Top:

Rudder Tower is one of 24 Texas A&M buildings underpining energy efficiency upgrades.

Bottom, from the left:

Jeff Murray, Siemens; Jim Riley, Director Utilities & Energy Management, Texas A&M; Jacob Richardson, Siemens; Les Williams, Associate Director Utilities & Energy Management, Texas A&M

Of the many trends impacting U.S. colleges and universities in the next 10 years, two are converging at a rapid pace. The steady decline in the number of high-school age students, from 21.5 million in 2009 to less than 20 million by 2020, is dovetailing with the rapidly increasing value 18 and 19 year-olds place on global responsibility. To attract smart, young students, institutions are finding they need to be seen as leaders in energy conservation and other areas of sustainability.

Texas A&M University is one institution that has taken this bull by the horns. As one of the nation's oldest and largest universities, Texas A&M is recognized as a leader in all facets of higher education, from academics to athletics to scientific research. The university has also been a leader in campus energy management, dating back to 1893 when it first began generating a significant portion of its own electricity. Texas A&M continues to look forward, with a new $15 million performance contract and the help of Siemens Industry, to upgrade the efficiency of over 20 campus buildings.

Decreasing Costs While Increasing Enrollment

Texas A&M's proactive approach to managing energy consumption on campus targets two important goals. It wants to further control energy costs and provide a greener, more energy efficient campus for a more environmentally-conscious student body. This effort, spearheaded by the university's Department of Utilities and Energy Management (UEM) team — led by Jim Riley, Director of Utilities and Energy Management, and Les Williams, Associate Director of Utilities and Energy Management — has been a proven success. Since 2002, Texas A&M has been able to reduce energy consumption by 25% despite the fact the campus' total square footage grew by 18%.

Staying Ahead of the Curve

Today, the campus is embarking on an ambitious upgrade of 24 campus facilities to further improve energy management. To do this, it is leveraging a $15 million performance contract made possible through ARRA stimulus funds secured by the Texas State Energy Conservation Office (SECO). The contract allows Texas A&M to fund facility improvements through a low-interest loan paid for by future energy savings. To implement the performance contract, Texas A&M partnered with the Building Technologies Division of Siemens Industry, Inc. a global leader in building automation and energy efficiency solutions. Siemens was selected in part because of their past successes with Texas A&M energy management initiatives. Additionally, the university felt confident in the ability of Siemens to complete all project work by the end of 2011, a key condition of the funding, according to Riley.

Creating a Better More Efficient Campus

In defining key elements of the building upgrades, Siemens and Texas A&M identified solutions that both reduce energy consumption and create buildings that better meet the needs of its students, according to Williams. The final list of projects calls for improvements to 24 campus buildings. These improvements include:

- **BAS Building Optimization** — Optimization of the campus' building automation system (BAS) will improve energy efficiency and enable better HVAC control in buildings representing over 1.6 million square feet.
- **Occupancy Sensors** — Occupancy sensors will be installed in offices, classrooms and common areas to reduce energy consumption and eliminate the wasteful practice of conditioning and lighting spaces when not occupied.
- **Lighting Retrofits** — Replacing older inefficient lamps will reduce energy consumption dramatically. Texas A&M’s 700,000 square foot library will benefit greatly from this upgrade as will campus parking garages, which must remain lit 24/7/365.

The Impact of Performance Contracting

Once the project is completed in 2011, these building improvements are estimated to generate $1.1 million in annual operations and utility savings. The university and Siemens are working closely with an independent third party assessor, selected by SECO, to ensure performance and savings goals are met. The end result is a more efficient, sustainable campus benefitting the students, budget and the environment.
Outgoing Senior Regional Representatives to the Board

L-R
At-Large: Dan Whitezell
PCAPPA: Tony Ichsan
Secretary-Treasurer and Membership Chair: Nancy Hurt
CAPPA: Mike Johnson
RMA: Kevin Hansen
ERAPPA: Keith Woodward
SRAPPA: Sylvester Johnson (not pictured)
Meritorious Service Award

Eakle Barfield

John Morris

APPA Fellow

Fred Plant

APPA Staff: 25 Years of Service

Jack Colby

Eagle Award

John Sumlin

Chong-Hie Choi
Diamond Business Partner Award

President’s Recognition & Gavel Exchange

President’s Gavel plaque and Ring from David to Darrel

Strategic Business Partners
Able Services
Acurrent, Inc.
Acurrent, Inc.
Adams FM2
Advantage IQ, Inc.
Agile Oak
AKF Group LLC
Alera Lighting
Alertus e2Campus
ALLSTEEL OFFICE
Alpha Building Corporation
Alps Controls.com
Anton Carpets Fiber
Aramark Higher Education
Ashland
AssetWorks, Inc.
Auburn Manufacturing
AVO Training Institute, Inc.
Baker Road Seating and Restoration
BigBelly Solar
Breeze Software
BRUNS-PAK
Center for JOC Excellence
ChemTreat, Inc.
Club Car, Inc.
College Planning and Management
Crabtree, Rohrbaugh & Associates
Delta Controls
Design Collaborative, Inc.
Diversified Woodcrafts
E & I Cooperative Purchasing
Eaton Corporation
E-Builder Inc
Elevator Consultants
Facility Engineering Associates, P.C.
Facility Wizard Software, Inc.
FiberTite Roofing Systems
Fisher Safety
Freudenberg Filtration Technologies
Gale Associates, Inc.
Gordian Group, Inc.
Haley & Aldrich Inc.
HD Supply
HID Global
Holophane Company Inc
Honeywell
Instakay Security Systems
ISES Corporation
ISSA
Jacobs
JLG
Johnson Controls, Inc.
Labs Done Fast (Diversified Woodcrafters)
Lasertech Floorplans Ltd.
Leach Bates Inc.
Life Guard Network
Marcis & Associates
Max-R
McGard LLC
Miracle Method Surface Restoration
Mitsubishi Electric/Electronics USA, Inc.
Miura North America, Inc.
Silver*  Musco Sports Lighting
Bronze National MultiTech, LTD
Silver* Navigant Consulting
Silver* Noresco
Gold* Onicon Incorporated
Bronze Phoenix Energy Technologies
Bronze Planon Software
Silver* Projectmates/ Systemmates, Inc.
DNE Rheinzink America, Inc.
Bronze RMF Engineering, Inc.
Bronze Rochester & Associates, Inc.
Bronze Rochester Midland Corporation
Gold* RS Means
Silver* Rubbermaid Commercial Products
Gold* S.A. Armstrong Ltd
Gold* Sanijagla International
Gold* Schneider Electric
Silver* Schooldude.com
Bronze Sebesta Blomberg & Associates
Silver* Siemens Industry, Inc.
Silver* Skire, Inc.
Platinum* sodexo
Silver* Solar Turbines Inc
Solid Waste Solutions
Silver* Spartan Chemical Company
Gold* Spirotherm, Inc.
Silver* SSC Service Solutions
bronze Stage RIGHT Corporation
Silver* Staples
Silver* STV Architects
Silver* Swan Corporation
Bronze Tandus Flooring, Inc.
Silver* Tekplan Solutions Texas LLC
Silver* Tennant Company
Silver* The Budd Group
Silver* The Trane Company
DNE TMA Systems, LLC
Bronze Traka USA LLC
Bronze Trema Inc
Silver* UGL UNICCO
Silver* Unger Enterprises
DNE US Water Services
Silver* VDA (Van Deussen & Assoc.) - Elevator Consultants
Silver* Verve Living Systems
Silver* VFA, Inc.
Silver* VHB/Vanasse Hangen Bruslin, Inc.
Silver* Victor Stanley Inc
Silver* Waste Management
Silver* Wenger Corporation
Silver* Wesco Distribution, Inc.
Western Construction Group
Silver* WFF Facility Services
Silver* Woolpert
Silver* xpedx

* Denotes Ambassador Supporter
Boldface denotes Strategic Business Partner
President’s Award

- Melinda Nelson
- Lalo Gomez
- Mike Johnson
- Alan Bigger
- Tom Flood, Tom Becker, and Casey Wick (not pictured)

ERAPPA: Neal Lespasio
MAPPA: Dave Miller
CAPPA: Tom Lee (not pictured)
SRAPPA: Jay Klingel,
RMA: Eric Van De Boogaard,
PCAPPA: Brian Worley

President Award “Unsung Hero”

Pacesetter Award

L-R: Darrel Meyer, Kevin Hansen, Michael O’Connor, Rick Storlie, Michael Anthony, John Ott, and David Cain.
Rising Star Award

CFaR Research Award

Jack Colby

Melinda Nelson

L-R: David Gray, Phillip Nel, Dominic Marafioti, Derry Caleb, Darrel Meyer

International Partnerships

APPA Staff