

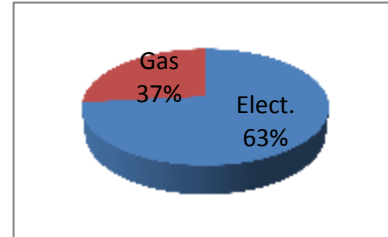


FY 2015 – 1st Quarter Energy Report (TTUHSC El Paso)

TTUHSC buildings consumed 45.7 kBtu/sf in the 1st 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 1st quarter is 6.4 Gal/sf, which is within the limits of SECO (State Energy Conservation Office) water conservation guidelines.

Campus Energy Use (kBtu/Sq ft): September – November

Utility	FY15 Actual	FY14 Actual	Change
Electricity	28.70	27.57	4.13%
Natural Gas	17.00	27.06	-37.16%
Total	45.70	54.62	-16.33%



1. In 1st Quarter FY2015, Cooling Degree Days (CDD) has decreased by 8%, and Heating Degree Days (HDD) has decreased by 5%, as compared to 1st Quarter FY2014.
2. Annual Energy Report, Resource Efficiency Plan and 5-yr Energy & Water Management Plan were prepared and submitted to SECO.
3. We are working with our control system vendor to optimize HVAC system operations in the new School of Nursing building. Energy savings features such as temperature resets, static pressure resets, economizer operation, cooling load based on actual Btu demand etc., are being implemented.
4. We have prepared a preliminary design guide draft report with the intent of improving reliability and increased energy savings for new construction and renovation projects.
5. 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.
6. New energy efficient LED lights are being tested for performance and reliability since FY2010. As of date, there has been 3.5% failure rate, and no significant depreciation in illumination.
7. Upgrade existing direct digital control systems. This is being done as and when funding is available.
8. 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.

