

SUSTAINABILITY AND ENERGY CONSERVATION EFFORTS

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SUSTAINABILITY BRIEFING

Recent Awards and Honors:

- ✓ **Southern Association of Colleges and University Business Officers (SACUBO) Best Practice Finalist**
- ✓ **Recyclemania: First Place, Waste Minimization Category (third year in a row)**





SUSTAINABILITY BRIEFING

Recent Awards and Honors:

- ✓ **Second Nature, Climate Leadership Award: One of five finalists in category . . . winner to be announced in May**
- ✓ **Chevrolet Carbon Reduction Project Pilot**
 - ✓ Valencia College and Ball State University are the first two institutions in the nation to do this with Chevrolet
 - ✓ Paying us \$250,000 over three years to purchase our excess carbon credits



SUSTAINABILITY BY-THE-NUMBERS

OVERVIEW OF OUR THREE-PHASED APPROACH

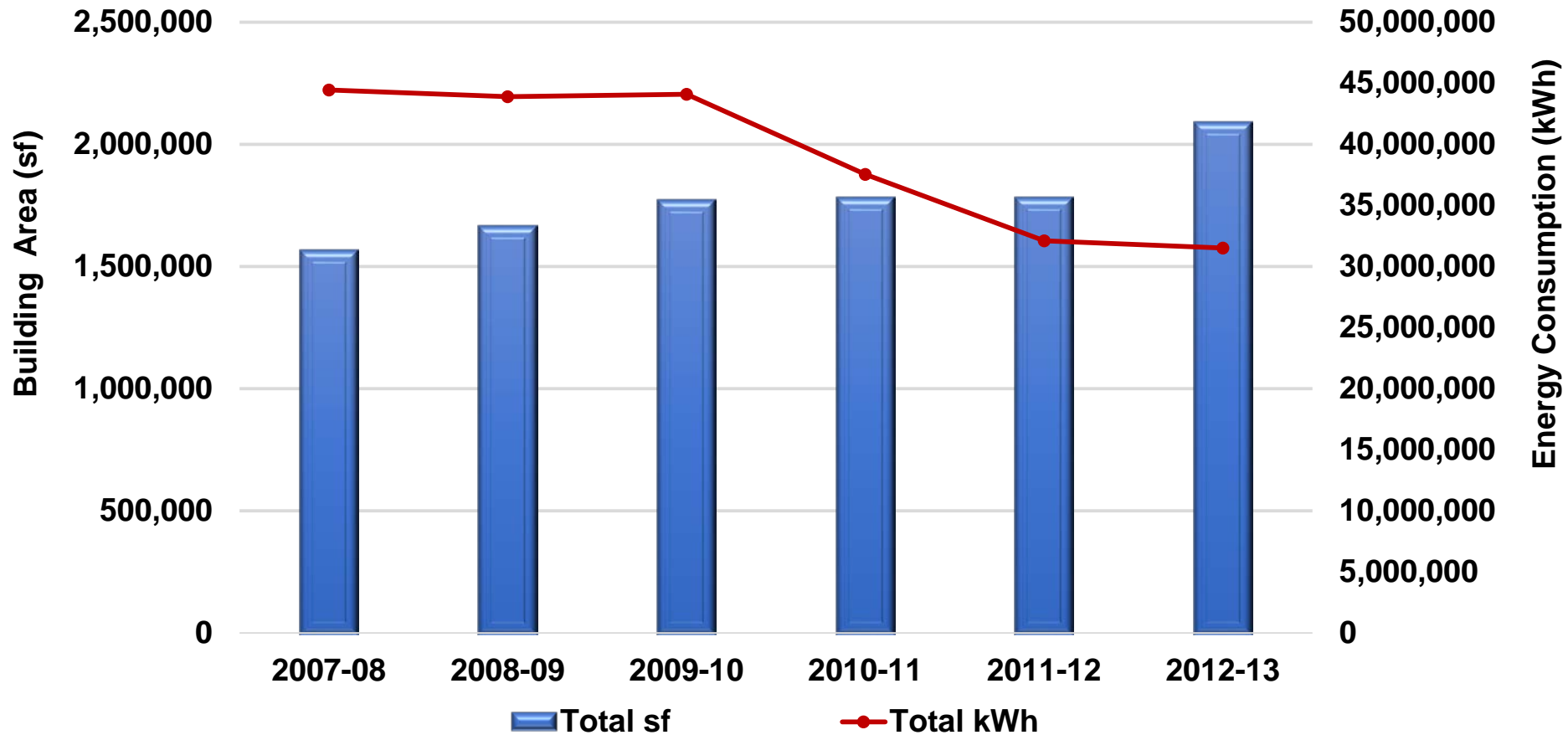
The Three-Phases:

- ✓ Construction of and retrofit for high performing buildings
- ✓ Efficiency upgrades of the central energy plants and system controls
- ✓ Development of better behavioral practices

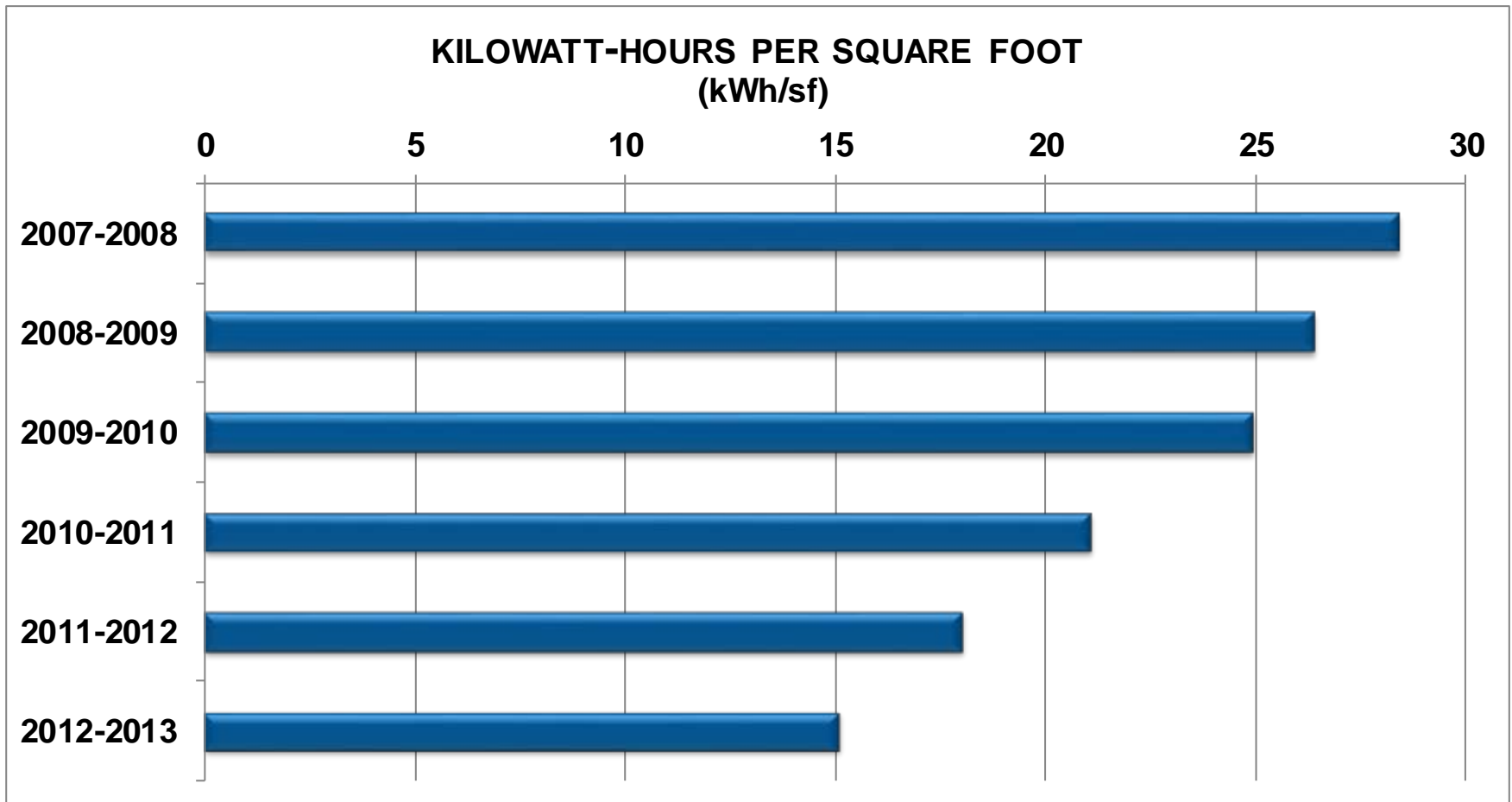


SUSTAINABILITY AND ENERGY MANAGEMENT

BUILDING AREA VS. ENERGY CONSUMPTION



SUSTAINABILITY AND ENERGY MANAGEMENT





SUSTAINABILITY AND ENERGY MANAGEMENT

- ✓ *Valencia has cut energy consumption by nearly 28 million kWh in the last five years while increasing its footprint by over 500,000 square feet.*
- ✓ *Valencia has reduced the kWh usage per square foot by nearly half in five years.*
- ✓ *From a financial standpoint, we saved approximately \$3,000,000 last year alone by making these changes.*



HIGH PERFORMING BUILDINGS

As a result, since 2007 Valencia has completed four buildings certified as LEED Gold and two buildings certified as Three Green Globes



SYSTEM EFFICIENCY UPGRADES

As a consequence, through the sense of mastery and control over the system and by providing the state of the art in central plant functionality and ease of use, our plant operations team has an abundant sense of “ownership” in the system and in their jobs – saving energy while increasing morale and productivity in the process.

OUR FOCUS ON BEHAVIORAL CHANGE

- ✓ Creating a culture of energy conservation across **all campuses**
- ✓ 33 months into behavioral program: more than \$2.4 million in savings
- ✓ Energy consumption reduced:
 - ✓ 22% overall
 - ✓ 13,200 equivalent metric tons of CO₂ reduced
- ✓ On target to reach \$1 million in annual behavioral energy savings in FY 13-14
- ✓ Establishing Valencia College as a leader in energy conservation — locally, statewide and nationally



The image features a white background with a complex, abstract pattern of thin, light gray lines on the left side. These lines form a dense, overlapping web that tapers towards the center. A solid, dark blue horizontal band spans the width of the image, positioned in the middle. The text "Questions and Comments" is centered within this blue band in a white, sans-serif font.

Questions and Comments