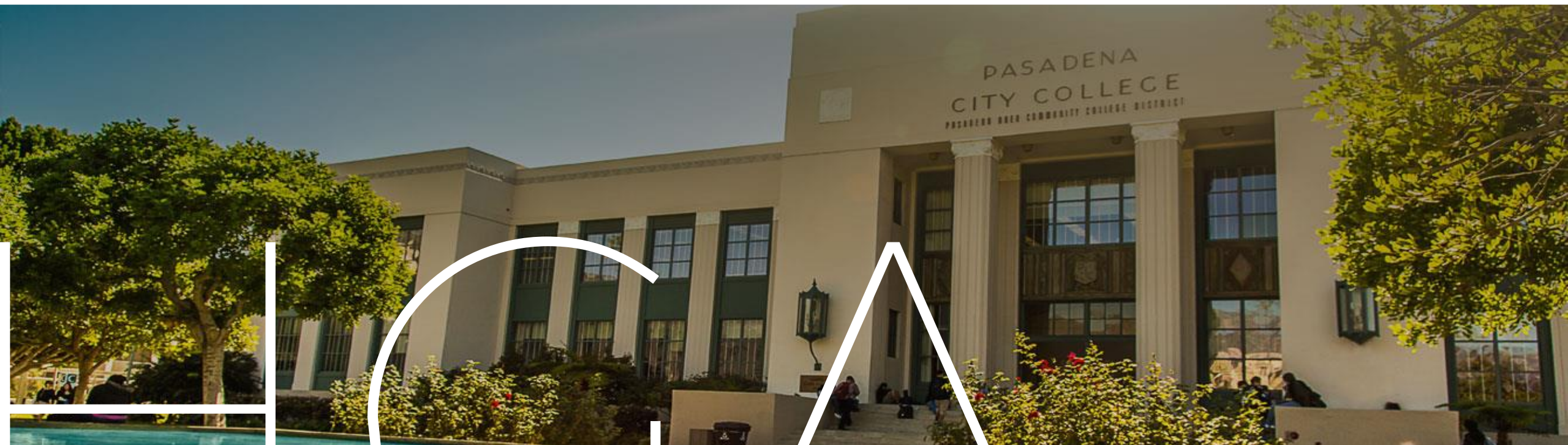


HGA

PCC & STARS

Your Masterplan for a Sustainable Future



AGENDA

1. Introduce STARS
2. Review Categories and Implications
3. Recommendations



ABOUT STARS

What is it and why does it matter?





What is STARS?

- STARS is the Sustainability Tracking, Assessment, & Rating System
- STARS is a transparent, self-reporting framework for colleges and universities to measure their sustainability performance.
- Developed by AASHE

What does STARS do?

- Provides a framework for understanding sustainability in all sectors of higher education
- Enables meaningful comparisons over time & across institutions
- Creates incentives for continual improvement toward sustainability
- Facilitates information sharing about higher ed sustainability practices & performance
- Builds a strong, more diverse campus sustainability community
- Can be certified at the Platinum, Gold, Silver, Bronze, or Reporter level.



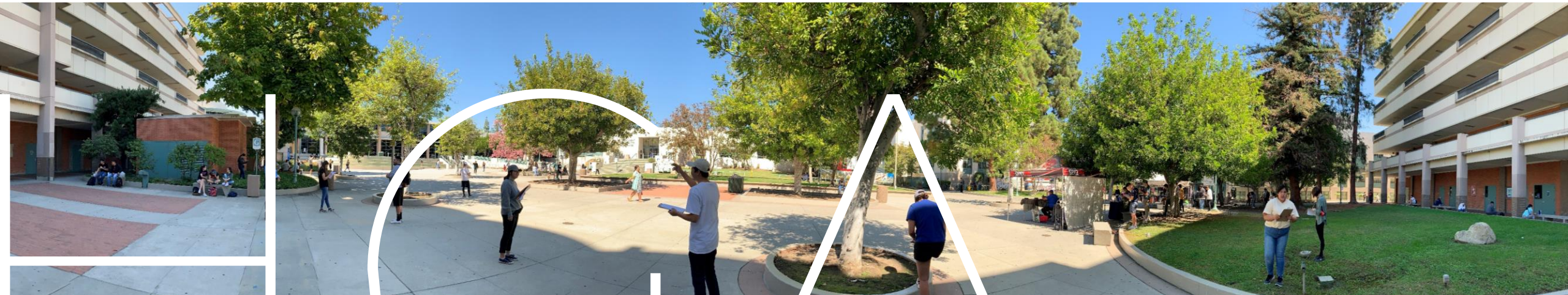
Why STARS?

EIGHT IMPORTANT POINTS

1. Gain International recognition for your sustainability efforts
2. Generate new ideas - Identify best practices to implement locally
3. Engage your community - Engage individuals in creating a culture of sustainability on campus and beyond
4. Create a Baseline for Continuous Improvement - Measure your current performance & assess your progress
5. Inform Strategic Planning & Budgeting - STARS can serve as a framework to help integrate sustainability into your institution's planning & development efforts
6. Integrate Sustainability into the Curriculum
7. Make real progress towards sustainability - 90% of participants report STARS has instigated changes that move their institution towards being more sustainable
8. Be part of a global community of STARS Institutions

THE STARS PROCESS

How to report & achieve certification

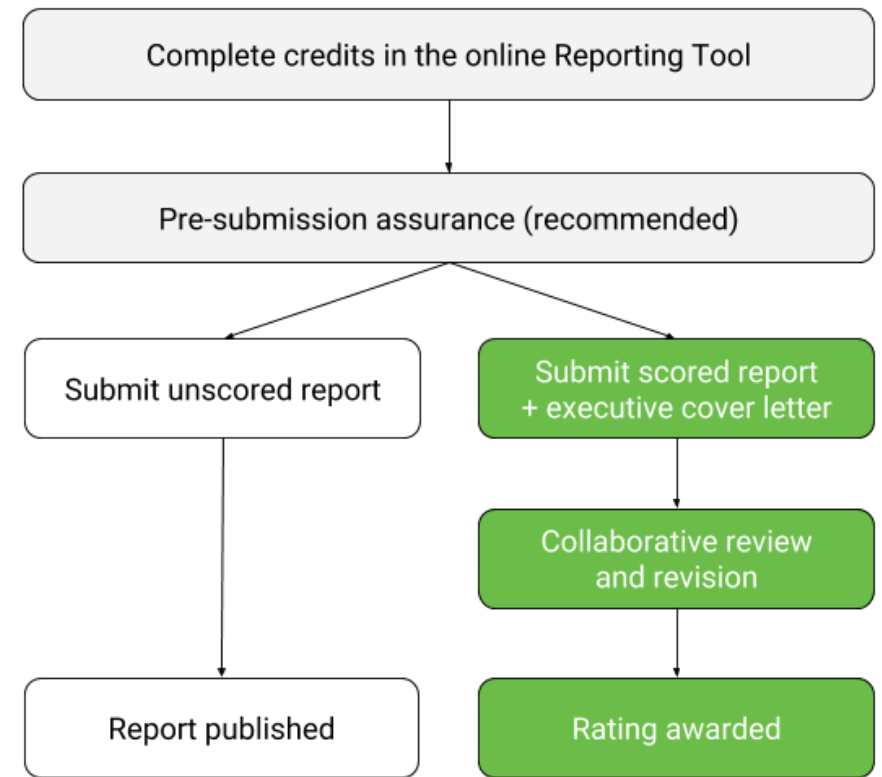


Process

HOW TO REPORT

- Create an AASHE account & Register the project with STARS
- Identify Credits to Pursue
- Report Credits online w/ the STARS Reporting Tool
- Submit Report – Two options:
 - Scored Report (Shown in green) – STARS Subscription required. Leads to a Bronze, Silver, Gold, or Platinum rating awarded
 - Unscored Report (Shown in white) – no subscription required (free). Leads to a designation as a STARS Reporter

STARS Reporting Process



Steps in green only available with a STARS subscription.

Scoring

HOW POINTS ARE AWARDED

- Determine number of possible points available (specific to each institution depending on applicable credits)
- Percentage Points are award based on how many points out of the available are achieved. For example, achieving 90 points out of a possible 180 would award you 50 percentage points.
- Innovation points are added on to percentage points. For example, if you achieve 2 innovation points, you add that to 50 percentage points to get a total score of 52.

Percentage of available
points earned
(0-100)

+

Innovation & Leadership
points earned (up to 4)

=

Overall STARS Score

Recognition

HOW RATINGS ARE AWARDED

- Ratings
 - Bronze Rating Minimum Score of 25
 - Silver Rating Minimum Score of 45
 - Gold Rating Minimum Score of 65
 - Platinum Rating Minimum Score of 85
- Rating is valid for three years from date of submission
- Institutions can re-submit an updated report as often as once a year (to improve rating)



BREAKING DOWN STARS

Categories & Credits



Credits Overview

CATEGORIES, SUB-CATEGORIES, & CREDITS

- Organized into 5 Broad Categories
 - Academics (AC)
 - Engagement (EN)
 - Operations (OP)
 - Planning & Administration (PA)
 - Innovation & Leadership (IN)
- Each Category further breaks down into sub-categories which then break down into individual credits as shown in the following slides
- An * Indicates credit items not applicable to every institution
- In addition to addressing credits, applicants must also provide various information about the characteristics of their instruction such as building area, endowment size, demographic data, etc.

Academics

Curriculum

ACADEMICS (AC)

- This subcategory seeks to recognize institutions that have formal education programs and courses that address sustainability. Institutions that offer courses covering sustainability issues help equip their students to lead society to a sustainable future.
- Credits
 - Academic Courses (*14 points*)*
 - Learning Outcomes (*8 points*)*
 - Undergraduate Program (*3 points*)*
 - Graduate Program (*3 points*)*
 - Immersive Experience (*2 points*)*
 - Sustainability Literacy Assessment (*4 points*)
 - Incentives for Developing Courses (*2 points*)
 - Campus as a Living Laboratory (*4 points*)*

Research

ACADEMICS (AC)

- This subcategory seeks to recognize institutions that are conducting research on sustainability topics to help the world understand sustainability challenges and develop new technologies, strategies, and approaches to address those challenges.
- Credits
 - Research and Scholarship (*12 points*)*
 - Support for Sustainability Research (*4 points*)*
 - Open Access to Research (*2 points*)*

Engagement

Campus Engagement

ENGAGEMENT (EN)

- This subcategory seeks to recognize institutions that provide their students with Institution-sponsored, co-curricular sustainability offerings outside the formal curriculum to deepen and apply their understandings of sustainability principles.
- In addition, this subcategory recognizes institutions that support employee engagement, training and development programs in sustainability.
- Credits
 - Student Educators Program (*4 points*)*
 - Student Orientation (*2 points*)*
 - Student Life (*2 points*)
 - Outreach materials & Publications (*2 points*)
 - Outreach Campaign (*4 points*)
 - Assessing Sustainability Culture (*1 point*)
 - Employee Educators Program (*3 points*)
 - Employee Orientation (*1 point*)
 - Staff Professional Development Training (*2 points*)

Public Engagement

ENGAGEMENT (EN)

- This subcategory seeks to recognize institutions that help catalyze sustainable communities through public engagement, community partnerships and service.
- Community engagement can help students develop leadership skills and enable institutions to address the community's broader sustainability needs through collaboration with external organizations and public policy advocacy
- Credits
 - Community Partnerships (*3 points*)
 - Inter-Campus Collaboration (*3 points*)
 - Continuing Education (*5 points*)*
 - Community Service (*5 points*)
 - Participation in Public Policy (*2 points*)
 - Trademark Licensing (*2 points*)*

Operations

Air & Climate

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are measuring and reducing their greenhouse gas and air pollutant emissions. Institutions that inventory and take steps to reduce their air pollutant emissions can positively impact the health of the campus community, local community, and nearby regions.
- Credits
 - Emissions Inventory & Disclosure *(3 points)*
 - Greenhouse Gas Emissions *(8 points)*

Air & Climate Credits

FURTHER EXPLANATION

- Emissions Inventory & Disclosure
 - Part 1: Points are awarded if the institution completes a GHG emissions inventory
 - Part 2: Points are awarded if the institution completes an Air Pollutant Emissions Inventory
- Greenhouse Gas Emissions
 - Part 1: Points are awarded if GHG emissions per person are reduced compared to a baseline
 - Part 2: Points are awarded if GHG Emissions per SF are less than a min. performance threshold



Buildings

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are taking steps to improve the sustainability performance of their buildings. Institutions can design, build, and maintain buildings in ways that provide a safe and healthy indoor environment for inhabitants while simultaneously mitigating the building's impact on the outdoor environment through reductions in greenhouse gas emissions and water usage.
- Credits
 - Building Design and Construction (*3 points*)
 - Building Operations and Maintenance (*5 points*)

Buildings Credits

FURTHER EXPLANATION

- Building Design and Construction
 - Points are awarded based on the level of sustainable design certification (such as LEED) achieved for ALL buildings and renovations completed in the last 5 years.
- Building Operations and Maintenance
 - Points are awarded if buildings are maintained according to a sustainable management policy / program or a green building rating system focused on operations and maintenance (such as LEED O+M).



Energy

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are reducing their energy consumption through conservation & efficiency and through switching to cleaner and renewable sources of energy such as solar, wind, geothermal, and low-impact hydropower. Implementing conservation measures and switching to renewable sources of energy can help institutions save money, protect from utility rate volatility, support local economic development, and create market demand for cleaner sources of energy.
- Credits
 - Building Energy Efficiency (*6 points*)
 - Clean and Renewable Energy (*4 points*)

Energy Credits

FURTHER EXPLANATION

- Building Energy Efficiency
 - Part 1: Points are awarded if site energy use per SF is below a min. threshold
 - Part 2: Points are awarded if source energy use per SF is reduced compared to a baseline from prior years.
- Clean and Renewable Energy
 - Points are awarded if institutions purchase energy from clean and renewable sources, generate energy on-site using renewable sources, or purchase renewable energy offsets (such as RECs).



Food & Dining

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that support a sustainable food system. Institutions can use their food purchases to encourage environmentally friendly & humane farming methods to help reduce environmental impacts and support fair and resilient food systems.
- Dining services can also support sustainable food systems by preventing & diverting food waste through making low impact dining options available & educating customers about sustainable options and practices.
- Credits
 - Food & Beverage Purchasing (*6 points*)*
 - Sustainable Dining (*2 points*)*

Grounds

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that plan and maintain their grounds with sustainability in mind. Beautiful and welcoming campus grounds can be planned, planted, and maintained in any region while minimizing the use of toxic chemicals, protecting wildlife habitat, and conserving resources.
- Credits
 - Landscape Management (*2 points*)*
 - Biodiversity (*1-2 points*)*

Grounds Credits

FURTHER EXPLANATION

- Landscape Management
 - Points are awarded if grounds are managed organically or in accordance with an integrated pest management program.
- Biodiversity
 - Points are awarded if institution has conducted an assessment to identify endangered species or biodiversity importance of land & has programs in place to protect the species, habitats, and ecosystems.



Purchasing

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are using their purchasing power to help build a sustainable economy. Each purchasing decision represents an opportunity for institutions to choose environmentally and socially preferable products and services and support companies with strong commitments to sustainability.
- Credits
 - Sustainable Procurement (*3 points*)
 - Electronics Purchasing (*1 point*)
 - Cleaning and Janitorial Purchasing (*1 point*)
 - Office Paper Purchasing (*1 point*)

Transportation

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are moving toward sustainable transportation systems. Bicycling and walking provide human health benefits and mitigate the need for large areas of paved surface, which can help campuses to better manage stormwater. Additionally, institutions may realize cost savings and help support local economies by reducing their dependence on petroleum-based fuels for transportation.
- Credits
 - Campus Fleet (*1 point*)*
 - Commute Modal Split (*5 points*)
 - Support for Sustainable Transportation (*1 point*)

Waste

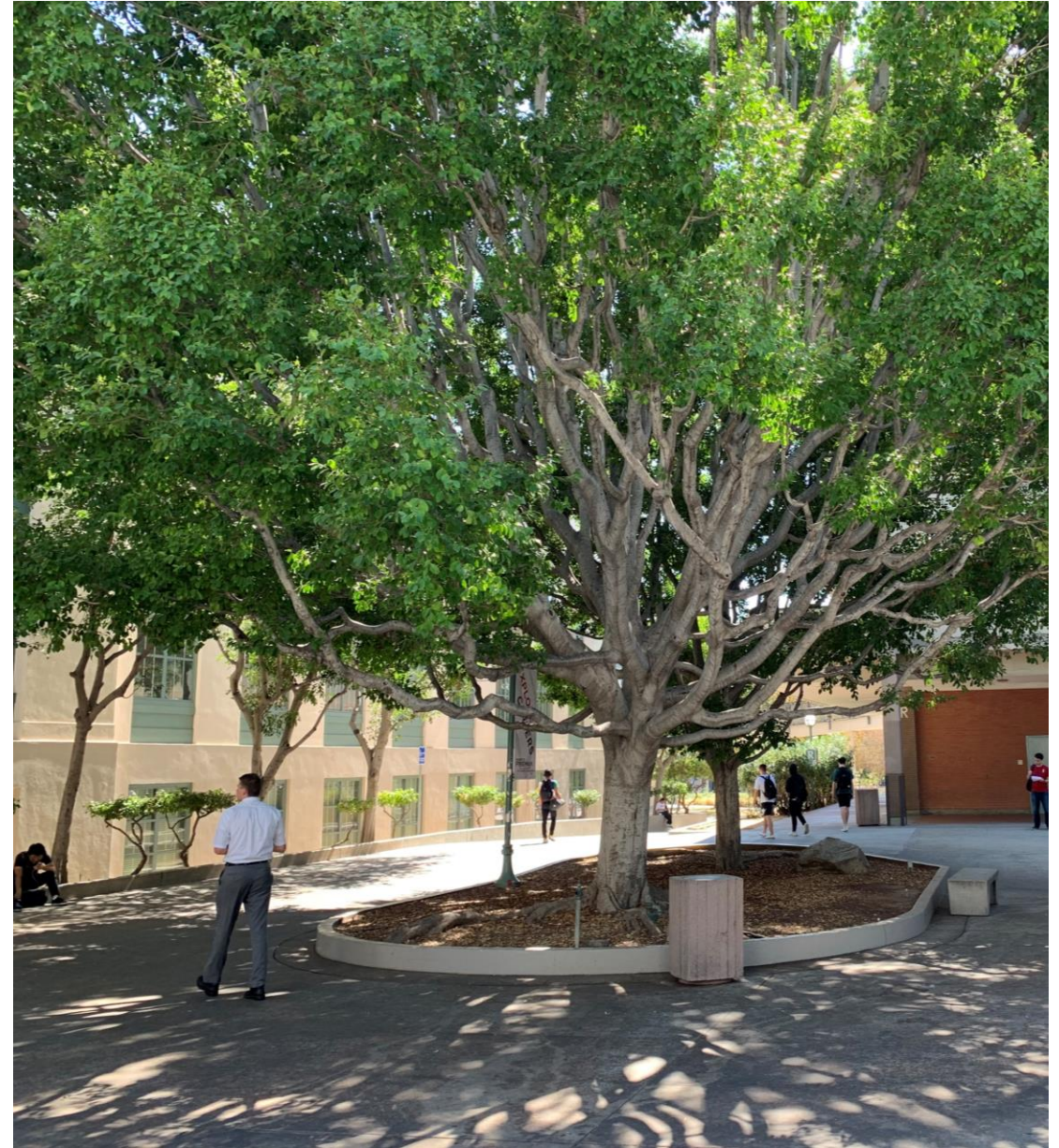
OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are moving toward zero waste by reducing, reusing, recycling, and composting. In addition to environmental benefits such as reducing the need to extract virgin materials from the earth & reducing the flow of waste to landfills and incinerators, source reduction and waste diversion also save institutions costly landfill and hauling service fees while helping to engage the entire campus community in contributing to a tangible sustainability goal.
- Credits
 - Waste Minimization & Diversion (*8 points*)
 - Construction & Demolition Waste Diversion (*1 point*)*
 - Hazardous Waste Management (*1 point*)

Waste Credits

FURTHER EXPLANATION

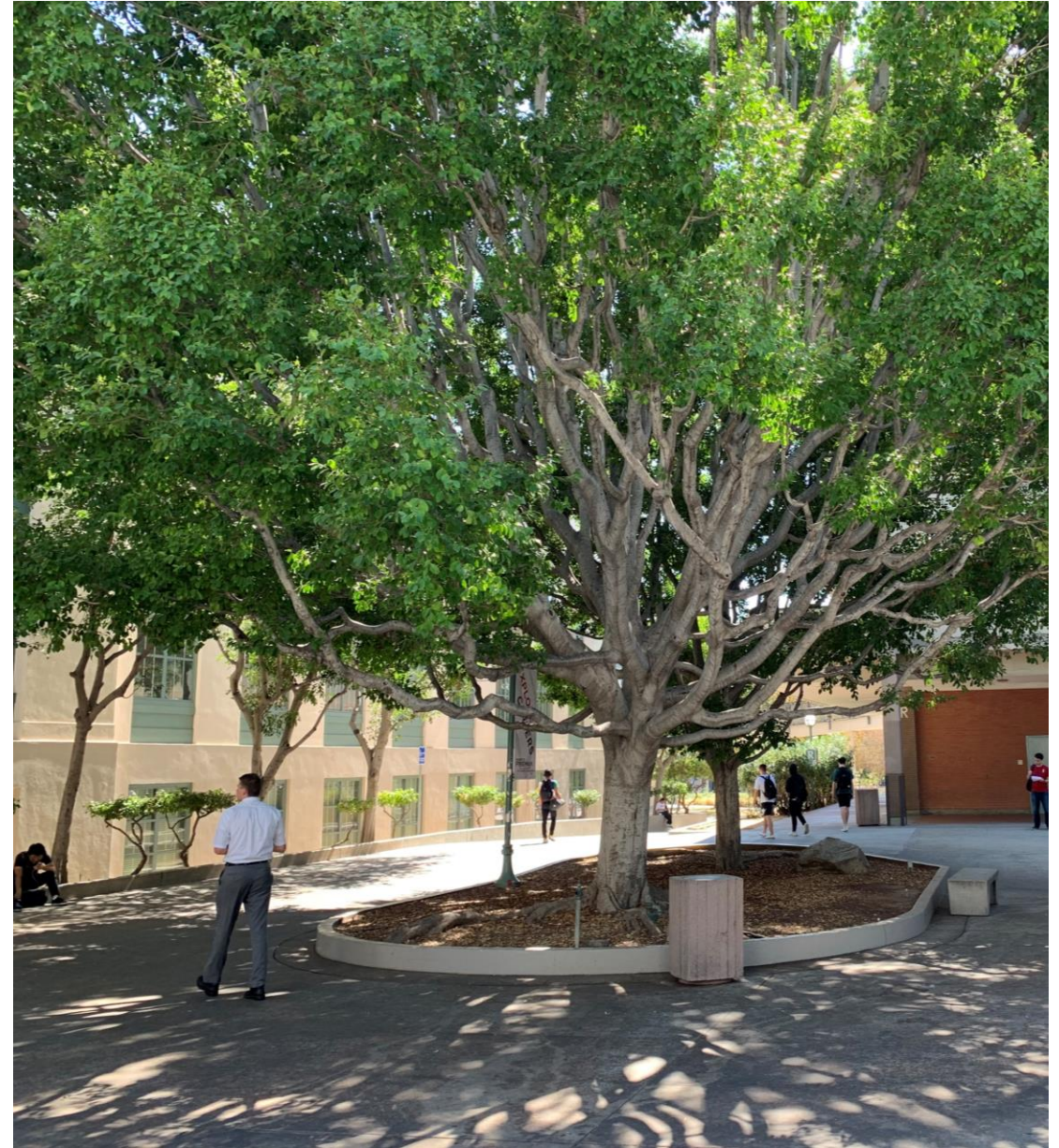
- Waste Minimization and Diversion
 - Part 1: Points are awarded based on the reduction in total waste per person compared to a baseline.
 - Part 2: Points are awarded if the total amount of waste per person is less than a minimum threshold per user
 - Part 3: Points are awarded if the institution diverts waste from a landfill through recycling, composting, donation, or re-selling of goods



Waste Credits

FURTHER EXPLANATION

- Construction and Demolition Waste Diversion
 - Points are awarded based on what percentage of non-hazardous construction waste is diverted from a landfill over a 1-year period.
- Hazardous Waste Management
 - Part 1: Points are awarded if the institution has a strategy to safely dispose of all hazardous waste.
 - Part 2: Points are awarded if the institution has a program in place to recycle, reuse, or refurbish electronic waste.



Water

OPERATIONS (OP)

- This subcategory seeks to recognize institutions that are conserving water, making efforts to protect water quality and treating water as a resource rather than a waste product.
- Credits
 - Water Use (*4-6 points*)
 - Rainwater Management (*2 points*)

Water Credits

FURTHER EXPLANATION

- Water Use
 - Part 1: Points are awarded if the institution reduces annual potable water use per person compared to a baseline.
 - Part 2: Points are awarded if the institution reduces annual potable water use per SF of area compared to a baseline.
 - Part 3: Points are awarded if the institution reduces total annual water use per acre compared to a baseline.



Water Credits

FURTHER EXPLANATION

- Rainwater Management
 - Points are awarded if the institution uses green infrastructure and low impact development practices to mitigate stormwater run-off impacts & treats rainwater as a resource



Planning & Administration

Coordination & Planning

PLANNING & ADMINISTRATION (PA)

- This subcategory seeks to recognize colleges and universities that are institutionalizing sustainability by dedicating resources to sustainability coordination, developing plans to move toward sustainability, and engaging stakeholders in governance in order to help advocates implement changes to achieve sustainability goals.
- Credits
 - Sustainability Coordination (*1 point*)
 - Sustainability Planning (*4 points*)
 - Inclusive and Participatory Governance (*3 points*)
 - Reporting Assurance (*1 point*)*

Diversity & Affordability

PLANNING & ADMINISTRATION (PA)

- This subcategory seeks to recognize institutions that are advancing diversity & affordability on campus. Higher education opens doors to opportunities that can create a more equitable world. Affordable programs must be accessible to all regardless of race, gender, religion, socio-economic status & other differences. Also, a diverse student body, faculty, & staff provide rich resources for learning & collaboration.
- Credits
 - Diversity & Equity Coordination (*2 points*)
 - Assessing Diversity & Equity (*1 point*)
 - Support for Underrepresented Groups (*3 points*)
 - Affordability and Access (*4 points*)

Diversity & Affordability Credits

FURTHER EXPLANATION

- Diversity & Equity Coordination
 - Part 1: Points are awarded if the institution has a diversity and equity committee office or officer that advises the institution.
 - Part 2: Points are awarded if the institution makes equity trainings available to students and staff.
- Assessing Diversity & Equity
 - Points are awarded if the institution has engaged in a structured assessment process to improve diversity, equity, & inclusion on campus in the last 3 years.



Diversity & Affordability Credits

FURTHER EXPLANATION

- Support for Underrepresented Groups
 - Points are awarded if the institution has certain policies in place to support underrepresented groups and create a more diverse & inclusive campus
- Affordability and Access
 - Points are awarded if the institution is considered affordable and accessible to low-income students based on meeting certain criteria.



Investment & Finance

PLANNING & ADMINISTRATION (PA)

- This subcategory recognizes institutions making investment decisions that promote sustainability (socially & environmentally responsible, ethical, impact, & mission-related investment). By using the tools of sustainable investing, institutions can improve the long-term health of their endowments, encourage better corporate behavior, support innovation in sustainable products & services, support sustainability in their community, & help build a more just and sustainable financial system.
- Credits
 - Committee on Investor Responsibility (*2 points*) *
 - Sustainable Investment (*3-5 points*)*
 - Investment Disclosure (*1 point*)*

Wellbeing & Work

PLANNING & ADMINISTRATION (PA)

- This subcategory seeks to recognize institutions that have incorporated sustainability into their human resources programs and policies. An institution can bolster the strength of its community by offering benefits, wages, and other assistance that serve to respectfully and ethically compensate workers and by acting to protect and positively affect the health, safety and wellbeing of the campus community.
- Credits
 - Employee Compensation (*3 points*)
 - Assessing Employee Satisfaction (*1 point*)
 - Wellness Programs (*1 point*)
 - Workplace Health & Safety (*2 points*)

Innovation & Leadership

Innovation & Leadership (IN)

CATALOG OF OPTIONAL CREDITS (0.5 POINTS EACH – UP TO 4 BONUS POINTS)

- The credits in this category recognize institutions that are seeking innovative solutions to sustainability challenges and demonstrating sustainability leadership in ways that are not otherwise captured in STARS.
- Innovation & Leadership credits recognize:
 - Emerging best practices
 - Outcomes that are a step beyond what is recognized in a standard credit
 - Exemplary initiatives and outcomes that are only relevant to a minority of institution types or regions
 - Innovative programs and initiatives that address sustainability challenges and are not covered by an existing credit.

HGA

Thank You

