

1. Assessment Plan - Four Column



PIE - Administrative Services: Facilities - Central Plant

Where We Are: Analysis and Summary

2017-18

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<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
<p>Maintain the Central Plant at 100% capacity. - Improve the Thermal Storage, Cogen and Central Plant logic to optimize efficiency for the campus cooling needs.</p> <p>Status: Active</p> <p>Goal Year(s): 2017-18, 2018-19</p> <p>Goal Entered: 07/01/2018</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2017-18</p> <p>% Completed: 50</p> <p>Thermal Storage, Cogen Central Plant programming is a work in progress. Many factors must be concerned and taking into account before this plant can be at 100% capacity. We need to reevaluate all the mechanical and electrical system to incorporate a holistic approach to fine tuning this program. We need to account for the campus as a whole to better optimize electrical cost and meet the needs of our staff and students. (08/14/2018)</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
	<p>Lead: Art Cadena, Energy Services Manager Planning Unit Priority: High 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: Estimated costs are \$50,000. Lead: Art Cadena, Energy Services Manager Planning Unit Priority: High</p>	
<p>Renovate Generator 1 - Replace the heat exchanger on Generator 1 in the Central Building. Status: Active Goal Year(s): 2017-18 Goal Entered: 09/26/2017</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2017-18 % Completed: 100 Installation of new heat exchange wall completed on April of the year 2018. Equipment is working well function within parameters. (08/14/2018)</p>
	<p>Completed - Hire a contractor that has experience working on cogeneration plants. Describe Plans & Activities Supported: Follow the bid process, receive three proposals and go with the lowest bidder. Estimated \$23,333. Lead: Art Cadena, Energy Services Manager Type of Request: Equipment - replacement/upgrade Planning Unit Priority: High</p>	<p>Reporting Year: 2017-18 % Completed: 100 Equipment was installed and function well. (08/14/2018)</p>
	<p>In Progress - Remove the broken heat exchanger and replace with new. Describe Plans & Activities Supported: Estimated \$23,333, to replace the heat exchanger,</p>	<p>Reporting Year: 2017-18 % Completed: 100 Work has been completed. (08/14/2018)</p>

Unit Goals	Resources Needed	Where We Make an Impact: Closing the Loop on Goals and Plans
	<p>including installation. Lead: Art Cadena, Energy Services Manager Type of Request: Equipment - replacement/upgrade Planning Unit Priority: High In Progress - Functional commissioning test to verify that the equipment works properly. Describe Plans & Activities Supported: Estimated \$23,333 for final commissioning work. Lead: Art Cadena, Energy Services Manager Type of Request: Equipment - replacement/upgrade Planning Unit Priority: High</p>	<p>Reporting Year: 2017-18 % Completed: 100 Functional commissioning testing was complete and equipment is work well. (08/14/2018)</p>
<p>Water Treatment - Automate the water treatment for the new TES Tank Status: Active</p>	<p>Report directly on Goal</p>	<p>Reporting Year: 2017-18 % Completed: 100 New Automate water treatment was installed. (08/14/2018)</p>
<p>Goal Year(s): 2017-18 Goal Entered: 09/26/2017</p>	<p>In Progress - Hire US Water to install automated water treatment to the new TES tank open loop chilled water system. Describe Plans & Activities Supported: Estimated \$40,000 to have current contract provider, US Water (five year contract), install the equipment at the central plant. Lead: Art Cadena, Energy Services Manager Type of Request: Technology Equipment - new Planning Unit Priority: High</p>	<p>Reporting Year: 2017-18 % Completed: 100 Installation complete. (08/14/2018)</p>
	<p>In Progress - Commissioning and testing of the new equipment. Describe Plans & Activities Supported: Estimated \$40,000 for</p>	<p>Reporting Year: 2017-18 % Completed: 100 Equipment commissioned and tested. (08/14/2018)</p>

<i>Unit Goals</i>	<i>Resources Needed</i>	<i>Where We Make an Impact: Closing the Loop on Goals and Plans</i>
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field commissioning and testing of the newly installed water treatment automation system.
Lead: Art Cadena, Energy Services Manager.
Planning Unit Priority: High

Generators at the Central Plant -
 Rewind and bake service for generators.
Status: Active
Goal Year(s): 2018-19
Goal Entered: 08/14/2018

Hire contractor to preform service to the generators
Lead: Art Cadena
Planning Unit Priority: High

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

Trane, who is the contractor, is currently doing the work.
Describe Plans & Activities
Supported: 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