

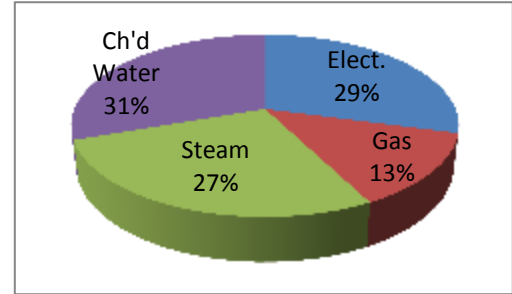


FY 2015 – 3rd Quarter Energy Report

TTUHSC buildings consumed 54 kBtu/sf in the 3rd Quarter, which is expected to meet our institutional goal of keeping energy utilization index (EUI) value in the range of 226 and 250 kBtu/sf/yr. Water consumption intensity for the 3rd quarter is 4.3 Gal/sf, which is within the limits of SECO (State Energy Conservation Office) water conservation guidelines.

Campus Energy Use (kBtu/Sq ft): March – May

Utility	FY15 Actual	FY14 Actual	Change
Electricity	15.78	16.52	-4.51%
Natural Gas	7.10	6.94	2.36%
Steam	14.69	16.65	-11.75%
Chilled Water	16.40	18.39	-10.80%
Total	53.97	58.50	-7.73%



1. In 3rd Quarter FY 2015, Cooling Degree Days (CDD) decreased by 43%, and Heating Degree Days (HDD) decreased by 11%, as compared to 3rd Quarter FY 2014.
2. Semi-Annual Energy Report was prepared and submitted to SECO.
3. Preliminary Utility Budget Forecast for FY 2016 was prepared and submitted for approval.
4. We have engaged Tradition Energy to negotiate gas contract in Amarillo, Permian Basin and Abilene areas.
5. We have reviewed design documents of new School of Public Health building in Abilene for energy compliance.
6. We have installed (4) 350W LED fixtures with occupancy sensors to replace existing parking lot pole lights (400W HPS). The lights dim to 50% during unoccupied period at night.
7. We have conducted energy assessment of two leased buildings in Abilene. These buildings are in the plan to be procured by HSC.
8. One air handling unit is being replaced on the 4th floor of Lubbock HSC building. Construction is expected to be completed by end of July' 2015.
9. (36) 175W exterior soffit building lights are being replaced by 34W LED light fixtures. The illumination level from these new fixtures meet IESNA and energy standards.
10. We have plan to replace (13) wall packs exterior of two buildings in Odessa by LED fixtures. Material is on order.
11. Lighting retrofit to use F28 & F25 T8 lamps, and occupancy sensors for automatic lighting control, are being implemented through maintenance, new construction and renovation projects.
12. New energy efficient LED lights are being tested for performance and reliability since FY2010. As of date, the failure rate is 4.6%, and no significant depreciation in illumination.
13. Upgrade pneumatic control systems to direct digital control systems. This is being done as and when funding is available.
14. We continue to review and update the 'Resource Efficiency Plan' (REP), which identifies a comprehensive list of projects and measures for the campus energy conservation. Projects are being prioritized and implemented based on acceptable payback period, and availability of funding.
15. We have participated in the first Building Energy Code Conference organized by Department of Energy.

