

Texas Woman's University

October 23, 2009

Quarterly Report to the Governor and Legislative Budget Board

4th Quarter FY2009 Energy, Water and
Vehicle Fuel Conservation Report

Executive Order RP 49 requires each state agency to provide quarterly updates to their energy and water conservation plan. This report provides the updated information for the Texas Woman's University energy and water conservation plan as required by Executive Order RP 49.

Texas Woman's University Facilities

Energy and water conservation projects at Texas Woman's University have significantly reduced the consumption of electricity, natural gas, water, and associated costs. An energy cost baseline was established using historical information. The reported cost savings were developed using the historical data, the cost of retrofits for the energy and water conservation measures, and the savings from those retrofits. The savings identified and reported provide the cost avoidance savings dollars to pay for the energy savings performance contract retrofits. The savings are guaranteed through the TWU energy savings performance contract with TAC. Table 1 details the savings data for Texas Woman's University for the reporting period ending August 2009.

Fleet Fuel Management

There are various factors that influence vehicle usage or potential cost savings such as changes to client services, natural disasters, and changes in the numbers of students, faculty, and staff. The Fleet Fuel Management details for the reporting period ending August 2009 are reported report in Table 2.

User Awareness Program

The Texas Woman's University UAP is designed to provide an effective and efficient way to manage energy and water conservation in buildings owned or leased and occupied by TWU. We continue to ensure TWU employees and students do their part in conserving those resources and controlling costs.

Utility Consumption Data Posting

Texas Woman's University uses a software program called Energy Watchdog to record utility consumption data for electricity, natural gas and water. The database includes utility consumption data for all of the TWU metered utilities. This system allows TWU to track usage and cost for energy and water and to assist the university in managing our utility needs and costs.

TWU posts the metered utility consumption data reports via a "Going Green" link from the TWU main webpage to the TWU Facilities Management and Construction website as required by Executive Order RP 49.

Table 1

**Texas Woman's University
 Energy and Water Conservation Report
 Denton Campus
 June 2009 - August 2009**

Sep 08 - Nov 08	Defined Savings and Normalized (1)	% Reduction
Electricity	\$111,791.01	14.5%
Natural Gas	\$788,169.74	83.3%
Water (2)	\$33,596	16.7%

Dec 08 - Feb 09	Defined Savings and Normalized (1)	% Reduction
Electricity	\$104,145.11	16.8%
Natural Gas	\$424,219.62	67.6%
Water (2)	\$33,594	16.7%

Mar 09 – May 09	Defined Savings and Normalized (1)	% Reduction
Electricity	\$118,373.03	19.6%
Natural Gas	\$345,249.35	78.8%
Water (2)	\$33,600	16.7%

May 09 - Aug 09	Defined Savings and Normalized (1)	% Reduction
Electricity	\$92,526.13	14.1%
Natural Gas	\$460,196.71	87.8%
Water (2)	\$33,600	16.7%

Notes:

1) "Defined" savings are calculated as described in note (2). "Normalized" savings are calculated with a weather adjusted baseline consumption using models developed to calculate pre-retrofit and post-retrofit savings. Electric and natural gas utility bills are used for this process.

2) "Water" savings are stipulated, i.e., calculated once and carried forward for the life of the project. Plumbing fixtures were changed out for water saving devices and savings determined based on flow rates between the new and old devices and estimated usage calculated on the number of clients and industry standard average flows for the new fixtures per client.

Table 2

**Texas Woman's University
Fleet Fuel Consumption Report**

Fourth Quarter (June 2009 - August 2009)

Agency/Department	Gals. Of Vehicle Fuel (Unleaded)	Gals. of Alt. Vehicle Fuel	Total Vehicle Fuel	Other Regular Fuel (Diesel)	Other Alt. Fuel	Total Fuel – Vehicle & Other	Miles Traveled	MPG – MilesTraveled/Total Vehicle Fuel
00731 Texas Woman's University	8,246	0	8,246	1,799	0	10,025	Unleaded – 67,847 Diesel – 8,941	Unleaded – 8.2278 Diesel - 5.0258