

# Atlas Zero Waste Program Stage 2

USF SGEF Competitive Grant Proposal

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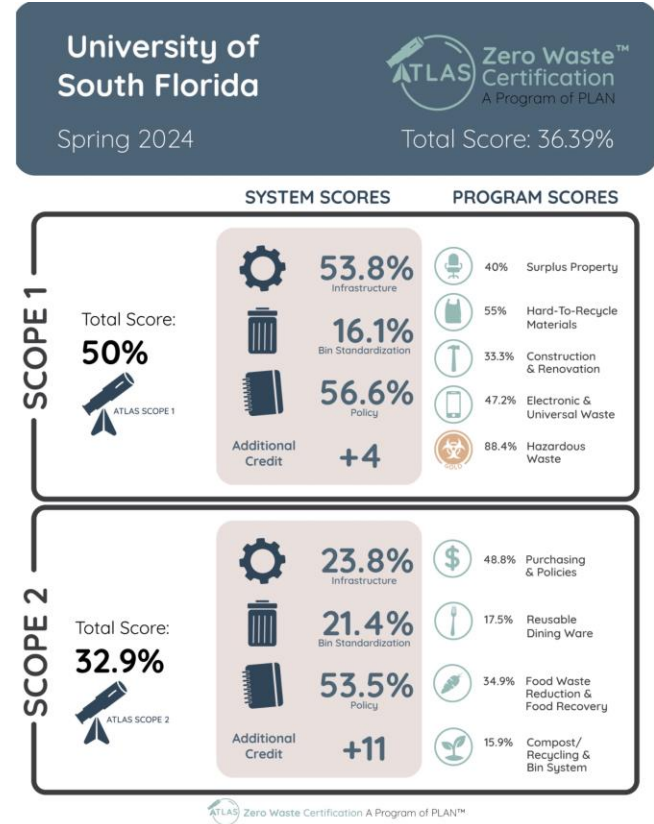
UNIVERSITY of  
**SOUTH FLORIDA**

# Stage 1 Results

This project came to fruition after years of ongoing student observation and data collection that revealed USF's ineffective waste reduction and disposal system that prevents it from achieving its sustainability goals.

Last spring, I completed Stage 1 of the Atlas Zero Waste Program with the grant I received from the SGEF.

The Stage 1 Report is almost finalized. Here is the scorecard and reverse program scoresheet, which are included in the report and provide a summary of findings.



# Stage 1 Results

	Points Earned	Points Possible	Points Remaining	% of Scope Score*	% of Total Score*
<b>Scope 1: Surplus Property &amp; HRM</b>	<b>439.5</b>	<b>894</b>	<b>454.5</b>	<b>50.84%</b>	<b>10.32%</b>
<b>Surplus Property</b>	<b>103.5</b>	<b>259</b>	<b>155.5</b>	<b>60.04%</b>	<b>3.53%</b>
Surplus Program Policies & Communication	25.5	60	34.5	3.86%	0.78%
Surplus Program & Managed Materials	52	122	70	7.83%	1.59%
Reuse & Repair of Departmental Surplus Items	17	29	12	1.34%	0.27%
Reuse & Sharing of Student Items	9	48	39	4.36%	0.89%
<b>Hard to Recycle Materials (HRM)</b>	<b>193.5</b>	<b>352</b>	<b>158.5</b>	<b>45.03%</b>	<b>3.60%</b>
HRM from Specialized Facilities	180	294	114	12.75%	2.59%
HRM Aggregation & Collection Point Accessibility	13.5	58	44.5	4.98%	1.01%
<b>Construction &amp; Renovation</b>	<b>21</b>	<b>63</b>	<b>42</b>	<b>66.67%</b>	<b>0.95%</b>
Construction & Renovation Policies	21	63	42	4.70%	0.95%
<b>Electronic Waste</b>	<b>83.5</b>	<b>177</b>	<b>93.5</b>	<b>52.82%</b>	<b>2.12%</b>
Policy Requiring Staff to Send E-Waste to Surplus/Recycling	24	24	0	0.00%	0.00%
Procurement Policies for Purchase, Takeback & Recycling	12	21	9	1.01%	0.20%
Electronics Repair & Recycling	39	80	41	4.59%	0.93%
E-Waste Collection Infrastructure	8.5	52	43.5	4.87%	0.99%
<b>Hazardous Materials</b>	<b>38</b>	<b>43</b>	<b>5</b>	<b>11.63%</b>	<b>0.11%</b>
Hazardous Waste Collection & Management	38	43	5	0.56%	0.11%

\*This represents the maximum % boost to the Scope Score or Total Score

KEY to Colorcoding
<b>HIGH PRIORITY:</b> ≥3.0% of total points remaining
<b>MED PRIORITY:</b> 1.0-2.9% of total points remaining
<b>LOW PRIORITY:</b> ≤1.0% of total points remaining

<b>Scope 2: Compost, Food, and Plastics</b>	<b>1147.25</b>	<b>3511</b>	<b>2363.75</b>	<b>67.32%</b>	<b>53.66%</b>
<b>Purchasing &amp; Policies</b>	<b>712.5</b>	<b>1461</b>	<b>748.5</b>	<b>21.32%</b>	<b>16.99%</b>
Adherence to Campus Procurement Policies	358.5	567	208.5	5.94%	4.73%
Policies That Favor Bulk Products Over Single-Use	280.5	623	342.5	9.76%	7.78%
Institutionalizing Zero Waste Goals & Plans	10.5	105	94.5	2.69%	2.15%
Paper Reduction & Reuse Initiatives	63	166	103	2.93%	2.34%
<b>Compost/Recycling &amp; Bin System</b>	<b>124.75</b>	<b>784</b>	<b>659.25</b>	<b>18.78%</b>	<b>14.97%</b>
Composting Program	0	155	155	3.85%	3.06%
Compostable Dining Ware & Disposables	17	407	390	11.11%	8.85%
Bin Standardization	35.25	142	106.75	3.04%	2.42%
Recycling	72.5	100	27.5	0.78%	0.62%
<b>Reusable Dining and To-Go Ware</b>	<b>152.5</b>	<b>757</b>	<b>624.5</b>	<b>17.79%</b>	<b>14.18%</b>
Accessibility Policy	32	45	11	0.31%	0.25%
Reusable Dining Ware at Sit-Down Eateries	45	185	142	4.04%	3.22%
Reusable To-Go Ware Program	14.5	361	346.5	9.87%	7.87%
Hydration Station Availability	40	88	48	1.37%	1.09%
BYO Program	0	32	32	0.91%	0.73%
Collection Locations for To-Go Ware	3	48	45	1.28%	1.02%
<b>Food Waste Reduction &amp; Food Recovery</b>	<b>177.5</b>	<b>509</b>	<b>331.5</b>	<b>9.44%</b>	<b>7.53%</b>
Food Recovery Program	29	225	196	5.58%	4.45%
Food Waste Reduction Initiatives & Education	148.5	284	155.5	3.86%	3.08%

<b>Additional Credit</b>	<b>15</b>	<b>492</b>
Additional Credit - Surplus Sharing Initiatives	0	4
Additional Credit - Hard-to-Recycle Material	0	24
Additional Credit - Hard Goods Reuse	4	9
Additional Credit - Reusable Dishware, To-Go Ware, BYO	0.5	359.5
Additional Credit - Food Recovery & Waste Minimization	0	1
Additional Credit - Compost	0	22
Additional Credit - Education	10.5	36
Additional Credit - Soft Goods Policies	0	1
Additional Credit - Liquid Collection	0	35.5

# Full Program Timeline and Total Cost

Stage 1   Perform a Holistic Campus-Wide Assessment	Stage 2   Establish a Campus-Wide Strategic Vision	Stage 3   Create a Zero Waste Action Plan
<ul style="list-style-type: none"> <li>Establish a baseline to assess institutional gaps</li> <li>Lays the foundation for institutional goal setting and the ability to benchmark and track progress</li> </ul>	<ul style="list-style-type: none"> <li>Visioning allows stakeholders to engage with possible long-term solutions without the limitations of current systems, logistics, staffing and budgets</li> <li>Create research questions that need to be answered in Stage 3 (quantities, costs, etc)</li> </ul>	<ul style="list-style-type: none"> <li>Fill in specific details: implementation strategy, cross-departmental collaboration and management, cost of implementation, expected timeline of implementation</li> <li>Develop comprehensive ROI analysis of each project</li> </ul>
<p><b>1 Semester</b> (10-14 weeks) \$5,220</p>	<p><b>2 Semesters</b> (6-8 months) \$12,831</p>	<p><b>2 Semesters</b> (6-8 months) \$16,854</p>

Costs include Program Fees, stipends for a 2nd student fellow that starts halfway through Stage 2, a campus visit in Stage 3, and the 6% Admin Fee

# Stage 2

Goal: Establish a campus-wide strategic vision.

Semester 1: Engage with campus stakeholders to envision possible long-term solutions without the limitations of current systems, logistics, staffing, and budgets. This process includes an orientation, facilitated scope-specific visioning sessions, direct stakeholder outreach, creation of the Strategic Vision draft, and review of the Strategic Vision draft by stakeholders.

Semester 2: Create research questions that need to be answered in Stage 3. Determine what factors the university must consider to accomplish the ideas outlined in the Strategic Vision. Interact with individual stakeholders to gain insight on the details of our campus systems.

Deliverable: USF Strategic Vision document that will be discussed with university administration prior to Stage 3.

# Additional Fellow

- The Atlas Zero Waste Program is rarely completed with one fellow. Additional help is needed for Stage 2.
- Adding another fellow increases student engagement and provides me with a mentee to whom I can pass this project.
- A student salary of \$2,405 is needed to cover the \$13/hr for 10 hours per week over 18.5 weeks.
- The fellow will start orientation November 12<sup>th</sup> and finish December 6<sup>th</sup>. After winter break, the fellow will begin their work for Stage 2 on January 13<sup>th</sup> and finish on May 2<sup>nd</sup>.

# SGEF Charter Alignment

- Proposals must align with the university's commitment to the reduction of greenhouse gas emissions, **waste**, and/or energy costs\*
- Address reductions in greenhouse gas emissions, energy consumption, water usage, and/or **resource sustainability** on the USF Tampa Campus\*
- All proposed competitive grants over \$5,000 must have **immediate application** (i.e., should not be “pure” research) - The Stage 2 deliverable is a Campus Strategic Vision that will be shared with administration and departmental stakeholders. Every campus that has completed Stages 1-3 have demonstrated a ROI from the deliberate implementation that this program helps facilitate.

\*Zero waste also concerns GHG emissions, energy, and water usage.

All other required and recommended criteria have been met.

# Funding

Item	Source of Item (Website/Vendor Name)	Item Description	Cost Per Item	Quantity	Total SGEF Cost
<b>Materials, Supplies, Promotional Items and Services</b>					
Atlas Stage 2					9,700
					0
					0
<b>Total</b>					<b>9,700</b>
<b>Labor/Personnel, Stipend, Rentals, Travel, etc.</b>					
Additional Fellow		SGEF/RMD Hire			2,405
					0
					0
					0
<b>Total</b>					<b>2,405</b>
<b>Other Costs (Indicate any other recurring fees such as equipment service fees, returns, etc.)</b>					
					0
					0
					0
					0
					0
					0
<b>Total</b>					<b>0</b>
<b>Total Direct Costs</b>					<b>12,105</b>
<b>Administrative Fee (6%)</b>					<b>726</b>
<b>Total Project Costs</b>					<b>12,831</b>

Note: I will be paid by Facilities Management Planning through my internship. No additional funding is needed.



# STUDENTS

PLAN welcomes **students** at every level of experience into our network and supports them in making concrete changes on their campuses.

PLAN trains students to effectively navigate and impact their campus.

PLAN fosters mutual inspiration between students and partners.

**PLAN supports the Student-Led Zero Waste Movement**

PLAN works within **colleges and universities** to emulate zero waste systems, spread awareness on the impacts of the Linear Consumption Economy, and hold the campus accountable to their waste.

PLAN provides collaborative opportunities for education about zero waste systems.

PLAN builds relationships with a wide variety of **movement partners** working toward zero waste to illustrate the many points of intervention in systemic change.

# CAMPUSES

# PARTNERS

**Thank you!**

