics</i> Thomas Tunstall, Senior Research Director, Institute for Economic Development The University of Texas at San Antonio</p>	<p>12:00-1:15 PM LUNCH</p> <p>TEXAS STATE AGENCIES</p> <p>1:15-1:40 PM <i>Texas Water Development Board</i> Kathleen Jackson, Board Member</p> <p>1:40-2:05 PM <i>Railroad Commission of Texas</i> Lori Wrotenberg, Director, Oil and Gas Division</p> <p>2:05-2:30 PM <i>Texas General Land Office</i> Robert Hatter, Deputy Director, Energy Resources</p> <p>2:30-2:50 PM BREAK</p> <p>OIL AND GAS TRADE ASSOCIATION</p> <p>2:50-3:15 PM <i>Texas Oil & Gas Association</i> Todd Staples, President</p> <p>ENVIRONMENTAL NGO</p> <p>3:15-3:40 PM <i>Environmental Defense Fund</i> Nichole Saunders, Attorney, U.S. Climate and Energy Program</p> <p>3:40-4:00 PM BREAK</p> <p>PANEL DISCUSSION: COMMUNITY PERSPECTIVES</p> <p>4:00-5:00 PM <i>PANEL MODERATOR</i> Gene Theodori, Professor, Department of Sociology Sam Houston State University</p> <p>BARNETT SHALE REGION Judge Roger Harmon, Johnson County, Cleburne</p> <p>EAGLE FORD SHALE REGION Cristi Lajeunesse, Executive Director, Kenedy Housing Authority Jeanette Winn Moczygemba, Superintendent, Karnes City Independent School District</p> <p>PERMIAN SHALE REGION Judge Mike Bradford, Midland County, Midland</p> <p>5:00-5:15 PM <i>Closing Remarks</i> David Russell, TAMEST President</p> <p>5:15 PM ADJOURN</p>
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tamest.org/shaletaskforce

Agenda

EXPERT PRESENTATIONS

- 9:10–9:35 AM *Geology and Seismicity*
Peter Hennings, Research Scientist, Bureau of Economic Geology
The University of Texas at Austin
- 9:35–10:00 AM *Land Resources*
Forrest Smith, Dan L. Duncan Endowed Director of
South Texas Natives and Texas Native Seeds Projects,
Caesar Kleberg Wildlife Research Institute
Texas A&M University–Kingsville
- 10:00–10:20 AM **BREAK**
- 10:20–10:45 AM *Water*
Cal Cooper, Director of Special Projects and Emerging Technology
Apache Corporation
- 10:45–11:10 AM *Air*
David Parrish, Senior Research Scientist, Cooperative
Institute for Research in Environmental Sciences (CIRES)
University of Colorado
- 11:10–11:35 AM *Transportation*
Cesar Quiroga, Senior Research Engineer, Texas A&M
Transportation Institute (TTI)
The Texas A&M University System
- 11:35 AM–12:00 PM *Social and Economics*
Thomas Tunstall, Senior Research Director, Institute for
Economic Development
The University of Texas at San Antonio

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TEXAS STATE AGENCIES

- 1:15–1:40 PM *Texas Water Development Board*
Kathleen Jackson, Board Member
- 1:40–2:05 PM *Railroad Commission of Texas*
Lori Wrotenbery, Director, Oil and Gas Division
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Robert Hatter, Deputy Director, Energy Resources
- 2:30–2:50 PM **BREAK**

OIL AND GAS TRADE ASSOCIATION

- 2:50–3:15 PM *Texas Oil & Gas Association*
Todd Staples, President

ENVIRONMENTAL NGO

- 3:15–3:40 PM *Environmental Defense Fund*
Nichole Saunders, Attorney, U.S. Climate and
Energy Program
- 3:40–4:00 PM **BREAK**

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PANEL DISCUSSION: COMMUNITY PERSPECTIVES

4:00–5:00 PM

PANEL MODERATOR

Gene Theodori, Professor, Department of Sociology
Sam Houston State University

BARNETT SHALE REGION

Judge Roger Harmon, Johnson County, Cleburne

EAGLE FORD SHALE REGION

Cristi LaJeunesse, Executive Director, Kenedy Housing Auth
Jeanette Winn Moczygamba, Superintendent, Karnes
Independent School District

PERMIAN SHALE REGION

Judge Mike Bradford, Midland County, Midland

5:00–5:15 PM

Closing Remarks

David Russell, TAMEST President

5:15 PM

ADJOURN

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