SUNY Potsdam
Administrative Unit
Assessment Summary Form

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PURPOSE
This annual assessment summary form provides the opportunity for units to follow-up on their previous assessment work and reports and to highlight actions taken to improve processes and/or efficiencies in functioning that lead to outcomes that benefits students, staff, or the college. These could be process changes or improvements in efficiency, skill level of staff, opportunities for the college, or other aspects over which the unit has a certain amount of control.

SECTION 1: PRIOR YEAR ASSESSMENT PLAN FOLLOW-UP
A key component of the continuous improvement assessment process is following up on prior year assessment plans and reports. Review your prior year plan and report and select one of the desired goals and outcomes to comment on any changes or improvements resulting from actions taken.

Prior Year Assessment Plan – Desired Goal and Outcome(s)
Copy/Paste or enter the goals and outcomes from your prior plan that you wish to highlight and summarize. Also list any relevant results data and planned actions that may have been previously listed.
Goals
3. Reduce energy consumption on campus.

Desired Outcomes/Objectives
A. Lower utility bills.
B. Reduce GHG Emissions
C. Develop energy savings projects
D. Engage students in energy conservation

Assessment Methods and Targets/Measures
A. Using best technology to enhance equipment replaced during capital project upgrades. Achieve SUNY energy reduction goal of 30%.
B. Using CHP to reduce GHG emissions by 50% when operating. Lower energy usage will translate to lower GHG emissions.

C. Lower energy usage on an annual basis as indicated on utility bills.

D. Create informational flyer and promote energy reduction competitions in conjunction with sustainability

Based on the outcomes, collected data/results, and planned actions, please describe what specific actions were taken and the resulting impact, if any.

Many energy upgrade projects were designed and completed in the 21/22 fiscal year, below you will see a list.

- **Maxcy LED lighting upgrade: Annual kWh savings 50,499kWh, Electrical cost savings $5,050, greenhouse gas reduction 55,548.9 lbs. CO2.**
- **Thatcher VFD Install: Annual kWh savings 15,590 kWh, Electrical cost savings $935, greenhouse gas reduction 17,149 lbs. CO2.**
- **Barrington Drive LED upgrade: Annual kWh savings 95002 kWh, Electrical cost savings $9,500, greenhouse gas reduction 104,502 lbs. CO2.**

For all these projects SUNY Potsdam worked with National Grid and applied for incentives which we received a total of $8,948. Total cost of these projects was $11,639.

Due to the change in electrical usage, the contract between SUNY Potsdam and National Grid was changed. This will save the college an estimated $55,000 annually.

On Sustainability Day 2021 SUNY Potsdam dedicated its first Ducted Wind Turbine on campus. This turbine was designed to be highly efficient and give SUNY Potsdam students the opportunity for hands on learning about clean energy. This Ducted Wind Turbine will produce 3,500 watts that will help reduce electrical cost to the HEARTH building on campus. This project was fully paid for from incentives through the National Grid Energy Efficiency program.

SUNY Potsdam has begun a Clean Energy Master Plan (CEMP), this project will complete an energy audit of all buildings on campus. After the audits are completed a road map will be created that will focus its attention on large scale energy projects that will help the campus reach a 40% energy reduction by 2030 and an 85% reduction by 2050.

SECTION 2: ADDITIONAL ASSESSMENT HIGHLIGHTS (optional)

Assessment activity can take place that is not directly tied to previously submitted plans and reports. Please use this space to share any assessment success stories from this past year. What did you assess and how? What were the results? What did you learn from it and do as a result?