



PALOMAR COLLEGE

ENERGY PROJECTS UPDATE WITH COMPASS ENERGY SOLUTIONS

FEBRUARY 4, 2020

LED LIGHTING AND LIGHTING CONTROLS UPGRADES

- Phase 1 – San Marcos main campus exterior/board room interior, Escondido interior and exterior (2014)
- Phase 2 – San Marcos main campus wide interior upgrade, Soccer field pole lighting, RBC parking garage (2018)

HVAC RETROFITS

- Phase 1 – Escondido multiple packaged AC units & heat pumps (2015)
- Phase 2 – NS Boiler retrofit (2016)
- Phase 2 – Rancho Bernardo Center boiler retrofit (2020)

Energy Management System (EMS) district wide

- Phase 1 - NS, H, MD buildings and the Escondido Center (2015)
- Phase 2 – San Marcos remaining buildings (2016)

Solar Photovoltaic (PV) Generation systems

- Escondido Center Parking structures – 151kW AC (2017)
- MD building rooftop – 65kW AC (2017)
- Rancho Bernardo Center – 619kW AC (2018)
- San Marcos Parking Garage – 439kW AC (2020)
- North Education Center – Design stage (2020)

YEAR	ENERGY PROJECT	STIPULATED ANNUAL ENERGY SAVINGS (KWH)
2014	SAN MARCOS AND ESCONDIDO EXTERNAL LED	750,000
2015	ENERGY MANAGEMENT SYSTEM (EMS) UPGRADE & HVAC AT ESCONDIDO	950,000
2016	EMS PHASE 2	455,000
2016	BOILER RETROFIT (NS)	
2017	ESCONDIDO & MD PV	399,000
2018	LED CAMPUS WIDE INTERIOR	1,200,000
2018	RBC PV	900,000
2020	RBC BOILERS	
2020	SAN MARCOS PV	770,000