

ADMINISTRATIVE SERVICES, STUDENT SERVICES AND PRESIDENT'S CLUSTER ANNUAL PROGRAM PLAN WORKSHEET

Program: Cuesta Sustainability Resource Center

Planning Year: 2019-2020

Last Year CPPR Completed: 2018-2019

Unit: Workforce Economic Development & Community Programs

Cluster: Workforce Economic Development

Please complete the following information. Please note that responses are not required for all elements of this document.

I. GENERAL PROGRAM INFORMATION

- A. Describe changes to program mission, if applicable.

The Cuesta Sustainability Resource Center- CSRC continues to focus on bringing education related to renewable energy and sustainability concepts to local schools. The workforce training in the area of sustainability and the green economy has not received much attention in the past few years. A recent partnership with San Luis Obispo County and other agencies has renewed attention to this aspect of the program mission.

- B. Describe any changes in primary relationships, internal and external, to the District.

The CSRC continues to reach out to local teachers, schools and districts to promote the availability of educational resources in renewable energy and sustainability concepts. Each year new teachers and administrators are partnering with the program. A recent collaboration on green business certification has renewed the partnership with San Luis Obispo County Planning and Building and other agencies and cities.

- C. List any changes to program service, including changes and improvements, since last year, if applicable.

There have no changes to program service, but the program does continue the effort to expand the number of schools served with both the educational resources as well as assistance in completing the Green Ribbon School Award application process.

- D. List changes to program in the last year in reference to relevant statutory authority/program regulation and related compliance issues, if any.

None

II. ANNUAL PROGRAM SUPPORT OF DISTRICT'S MISSION STATEMENT, INSTITUTIONAL GOALS, INSTITUTIONAL OBJECTIVES, AND/OR INSTITUTIONAL LEARNING OUTCOMES

A. Provide updates, if any, in how your program addresses or helps to achieve the District's Mission Statement in the last year.

- a. Cuesta College is an inclusive institution that inspires a diverse student population to achieve their educational goals.
 - i. The CSRC provides educational outreach to diverse student populations to K-12 schools throughout SLO County, with a focus on K-6.
- b. We effectively support students in their efforts to improve foundational skills, earn certificates or associate degrees, transfer to four-year institutions, and advance in the workforce.

Not applicable

- c. Through innovative and challenging learning opportunities, Cuesta College enhances lives by promoting cultural, intellectual, personal, and professional growth. We prepare students to become engaged citizens in our increasingly complex communities and world.
 - i. The CSRC promotes critical thinking skills to both the K-6 teachers that participate in the program and to their pupils, who complete the learning activities provided to the teachers by the CSRC. The CSRC also promotes critical thinking skills through its educational outreach in cutting edge energy and sustainability related topics. Student interns participate in events within their community promoting sustainability education.

B. Provide updates, if any, to how your program addresses or helps to achieve the District's Institutional Goals and Objectives, and/or operational planning initiatives in the last year.

- a. Institutional Goal 1. San Luis Obispo County Community College District will increase the rates of completion for degrees, certificates, transfer-readiness overall for all students.

Not applicable

- b. San Luis Obispo County Community College District will increase student access to higher education.
 - i. At the K-12 level, the CSRC will expose hundreds of students in the SLO county school districts, both in school and after school, to sustainability programs and curriculum offered by the CSRC. Concurrently, this student population will learn about career opportunities in STEM and of the many STEM-based career pathways that Cuesta has to offer.

- c. San Luis Obispo County Community College District will develop and sustain collaborative projects and partnerships with the community's educational institutions, civic organizations, businesses, and industries.
 - i. The CSRC will develop strategic partnerships and alliances with numerous community organizations, businesses, and schools in San Luis Obispo County and beyond. Specifically, the CSRC will:
 - 1. Become an intimate partner with the K-12 institutions as it delivers K-12 sustainability programs and curriculum to the SLO county school districts.
 - 2. Develop and support community educational events that promote sustainability such as Earth Day activities.
 - 3. Collaborate with educational clubs and organizations (e.g. CREEC, CCGBC, One Cool Earth)
 - 4. Develop a CSRC Advisory Council links business and educational communities with the purpose of advising the development, management, and expansion of the CSRC. Members will consist of representative or delegates from the solar companies, project environment biologists, local K-12 educators, local environmental education organizations, and Carissa Plains.
 - 5. Participate in SLO County's Green Business Certification project. Cuesta will take the lead on a grant from the Green Business Network for a one-year project to establish the infrastructure for green business certification.
- d. San Luis Obispo County Community College District will integrate and improve facilities and technology to support student learning and the innovations needed to serve its diverse communities.

The Green Business Certification component will integrate use of technology into training opportunities in green business certification. This initiative will diversify the population served by the CSRC.

- e. San Luis Obispo County Community College District will build a sustainable and stable fiscal base.

Not applicable, CSRC is funded by an external grant.

III. ANNUAL MEASUREMENTS, ANALYSIS AND IMPROVEMENTS

Programs are often impacted by institutional or other organizational change. Please review program-relevant institutional data sources, such as institutional enrollment trends, which along with some other relevant program data, is available on the [SLOCCCD Institutional Research and Assessment website](#). Other organizational or departmental measurements may provide useful information for planning in your program; please describe those measurements and the data below.

A. Data Summary

- Describe data collection tool(s) used.
All participant counts are based on the number of CSRC commitments for one complete school year. Teacher numbers are based on those that participated in CSRC educational outreach throughout the school-year. Student numbers are based on the actual number of students served in those teachers' respective classes. School numbers represent the number of schools that house the combination of students and teachers previously described.
- Include updates to program data results from the previous year, if any.

	School Year 2014-15	School Year 2015-16	School Year 2016-17	School Year 2017-18	School Year 2018-2019
Number of Teachers	15	27	37	50	27
Number of Students	350	721	1,500	1,800	820
Number of Schools	9	7	13	16	9
Number of School Districts	4	4	4	5	3

B. Data Interpretation:

- Describe results from previous improvement efforts to the program based on institutional or departmental changes.
Overall participation decreased from the previous year, this is possibly due to having minimal presence at teacher trainings. Having less schools to serve allowed for more in-depth partnerships with the schools that are participating in the program. This includes monthly lessons taught by the Specialist at the most rural school sites,

consultation on Green Ribbon School Award Applications for four Atascadero schools, and assisting with quarterly wind energy engineering activities at Atascadero Middle School.

- Identify areas if any that may need improvement for program quality and growth.
- Recommend any changes and updates to program based on the analysis above. For elements that require funding, complete the Resource Plan Worksheets.

The CSRC program has established wide spread service throughout the Atascadero School District at most K-5 schools as well as the Middle School. There is a goal to expand to serve more schools in the Paso Robles, Lucia Mar and San Luis Coastal Districts.

IV. ANNUAL PROGRAM OUTCOMES (ASOs AND SSOs), ASSESSMENT AND IMPROVEMENTS

Your program has established either Administrative Service Outcomes or Student Service Outcomes. Those outcomes are assessed and tracked in the Course or Program Assessment Summary. Review CPAS documents for ASO or SSO assessment results for program outcomes.

A. Describe any results from improvement efforts arising from ASO or SSO assessment in the last year.

	PROJECT GOALS	CURRENT OUTCOMES and STATUS
	I. K-12 Sustainability Education <ul style="list-style-type: none"> • K-12 Education: Integrate sustainability-focused STEM education at Carissa Plains Elementary School (Atascadero Unified School District) 	<ul style="list-style-type: none"> • Assisted CP with the \$500 mini-grant application offered through the CCGBC Gateway to Green Schools in 2017. The school integrated a sustainability student-focused project installing rain barrels in 2018. • Consulted on Green Ribbon Schools Award application for 2018 & 2019. • 2018 CA Green Ribbon Silver Award, 2019 U.S. Green Ribbon School Award Nominee. • Specialist teaches NEED kit science lessons monthly to all CP students that aligns with current science instruction.
	<ul style="list-style-type: none"> • K-12 Education: Integrate sustainability-focused STEM education throughout Atascadero Unified School District. 	For 2018-19 School Year: <ul style="list-style-type: none"> • Monterey Road Elementary was chosen as a pilot school for integrating sustainability across all grades. In 2016, all teachers in grades K-4 teachers are integrating NEED kits and outdoor instruction throughout the school year to implement NGSS as required by the Principal. Teachers receive in class support whenever requested. The CSRC served as the lead in applying Monterey Road to the Green Ribbon Schools Certification for 2015, 2016, & 2017. They received the Silver award for 2015 & 2016. Award a U.S. Green Ribbon School in 2018. Participated in a Waste Audit for the school in collaboration with One Cool Earth (1/11/16 and 12/13/16) Kinder: The Sun and Its Energy, 1st: Primary Science of Energy, The Sun and Its Energy, 4th: Energyworks • Santa Rosa: 3rd grade- Wind is Energy kit. Received 2019 CA Green Ribbon Gold Award, CSRC consulted on application.

		<ul style="list-style-type: none"> Atascadero Middle School: The entire 6th grade science of 5 teachers and 9 classes of students- 2 kits: water and solar energy. Assist Cuesta Engineering Dept. Head Jeff Jones with Wind Energy investigations quarterly for AMS engineering elective class 6-8th grade students. Creston Elementary: Specialist teaches NEED kit science lessons monthly to all students that aligns with current science instruction. Covering all NEED topics. In addition, Specialist piloted an ecosystem web activity to give context for learning about sustainability through the concept that everything on Earth is connected. Creston received a 2019 CA Green Ribbon School Silver Award, CSRC consulted on the application. Specialist will provide a science activity at the Open in May for the 2nd/3rd grade classroom. San Benito: Specialist presented CSRC resources to teachers during staff training. Kit sign up- 1st grade: The Sun and Its Energy, 3rd grade: Wonders of the Sun. Specialist attends STEAM/Sustainability committee meetings. San Benito received 2019 CA Green Ribbon Silver Award. CSRC will have a table at the San Benito Science Night in May. Fine Arts Academy: 6th grade- Energy from the Sun kit AUSD: Specialist serves on the AUSD Resource Management Steering Committee meeting which produced a board approved Resource Management Guide for the district. Opportunity to consult on AUSD Green Ribbon School District Application for 2020 award.
	<ul style="list-style-type: none"> K-12 Education: Integrate sustainability-focused STEM education throughout SLO County 	<ul style="list-style-type: none"> A total of 27 teachers & 820 students served across 3 school districts curriculum and science kit distribution through our library exchange system, and in-class outreach. SLO Coastal: Los Osos Middle School has 2 Vex Robotics Clawbot kits for their robotics team. Paso Robles: Bauer Speck Elementary is using an Elementary Science of Energy Kit for GATE program activities.
	<ul style="list-style-type: none"> K-12 Education: CSRC Family Science Nights 	<p>No Family Science Nights hosted by CSRC are scheduled due to lack of staff</p> <p>CSRC will have a table with NEED kit activities at the San Benito Elementary Science Night and Creston Elementary Open House</p>
	<ul style="list-style-type: none"> K-12 Education: Green Ribbon Schools Awards (& \$500 mini-grants from CCGBC partners) 	<ul style="list-style-type: none"> Monterey Road received the 2015 and 2016 Silver Award, which would be the first school awarded on the Central Coast. 2018 recipient of the U.S. Green Ribbon School Award. Received \$500 mini grant in 2016 that was used for installing a Food Forest on their campus. Carissa Plains received CA Green Ribbon Silver Award for 2018, 2019 nominee for U.S. Green Ribbon Award. Received \$500 grant in 2017 for rain barrel project and a second \$500 grant for applying for the Green Ribbon Award in 2018. Creston Elementary: CA Green Ribbon School Silver Award, will receive \$500 from CCGBC for applying. San Benito: CA Green Ribbon School Silver Award, will receive \$500 from CCGBC for applying. Santa Rosa: CA Green Ribbon School Gold Award, will receive \$500 from CCGBC for applying. Opportunity to consult on District level application for Atascadero in fall of 2019 for 2020 award.

	II. Community Education	<ul style="list-style-type: none"> Managed a booth at the Earth Day Festival in San Luis Obispo April 2017. Passed out PG&E promotional materials on saving energy at home. Specialist will man a booth at the 2018 Festival. CSRC collaborated with CCGBC Green Schools Committee to organize a Green Schools Showcase at Monterey Road open to the public. CSRC resources were displayed at the event in March of 2018.
	III. Workforce Preparation	<ul style="list-style-type: none"> Established internship program at CSRC. Work study student assisted in the office for 6 months in 2017-2018. The Specialist provided this student with a letter of recommendation for an internship. CSRC is partnering with SLO County and other agencies to apply for a grant to establish a Green Business Certification program in SLO County. A component of the project will include developing training in green business certification (credit, noncredit or fee-based, as appropriate) which will be an element of workforce preparation.
	IV. Infrastructure/Capacity Building	<ul style="list-style-type: none"> Attend CCGBC Green Schools meetings every other month Specialist serves on the AUSD Resource Management Steering Committee CSRC website shows NEED Science kits and the ability to download all associated lessons and workbooks are available. Other sustainability teaching resources are listed. http://www.cuesta.edu/community/resources/sustainability/ Researching and purchasing of sustainability resources (technology, programs, activities, exhibits, and curriculum) is ongoing. Sustainability resources have been expanded to include sustainability topics beyond energy, such as water, waste, transportation and food systems. Education Specialist attended the "Green California Schools and Community Colleges Summit and Exposition" in 2017 Participate in the development of Green Business Certification in SLO County.

B. Recommend changes and updates to program based on assessment of program outcomes. For elements that require funding, complete the Resource Plan Worksheets and review the Resource Allocation Rubric.

V. ANTICIPATED SERVICE CHALLENGES/CHANGES

Provide a brief description of challenges or changes anticipated in the next year and any needs that have emerged as a consequence.

Suggested Elements:

- A. Regulatory changes
- B. Internal and external organizational changes
- C. Student and staff demographic changes
- D. Community economic changes – workforce demands
- E. Role of technology for information, service delivery and data retrieval
- F. Providing service to multiple off-campus sites
- G. Anticipated staffing changes/retirements

VI. OVERALL BUDGET IMPLICATIONS

Provide a brief description of the immediate budget request(s) made in your Resource Plan (formerly called the Unit Plan). These elements will be reflected in the District planning and budget process.

Elements:

- A. Personnel
- B. Equipment/furniture (other than technology)
- C. Technology
- D. Facilities

SIGNATURE PAGE

Director(s), Manager(s), and/or Staff Associated with the Program

Student Services and Administrative Services Programs: All full-time director(s), managers, faculty and/or classified staff in the program must sign this form.

Division Chair/Director Name	Signature	Date
------------------------------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------

Name	Signature	Date
------	-----------	------