University of California Office of the President Climate Action Plan

Our plans to achieve carbon neutrality by 2025

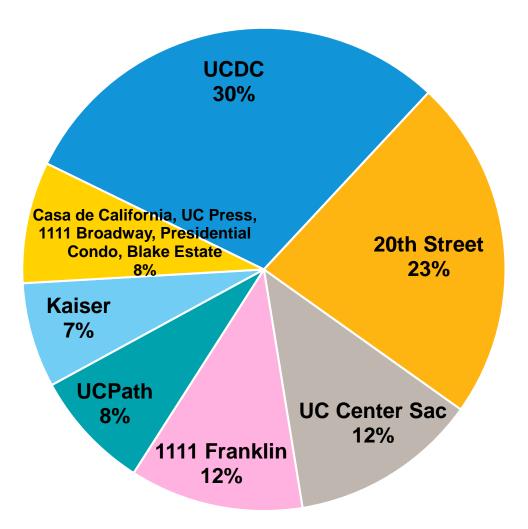
March 19, 2019

UNIVERSITY Carbon Neutrality OF CALIFORNIA Initiative

Where are UCOP's Facilities?



UCOP's Emissions by Building



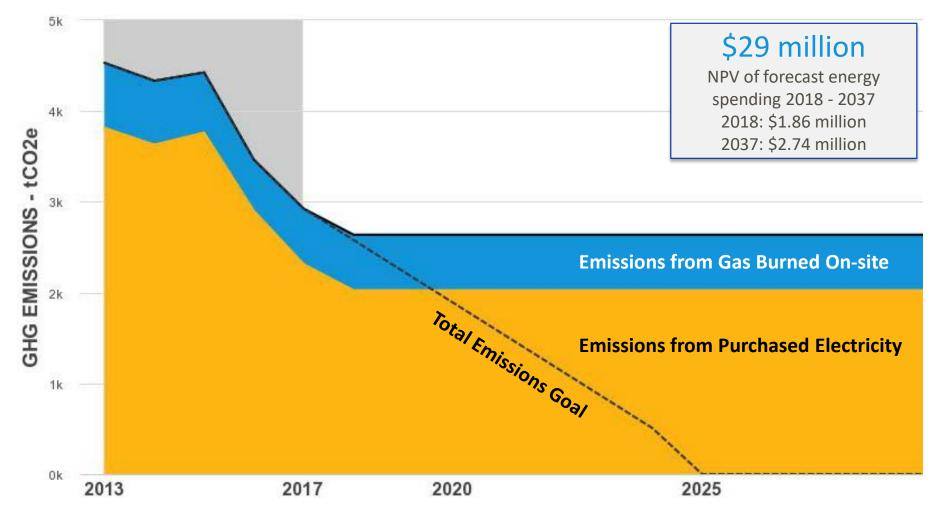
UCOP's emissions are relatively small and 80% from purchased electricity

MTC02e	300,000			
	250,000			
	200,000			
	150,000			
	100,000			
	50,000			
	-			
		UCOP	UCM	UCLA
UCOP's emissions total about 3,000 MTC02e per year				

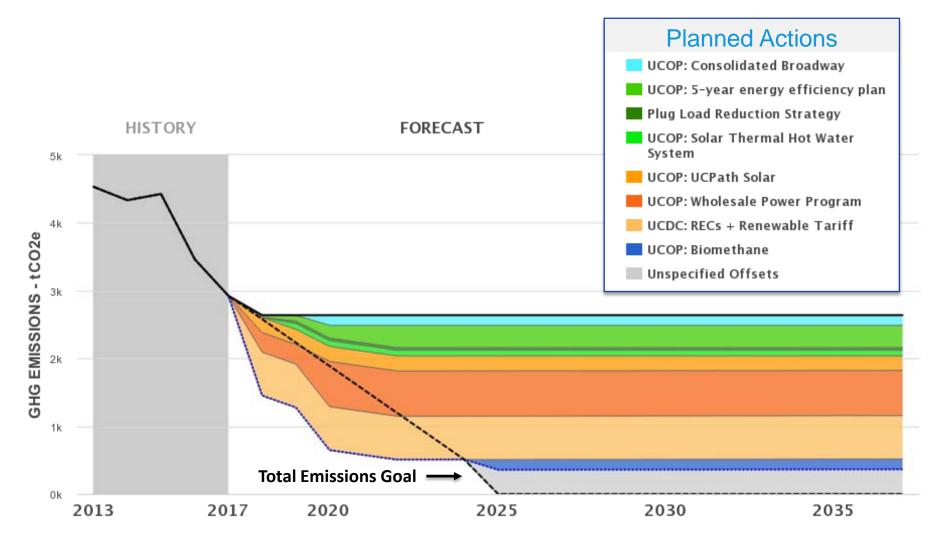
Business-as-usual Emissions and Costs

HISTORY

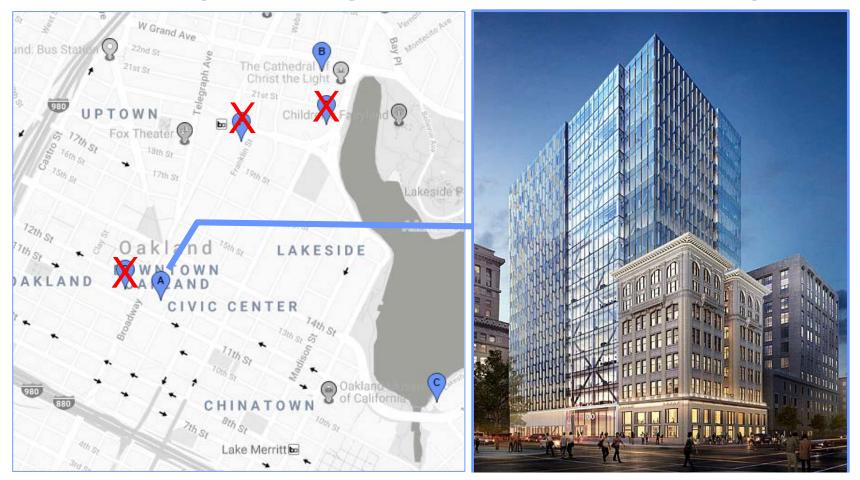
FORECAST



UCOP's Plan to Become Carbon Neutral

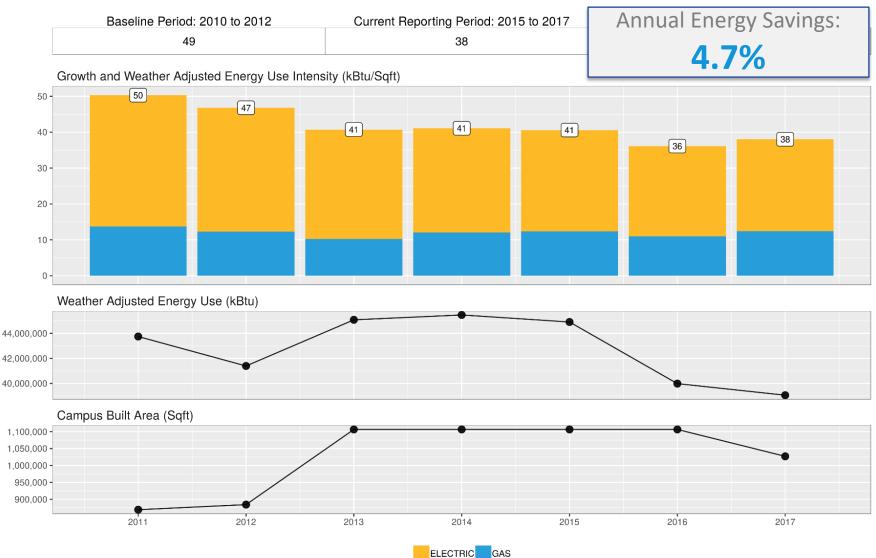


Our plans: Reduce space by 23% and use UC-power



Move from three existing buildings... ...into new 1100 Broadway bldg.

Our actions: Decreased energy use



Our plans: Apply full-throttle energy efficiency





Use tried and true actions: lighting retrofits and smarter HVAC

Our actions: Install on-site renewable generation



New PV system at the UC Path Site in Riverside

Our plans: Add solar thermal to 1111 Franklin

Reducing gas use by 70%



Donated solar thermal panels



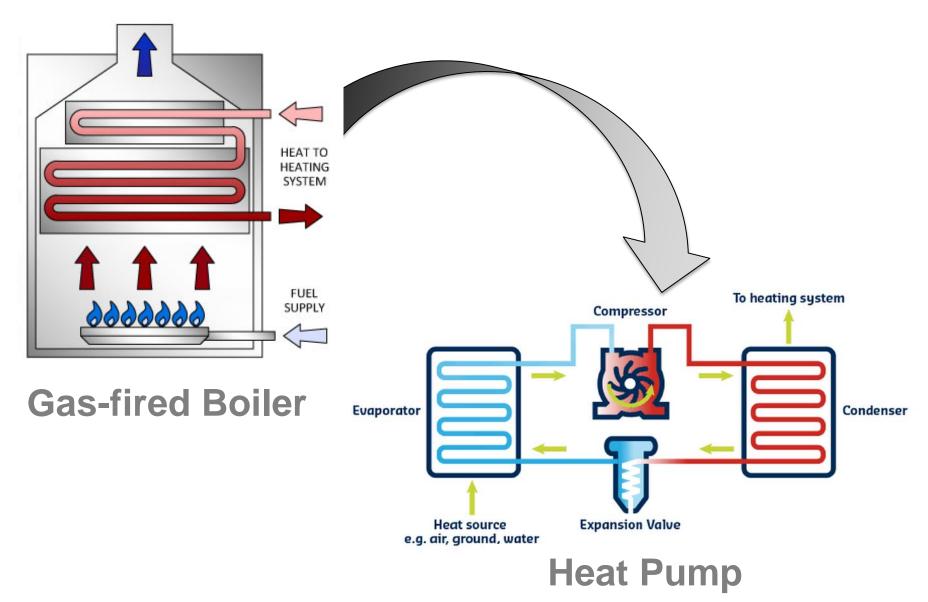
To be installed on roof

Our plans: Use green tariffs or new renewable power purchase agreements

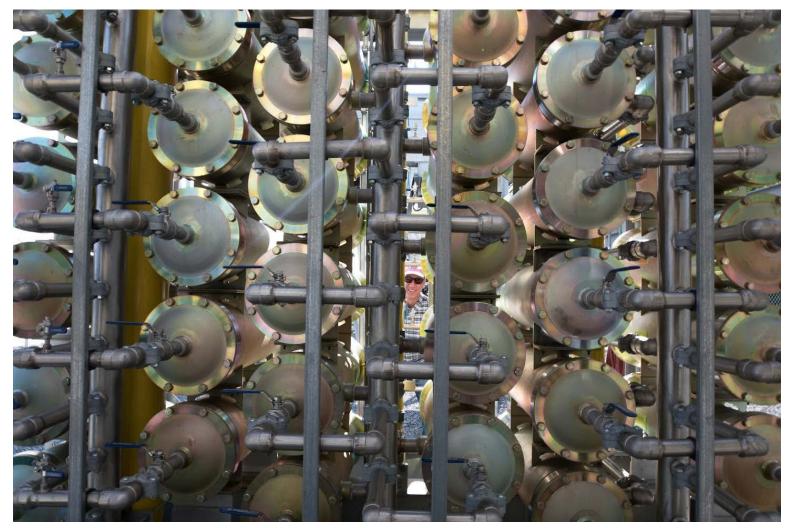


A load-matching renewable energy contract is in place for UCDC

Our plans: electrify over time

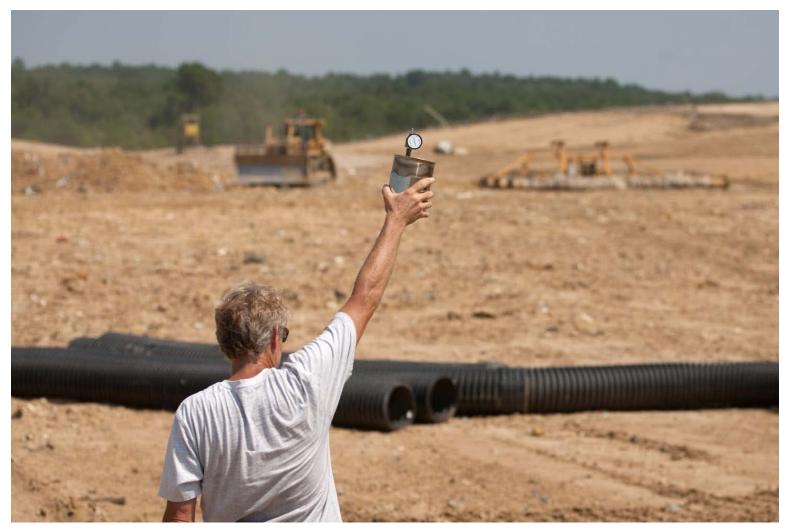


Our plans: Use 95% biogas



Membrane system to remove pollutants from landfill gas

Our plans: Offset remaining emissions



Measuring methane releases from upgraded landfill

Strategies to Reduce Other Emissions



Become the UC leader in teleworking

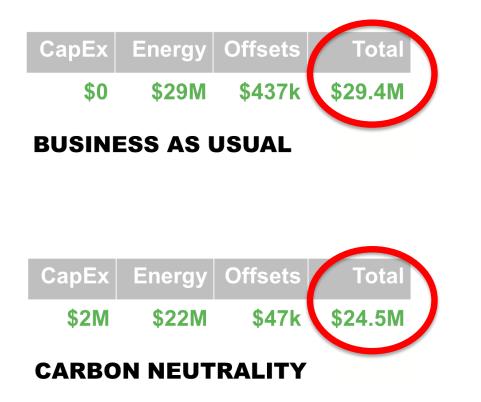


Establish an offset program for air travel



Improve options for alternative transportation

What's this going to cost?



\$4.9M *less* than BAU

(NPV Costs 2018-2037)