



**Rancho Santiago Community College District**  
**Sustainable RSCCD Committee**

**March 20, 2019**  
**District Office**  
**Executive Conference Room #114**  
**3:00 – 4:00 p.m.**

**Agenda**

1. Committee Description and Committee Membership Draft – Matsumoto
2. Draft Revised Sustainability Plan Programs, Projects and Planning Implementation List –  
Matsumoto
3. College Earth Day Events  
Santiago Canyon College – Satele  
Santa Ana College – Kennedy
4. Other

**Next Meeting:**  
May 15, 2019  
3:00 p.m.  
Executive Conference Room #114

**Mission Statement**

The mission of the Rancho Santiago Community College District is to provide quality educational programs and services that address the needs of our diverse students and communities.

The mission of Santa Ana College is to inspire, transform, and empower a diverse community of learners.

Santiago Canyon College is an innovative learning community dedicated to intellectual and personal growth. Our purpose is to foster student success and to help students achieve these core outcomes: to learn, to act, to communicate and to think critically. We are committed to maintaining standards of excellence and providing the following to our diverse community: courses, certificates and degrees that are accessible, applicable, and engaging.

## Sustainable RSCCD Committee

### Purpose

The Sustainable RSCCD Committee is a participatory governance committee, working with the campus committees, responsible for raising awareness within the district and making recommendations to the Chancellor concerning the conservation of energy and other resources and the implementation of sustainability practices that impact the district and community.

### Responsibilities

- Promote and nurture new patterns of thinking about college and district operations, practices, learning programs, support services and the relation to the local community that include consideration of conservation of energy and sustainability.
- Develop a comprehensive plan to achieve climate neutrality.
- Create institutional structures and identify resources relating to conservation of energy and sustainability to guide and support the implementation of the comprehensive plan.
- Complete an inventory of all greenhouse gas emissions and update that inventory **at least once every two years**.
- Encourage the development of curriculum that raises awareness about climate neutrality and sustainability and that offers a career path to employment in “green” technologies.
- Review the status of and develop objectives related to improving and maintaining the “green infrastructure” of the district and colleges.
- Provide periodic progress reports on the accomplishments of the committee.

### Membership

#### District Representatives

- Chancellor
- Assistant Vice Chancellor, Facilities – Chair

#### College Representatives

- Vice President, Administrative Services – SAC
- Vice President, Administrative Services – SCC
- Vice President, CEC
- Vice President, OEC

#### Faculty Representatives\*

- Two faculty members as appointed by the SAC Academic Senate
- Two faculty members as appointed by the SCC Academic Senate

#### Classified Representatives\*

- Four classified representatives as appointed by CSEA

#### Student Representatives

- Two students as appointed by the SAC Associated Student Government
- Two students as appointed by the SCC Associated Student Government

\* If possible, faculty and classified representatives will be appointed to a two year term. To ensure committee continuity, the terms will be staggered. Initial appointment by half of the representatives will be for a two year term and the other half of the representatives will be for a three year term.

## GOALS OF THE SUSTAINABILITY PLAN

The Sustainable RSCCD Committee (SRC) has identified the following sustainability goals and priorities. The goals and priorities for the Sustainability Plan reflect campus needs, interests, and available resources.

### Goal 1- Campus & Community Engagement

Encourage participation in and awareness of sustainability issues through effective education and engagement. Integrate sustainability into all facets of student life, including student government, clubs, and organizations.

### Goal 2- Curriculum Development

Facilitate the inclusion of environmental sustainability and social responsibility into existing curriculum and develop new curricula and career-oriented certificate and training courses with an emphasis on sustainability.

### Goal 3- Energy

Utilize 2012-2013 benchmark study to establish annual energy use and demand reduction goals (target 5% reduction). Plan appropriate energy efficiency, demand reduction, or clean self-generation measures by mid-2015 to meet reduction goals.

### Goal 4- Facilities Design & Operation

Design and construct all major capital projects and renovations to meet LEED Silver “equivalent” standard and operate facilities to meet solid waste, energy, and water use reduction goals. Employ sustainable landscaping practices.

### Goal 5- Solid Waste Management

Continue to implement the landfill diversion program, expand it to include all sectors of recycling and waste reduction to landfills, and strive to meet the statewide landfill recycling goal of 75% by 2020.

### Goal 6-Sustainable Procurement

Implement efforts to source campus food, materials, supplies, information technology, equipment, and resources from organizations committed to social responsibility and environmental sustainability.

### Goal 7- Transportation

Reduce the reliance of students, faculty, and staff on single occupancy vehicle commutes by 5% within the next five years, and encourage the use of low and zero emissions vehicles.

### Goal 8- Water Management

Perform water use benchmarking studies at both campuses and the District Office to better understand usage as compared to similar facilities and community college peers. Based on the results, establish annual water use reduction goals and plan appropriate measures to achieve goals.

The goals described above will apply to both Santa Ana College and Santiago Canyon College, the education centers, and the District Office. The goals are listed in numerical order, and are not necessarily listed by priority.

#### Vision Statement

*The Rancho Santiago Community College District holds sustainability to be a foundational principle in its current and future development. As a responsible steward of natural resources and the environment, the District will endeavor to minimize its impact on the environment by implementing best practices for conserving resources, reducing waste, implementing energy reduction and alternative energy generation strategies, constructing efficient buildings, and by developing partnerships that will further these activities.*

**RSCCD Sustainability Plan Summary**  
**DRAFT REVISED Programs, Projects, and Planning Implementation List**  
**Revised Date: March 20, 2019**

| Section 4.1 MANAGEMENT AND ORGANIZATIONAL STRUCTURE |  |  |   |   |                    |                 |
|---|--|--|---|---|--------------------|-----------------|
| Section   | Selected Program or Project                                |  | Action Items/Notes  | Assigned To   | Associated GOAL(s) | Status (select) |
| 4.1.1   | Adopt a District Sustainability Policy                     |  |   | Chancellor  | 1                  | Complete        |
| 4.1.3   | Appoint a District Sustainability Committee                |  |   | Chancellor  | 1                  | Complete        |
| 4.1.4   | Funding and Resources to Support Sustainability Activities |  | Measure E, Measure Q, and Prop 39 Funds; Utility Incentives | Assistant Vice Chancellor of Facility Planning, District Constructon, and Support Services (AVCF) & VP's of | 1-8                | Ongoing         |
| 4.1.5   | Employ Sustainability Professionals, as required           |  |   | AVCF  | 3,4                | Ongoing         |
| 4.1.7   | Integrate Sustainability Planning into Campus Master Plan  |  |   | AVCF  | 3,4                | Complete        |

| Section 4.2 ENERGY EFFICIENCY |   |  |   |                                      |                    |                 |
|-------------------------------|---|--|---|--------------------------------------|--------------------|-----------------|
| Section                       | Selected Program or Project                                 |  | Action Items/Notes  | Assigned To                          | Associated GOAL(s) | Status (select) |
| 4.2.1                         | Set Energy Efficiency Goals                                 |  | Annual energy use reduction goals to be established based on 2012-13 baseline data  | AVCF & VP of Administrative Services | 3                  | Complete        |
| 4.2.4                         | Conduct Comprehensive Facility Energy Audits                |  | DO currently in process of compiling baseline data for audit inconjunction with SCE & CCC-IOU Partnership                                       | AVCF                                 | 3                  | Ongoing         |
| 4.2.5                         | Implement New and Existing Audit Recommendations            |  |   | AVCF                                 | 3                  | In-Process      |
| 4.2.8                         | Identify and Take Advantage of Grant and Incentive Programs |  | Measure E, Measure Q, and Prop 39 Funds, CCC-IOU Partnership  | AVCF & VP of Administrative Services | 3                  | In-Process      |
| 4.2.9.2                       | Efficient Lighting and Lighting Controls                    |  |   | AVCF                                 | 3                  | In-Process      |
| 4.2.9.3                       | Install Energy Efficient HVAC Systems                       |  | Chilled Water Central Plant planned at SAC; Upgraded HVAC control system planned at SCC; DO plans to replace chillers, cooling tower, and pumps | AVCF                                 | 3                  | In-Process      |

| Section 4.3 FACILITIES OPERATION |  |   |  |                    |                 |
|----------------------------------|--|---|--|--------------------|-----------------|
| Section                          | Selected Program or Project                                  | Action Items/Notes  | Assigned To  | Associated GOAL(s) | Status (select) |
| 4.3.1                            | Encourage and Support Energy Efficiency Training of Staff    | M&O staff trained to operate EMS; ongoing training programs to be developed for specific systems as well  | Site & Campus Facility Manager                         | 3,4                | Ongoing         |
| 4.3.2                            | Install Energy Management Systems                            | EMS currently installed (SCC); Plans to install a new, more robust EMS at both campuses; Meet Title 24  | AVCF   | 3,4                | In-Process      |
| 4.3.3                            | Adjust Temperature Set Points and Schedule Operating Times   | Development of facility design standards and demand-response program currently in progress with SCE   | AVCF, VP of Administrative Services, Facility Managers | 3,4                | In-Process      |
| 4.3.4                            | Optimize Building Occupancy Scheduling                       |   | Site & Campus Facility Manager                         | 3,4                | Ongoing         |
| 4.3.5                            | Optimize HVAC Equipment Scheduling                           |   | Site & Campus Facility Manager                         | 3,4                | Ongoing         |
| 4.3.6                            | Activate Energy-Saving Features for Appliances and Computers | Measures currently in place at SCC; District plans to evaluate and implement other IT -related energy savings technologies, including PC Power Mgmt and Server Virtualization                           | ITS, Site/Campus Facility Manager                      | 3,4                | In-Process      |
| 4.3.7                            | Pursue Monitoring-Based(MBCx)/Retro-Commissioning (RCx)      | Working with the CCC/IOU Partnership, develop a Retro-commissioning (RCx) and Monitoring Based Commissioning (MBCx) implementation program to improve energy efficiency of major facilities operations. | AVCF   | 3,4                | In-Process      |

| Section 4.4 SUSTAINABLE BUILDING PRACTICES |   |   |   |                    |                 |
|--|---|---|---|--------------------|-----------------|
| Section                                    | Selected Program or Project   | Action Items/Notes  | Assigned To   | Associated GOAL(s) | Status (select) |
| 4.4.1                                      | Establish a Green Building Standard   | District is currently developing District design standards and implementing those that are already in place                                     | AVCF  | 3,4,8              | In-Process      |
| 4.4.2                                      | Implement Sustainable Design Practices  |   | AVCF, VP of Administrative Services                               | 1,3,4,6,8          | Ongoing         |
| 4.4.3                                      | Use an Integrated Systems Approach in Building Design                               |   | AVCF  | 1,3,4,6,8          | Ongoing         |
| 4.4.5                                      | Commission New Buildings & Maintain Appropriate Operations to Support Functionality | Two buildings completed in 2012 and 2014 have been commissioned; District is committed to commissioning all new buildings in the future as well | AVCF, VP of Administrative Services, Site/Campus Facility Manager | 3,4                | In-Process      |

| Section 4.5 ON-SITE GENERATION AND RENEWABLE ENERGY |   |   |                                     |                    |                 |
|---|---|---|-------------------------------------|--------------------|-----------------|
| Section   | Selected Program or Project                                 | Action Items/Notes  | Assigned To                         | Associated GOAL(s) | Status (select) |
| 4.5.1   | Evaluate Clean Cogeneration and Renewable Energy Generation | Comprehensive photovoltaic system feasibility study at SCC and SAC currently under review | AVCF, VP of Administrative Services | 3                  | In-Process      |
| 4.5.2   | Evaluate Load Shifting Technologies                         | In-process at SAC; planned at SCC as part of future central plant                         | AVCF, VP of Administrative Services | 3                  | In-Process      |

| Section 4.6 TRANSPORTATION, COMMUTING, AND CAMPUS FLEET & TRAVEL |   |   |   |                    |                 |
|--|---|---|---|--------------------|-----------------|
| Section  | Selected Program or Project   | Action Items/Notes  | Assigned To                                 | Associated GOAL(s) | Status (select) |
| 4.6.1  | Understand Commute and Travel Patterns                              | Conduct traffic counts and surveys to determine baseline for commuting trips and total Vehicle Miles Traveled to both campuses; Parking demand analysis updated for SAC | AVCF, VP of Administrative Services, Campus | 1,7                | In-Process      |
| 4.6.2  | Encourage and Enhance Public Transportation and Ridesharing Options | Several initiatives currently planned or in place including: Increase Awareness, Facilitate Public Transit Use, and Incentivize Public Transportation and Carpooling    | VP of Administrative Services, Campus       | 1,7                | In-Process      |
| 4.6.3  | Encourage and Enhance Bicycling Options                             | Add bike racks; plan for and communicate the availability of showers for commuters; add bike lockers or other secured storage   | VP of Administrative Services, Campus       | 1,7                | Ongoing         |
| 4.6.4  | Improve Campus Fleet & Travel                                       | District will continue to upgrade campus fleets with more fuel efficient vehicles   | VP of Administrative Services, Campus       | 7                  | Ongoing         |
| 4.6.5  | Enhance Student Distance Learning                                   | Expand and enhance distance-learning education course offerings; Full-time faculty coordinator hired (July 2014) to manage distance-learning program                    | VP of Administrative Services, Campus       | 1,7                | Ongoing         |
| 4.6.6  | Encourage Low or Fuel-Efficient Vehicles for Commuters              |   | VP of Administrative Services, Campus       | 1,7                | Ongoing         |

| Section 4.7 WATER, WASTEWATER, AND SUSTAINABLE LANDSCAPING |   |  |   |                    |                 |
|--|---|--|---|--------------------|-----------------|
| Section  | Selected Program or Project                               | Action Items/Notes   | Assigned To   | Associated GOAL(s) | Status (select) |
| 4.7.1  | Establish Water Conservation Goals                        | Perform benchmarking studies by mid-2015. Establish annual water use reduction goals (minimum 5% below average for similar facilities) and plan appropriate measures to meet reduction goals by end of 2015 for implementation.                  | AVCF, VP of Administrative Services, Site-specific/Campus | 8                  | Planned         |
| 4.7.2  | Implement Water Conservation Strategies                   | Several water conservation measures have been implemented throughout the District; Included in Facility Design Standards   | AVCF, VP of Administrative Services, Site-specific/Campus | 8                  | Ongoing         |
| 4.7.3  | Reduce Storm Water, Sewer Discharges, and Water Pollution | Plans to implement rain gardens and bio swales in place; Erosion control systems have been implemented as well as a Storm Water Pollution Prevention Program   | AVCF, VP of Administrative Services, Site-specific/Campus | 8                  | Ongoing         |
| 4.7.4  | Adopt Sustainable Landscaping Practices                   | Campus Landscape Improvement Program at SAC and the Coastkeeper Garden at SCC (implemented/on-going); District will continue to landscape with native plants and employ water-wise landscaping practices ; Included in Facility Design Standards | AVCF, VP of Administrative Services, Site-specific/Campus | 8                  | In-Process      |

| Section 4.8 SOLID WASTE REDUCTION AND MANAGEMENT |  |  |                                    |                    |                 |
|--|--|--|------------------------------------|--------------------|-----------------|
| Section  | Selected Program or Project                          | Action Items/Notes   | Assigned To                        | Associated GOAL(s) | Status (select) |
| 4.8.1  | Create Waste Reduction Goals                         | Establish 2014 as a baseline year for diversion measurement and develop a plan with appropriate measures by mid-2015 to meet goals. Evaluate diversion results annually and update program as needed to meet goals | Site & Campus                      | 5                  | Planned         |
| 4.8.2  | Maximize Programs Offered by Contracted Waste Hauler | SRC waste management subcommittee working to establish scope of services for expanded recycling throughout the District  | Director of Purchasing, Campus     | 5                  | In-Process      |
| 4.8.3  | Reduce Waste Stream to the Landfill                  | District plans to reduce waste stream to the landfill through the following: Raise Awareness of Waste Reduction; Minimize Unnecessary Waste; Reduce Paper Use; Support Producer Responsibility Programs            | Director of Purchasing, Campus     | 1,5,6              | Ongoing         |
| 4.8.4  | Improve Existing Recycling Programs                  |  | Campus                             | 1,5                | In-Process      |
| 4.8.6  | Green Waste and Food Waste Composting                | SCC current contract agreement with landscape contractor requires that all waste is composted; District plans to explore possibility of food-waste composting program district-wide                                | Director of Purchasing, Campus     | 5                  | In-Process      |
| 4.8.7  | Adopt Construction and Demolition (C&D) Recycling    | C&D recycling requirements currently in place  | AVCF                               | 5                  | Complete        |
| 4.8.8  | Consider feasibility of Recycling                    |  | VP Administrative Services, Campus | 5                  | Planned         |

| Section 4.9 GREEN PURCHASING |                             |   |  |                    |                 |
|------------------------------|-----------------------------|---|--|--------------------|-----------------|
| Section                      | Selected Program or Project | Action Items/Notes  | Assigned To                            | Associated GOAL(s) | Status (select) |
| 4.9.1                        | Sustainable Food Purchasing | Both colleges to explore healthier cafeteria food options, including vegan, vegetarian, organic, and locally produced items | Director of Auxillary Services, Campus | 1,6                | Planned         |
| 4.9.2                        | Green Purchasing Practices  | RSCCD will create a Green Purchasing Policy in 2015 aimed at campus-wide, sustainable procurement                           | Director of Purchasing, Campus         | 6                  | Planned         |

| Section 4.10 STUDENT AND CURRICULUM DEVELOPMENT |   |   |             |                    |                 |
|---|---|---|-------------|--------------------|-----------------|
| Section   | Selected Program or Project   | Action Items/Notes  | Assigned To | Associated GOAL(s) | Status (select) |
| 4.10.1  | Create a Sub-Committee in the Associated Student Government Devoted to Sustainability                       |   | Campus      | 1                  | Planned         |
| 4.10.2  | Provide Professional Development and Create a Faculty Forum   | Flex Day workshops at SCC and SAC to incorporate sustainability topics; Working committee of faculty to be created tasked with the implementation and advancement of the RSCCD "Curriculum Development" goal          | Campus      | 1,2                | Planned         |
| 4.10.3  | Utilize Different Pathways to Integrate Sustainability in the Curriculum                                    | Sustainability has been integrated extensively within curriculum at both colleges; Plans in place to increase availability of these courses and to create new sustainability - oriented/ focused courses and programs | Campus      | 1,2                | In-Process      |
| 4.10.4  | Advocate for Change at the Statewide Level  | District hopes to send representatives to the Higher Ed Sustainability Conference   | Campus      | 1                  | Planned         |
| 4.10.5  | Training Opportunities for Students   | Facilitate Hands-On Campus Projects; Invite Notable Speakers; Support Student Committees and Clubs  | Campus      | 1,2                | In-Process      |
| 4.10.6  | Joint Meeting with Faculty & Staff from Academic Senate and students from the Associated Student Government |   | Campus      | 1                  | Planned         |

| Section 4.11 CAMPUS AND COMMUNITY OUTREACH & AWARENESS |   |   |   |                    |                 |
|--|---|---|---|--------------------|-----------------|
| Section  | Selected Program or Project                         | Action Items/Notes  | Assigned To                                       | Associated GOAL(s) | Status (select) |
| 4.11.1   | Create a Website Dedicated to Campus Sustainability |   | Campus  | 1                  | Complete        |
| 4.11.3   | Sustainability Events                               | Several sustainability events at SCC and SAC have occurred/ are on-going; Transportation subcommittee to plan "Bike to Work" day  | Campus  | 1,7                | In-Process      |
| 4.11.4   | Campus Specific Outreach & Awareness                | Sustainability Student, Faculty & Staff survey completed Spring 2014; To be repeated annually; Develop Campus & Community Engagement Plan by the Spring Semester of 2015 with implementation by the Fall Semester of 2015 | Campus  | 1                  | In-Process      |
| 4.11.5   | Community Specific Outreach & Awareness             | Public transportation partnerships with the District (see 4.6); Campus & Community Engagement Plan by the Spring Semester of 2015 with implementation by the Fall Semester of 2015  | Campus, Director of Public Affairs & Publications | 1,7                | In-Process      |

| Section 4.12 CREATE A CLIMATE ACTION PLAN |  |  |   |                    |                 |
|---|--|--|---|--------------------|-----------------|
| Section                                   | Selected Program or Project                          | Action Items/Notes   | Assigned To   | Associated GOAL(s) | Status (select) |
| 4.12.5                                    | Make a Commitment to Reduce Greenhouse Gas Emissions | Energy-Efficient Programs & Demand Reponse Program participation | AVCF, VP of Administrative Services, Site/Campus Facility Manager | 2,3,4,5,6,7        | Planned         |