

2014 Energy Usage Calculator 2013-14 data

District: Imperial Community College District
College: Imperial Valley College

Fiscal Year	Annual Electricity KWH Usage	Electricity to BTU Conversion	Annual Natural Gas Therm Usage	Therm to BTU Conversion	Total Annual BTU's Consumed	Gross Square Feet From Space Inventory	Weeks of Academic Operation	Total Weeks of Operation	Average BTU's Per GSF Per Week	Percent Reduction of Baseline Year
2001-2002	4,320,000	14,744,160,000	37,105	3,710,500,000	18,454,660,000	261,426	42	52	1502	Baseline Year
2002-2003	4,326,400	14,766,003,200	27,373	2,737,300,000	17,503,303,200	261,426	42	52	1425	-5.16%
2003-2004	4,598,400	15,694,339,200	27,094	2,709,400,000	18,403,739,200	268,080	42	52	1461	-2.75%
2004-2005	4,336,000	14,798,768,000	41,312	4,131,200,000	18,929,968,000	263,280	42	52	1530	1.85%
2005-2006	4,348,800	14,842,454,400	35,545	3,554,500,000	18,396,954,400	268,080	43	52	1445	-3.81%
2006-2007	4,976,000	16,983,088,000	43,210	4,321,000,000	21,304,088,000	268,080	43	52	1673	11.39%
2007-2008	4,969,600	16,961,244,800	47,692	4,769,200,000	21,730,444,800	268,080	43	52	1707	13.62%
2008-2009	5,280,000	18,020,640,000	29,780	2,978,000,000	20,998,640,000	268,080	43	52	1649	9.79%
2009-2010	4,422,400	15,093,651,200	34,319	3,431,900,000	18,525,551,200	267,591	43	52	1457	-2.96%
2010-2011	4,038,400	13,783,059,200	40,903	4,090,300,000	17,873,359,200	329,380	43	52	1142	-23.94%
2011-2012	4,483,200	15,301,161,600	38,499	3,849,900,000	19,151,061,600	321,837	43	52	1253	-16.59%
2012-2013	3,609,600	12,319,564,800	23,033	2,303,300,000	14,622,864,800	319,748	43	52	963	-35.90%
2013-2014	2,979,200	10,168,009,600	30,856	3,085,600,000	13,253,609,600	309,838	43	52	901	-40.04%

Do Not Enter Data in Blue Cells, They are Formula Driven

Instructions for Completion

1. Enter your electric and gas usage for 2001-02 and subsequent years. The spreadsheet will calculate your annual Btu use.
2. Enter your campus gross square footage from Space Inventory. Remove square footage that does not use electricity or gas.
3. Enter your normal weeks of Academic Operation.
4. Enter your total weeks of operation (must be 52 or less).
5. You are done. Save and send (electronically) in your EUC by October 17, 2014 to ethorson@cccoco.edu.

Since this workbook is being submitted with your Space Inventory Report, your energy use data will be from the prior fiscal year, i.e. July 1, 2013 through June 30, 2014. Energy data in prior FY's should correspond to last year's EUC as closely as possible.

This chart was created to allow campuses to add academic weeks without being penalized for the additional energy those weeks would add to the normal calculation of the Energy Utilization Index (EUI); which is the BTU per GSF per Week. In the normal calculation, the energy use would increase, but the square footage would remain constant, thus resulting in a higher EUI. By factoring in the weeks of operation, the increase to the EUI is diluted.

There is the presumption that a Non-Academic Week uses about 50% of the energy of an Academic Week. The energy usage calculator factors this into the formula for the average BTU per GSF per Week.