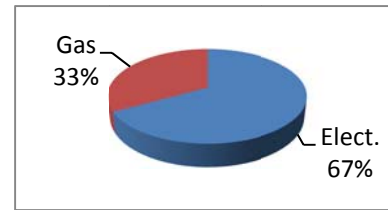


FY 2016 – 1st Quarter Energy Report (TTUHSC El Paso)

TTUHSC buildings consumed 43 kBtu/sf in the 1st Quarter, which is expected to meet our institutional goal of keeping energy utilization index (EUI) value less than 250 kBtu/sf/yr. Water consumption intensity for the 1st quarter is 6.6 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	FY16 Actual	FY15 Actual	Change
Electricity	28.90	28.70	0.69%
Natural Gas	14.27	17.00	-16.05%
Total	43.17	45.70	-5.54%



1. In 1st Quarter FY2016, Cooling Degree Days (CDD) increased by 38%, and Heating Degree Days (HDD) decreased by 8%, as compared to 1st Quarter FY2015.
2. ‘Annual Energy Report’ and ‘Energy & Water Management Plan’ were prepared and submitted to SECO on October 30, 2015.
3. We are in contract with the State General Land Office (GLO) to supply gas to three buildings for three more years starting from September 1, 2015. El Paso Electric provides electricity to serve all buildings. City of El Paso provides water, sewer, reclaimed water, fire protection water for all buildings.
4. We track and review invoices for each building and type of utility. Any discrepancy with billing or consumption trend are investigated and reported to appropriate authority for corrective action.
5. We prepare, analyze, and report monthly consumption and cost data, trend charts, EUI and ECI of each building, water consumption data and trends, unit cost of utilities etc.
6. 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.
7. A substantial number of LED lights have been installed. These are being tested for performance and reliability.
8. Upgrade existing direct digital control systems. This is being done as and when funding is available.
9. Total miles driven by vehicles in 1st Quarter FY2016 have increased by 18% (or 6,254 miles) as compared to 1st Quarter FY2015. But the total fuel cost for the quarter has decreased by 29% (or \$3,238.65) due to lower unit cost of gasoline.
10. We work with operations groups to improve equipment conditions, identify projects and measures for the campus energy conservation. Projects are being prioritized and implemented based on acceptable payback period, and availability of funding.

