

The Energy Systems Laboratory (ESL)

The Energy Systems Laboratory (ESL) is a division of the Texas Engineering Experiment Station and a member of the Texas A&M University System. The ESL is affiliated with the Energy Systems Group in the Department of Mechanical Engineering (5 faculty), as well as 3 faculty from the Departments of Architecture and Construction Science in the College of Architecture and has been in existence for several decades.

The ESL's Director is Dr. David E. Claridge, Professor of Mechanical Engineering. The lab currently employs approximately 120 staff members, including mechanical engineers, computer science graduates, lab technicians, support staff, and graduate and undergraduate students.

The Lab focuses on energy-related research, energy efficiency, and emissions reduction, and has a total annual income for external research and testing exceeding \$4.5 million. Some specialized areas are:

- Metering and modeling energy use in buildings
- Optimization of heating, ventilation, and cooling systems, known as Continuous Commissioning®
- Modeling and analysis of data collected, including calibrated simulation and measurement and verification of photovoltaic solar installations

Senate Bill 5, in 2001, assigned ESL an important role in the implementation of state energy standards and assistance with calculation of emissions reduction benefits from energy efficiency and renewable energy initiative.

We invite you to explore our website to learn about the ESL, its activities, and related resources.

Use the navigation bar at the top of the page for more information on the following:

- Major projects
- Testing Facilities
- Education and Professional Development Activities

Contact the ESL

Energy Systems Laboratory Main Office

Texas A&M University

3581 TAMU

214 Wisenbaker Engineering Research Center

Bizzel Street

College Station, Texas 77943-3581

Main Phone (979) 845-9213

Main Fax (979) 862-8687

General Lab Information and Continuous Commissioning Inquiries:

Diane McCormick, Manager of Organizational Services

979-862-8480

Riverside Laboratory and Fan Testing:

Kathy Wadle, Engineering Technician

979-845-6404

TERP (SB5) or Building Codes Questions:

Kathy McKelvey, Research Associate

979-845-1781

ASHRAE and IC3 Training:

Jessica Coffin, Conference and Event Coordinator

979-458-0675

Research and Business Services:

Vic Reid, Assistant Director for Research and Business Services

979-847-8780

The main ESL offices are located in the TAMU Wisenbaker Engineering Research Center (WERC) on the northeast corner of the Texas A&M Campus in College Station. To locate our offices, you may visit the online map or download directions.

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