



# SUSTAINABLE CUNY CONSERVES

## Bronx Community College FY2017 Energy Snapshot

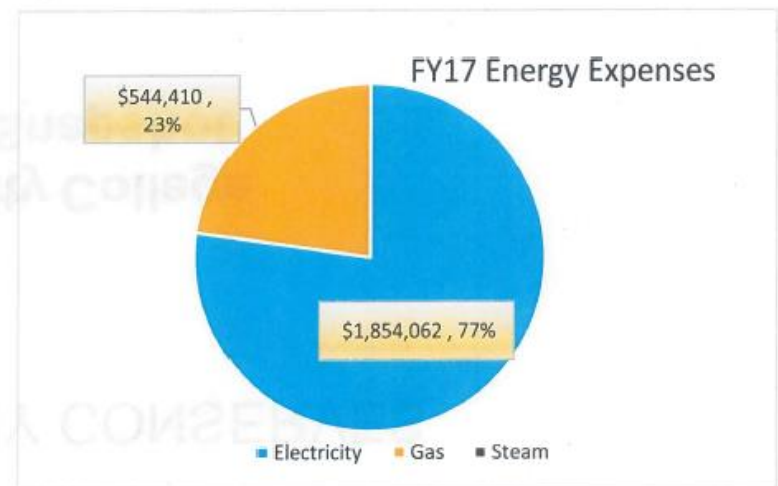
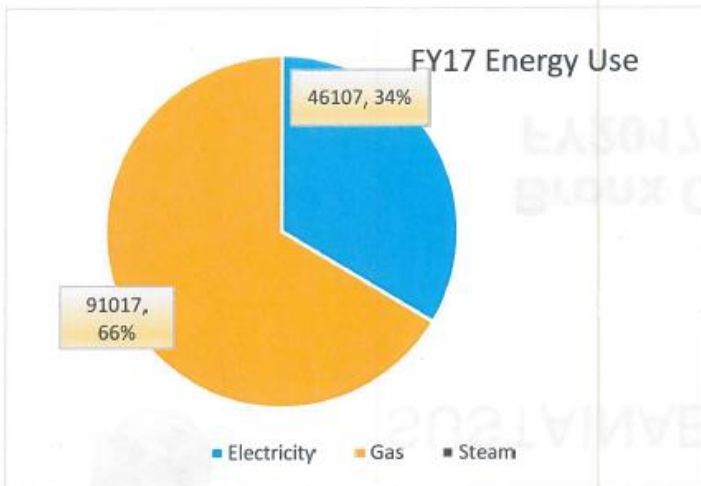
Sustainable CUNY Conserves is a university-wide effort to reduce energy consumption and greenhouse gas emissions, across CUNY's 29 million square feet in over 300 buildings. The savings from reduced utility expenses can be used to support other campus initiatives. Sustainable CUNY Conserves provides a platform for sharing best practices, training, data and analytics, IT support, and a \$1,250,000 Sustainable Investment Fund (SIF), in addition to providing assistance on implementing the Campus Sustainability Plan actions. The program gained impetus with the release of Executive Orders from New York State and New York City. The Governor's Executive Order 88, NY Build Smart, mandates CUNY to achieve a 22% reduction in energy use intensity (EUI) by 2020, while The Mayor's Executive Order 26 mandates an 80% reduction in Greenhouse Gas emissions (GHG) by 2050 (with a number of interim targets by 2020). This report includes a profile of the college's energy use as well as an overview of all CUNY energy use in FY17.

# Bronx Community College Fiscal Year 2017 Energy Dashboard

Government Mandates	Baseline	Previous Jul '16	Current Jul '17	1 Year Trend	% of Goal
<b>NYS EO 88: reduce EUI 22%</b> baseline: FY11 target: FY20	126	111	107	-3.9%	-70%
<b>NYC EO 26: reduce GHG 35% by 2025</b> baseline: FY06 target: FY25	10,287	10,971	10,553	-3.8%	7%

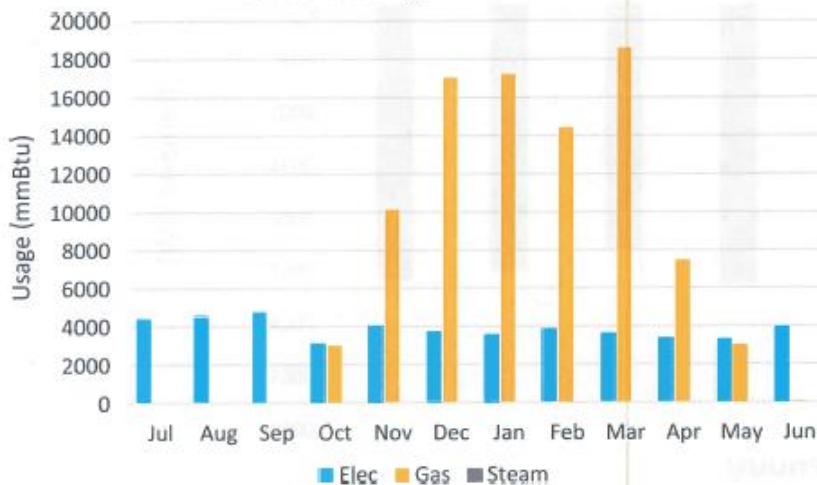
Peak Electric Demand (kW)	Previous Sep '16	Current Jul '17	% Change
	3,140	3,075	-2.1%

Energy Use	FY16	FY17	1 Yr Trend
Electricity (kWh)	14,019,987	13,521,042	-3.6%
Gas (Therms)	949,058	910,166	-4.1%
Steam (mlbs)	0	0	NA
Degree Days	FY16	FY17	% Change
CDD	1,545	1,466	-5.1%
HDD	3,769	4,224	12.1%
TDD	5,314	5,690	7.1%

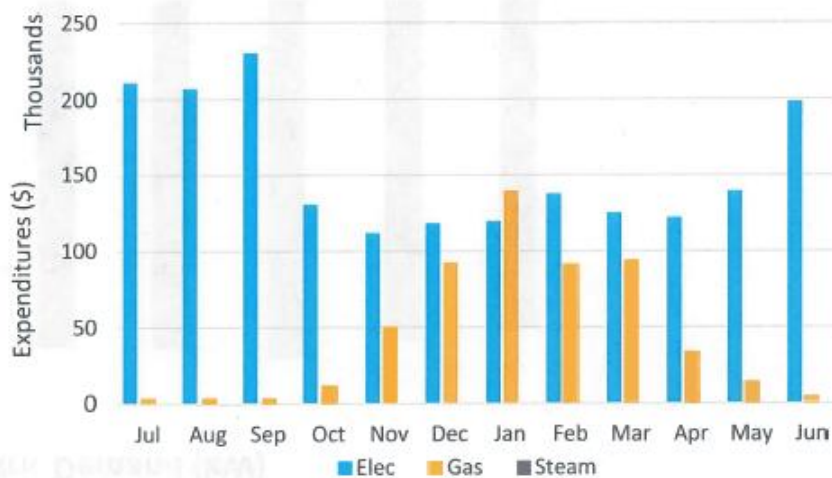


# College Energy Use and Expenses by Resource

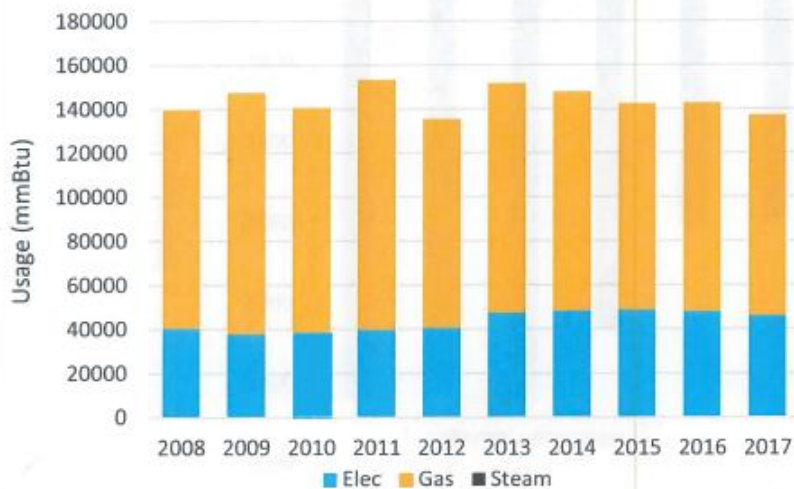
## FY'17 Energy in mmBTUs



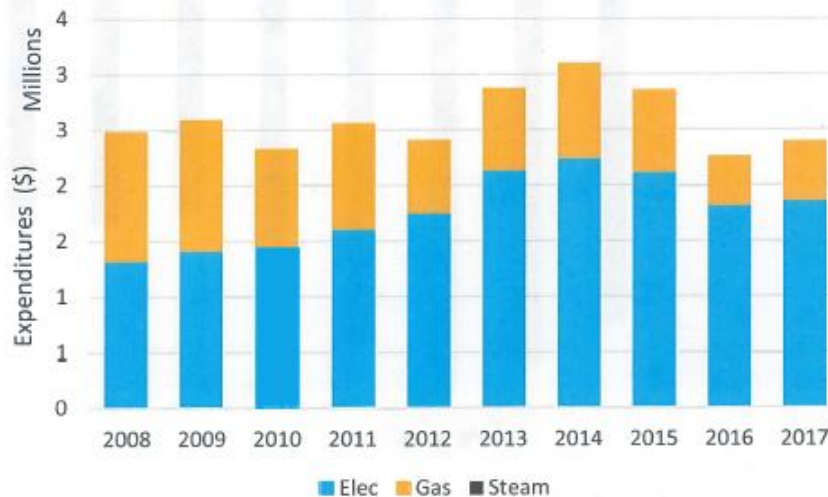
## FY'17 Expenses by Resource



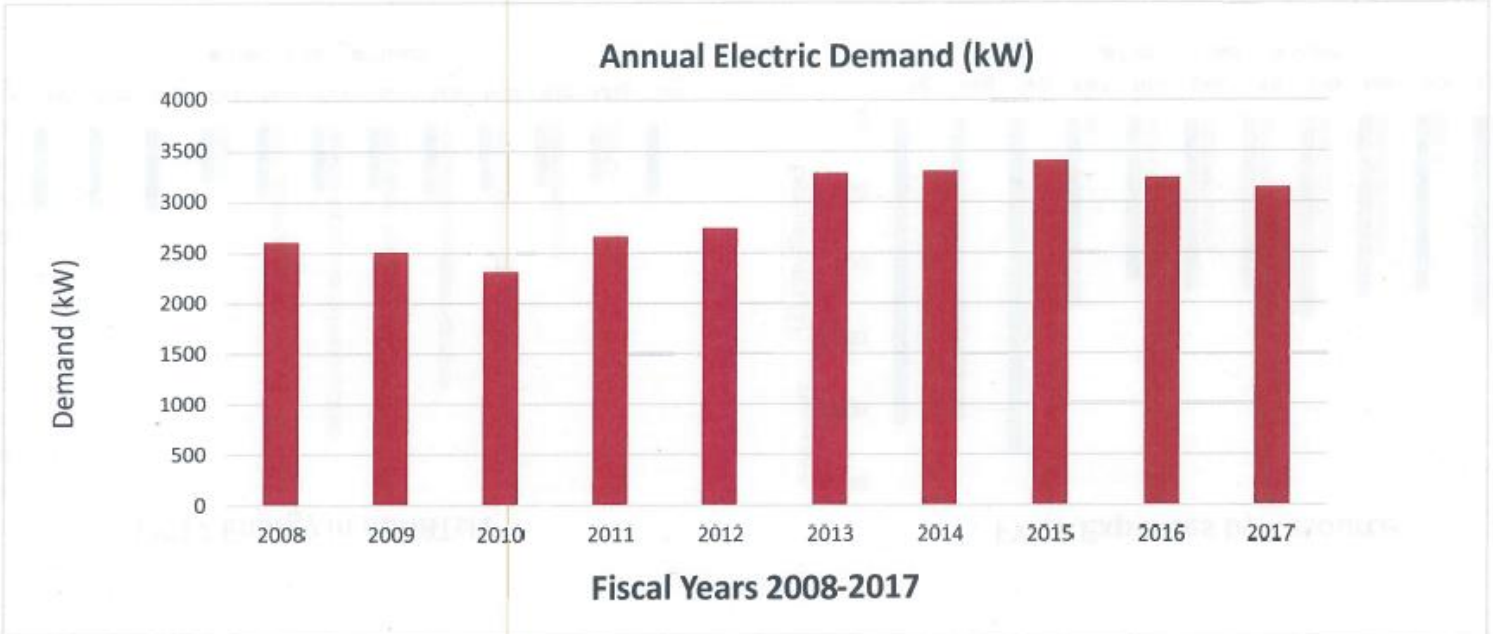
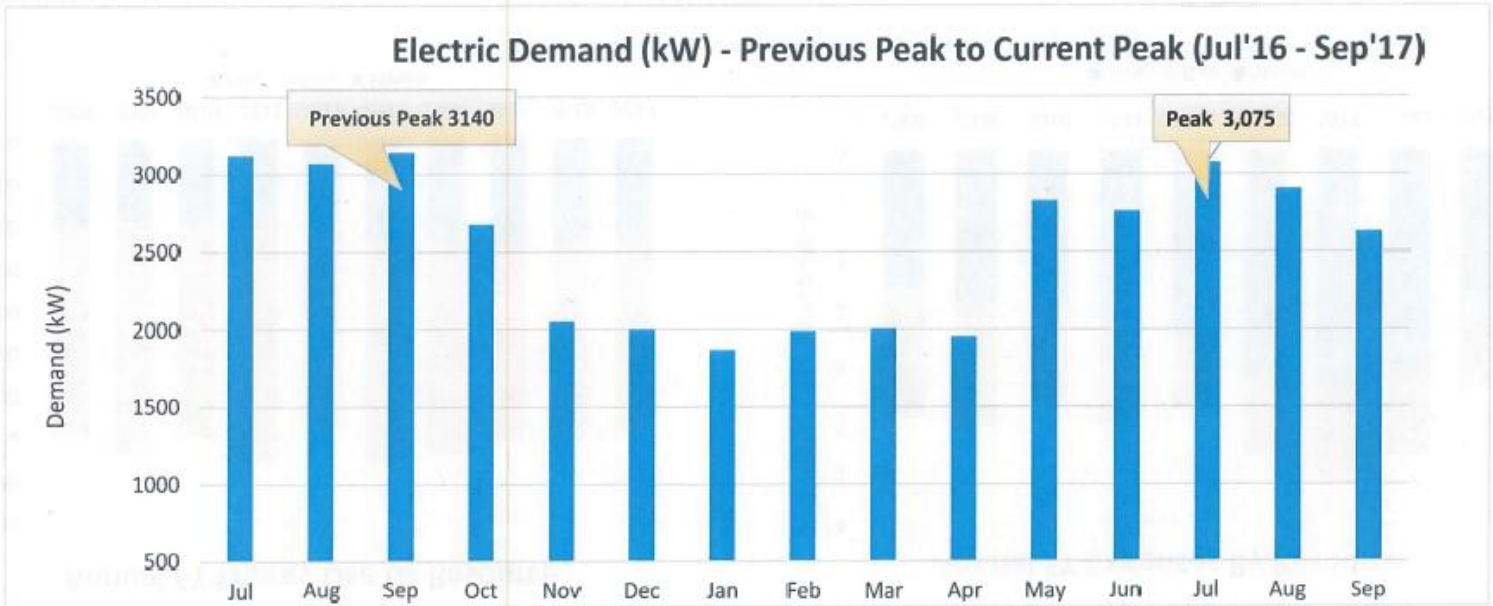
## Annual FY Energy Use By Resource

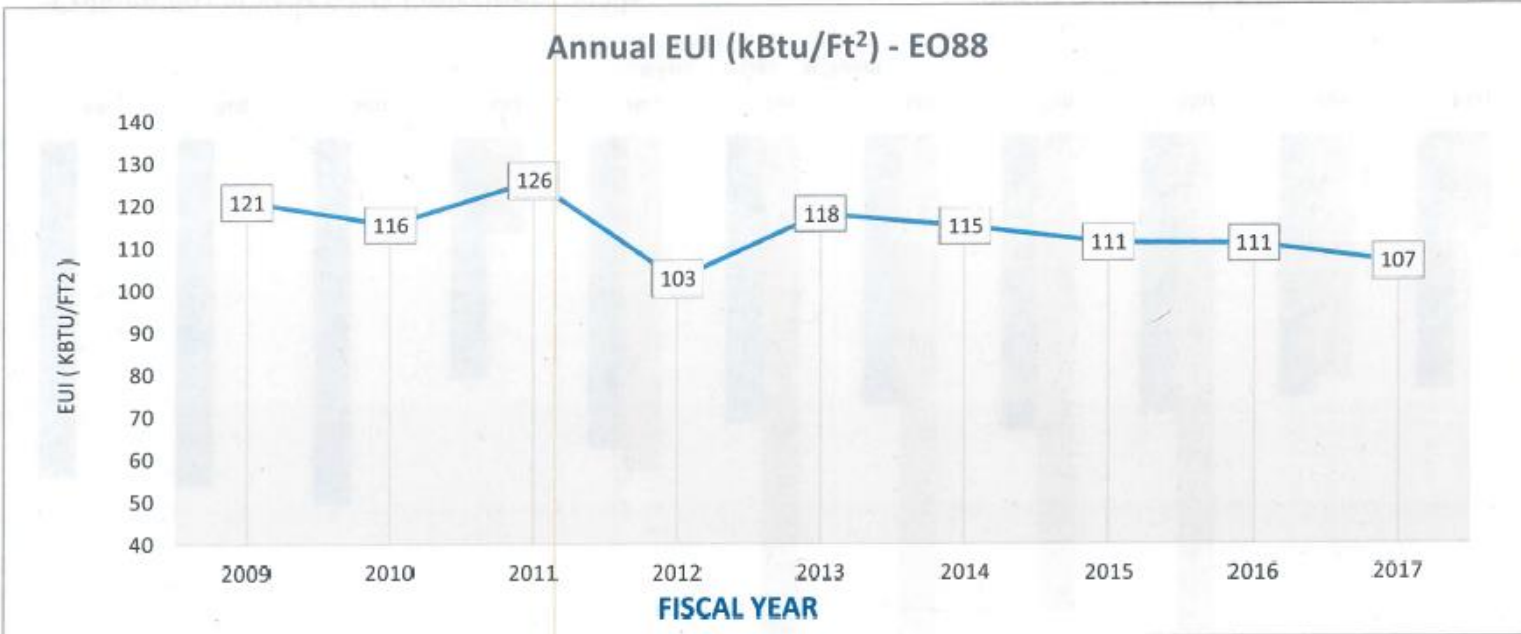
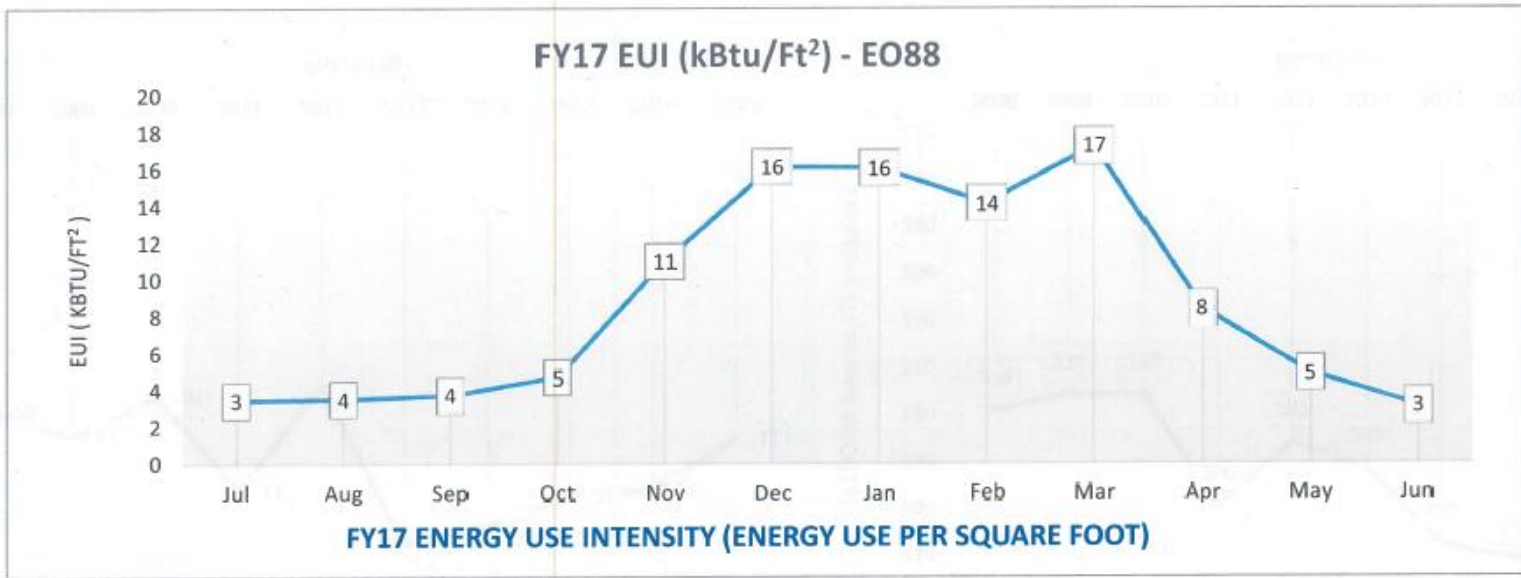


## Annual FY Expenses By Resource

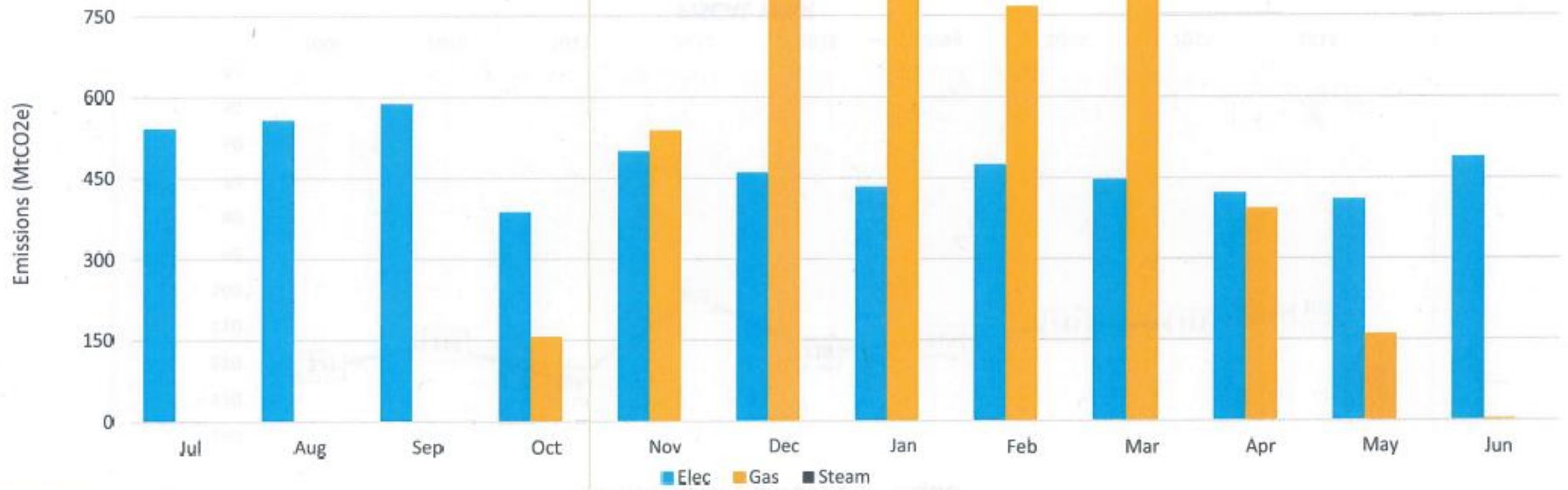




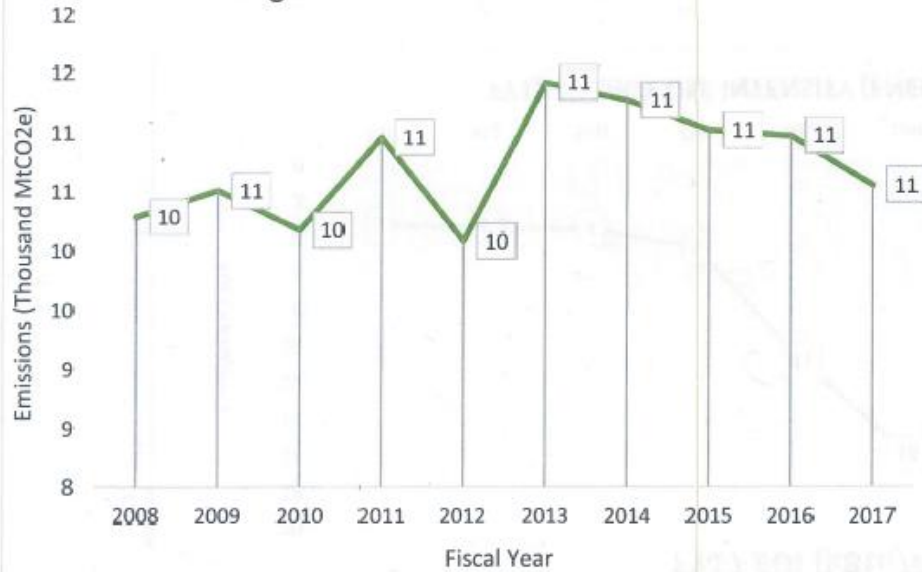




### College FY17 GHG Emissions By Resource



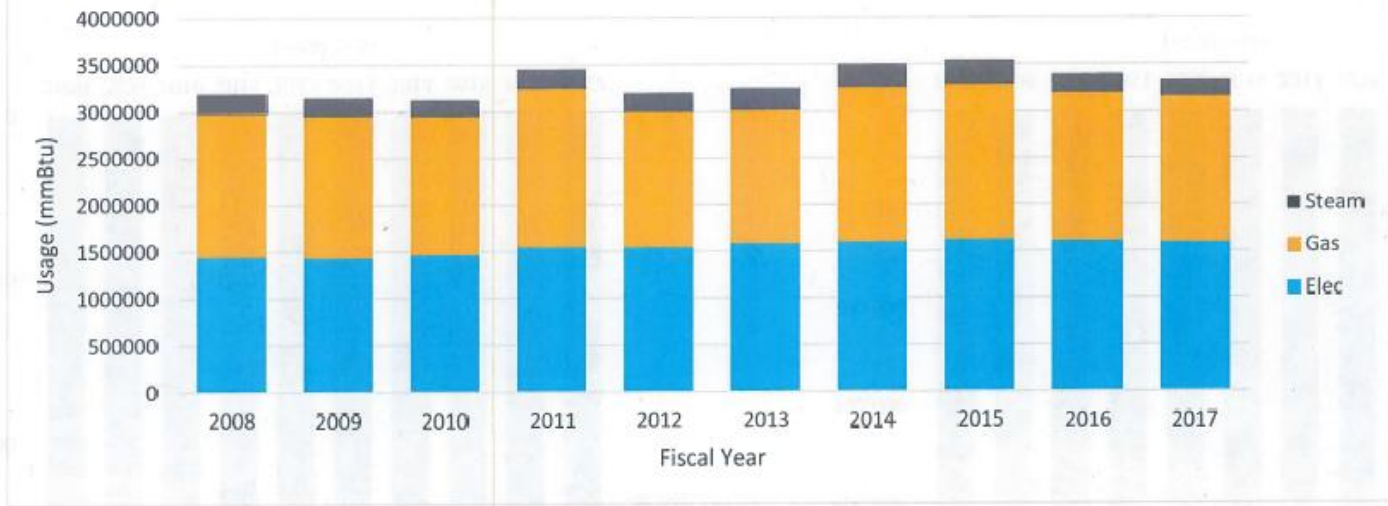
### College Fiscal Year GHG Emissions - EO26



### CUNY Fiscal Year GHG Emissions - EO26



### CUNY Energy Use By Resource



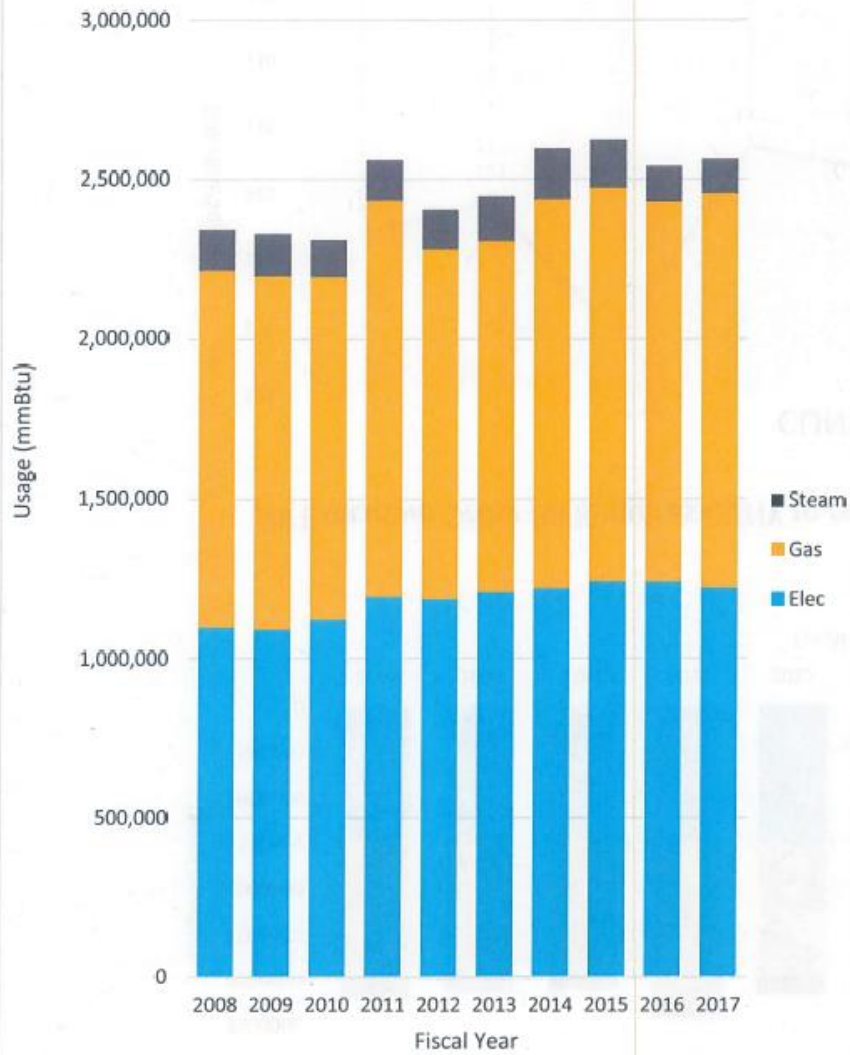
NY Executive Order 88 Requires CUNY to reduce EUI by 22% from an FY11 Baseline



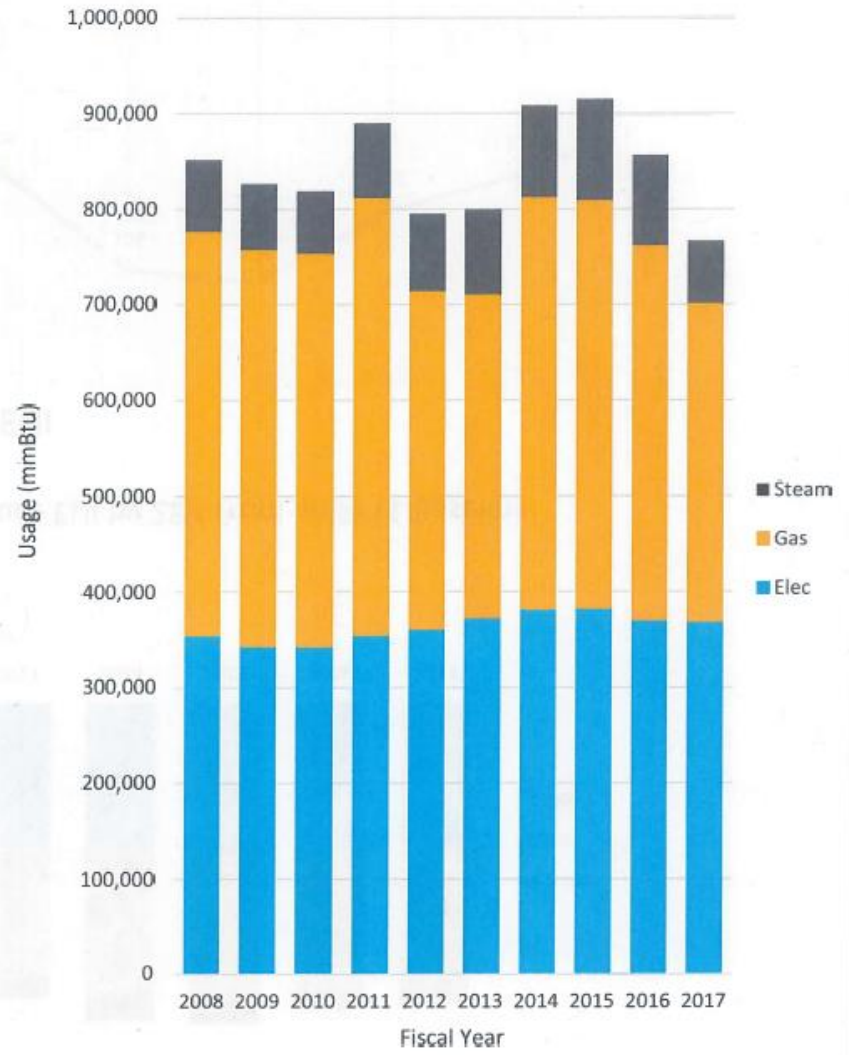


# Senior College and Community College Energy Use by Resource

## Senior College Energy Use By Resource

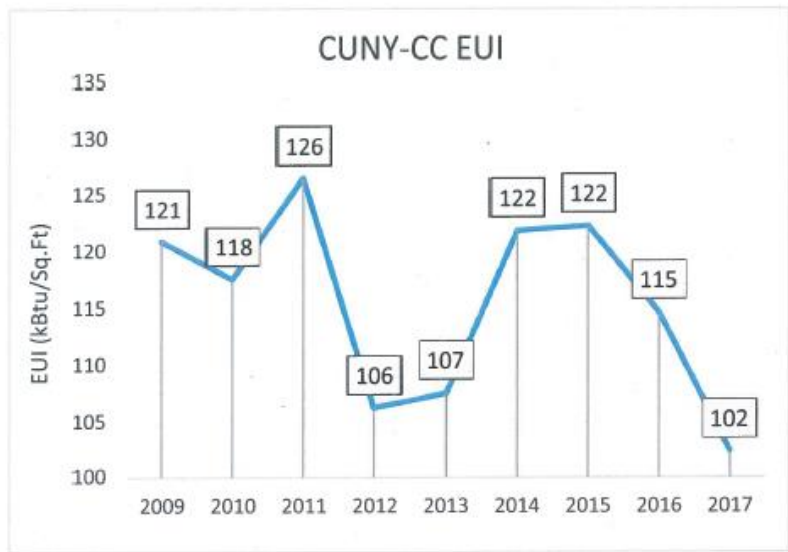
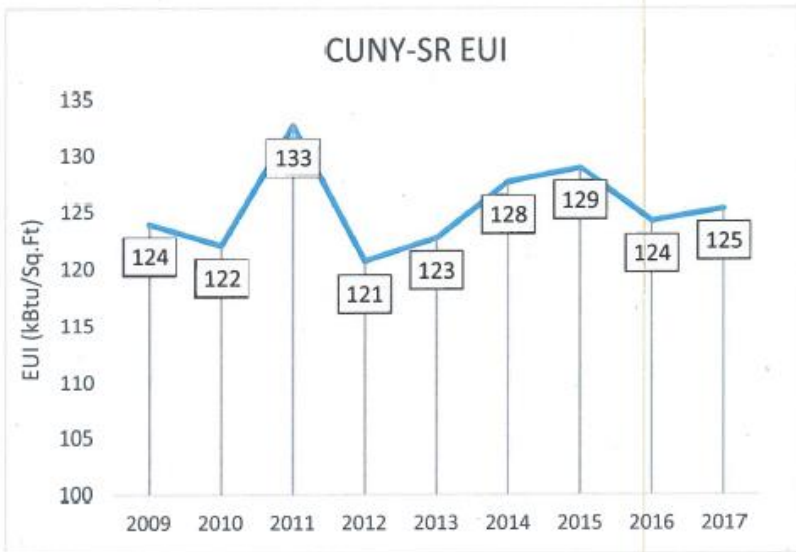


## Community College Energy Use By Resource





## NYS Executive Order 88 Requires CUNY to reduce EUI by 22% from an FY11 Baseline



## NYC Executive Order 26 Requires CUNY to reduce GHG by 35% from an FY06 Baseline by 2025

