

1. Assessment Plan - Three Column

PIE - Administrative Services: Facilities - Central Plant

2. Where We Are Now: Year at a Glance

2019-20

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Summary of Notable Achievements: Energy management has collaborated with the Design and Construction team on various construction projects on campus, the Athletics Complex East, Building 26 Renovation, Central Campus Infrastructure, and Buildings 77, 78, 79. Also, worked directly with the maintenance and operations team to identify issues within buildings.

Program Planning (Equity, Retention and Success): n.a.

External and Internal Conditions Analysis: n.a.

Critical Decisions Made by Unit: n.a.

Contributors to the Report: Art Cadena/Gary L. Nellesen

Unit Goals

Resources Needed

1. Where We Make an Impact: Closing the Loop on Goals and Resources

Deliver high quality facilities planning, design, construction, and operational services of campus buildings, infrastructure, and equipment, while providing superior customer service. - Operate clean, safe, functional, and reliable facilities by maximizing predictive, preventative, and scheduled maintenance activities, while responsively meeting ongoing and urgent maintenance requirements. Manage cost of operation by proactively developing standards of care and operating budgets for new

Request - Full Funding Requested - 300,000
Describe Plans & Activities Supported (Justification of Need): A three-year service contract with Aircurity and Zaretsky for on-going maintenance and monitoring of the Aircurity and the Phoenix Controls system.
Lead: Art Cadena
What would success look like and how would you measure it?: Continued functioning flow hoods in all of the Science Buildings.
Type of Request: FACILITIES: This section includes minor building

Reporting Year: 2019-20
% Completed: 50
 Continued request for service contract with Aircurity and Zaretsky for on-going maintenance and monitoring of the Aircurity and Phoenix Controls system. (09/19/2019)

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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<p>facilities coming on line.</p> <p>Status: Active</p> <p>Goal Year(s): 2018-19, 2019-20</p> <p>Goal Entered: 09/19/2019</p>	<p>improvement projects and alterations to specific rooms or operational areas.</p> <p>Planning Unit Priority: High</p> <p>On-Going Funding Requested (if applicable): 300000</p> <p>Request - Full Funding Requested - 100,000</p> <p>Describe Plans & Activities Supported (Justification of Need): Resurface flooring inside the Central Plant building, due to damages created during construction.</p> <p>Lead: Art Cadena</p> <p>What would success look like and how would you measure it?: Newly surfaced floors would create a safe working environment.</p> <p>Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.</p> <p>Planning Unit Priority: Medium</p> <p>One-Time Funding Requested (if applicable): 100000</p>	<p>Reporting Year: 2019-20</p> <p>% Completed: 0</p> <p>On-going request. (09/19/2019)</p>
	<p>Request - Full Funding Requested - 500,000</p> <p>Describe Plans & Activities Supported (Justification of Need): Upgrade the six relays in the Central Plant that help provide electricity from the generators to the campus.</p> <p>Lead: Art Cadena</p> <p>What would success look like and how would you measure it?: Upgraded relays would ensure future photocell integration for the campus.</p> <p>Type of Request: FACILITIES: This section includes minor building</p>	<p>Reporting Year: 2019-20</p> <p>% Completed: 50</p> <p>Work in progress. (09/19/2019)</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High
One-Time Funding Requested (if applicable): 500000

Promote and integrate sustainable facilities, infrastructure, and equipment by implementing principles of the 2018 Educational and Facilities Master Plan, the 2018 Educational and Facilities Master Plan Environmental Impact Report, and the 2018 Climate Action Plan. -

Utilize materials, supplies, vendors, and equipment that align with industry best practices and support the principles of sustainability embraced by the college and enumerated in the Facilities Master Plan, Environmental Impact Report and Climate Action Plan. Expand recycling and waste management practices to align with campus sustainability goals.

Status: Active
Goal Year(s): 2018-19, 2019-20
Goal Entered: 09/19/2019

Improve teamwork at all levels within Facilities Planning and Management -

Engage productively in the planning, design, materials specification, and construction activities for all project types. Collaboratively transition projects from the construction closeout phase to the operations phase within the first year of operations.

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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Status: Active
Goal Year(s): 2018-19, 2019-20
Goal Entered: 09/19/2019

Maintain the Central Plant at 100% capacity. - Improve the Thermal Storage, Cogen and Central Plant logic to optimize efficiency for the campus cooling needs.

Status: Active
Goal Year(s): 2018-19, 2019-20
Goal Entered: 09/19/2019

Report directly on Goal

In Progress - Hire an Automatic Logic Controls contractor that has experience programming Cogen and TES tanks Central Plants. To improve, the programming at the Cogen Central Plant.

Describe Plans & Activities Supported (Justification of Need):

The estimated cost for this work is \$50,000. The college will follow the bid process, receive three proposals and go with the lowest bidder.

Lead: Art Cadena, Energy Services Manager

Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.

Planning Unit Priority: High
One-Time Funding Requested (if applicable): 50000

Reporting Year: 2019-20

% Completed: 0
 \$50,000. Reevaluate the water flow from the central plant to the campus to identify unknown issues within buildings. (08/14/2018)

Reporting Year: 2019-20

% Completed: 100
 Annual contract with Automatic Logic Controls contractor. (09/23/2019)

In Progress - Maintain current documentation of the sequence of operations. Write new operation sequence so anyone can read it and understand how the Central Plant functions.

Describe Plans & Activities Supported (Justification of Need):
 Estimated costs are \$50,000.

Reporting Year: 2019-20

% Completed: 0
 Work with consultant to write operation sequence for the Central Plant. (09/23/2019)

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>1. Where We Make an Impact: Closing the Loop on Goals and Resources</i>
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Lead: Art Cadena, Energy Services Manager
Type of Request: FACILITIES: This section includes minor building improvement projects and alterations to specific rooms or operational areas.
Planning Unit Priority: Medium
One-Time Funding Requested (if applicable): 50000



Chiller One Absorption Chiller - Re-tube chiller
Status: Active
Goal Year(s): 2018-19, 2019-20
Goal Entered: 08/14/2018

Trane, who is the contractor, is currently doing the work.
Describe Plans & Activities Supported (Justification of Need):
 With the absorption chiller, we will be able to save chilled water ton hours by precooling the return water before it enters the Thermal Storage Tank.

Lead: Fernan/Art Cadena
Planning Unit Priority: High

Reporting Year: 2019-20
% Completed: 100
 Work completed. (09/23/2019)