

UC San Diego

CLIMATE ACTION PLAN UPDATE MARCH 4, 2020

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CONTEXT: UCSD IS TRANSFORMING

Square Footage

Today

- 15.7M gross square feet (GSF) with another 3.3M GSF under construction or approved

2035-2036

- Adding an additional 8.5M-plus GSF to La Jolla campus
- 26,000 residential beds
- Redesigning Hillcrest downtown medical campus

Population

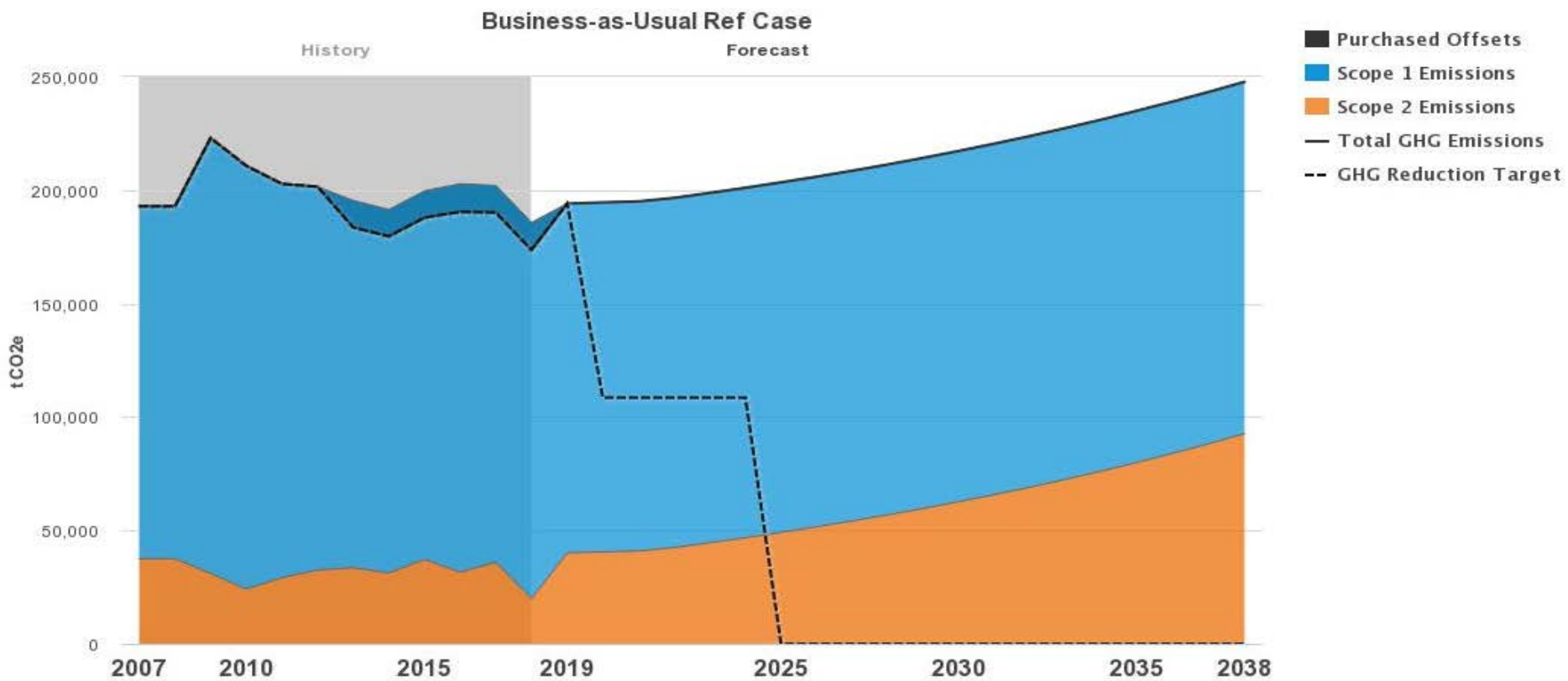
Today

- Over 39,000 students

2035-2036

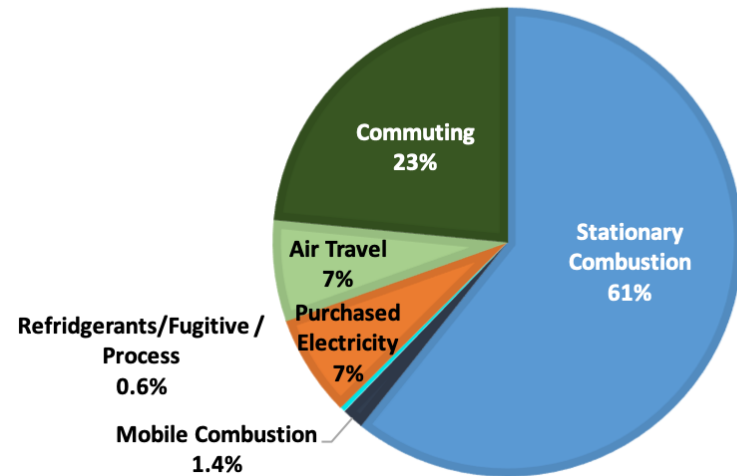
- 42,400 students
- 65,600 students, faculty and staff

BUSINESS AS USUAL REFERENCE CASE

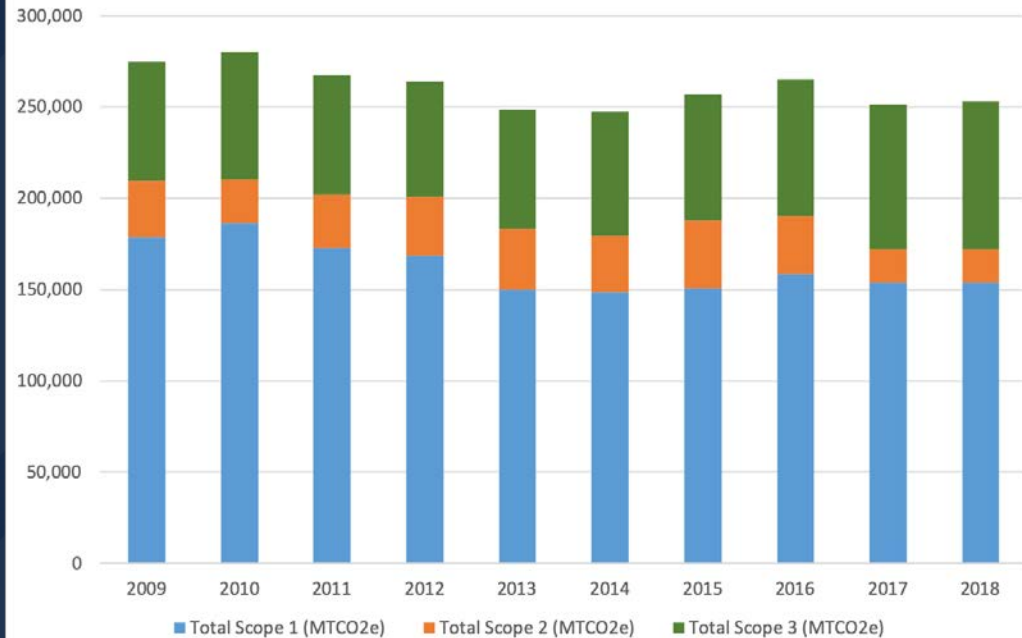


EMISSIONS BY SCOPE & SOURCE

CY18 TOTAL EMISSIONS BY SOURCE

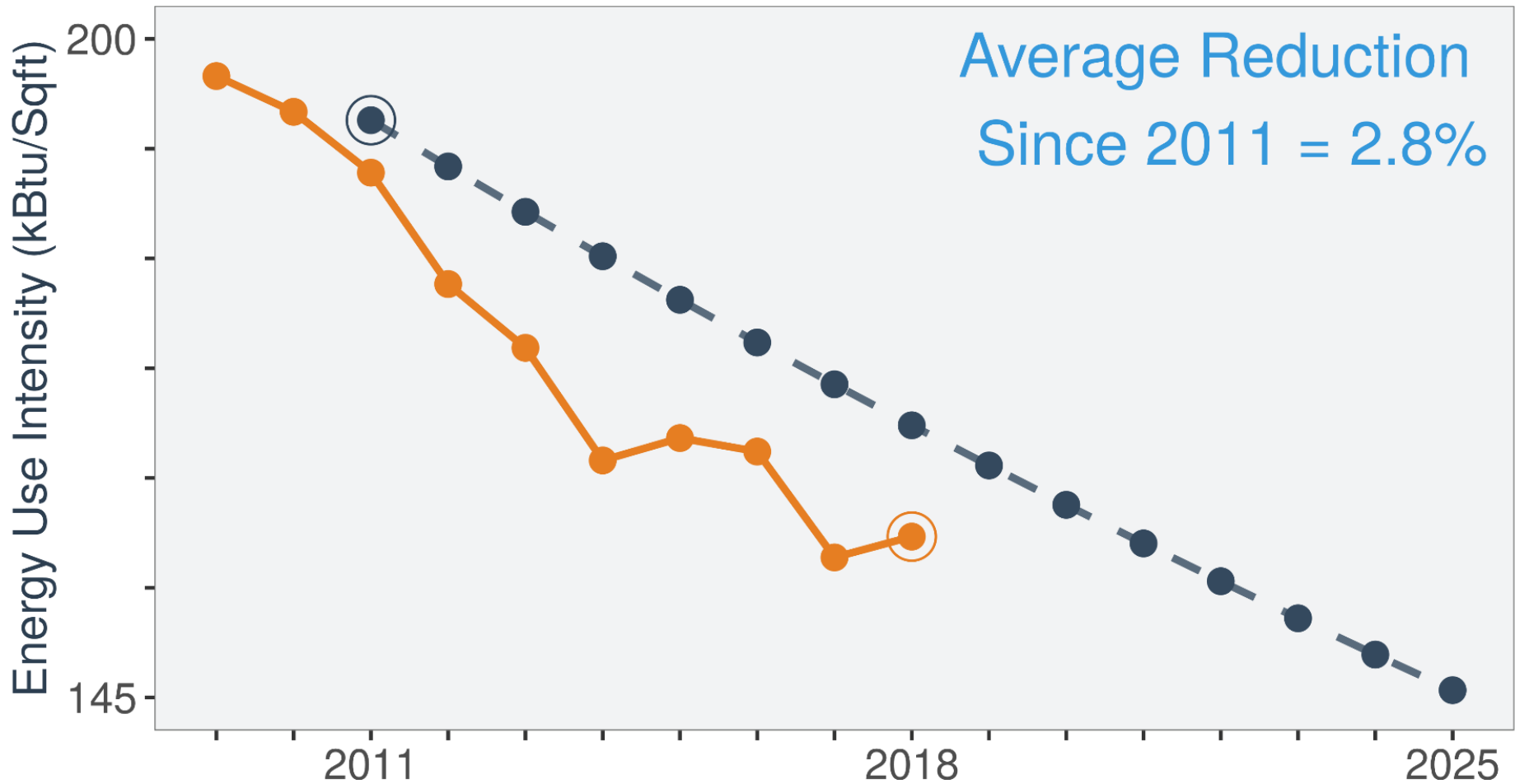


Greenhouse Gas Emissions by Scope



ENERGY USE INTENSITY

UCSD-UCSDH is ahead of the 2% reduction goal



CHALLENGES



Campus transformation

- Adding over 8.5M GSF to main campus
- Hillcrest redesign
- Adding over 4,500 students (60% living on campus)

Funding

- Thinking through best ways to fund all solutions

UPDATES TO THE CAP

- Adjusting energy efficiency spending
- Lowering space utilization improvement projection
- Focusing on three large scale scenarios, with financial comparisons based on high level modeling

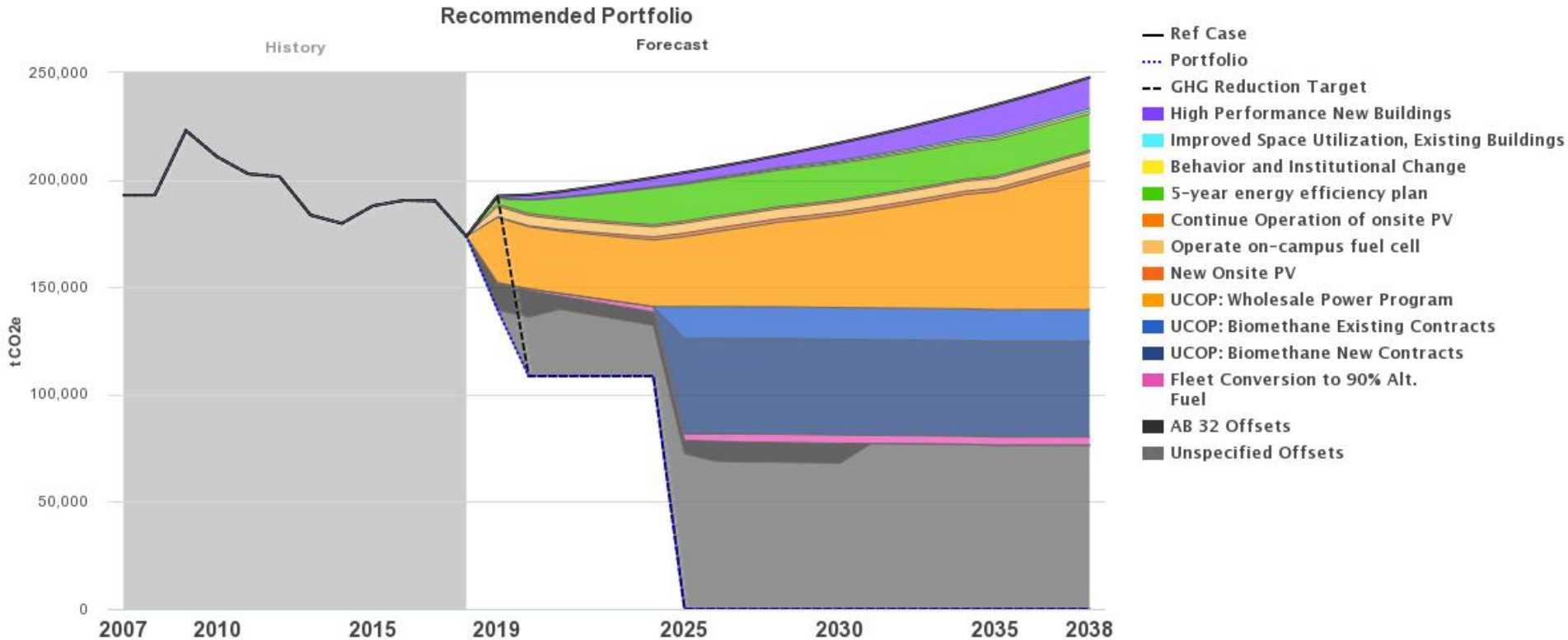


UC SAN DIEGO CLIMATE ACTION PLAN

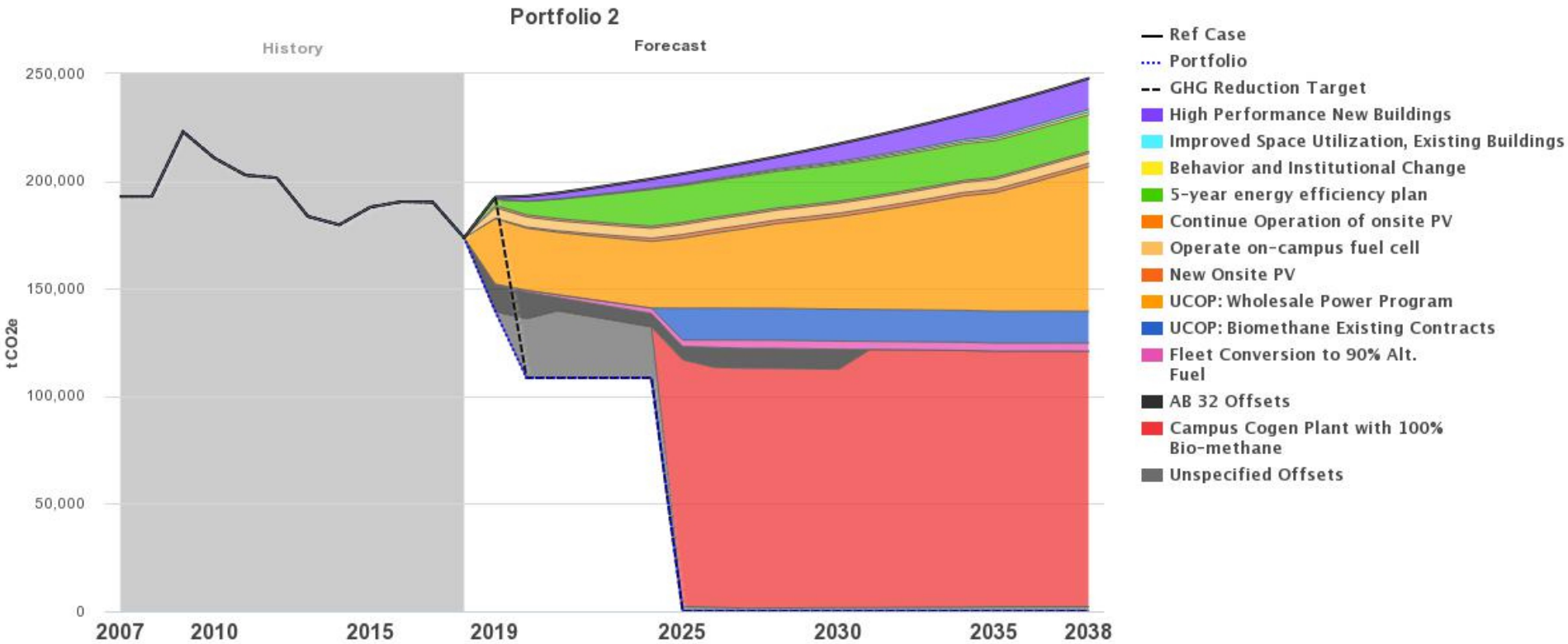
February 2019



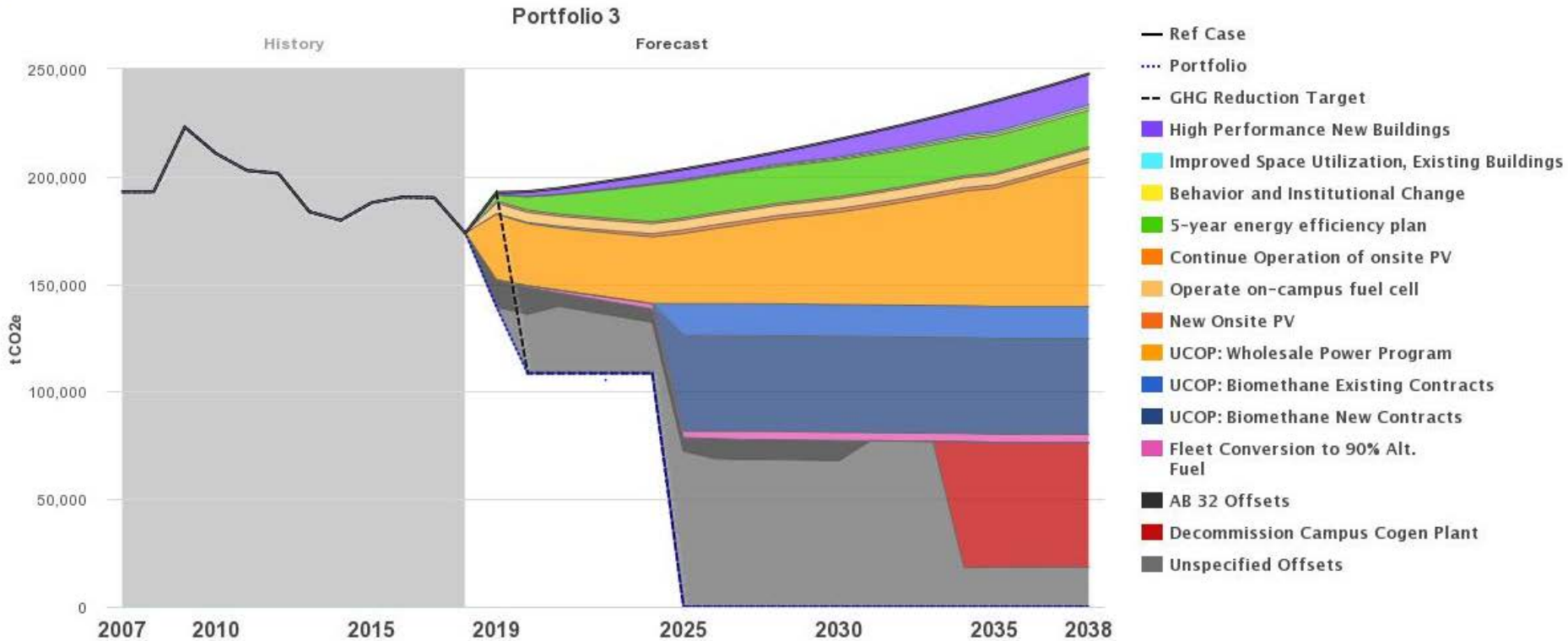
SCENARIO 1: 100% OFFSETS FOR COGEN EMISSIONS



SCENARIO 2: 100% BIOGAS FOR COGEN



SCENARIO 3: DECOMMISSION COGEN



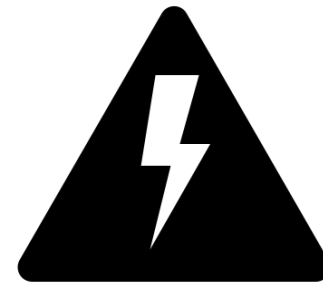
BIG IMPACT SOLUTIONS



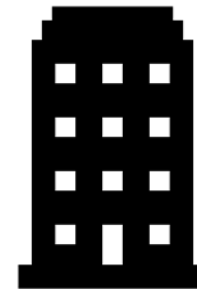
Offsets



Directed biogas



Select electrification &
the UC WPP



Sustainable Building
Policy and Guidelines

**QUESTIONS?
SUSTAIN@UCSD.EDU**

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