# Table of Contents

Introduction ................................................................................................................................. iii

Statement from the Sustainability and Energy Officer ............................................................... iii
Summary ........................................................................................................................................ iv
Appreciation ................................................................................................................................. v
Scoring .......................................................................................................................................... vi

Academics ...................................................................................................................................... 1

- AC-1: Academic Courses ............................................................................................................. 2
- AC-2: Learning Outcomes ............................................................................................................ 4
- AC-6: Literacy Assessment ........................................................................................................... 6
- AC-8: Campus as a Living Laboratory .......................................................................................... 8
- AC-9: Research and Scholarship ................................................................................................ 10
- AC-11: Open Access to Research ............................................................................................... 12

Engagement .................................................................................................................................... 14

- EN-6: Assessing Sustainability Culture ....................................................................................... 15
- EN-7: Employee Educators Program .......................................................................................... 17
- EN-8: Employee Orientation ...................................................................................................... 19
- EN-13: Community Service ....................................................................................................... 21

Operations ..................................................................................................................................... 23

- OP-1: Greenhouse Gas Emissions ............................................................................................... 24
- OP-2: Outdoor Air Quality ........................................................................................................... 26
- OP-3: Operations and Maintenence ............................................................................................. 28
- OP-4: Building Design and Construction ................................................................................... 30
- OP-5: Building Energy and Consumption .................................................................................. 32
- OP-6: Clean and Renewable Energy .......................................................................................... 34
- OP-7: Food and Beverage Purchasing ......................................................................................... 36
- OP-8: Sustainable Dining Options ............................................................................................... 38
- OP-9: Landscape Management .................................................................................................... 40
- OP-11: Sustainable Procurement ................................................................................................. 42
- OP-12: Electronics Purchasing ..................................................................................................... 44
- OP-13: Janitorial Purchasing ....................................................................................................... 46
- OP-14 Office Paper Purchasing .................................................................................................. 48
- OP-15: Campus Fleet ................................................................................................................... 50
- OP-16: Student Modal Split ....................................................................................................... 52
- OP-17: Employee Commute Modal Split .................................................................................... 54
- OP-18 Support for Sustainable Transportation ......................................................................... 56

Planning and Administration ....................................................................................................... 58

- PA-2: Sustainability Planning ..................................................................................................... 59
- PA-6: Support for Underrepresented Groups ............................................................................... 61
Table of Contents

PA-7: Affordability and Access ........................................................................................................... 63
PA-8: Committee on Investor Responsibility ......................................................................................... 65
PA-9: Sustainable Investment ................................................................................................................ 67
PA-10: Investment Disclosure ............................................................................................................... 69
PA-12: Assessing Employee Satisfaction .............................................................................................. 71
STATEMENT FROM THE ENERGY AND SUSTAINABILITY OFFICER

STARS stands for Sustainability Tracking and Assessment Rating System and is an internationally used system to assess the sustainability practices on college campuses. SDSU submitted its first STARS report in 2012 and earned a silver rating with just over 45 points. In 2017-2018 SDSU accumulated the data and information to submit a new STARS report where the campus was able to improve the score to 55 points. SDSU still received a silver rating, but the score improved overall.

This silver rating will be valid for three years or until the campus decides to submit another STARS report. The goal for the next STARS report will be to achieve a gold rating for the campus's sustainability efforts. This report will explain where we fell short of this goal and where we can improve our score from short-term low hanging fruit actions and investments to more resource intensive long-term actions and investments.

While many people on campus contributed to this effort, I would like to especially thank Travis Freeman, a Sustainability major who coordinated this entire effort including this report. This could not have been achieved without his dedicated work.
In this report, you will see that some of these credits can be more easily and affordably attained while others will likely take much more time and resources. It is practically impossible to receive full points for all of the credits within STARS. For many of these credits, you can receive partial points, but this report explains how SDSU could receive full points for the credits.

It is also worth noting that not all of the credits are listed in this report. The reason all the credits are not included because SDSU received full points or very close to full points for that credit.

The goal of this report is to educate everyone on how to improve SDSU's STARS report, but it is also to show how we will be able to attain a Gold rating for our next submission and hopefully a Platinum rating in the future.

If SDSU chooses to pursue all of the Tier 1 requirements laid out in this report SDSU will gain enough points to receive a Gold rating by our next submission. If the Tier 2 requirements are fulfilled, it will be enough points for SDSU to achieve a Platinum rating.

SDSU earned a STARS Silver rating. If you would like to look at SDSU STARS report check it out at https://stars.aashe.org/institutions/san-diego-state-university-ca/report/2018-03-02/
Appreciation

A Special thanks to Tom Abram, Bruce Appleyard, Chelsea Winer, Josh Koss, Jeff Frat, Anthony Kopacz, Chad Dragan, Debbie Richeson, Terry Gee, Aaron Bruce, Travis Clancy, Catherine Love, and Travis Freeman for contributing to the work that was put into the data collection analysis for STARS. This rating wouldn't have happened without your hard work and dedication.

San Diego State University

Is hereby recognized by the Association for the Advancement of Sustainability in Higher Education as a STARS Silver Institution based on its reported accomplishments in campus sustainability.

Awarded on March 2, 2018 and valid for three years.

Meghan Fay Zahniser, Executive Director
Scoring

STARS submissions are scored by a point system that is based on over 200 points. If you receive 85% of the points or higher your university receives a Platinum rating. 65% and higher of the points for Gold, 45% is Silver, and 25% is Bronze. Since SDSU's score is 55.5 points, that means that SDSU earned 55.5% of the 200 points.

<table>
<thead>
<tr>
<th>STARS Rating</th>
<th>Minimum Score Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronze</td>
<td>25</td>
</tr>
<tr>
<td>Silver</td>
<td>45</td>
</tr>
<tr>
<td>Gold</td>
<td>65</td>
</tr>
<tr>
<td>Platinum</td>
<td>85</td>
</tr>
</tbody>
</table>
Example: STARS

This section is the description and explanation of the credit.

Requirements for Full Points

This section is an explanation on the requirements it would take the university to receive full points for the credit.

How to Improve:

This section is specific actions and instructions SDSU could take to receive the full points.
Who Can Help:

This section describes what department of SDSU will be able to contribute in the effort of improving the score for this credit.

Tier 1

1.5/2

Tier 1 is the estimated amount of points SDSU would earn if it pursued the specific actions that would be listed here.

Tier 2

2/2

Tier 2 is an estimated improved score from Tier 1 that would require more effort and resources than Tier 1. The actions to fulfill Tier 2 would be listed here.
Academics (AC)

This subcategory is used to recognize institutions that have formal education programs and courses that address sustainability.
AC-1: Academic Courses

This credit recognizes institutions that offer sustainability courses and that include sustainability in courses across the curriculum.

5.8/14

Requirements for Full Points:

To receive full points for the first section for this credit, SDSU would need to have 20% of its offered courses to be either sustainability focused or classes that include sustainability. To receive full points for the second section of this credit SDSU would have to have 90% of its academic departments to offer a course that has a class that is either sustainability focused or that included sustainability.

How to improve:

SDSU had to mainly depend on one person to look through classes to determine which classes were sustainability focused or that included sustainability. For the future score, we could send out surveys to all professors and instructors to determine if they consider any of their classes to be sustainability focused or if they include sustainability. Department chairs of each college call also assist in determining if each subject offers a class that focuses on or is related to sustainability.
Who Could Help:

Academic affairs could likely assist in this effort. They could send out the surveys explaining what makes a class sustainability focused or that includes sustainability as well as making sure to collect all of the relevant information.

Tier 1:

7/14

If surveys are sent out through academic affairs, SDSU will most likely increase the score up to 7 points with the limited faculty participation.

Tier 2:

9/14

If the surveys are made mandatory for each professor and department head this would likely increase the score as high as it could get until more classes are created at SDSU. It would also be helpful to label and identify each class that is related to sustainability SDSU's course book.
AC-2: Learning Outcomes

This credit recognizes institutions with sustainability learning outcomes associated with program degrees and/or courses of study.

.57/8

Requirements for Full Points:

To receive full points for this credit, all students must graduate from programs that have adopted at least one sustainability outcome.

How to Improve:

SDSU has mainly had to depend on an administrator to provide the information for which degrees have a sustainability learning outcome. To improve the data collection, it would be easier if each head of the departments determined if they had sustainability learning outcomes. SDSU could make sustainability a learning outcome for the whole campus by requiring some sort of 1 unit course, or a training (similar to mandatory alcohol survey) for the whole campus and then write it into the campus' learning outcomes.
Who Could Help:

The heads of each department could help with this effort. The Learning outcomes for each major are not very clear, so it would be helpful to see if any of the department heads believed that their major had sustainability learning outcomes that came from a degree in their field. This could also include the president of the university if sustainability was made a learning outcome of the entire school.

**Tier 1:**

![Circle with 2/8](2/8)

If tier 1 is pursued SDSU can earn 2 points by having surveys sent out to the department heads to determine which degrees have at least one sustainability learning outcome.

**Tier 2:**

![Circle with 8/8](8/8)

If Tier 2 is pursued, SDSU can earn full points by making sustainability a learning outcome of the entire campus. This could become possible if a small sustainability training was mandatory as a graduation requirement. This would likely have to go all the way to the president of SDSU to make this a graduation requirement for everyone.
AC-6: Literacy Assessment

This credit recognizes institutions that are assessing the sustainability literacy of their students.

Requirements for Full Points:
SDSU can earn the maximum 4 points available for this credit by administering a pre- and post-assessment of sustainability to a representative sample.

How to Improve:
SDSU will be able to receive the other two points for this credit after the post-assessment is administered to the representative sample and compared the previous results.
Who can Help

Sustainable SDSU can help with this by sending out a post-assessment of the sustainability assessment to the same cohort of students that completed it the first time.

Tier 1:

4/4

SDSU can earn the full 4 points for this credit by collecting a post sustainability literacy assessment from the same cohort of students it was originally completed by.
AC-8: Campus as a Living Laboratory

This credit recognizes institutions that utilize their infrastructure and operations as living environments for multidisciplinary learning and applied research that advances sustainability on campus.

2.8/4

Requirements for Full Points:

SDSU could earn full points for this credit if they had ten different specific learning areas being taught as a learning lab. Each area is .4 points.

How to Improve:

SDSU can encourage students or teachers to pursue lessons or actions about Buildings, Food and Dining, Purchasing, Coordination and Planning, Diversity and Affordability, Investment and Finance, or Wellbeing and Work.
Who can help:

The Center for Regional Sustainability could assist in the creation on new campus as living laboratory opportunities. Also, any faculty or staff could assist in the ideas to use the campus as a living laboratory either for class credit or as extracurriculars.

Tier 1:

3.2/4

If Tier 1 is pursued, SDSU can earn 3.2 points for this credit by encouraging faculty and students to pursue activities that use the SDSU campus as a living laboratory on the topics that haven't been covered already.

Tier 2:

4/4

If Tier 2 is pursued, SDSU can earn full points for this credit through pursuing campus as livings labs as listed on the previous page. This could happen through incentives and actions taken by employees and students alike.
AC-9: Research and Scholarship

This credit recognizes institutions where faculty and staff are conducting research and other forms of scholarship on sustainability topics.

8.7/12

Requirements for Full Points:
To receive full six points for the first section of this credit SDSU would have to have 15% or more of its faculty conducting sustainability research. To receive the full six points for the second section of this credit 75% of research departments would need to have at least one person conducting sustainability research.

How to Improve:
This information was collected by one person who gathered most the information by using search engines and looking through teachers bios to determine if they were conducting research that was sustainability focused. It would be more efficient to send out a survey to provosts and department heads to see if more faculty are researching sustainability subjects.
Who can Help

The SDSU Research Foundation could likely help with the effort to determine how many people are doing sustainability research on campus. Hopefully, there is a databank with the information or they could send out surveys to figure out the number of researchers conducting sustainability research.

Tier 1:

9.5/12

If Tier 1 is pursued, SDSU could earn more points if the Research Foundation has this information on file. SDSU could also earn more points by sending out surveys to researchers to determine if their research includes sustainability

Tier 2:

12/12

If Tier 2 is pursued, more points could be earned if surveys were sent out to all research departments to determine how many people are conducting sustainability research on campus. There would also be incentives offered to students to increase the number of sustainability researchers.
AC-11: Open Access to Research

This credit recognizes institutions that have policies and repository programs in place to ensure open access to new peer-reviewed research produced by their faculties.

0/2

Requirements for Full Points:

To earn the 2 points for this credit SDSU would need to implement an open access policy for its scholarly articles.

How to Improve:

SDSU will have to work within the campus to achieve an open access policy.
Who can Help

SDSU students, librarians, staff, and faculty could all contribute to the effort of implementing an open access policy. The effort to gain an open access policy could either be for specific colleges, departments, schools or the entire campus.

Tier 1:

1/2

If Tier 1 is pursued, SDSU can earn a point for this credit by covering some, but not all, of the institution’s research-producing divisions (e.g., schools, colleges, departments) with an open access policy.

Tier 2:

2/2

If Tier 2 is pursued, SDSU can earn the full 2 points for this credit by implementing an open access policy for all research on campus.
Engagement (EN)

This subcategory seeks to recognize institutions that provide their students with sustainability learning experiences outside the formal curriculum.
EN-6: Assessing Sustainability Culture

This credit recognizes institutions that are assessing the sustainability culture of the campus community.

0.5/1

Requirements for Full Points:

SDSU could earn the whole point of collecting a post-assessment of sustainability culture.

How to Improve:

SDSU could receive full credit by assessing the entire campus compared to its previous half assessment.
Who can help

Sustainable SDSU.

Tier 1:

1/1

If Tier 1 is pursued SDSU can earn the full point for this credit when a post-assessment is sent out and completed.
EN-7: Employee Educators Program

This credit recognizes institutions that coordinate programs in which faculty and staff members educate and mobilize their peers around sustainability initiatives and programs.

Requirements for Full Points:

SDSU can earn the full three points by creating a peer-to-peer sustainability education training program that is available to all employees.

How to Improve:

SDSU can earn the full three points for this credit by creating a program where staff and faculty could become trained by Eco-Reps or something alike. Staff and faculty could also choose to become sustainability champions and become knowledgeable enough to train. This would create a peer-to-peer training system between employees that would improve their sustainability knowledge.
Who can help

The Green Office Intern, an Eco-Rep, or another employee within Sustainable SDSU can create a training that employees can choose to participate in to become a peer-to-peer sustainability educator. This will give the opportunity for many employees to become certified peer-to-peer educators that will educate fellow employees about sustainability.

Tier 1:

1.5/3

If Tier 1 is pursued SDSU can gain half of these points when the peer-to-peer trainings begin and at least half the campus's employees have access to training.

Tier 2:

3/3

If Tier 2 is pursued, SDSU could gain the full 3 points for this credit once enough employees have been trained to become peer-to-peer educators, and all employees have access to the training to become a peer-to-peer educator.
EN-8: Employee Orientation

This credit recognizes institutions that address sustainability issues during new employee orientation.

0/1

Requirements for Full Points:

SDSU can earn the full point for this credit by including sustainability topics in all new employee's orientation.

How to Improve:

SDSU can receive for points for this credit by including sustainability topics in new employees orientations. This could be how to save electricity, recycling guidelines, using the trolley and alternative transportation, carpooling, zimride, or bike sharing,
Who can help:

Sustainable SDSU has already integrated sustainability into new staff orientation. Sustainable SDSU can pitch this to all departments until it is adopted for every new employee.

**Tier 1:**

![Circle with .5/1]

If Tier 1 is pursued, SDSU can gain half of a point for this credit by implementing sustainability into half of the new employee orientations. SDSU should already meet this requirement with the new program.

**Tier 2**

![Circle with 1/1]

If Tier 2 is pursued, SDSU can gain the full point for this credit by implementing sustainability into all new employee orientation including faculty and auxiliaries.
EN-13: Community Service

This credit recognizes institutions that engage their student bodies in community service, as measured by how widespread participation is at the institution.

.45/5

Requirements for Full Points:

SDSU can earn the full 3 points for the first section of this credit if its entire student body participates in community service. SDSU can earn the full 2 points for the second section if the students average 20 hours or more.

How to Improve:

SDSU could improve by making community service a graduation requirement or by incentivizing community service more than it currently does.
Who Can Help:

Student Life and Leadership could help with this credit. It seems that there are probably more students at SDSU that participate in community service than what is recorded in the STARS report. Many students in Greek life are required to complete community service hours and many student organizations participate in community service hours. If new surveys and information on community service were collected, it could increase the number of points for this credit. To improve this score, even more, SDSU could make community service a graduation requirement. Sage Club could also help with this through their club actions.

Tier 1:

1.5/5

If Tier 1 is pursued, SDSU could likely receive up to 1.5 points by determining how many community service hours were completed by Greek Life students and within student organizations.

Tier 2:

5/5

If SDSU pursued tier 2 by making community service a graduation requirement it could earn the full 5 points for this credit.
Operations (OP)

This subcategory seeks to recognize institutions that are measuring and reducing their greenhouse gas and air pollutant emissions.
OP-1: Greenhouse Gas Emissions

This credit recognizes institutions that have inventoried their greenhouse gas (GHG) emissions and that have reduced their adjusted net Scope 1 and Scope 2 GHG emissions.

4.52/10

Requirements for Full Points:

SDSU can receive full points for part 1 of this credit when its publicly available GHG emissions inventory have been validated or verified (internally or by a third party), covers all Scope 1 and Scope 2 GHG emissions, and includes emissions from six categories of Scope 3 GHG emissions. SDSU can earn the full 4 points available for Part 2 of this credit by achieving zero adjusted net Scope 1 and 2 GHG emissions per campus user. Also, SDSU can earn the 4 points available for Part 3 of this credit by achieving zero adjusted net Scope 1 and 2 GHG emissions per gross square foot.

How to Improve:

SDSU can improve by lowering its overall GHG gas emission through several different tactics for campus users and for the campus operations.
Who Can Help

Sustainable SDSU will likely be the department who will lead the effort to lower GHG emissions for SDSU.

**Tier 1**

6/10

If tier 1 is pursued SDSU will earn 6 points by cutting its GHG emissions by 10%

**Tier 2**

7/10

If tier 2 is pursued SDSU can earn 7 points by cutting its emissions by 15%
OP-2: Outdoor Air Quality

This credit recognizes institutions that are working to protect ecosystems and human health by minimizing atmospheric pollution and protecting outdoor air quality. Parking and transporation could help

0.5/1

Requirements for Full Points:

SDSU can earn the full point for this credit by having policies or guidelines in place to improve outdoor air quality and minimize air pollutant emissions from mobile sources. Also by completing an inventory of significant air emissions from stationary sources on campus or else verified that no such emissions are produced.

How to improve:

SDSU can improve by completing the inventory or significant air emissions from stationary sources.
Who Can Help:

Sustainable SDU can help with the credit by monitoring emissions.

Tier 1:

1/1

If Tier 1 is pursued SDSU will gain the full point this credit by completing an inventory of significant air emissions from stationary sources on campus.
OP-3: Building Operations and Maintenance

This credit recognizes institutions that operate and maintain their buildings in ways that protect the health of building occupants and the environment.

.31/5

Requirements for Full Points:

SDSU can earn full points for this credit by having all of its eligible space certified at the highest achievable level under a rating system for existing buildings used by an Established Green Building Council (GBC) in the institution’s locality, e.g., LEED O+M, certification level Platinum. Incremental points are awarded for buildings that reach LEED platinum or are certified at any level by a GBC.

How to Improve:

SDSU's score will improve as new buildings are constructed and receive LEED certifications. The campus can also improve the score by retrofitting existing buildings and then having them accessed and certified by a GBC.
Who Can Help:

Sustainable SDSU will help with this effort through advocating to have all new buildings constructed on campus to be at least LEED certified Silver.

Tier 1:

.5/5

If Tier 1 is pursued SDSU can likely earn .5 points by the formation of the new buildings that are being built on campus. All newly constructed buildings on campus have to be minimum certified LEED silver which will help improve this score.

Tier 2:

2/5

If Tier 2 is pursued SDSU will earn 2 of the 5 points if SDSU West is constructed due to that fact that it will be at least LEED silver when constructed.
OP-4: Building Design and Construction

This credit recognizes institutions that have incorporated environmental features into their design and construction projects.

1.97/3

Requirements for Full Points:

SDSU can earn full points for this credit by having all eligible building space completed during the previous five years certified at the highest achievable level under a green building rating system for new construction and major renovations used by a Green Building Council (GBC) e.g. LEED.

How to Improve:

SDSU's score will improve from the construction on all new buildings since they are all required to meet LEED Silver certifications. The score could also improve if new requirements are enacted that require new buildings to be higher than LEED silver.
Who can Help:
Planning, design, and construction will help with this through the construction of new buildings which will all be at least LEED Silver

Tier 1:

2.2/3

If Tier 1 is pursued, SDSU will gain 2.2 points for this credit by the construction on its new buildings, especially if SDSU West is constructed.

Tier 2:

2.5/3

If Tier 2 is pursued SDSU can earn 2.5 points by making all new buildings constructed minimum LEED Gold or higher.
OP-5: Building Energy and Consumption

This credit recognizes institutions that have reduced their building energy usage.

2.4/6

Requirements for Full Points:

SDSU can earn the full 3 points available for Part 1 of this credit by reducing building energy consumption per gross square foot/metre of floor area by 50 percent compared to a baseline. SDSU can earn the full 3 points available for Part 2 when its annual building energy consumption is 90 percent or more below the minimum performance threshold of 65 Btu per gross square foot per Fahrenheit degree day (389 Btu per gross square meter per Celsius degree day).
Who Can Help

Sustainable SDSU will be able to help through initiatives, actions, and decision making that relates to building energy consumption

Tier 1

3/6

If tier 1 is pursued SDSU can earn 3 points by reducing building energy consumption by 5%.

Tier 2

4/6

If tier 2 is pursued SDSU will earn 4 points by reducing building energy consumption by 10%.
OP-6: Clean and Renewable Energy

This credit recognizes institutions that support the development and use of energy from clean and renewable sources.

Requirements for Full Points:

SDSI can earn the maximum of 4 points for this credit by obtaining energy from clean and/or renewable sources or from purchasing green power from the electric utility.

How to improve:

SDSU's score will improve once if the campus decides to install more solar panels. The campus will also start to consume more clean energy as the city's grid becomes greener.
Who can Help

Sustainable SDSU will help with them by increasing the amount of renewable energy on campus.

Tier 1

\[ \frac{1}{4} \]

SDSU will gain .05 points for this credit by adding a megawatt of solar power on campus.
OP-7: Food and Beverage Purchasing

This credit recognizes institutions that are supporting sustainable food systems through their food and beverage purchases.

0/6

Requirements for Full Points:

SDSU can earn the full 4 points available for Part 1 of this credit when 75 percent of total food and beverage expenditures are on products that are third party verified or both local and community-based. SDSU can earn the full 2 points available for Part 2 of this credit by purchasing no conventional animal products.

How to Improve:

SDSU's score can improve if the university begins to record and keep track of how much of their purchased foods are third party verified, local and community based, and other sustainability attributes.
Who Can Help:

Aztec shops could help with this credit by starting to keep track of which foods are organic, local, and more. Sustainable SDSU could also help with this effort by providing an intern who could track this information. This could also lead to Aztec shops pursuing the real food challenge. Once this information is collected Aztec Shops will likely buy more organic and local products

**Tier 1:**

2/6

If Tier 1 is pursued SDSU will gain 1.3 points when Aztec shops starts to track the number of products that are local and organic and if they pursue the Real Food Challenge. After this data is compiled SDSU will probably earn close to 2 points.

**Tier 2:**

3/6

If Tier 2 is pursued and after the Real Food Challenge is started and assessed, Aztec Shops will likely begin to purchase more local and organic options.
OP-8: Sustainable Dining Options

This credit recognizes institutions that are supporting sustainable food systems and minimizing the impacts of their dining service operations.

1.38/2

Requirements for Full Points:

SDSU can learn the full 2 points for this credit if it implements more sustainable dining initiatives on campus.

How to Improve:

SDSU could implement initiatives and programs such as a vegan dining program, meatless Monday, sustainability-themed meals, discounts to people who bring their own reusable containers or working with vendors to reduce their waste.
Who Can Help:

Aztec shops and Food and Dining Services could help with more sustainable dining options. Students could also contribute by requesting more sustainable dining options such as a vegan dining program or discounts for providing reusable food containers.

**Tier 1:**

1.5/2

If Tier 1 is pursued SDSU will earn 1.5 points by implementing one sustainability dining option such as a vegan dining program or sustainability based meals SDSU could gain a partial point for this credit.

**Tier 2:**

2/2

If tier 2 is pursued SDSU will gain full points by implementing at least 4 more sustainability dining options.
OP-9: Landscape Management

This credit recognizes institutions that manage their grounds sustainably.

Requirements for Full Points:

SDSU can earn the full 2 points for this credit when 100 percent of campus grounds are managed by a program that has eliminated the use of inorganic fertilizers and chemical pesticides, fungicides, and herbicides.

How to Improve:

SDSU can create and implement an Integrated Pest Management (IPM) program for the grounds of the campus. An IPM is based on determining the threshold of the number of pests before actions are needed and determining which weeds and animals you need to control. From this information, prevention is pursued through crop rotation and less risk control methods using pesticides as a last resort.
Who can Help:

Landscape Services can help with the effort to implement an Integrated Pest Management (IPM) program on campus. Campus grounds are already heading in the direction of using more organic products which seems to be headed into the direction of adopting an IPM.

Tier 1:

1/2

If Tier 1 is pursued 1 point of this credit could be earned through piloting an IPM on half of the campus's grounds.

Tier 2:

2/2

If Tier 2 pursued SDSU will gain the full 2 points for this credit by implementing an IPM on the entire campus' grounds.
OP-11: Sustainable Procurement

This credit recognizes institutions that apply sustainability criteria when making procurement decisions.

1.25/3

Requirements for Full Points:

SDSU could earn the full 0.5 points for Part 1 of this credit for having written policies, guidelines or directives that seek to support sustainable purchasing across commodity categories, institution-wide. SDSU can earn the full 1 point for Part 2 of this credit for employing Life Cycle Cost Analysis (LCCA) as a matter of policy and standard practice when evaluating all energy- and water-using products and systems. SDSU can earn the full 1.5 points for section 3 of this credit by publishing sustainability criteria for multiple products.

How to Improve:

For full points, SDSU can implement Life Cycle Cost Analysis and sustainability criteria when evaluating energy and water using products and systems, chemically intensive products and services, construction and renovation projects, food and services, and professional services.
Who can Help:

The CSU Chancellor's Office can help with this effort by making it mandatory to have an LCCA for all energy and water using products. Sustainable SDSU could help write an LCCA for energy and water products on campus, and this would have to be pitched to the main purchasers on campus. The CSU Chancellors could also help by making LCCAs for more products.

Tier 1:

2.25/3

If Tier 1 is pursued, SDSU will gain a point for this credit by establishing a LCCA for all energy and water using products.

Tier 2:

3/3

If Tier 2 is pursued, SDSU will gain the full 3 points for this credit by establishing and implementing an LCCA for at least three more areas (construction and renovation projects, IT projects, food services, etc).
OC-12: Electronics Purchasing

This credit recognizes institutions that are supporting markets for environmentally preferable computers and other electronic products.

0/1

Requirements for Full Points:

SDSU can earn the full 1 point for this credit by purchasing EPEAT Gold, electronics exclusively.

How to Improve:

SDSU can begin purchasing EPEAT Gold, electronics exclusively.
Who can Help:

SDSU Procurement can help with the future purchases of EPEAT Gold electronics. There is now a policy that requires all new electronics will be EPEAT Gold which procurement will oversee.

Tier 1:

.5/1

If Tier 1 is pursued SDSU will gain .5 points for this credit by purchasing half of their new electronics that are certified EPEAT Gold.

Tier 2:

1/1

If Tier 2 is pursued, SDSU will gain the full point for this credit by only buying electronics that are certified EPEAT Gold.
OP-13: Janitorial Cleaning

This credit recognizes institutions that purchase green cleaning and janitorial products.

.65/1

Requirements for Full Points:

SDSU can earn the full 1 point available for this credit by purchasing exclusively green cleaning and janitorial paper products.

How to Improve:

SDSU can earn the full 1 point by increasing its purchasing of green janitorial products to 100%.
Who can Help:

Custodial Services, SDSU Housing, and Aztec Shops can help with this credit by each increasing their purchases of green janitorial products.

Tier 1:

1/1

If Tier 1 is pursued SDSU will earn the full point for this credit by solely purchasing green cleaning and janitorial paper products.
OP-14: Office Paper Purchasing

This credit recognizes institutions that purchase recycled-content and third party certified office paper.

Requirements for Full Points:
SDSU can earn the full 1 point available for this credit by purchasing exclusively office paper that contains 90-100 percent post-consumer recycled and/or agricultural residue content and/or is FSC Recycled certified.

How to Improve:
SDSU can earn the full point by purchasing only paper that is 90-100% recycled, or certified as listed above.
Who can Help:

The CSU Chancellors will likely help this effort, but SDSU Procurement will be the department to lead the action. They have already made actions towards more sustainable office products on campus, and their newest substitutions will likely improve the points for this credit.

**Tier 1:**

\[
\frac{0.5}{1}
\]

For Tier 1 the CSU chancellors sustainable office products substitutions take place it will likely increase the score for this credit.

**Tier 2:**

\[
\frac{1}{1}
\]

If Tier 2 is pursued SDSU will gain the full point for this credit by purchasing only paper that is 90-100% recycled.
OP-15: Campus Fleet

This credit recognizes institutions that use cleaner fuels and fuel-efficient vehicles.

.15/1

Requirements for Full Points:
SDSU can earn the full 1 point available for this credit when all vehicles in their fleets are alternatively fueled and/or powered.

How to Improve:
SDSU would need to completely replace any gas-powered campus vehicles to either a hybrid or other alternative powered vehicle to achieve the full point for this credit.
Who can Help:

Fleet services and procurement. The CSU Chancellors Office will help with this through their new standards that require all new campus vehicles to be zero-emission or at least hybrid.

**Tier 1:**

\[
\text{.3/1}
\]

If Tier 1 is pursued SDSU will earn a partial point by having more campus vehicles that are at least a hybrid.

**Tier 2:**

\[
\text{.5/1}
\]

If Tier 2 is pursued, SDSU will earn half of the point for this credit by having half of its campus fleet being hybrid or alternatively fueled.
OP-16: Student Modal Split

This credit recognizes institutions where students use preferable modes of transportation to travel to and from the institution.

.62/2

Requirements for Full Points:

SDSU can earn the full 2 points available for this credit by having all students use more sustainable modes of transportation for getting to and from campus.

How to Improve:

SDSU can receive the full two points by having all of its students traveling to and from campus more sustainably. More sustainable transportation would be traveling by carpooling, ride sharing, bike sharing, walking, biking/skating, scooter/motorcycle, or anything that is not a single passenger car.
Who can Help:

Students and student government within Associated Students can help with this credit. The best chance of having students travel to campus in different forms in other than single passenger cars is to increase the usership of the trolley to SDSU. To increase the usage of the trolley, trolley passes need to decrease in price to $100 or less which has been proven by research conducted by Bruce Appleyard.

Tier 1:

1/2

If Tier 1 is pursued the increase in points would likely come from the reduction in price of a trolley pass for students. Ofo bike sharing will also likely improve the score. The final thing that could increase this score will be that sophomores are now required to live on campus and therefore will not be commuting to campus in a vehicle

Tier 2:

1.2/2

If tier 2 is pursued SDSU can gain a partial point for this credit through initiatives that encourage carpooling.
OP-17: Employee Commute Modal Split

This credit recognizes institutions where employees use preferable modes of transportation to travel to and from the institution.

Requirements for Full Points:

SDSU can earn the maximum of 2 points for this credit by having all employees to use more sustainable modes of transportation for getting to and from campus.

How to Improve:

SDSU can receive the full two points by having all of its employees traveling to and from campus more sustainably. More sustainable transportation would be traveling by carpooling, ride sharing, bike sharing, walking, biking/skating, scooter/motorcycle, or anything that is not a single passenger car.
Who can Help:

The department of Parking and Transportation can help with this credit by creating and encouraging policies that promote alternative transportation to SDSU.

Tier 1:

.6/2

If Tier 1 is pursued SDSU can gain a partial point for this credit by encouraging employees to commute to campus in other forms than single passenger vehicles. This could be by encouraging vanpooling, offering incentives and bonuses for cutting down on emissions, pre-tax benefits, and engaging in an employee transit pass program with the MTD.

Tier 2:

1/2

Tier 2 being pursued will likely be the same as tier 1 but with improved incentives.
OP-18: Support for Sustainable Transportation

This credit recognizes institutions that support active transportation and commuting alternatives for its students and employees.

1.6/2

Requirements for Full Points:

SDSU can earn the full 2 points for this credit if it pursues at least 10 alternative transportation initiatives.

How to Improve:

SDSU can earn the full 2 points by adding new initiatives to the campus that will encourage sustainable transportation. Some of these could be: Bike sharing, telecommuting for employees, and programs that encourage employees to live close to campus.
Who Can Help

Parking and Transportation services and Sustainable SDSU can help with these initiatives.

Tier 1

2/2

If Tier 1 is pursued SDSU will earn the full 2 points for this credit by adding two more sustainable transportation options.
Planning and 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 students, staff, faculty, and community stakeholders in governance.
PA-2: Sustainability Planning

This credit recognizes institutions that have developed comprehensive plans to move toward sustainability.

1.5/4

Requirements for Full Points:

SDSU can earn the full 4 points for this credit by covering multiple measurable sustainability objectives in the form of a plan or plans. This can include a Climate Action Plan, Strategic Plan, Diversity Plan, Human Resources Plan, etc.

How to Improve:

To receive the full 4 points for this credit SDSU’s plans need to include measurable goals that address: Curriculum, research, campus engagement, public engagement, grounds, energy, purchasing, transportation, investment and finance, and work and wellbeing. SDSU currently has plans for many of these topics, but they don't yet have measurable goals specified.
Who can Help:

Sustainable SDSU can help with this credit.

Tier 1:

```
2.5/4
```

If Tier 1 is pursued SDSU will gain a point for this credit by establishing 4 more measurable sustainability objectives. SDSU already has many plans to pursue sustainability objectives, they just need measurable goals.

Tier 2:

```
4/4
```

If Tier 2 is pursued SDSU will gain the full points for this credit by having 10 more measurable sustainability objectives. This will likely be met once SDSU's Climate Action Plan is edited and revised.
PA-6: Support for Underrepresented Groups

This credit recognizes institutions that have programs in place to support underrepresented groups and foster a more diverse and inclusive campus community.

1.82/3

Requirements for Full Points:

SDSU can earn the 3 points available for this credit for having multiple policies that address underrepresented groups on campus.

How to Improve:

SDSU can earn the full 3 points if programs are implemented that recruit staff from underrepresented groups, programs that teach fellowships, and other programs that aim to prepare students from underrepresented groups for careers.
Who Can Help:

The Diversity Officer and Associate Vice President for Faculty Diversity and Inclusion can help with the effort to implement new programs and initiatives to provide more support for underrepresented groups. Student groups could also help with the effort to adopt new programs.

Tier 1:

1.9/3

If Tier 1 is pursued SDSU would gain .08 points by implementing programs specifically designed to recruit staff from underrepresented groups.

Tier 2:

3/3

If Tier 2 is pursued SDSU would earn the full three points by starting a program that included training and development programs, teaching fellowships and/or other programs that specifically aim to support and prepare students from underrepresented groups for careers as faculty members.
PA-7: Affordability and Access

This credit recognizes institutions that are implementing strategies to improve their accessibility and affordability.

Requirements for Full Points:

SDSU can earn the full 1 point available for Part 1 of this credit by having policies and programs in place to make it accessible and affordable to low-income students and to support non-traditional students. SDSU can earn the full 3 points available for Part 2 of this credit based on performance measurement of affordability and access.

How to Improve:

SDSU can earn the full 4 points for this credit if it publishes Information on the graduation rate of low-income students. Also, SDSU would need to publish Information on the percentage of students graduating with no interest-bearing student loan debt, or no out-of-pocket tuition is required.
Who Can Help:

Financial Aid and the Diversity Officer could help with this effort by collecting more measurements for affordability and access for SDSU.

Tier 1:

2/4

If Tier 1 is pursued SDSU will gain 0.6 points toward this credit by measuring the graduation/success rate for low-income students.

Tier 2:

2.5/4

If Tier 2 is pursued SDSU will gain 0.5 points towards this credit by measuring the percentage of students graduating with no interest-bearing student loan debt or for whom no out-of-pocket tuition is required.
PA-8: Committee on Investor Responsibility

This credit recognizes institutions with an established and active committee on investor responsibility (CIR) with multi-stakeholder representation.

0/2

Requirements for Full Points:
SDSU can earn the full 2 points available for this credit for having a CIR or equivalent body that has multi-stakeholder representation (including staff, faculty, and students).

How to Improve:
SDSU can earn the full 2 points by creating a CIR that includes staff, faculty, and students within the Campanile Foundation.
Who can Help:

The CFO of the Campanile Foundation and the Campanile Foundation itself can help with the effort to gain more points for this credit since they are in charge of SDSU's investments. Students of SDSU could also help with this by requesting to create a Committee on Investor Responsibility.

Tier 1:

1/2

If Tier 1 is pursued SDSU will gain 1 point for this credit by creating a Committee on Investor Responsibility that includes faculty and staff.

Tier 2:

2/2

If Tier 2 is pursued SDSU will gain the full 2 points for this credit by including students in its Committee on Investor Responsibility.
PA-9: Sustainable Investment

This credit recognizes institutions that use their investment power to promote sustainability.

Requirements for Full Points:

SDSU can earn the full 4 points for this credit if the Campanile Foundation were to invest 30% of its funds sustainably and if it engaged in different forms of investment engagement criteria. SDSU could also earn the full 4 points by investing 60% of its funds sustainably.

How to Improve:

SDSU can earn the full 4 points by either of the methods listed above. Currently, SDSU does no reveal how its funds are invested, so it is impossible to know how close we are to achieving any of these points. A way to improve this score would be to divest from fossil fuels and to invest the campus' funds sustainably. California Universities have a sustainable investment framework that SDSU and the other CSUs could use for their future investments.

Who Can Help:

The CFO of the Campanile Foundation and the Campanile Foundation itself can help with the effort to gain more points for this credit since they are in charge of SDSU's investments. Environmental student groups could also help with this by requesting that the campus spends its money on sustainable investments.

Tier 1:

2/4

If Tier 1 is pursued SDSU can earn 2 points for this credit by investing 15% of its investment pool sustainably and meeting all of the investor engagement criteria. SDSU can also earn 2 points by investing 30% of its investment pool sustainably.

Tier 2:

4/4

If Tier 2 is pursued SDSU can earn the full points for this credit by investing 30% of its investment pool sustainably and by meeting all of the investor engagement criteria. SDSU can also earn the full 4 points for this credit by investing 60% of its investment pool sustainably.
PA-10: Investment Disclosure

This credit recognizes institutions that regularly make their investment holdings publicly available.

0/1

Requirements for Full Points:

SDSU can earn the full 1 point available for this credit by making a snapshot of its entire investment holdings publicly available.

How to Improve:

SDSU can earn the full point by publishing its investments. Getting the investments published will help determine how much of its funds are invested sustainably which may encourage students to demand a change in investments.
Who Can Help:
The Campanile Foundation would be the organization in charge of deciding to release an investment disclosure or not.

Tier 1:

\[ \frac{.5}{1} \]

If Tier 1 is pursued SDSU can earn half a point for this credit by providing a snapshot on half its investment pool.

Tier 2:

\[ \frac{1}{1} \]

If Tier 2 is pursued SDSU can earn the full point for this credit by providing a snapshot on its entire investment pool.
PA-12: Assessing Employee Satisfaction

This credit recognizes institutions that support the engagement of their employees by conducting a regular survey or other evaluation.

.5/1

Requirements for Full Points:
SDSU can earn the full 1 point available for this credit by conducting an assessment of employee satisfaction and engagement that covers all employees.

How to Improve:
SDSU can gain the full 1 point by assessing every employee's satisfaction. This could be sent out over email and made mandatory to guarantee that it gets completed.
Who Can Help:

Human Resources can help with this credit by assessing employees education by the next STARS submission.

Tier 1:

1/1

If Tier 1 is pursued SDSU will gain the full point for this credit by assessing all employees satisfaction.