## Sustainability Action Plan

**2017**

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Goal</th>
<th>Overall Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goal</td>
<td>Sustainability incorporated in all aspects and decision making processes of the institution - UNC Wilmington recognized as a leader &amp; innovator in sustainability in higher education</td>
<td></td>
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<tr>
<td>Performance Measure</td>
<td>Association for Advancement of Sustainability in Higher Education (AASHE) Sustainability Tracking and Assessment Rating System (STARS) score</td>
<td></td>
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<tr>
<td>Aspirational</td>
<td>By 2024 achieve AASHE STARS Gold score. By 2028 achieve AASHE STARS Platinum score</td>
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<tr>
<td>Short-Term</td>
<td>By 2017 exceed the average AASHE STARS score of peer &amp; sister institutions</td>
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### Objectives

<table>
<thead>
<tr>
<th>Priority Strategies</th>
<th>Coordination &amp; Governance</th>
<th>Measure &amp; Report Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority Actions</td>
<td>Publicize the UNC-GA sustainability policy. Increase collaboration with non-traditional organizations.</td>
<td>Track and report key performance measures for Greenhouse Gas inventory. Use AASHE STARS framework to perform comprehensive sustainability assessment.</td>
</tr>
<tr>
<td>Future Actions</td>
<td>Incorporate sustainability into the strategic planning of the university.</td>
<td>Improve STARS score by at least 5 points annually.</td>
</tr>
</tbody>
</table>

#### Alignment with Other Plans and Policies

- **UNCW 2016-21 Strategic Plan**: STARS, UNC-GA Sustainability Policy 600.6.1
- **Responsibility**: Sustainability Council

### Category: Coordination, Planning & Governance

<table>
<thead>
<tr>
<th>Aspect</th>
<th>Goal</th>
<th>Performance Measure</th>
<th>Aspirational</th>
<th>短期目标</th>
<th>措施</th>
<th>未来行动</th>
<th>对齐其他计划和政策</th>
<th>责任</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program Capacity</td>
<td>Provide financial resources necessary to support a sustainability program that is recognized as a leader</td>
<td>Spending on sustainability initiatives per FTE</td>
<td>By 2020 secure $100,000 in order to create Sustainability Office to coordinate campus wide sustainability efforts</td>
<td>Promote the Sustainability Fund for donations</td>
<td>Create Internships. Hire work study students.</td>
<td>Create a Sustainability Office.</td>
<td>STARS, UNC-GA Sustainability Policy 600.6.1</td>
<td>Sustainability Council/ Sustainability Coordinator</td>
</tr>
<tr>
<td>Financial Resources</td>
<td>Reach out to sponsors and alumni. Apply for grants.</td>
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<tr>
<td>Staffing</td>
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<td>Campus Participation</td>
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<tr>
<td>Fund &amp; Build</td>
<td>Reallocate funds to pay for Sustainability Coordinator.</td>
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<td>Attract &amp; Retain</td>
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<tr>
<td>Organize &amp; Engage</td>
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### Category: Academics

<table>
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<th>责任</th>
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<tr>
<td>Curriculum</td>
<td>Expand the number of courses offerings that have focus on or include sustainability</td>
<td>Percent of courses that incorporate sustainability and percent of graduates from programs that have at least one sustainability learning outcome</td>
<td>Increase the amount of courses by 5% that incorporate sustainability annually</td>
<td>Survey faculty to self-identify sustainability facets of their courses, research, etc</td>
<td>Convene working group to assess curruculum based on AASHE STARS and develop recommendations for enhancing sustainability learning outcomes.</td>
<td>Increase the number of UNI 101 presentations and programs accepted for UNI credit. Encourage professors to incorporation sustainability into courses through TGIF grants.</td>
<td>STARS</td>
<td>Sustainability Council/ Sustainability Coordinator/ Sustainability Peer Educators</td>
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<tr>
<td>Expansion</td>
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<td>Create Sustainability Department.</td>
<td>Create ways for the arts to display sustainability in classes.</td>
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<tr>
<td>Outreach &amp; Education</td>
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</table>
### General Campus Presence
- **Promote Through Campus Life**
  - Identify where sustainability themes are currently represented in Campus Life programming. Expand sustainability-themed programming offered through the Department of Campus Life.
- **Promote Through Student Organizations**
  - Develop explicit sustainability programming in the CLES Office. Develop a sustainability peer education program starting with recycling and, sustainable LIFE skills. Zero Waste events.
- **Promote Through Residence Life**
  - Expand sustainability peer educator program. Implementing formalized training this year for the RHA, along with uniform message boards and a guide for green living.
- **Promote Through Community Service**
  - Develop sustainability focused community service programming. Develop a way to measure community service hours dedicated to sustainable causes.

### Student Engagement
- **Sustainability Council/ Sustainability Coordinator**
- **Enable & Place, Educate & Advance/Research**
- **Enable & Place, Educate & Advance/Research**
- **Fund & Build, Educate & Advance/Research**
- **Enable & Place, Educate & Advance/Research**

### Objectives
- **Aspirational**
  - Sustainability survey for freshman and seniors to determine impact
  - Promote sustainable events and make sustainability a point at orientations (students/faculty/staff)

### Priority Strategies
- Continue new student orientation workshop. Sponsor outreach events with emphasis on behavior change (e.g. Recycle Mania).
- Convene working group to assess sustainability research activities based on AASHE STARS framework. Develop a vehicle to publish and disseminate student research on sustainability.
- Annual sustainability research award for students and faculty.
- UNC Wilmington 2016-21 Strategic Plan
- Host sustainability research fair as part of Our Green Future.

### Responsibility
- sustainability council/ sustainability coordinator
- sustainability Coordinator/Sustainability Peer Educators

### Alignment with Other Plans and Policies
- STARS
- Transition's/Sustainability Council
- Sustainability Council/ CLES Office
- Sustainability Council/ HRL
- Sustainability Council/ CLES Office
- UNC Wilmington 2016-21 Strategic Plan
- Enable & Place, Organize & Engage

### Objectives
- **Academics**
  - Sustainability as a point of pride for UNCW Wilmington Faculty/Student Researchers
  - Percent of students & faculty engaged in sustainability research
  - Increase percent of research faculty engaged in sustainability focused/related topics
  - Promote TGIF mini grants and ETEAL/TGIF for research

### Priority Strategies
- Plans, Policies & Procedures
- Outreach & Education

### Priority Actions
- Convene working group to assess sustainability research activities based on AASHE STARS framework. Develop a vehicle to publish and disseminate student research on sustainability.
- Annual sustainability research award for students and faculty.
- UNC Wilmington 2016-21 Strategic Plan
- Host sustainability research fair as part of Our Green Future.
### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Achieve climate neutrality and increase climate resilience

**Performance Measure:** Total net GHG emissions (GHG Inventory Scopes 1, 2, and 3)

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Adopt a Sustainability Policy that establishes GHG reduction and climate resiliency goals. Develop a detailed Climate Mitigation Plan that prescribes specific measures to achieve GHG reduction goals. Obtain and implement metering systems on buildings.

2. Adopt a Climate Adaption Plan that describes strategies to increase resiliency to climate change risks.

**Future Actions**

1. Plan at least two educational programs a semester, partnering with groups like CMS - Planet Ocean, Cape Fear Economic Development Council, NC APPA and NC SEA.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Clean Energy

**Goal:** Support the development and use of energy from clean and renewable resources

**Performance Measure:** Determine percent of all energy consumption from clean energy sources

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Adopt a policy that provides the structure for establishing and achieving GHG reduction goals. Obtain and implement metering systems on clean energy sources.

2. Develop siting guidelines for on campus renewable energy projects.

**Future Actions**

1. Perform campus-wide renewable energy feasibility study. Compile a research report on innovative public-private financing models (e.g., ground lease).

2. Implement a pilot/demonstration project.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Reduce or offset all GHG emissions by 2050

**Performance Measure:** Reduce or offset GHGs by 5% by 2020 vs 2014 baseline

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Every three years, prepare and publish a GHG inventory that includes evaluation of progress toward meeting GHG reduction and climate resiliency goals. Host speakers and programming to educate about coastal living and climate change.

2. Plan at least two educational programs a semester, partnering with groups like CMS - Planet Ocean, Cape Fear Economic Development Council, NC APPA and NC SEA.

**Future Actions**

1. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Reduce or offset GHGs by 5% by 2020 vs 2014 baseline

**Performance Measure:** Reduce or offset all GHG emissions by 2050

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Compile report on carbon offsetting practices at colleges and universities. Develop special event carbon offset program.

2. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Future Actions**

1. Investigate opportunities to develop a "community solar" project.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Produce or procure renewable energy equal to 500kW of by 2020

**Performance Measure:** Determine percent of all energy consumption from clean energy sources

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Investigate opportunities purchase of renewable energy certificates.

2. UNC System wide renewable energy projects.

**Future Actions**

1. Adopt a Climate Adaption Plan that describes strategies to increase resiliency to climate change risks.

2. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Carbon Neutrality by 2050

**Performance Measure:** Total net GHG emissions (GHG Inventory Scopes 1, 2, and 3)

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Investigate opportunities purchase of renewable energy certificates.

2. UNC System wide renewable energy projects.

**Future Actions**

1. Adopt a Climate Adaption Plan that describes strategies to increase resiliency to climate change risks.

2. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** Net Zero Energy Campus

**Performance Measure:** Net building energy consumption (i.e. electricity and natural gas) measured in MmBtu

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Investigate opportunities purchase of renewable energy certificates.

2. UNC System wide renewable energy projects.

**Future Actions**

1. Adopt a Climate Adaption Plan that describes strategies to increase resiliency to climate change risks.

2. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities

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### Climate and Energy

#### Objective: Climate Mitigation and Adaption

**Goal:** UNC Wilmington campus is a net zero energy consumer by 2050

**Performance Measure:** Net building energy consumption (i.e. electricity and natural gas) measured in MmBtu

**Aspirational Short-term Priority Strategies**

**Priority Actions**

1. Investigate opportunities purchase of renewable energy certificates.

2. UNC System wide renewable energy projects.

**Future Actions**

1. Adopt a Climate Adaption Plan that describes strategies to increase resiliency to climate change risks.

2. Partner with community to implement local energy efficiency projects beyond university boundaries to "offset" GHGs.

**Alignment with Other Plans and Policies**

- UNC-GA Sustainability Policy, STARS

**UNCW 2016-21 Strategic Plan**

**Responsibility**

- Sustainability Council - Energy and Operations Council / Department of Facilities
### Short-Term Priority Strategies

**Public Education and Engagement**
- Create signage to promote what sustainability efforts are already taking place on campus.
- Continue retro commissioning efforts. Create strategic energy plan to identify cost-effective energy efficiency and conservation measures.

**Energy Efficiency and Conservation**
- Utilize campus as a living laboratory.
- Investigate feasibility of combined heat and power applications.

**Construction Technology and Materials**
- New building built to meet or exceed LEED Gold.
- Add digital information displays at bus stops.
- Expand shuttle routes beyond 1 mile radius.

### Future Actions
- Have buildings LEED certified.
- Review parking pricing (e.g. reduce carpool fees).
- Provide faculty/staff emergency ride home point to point shuttle.
- commuter Challenge.
- Breakfast on the Cross-City trail. Start bike/ped “club” and work with local business to offer discount.

### Alignment with Other Plans and Policies
- 2010 Campus Master Plan. 2014 Multi-Modal Transportation Study (Multi-Modal Study).

### Responsibility
- Sustainability Council - Energy and Operations Council / Department of Facilities
- Sustainability Council - Transportation Committee / Auxiliary Services
<table>
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<tr>
<th>Alignment with Other Plans and Policies</th>
<th>UNCW 2016-21 Strategic Plan</th>
<th>Responsibility</th>
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<tbody>
<tr>
<td><strong>Objectives</strong></td>
<td>Ecoystem Enhancements</td>
<td>Sustainability Council - Natural Areas and Landscaping Council / Department of Facilities</td>
</tr>
<tr>
<td><strong>Priority Strategies</strong></td>
<td></td>
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<tr>
<td><strong>Priority Actions</strong></td>
<td>Adopt a policy recognizing the high education and ecosystem value of the Main Campus Forest and designating core areas (at least 120 acres) as an &quot;outdoor learning laboratory&quot; protected from future development. Develop a Natural Areas Stewardship Master.</td>
<td>Prescribed burns in the Main Campus Forest. Longleaf Pine restoration and reforestation. Ev-Henwood old field succession project (by 2020). Clear paths and soil piles.</td>
</tr>
<tr>
<td><strong>Future Actions</strong></td>
<td>Plan, based on site specific assessments, to guide the preservation and enhancement of University-owned natural areas.</td>
<td>Develop plan.</td>
</tr>
<tr>
<td><strong>Alignment with Other Plans and Policies</strong></td>
<td>Campus Environmental Stewardship Council Recommendations for UNC Wilmington Natural Areas.</td>
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<td><strong>UNCW 2016-21 Strategic Plan</strong></td>
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<tr>
<td>Goal</td>
<td>Performance Measure</td>
<td>Aspirational Short-Term Priority Strategies</td>
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<tr>
<td>Goal</td>
<td>Zero Waste</td>
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<tr>
<td>Performance Measure</td>
<td>Percentage of solid waste landfilled or incinerated</td>
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<tr>
<td>Aspirational</td>
<td>30% solid waste diversion rate by 2020</td>
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<tr>
<td>Short-Term</td>
<td>50% solid waste diversion rate by 2025</td>
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### Priority Strategies

#### Program Management
- **Waste Minimization**
  - Expand water bottle filling stations. Work with ITSD to institutionalize two-sided printing. Develop plan to recycle dorm "moving day" waste.
  - Participate in Recyclemania.
  - Continue to expand campus composting program.
- **Maximize Recovery of Recyclable Materials**
- **Maximize Recovery of Organics**

#### Future Actions
- **Consolidate solid waste services under a “zero-waste” program.**
  - Reduce number of trash cans and increase recycling/composting.
  - Develop a cost-benefit analysis of switching to comingled recycling.
  - Build "Zero-Waste" facility.

### Alignment with Other Plans and Policies
- **STARS/ NC Recycling Report**
- Organize & Engage, Fund & Build

### Responsibility
- Sustainability Council - Recycling and Waste reduction Committee / Department of Recycling

### Objectives

#### Access and Affordability

**Low-Income Students, Financial Need, Loans & Scholarships**

| Goal | Increase enrollment of low-income students with academic promise |

#### Performance Measure
- Number of students graduated Pell Grant eligible entering and graduating

#### Aspirational
- 75% students Pell Grant eligible at graduation

#### Short-Term
- 50% students Pell Grant eligible at graduation

#### Priority Strategies

**Policies and Programs**
- Expand the SOAR programs, Seahawk Scholars, and SOAR Ambassadors.
- Increase the availability of scholarships based on academic promise for low-income students.
- Graduation/success rate for low-income students. The percentage of students graduating with no interest-bearing loans debt.
- Establish and on-site child care facility or partner with a local facility to help meet the child care needs of students.

**Scholarship**
- Create scholarship specifically for low-income students with academic promise
- Use records to create action plan
- Create programs to equip institution to better serve low-income students

**Track/Record**
- Support

#### Future Actions
- Create program to prepare low-income students for higher education
<table>
<thead>
<tr>
<th>Alignment with Other Plans and Policies</th>
<th>STARS</th>
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<tr>
<td>UNCW 2016-21 Strategic Plan</td>
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<tr>
<td>Responsibility</td>
<td>Sustainability Council / Office of Scholarships and Financial Aid</td>
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