

## CA B-WET FY17: San Francisco Bay Watershed

GRANT RECIPIENT	PROJECT DESCRIPTION	FUNDED AMOUNT
<p>Bay.org (Student)</p>	<p><b>“Integrating Watershed Science Education through Trout in the Classroom”</b> - This project will increase and expand implementation of the very effective Trout in the Classroom program to underserved classrooms in the San Francisco Unified School District. We will increase the number of classrooms and expand the program content.</p>	<p>\$51,587</p>
<p>Marine Science Institute (Student)</p>	<p><b>“Student stewards of Redwood Creek Watershed”</b>- Sixth grade students in Redwood City will build perspectives on their local watershed's connection to the ocean through monthly exploration and hand-on activities including 3 stream studies and 2 canoe-based creek studies. Students will practice the scientific method, develop a hypothesis regarding an aspect of watershed, and engage in marine debris reduction and water quality surveys. High school students will become environmental mentors to 6th graders and lead a teacher workshop sponsored by the county Office of Education.</p>	<p>\$44,042</p>
<p>Strategic Energy Innovations (Student)</p>	<p><b>“Discovering Watersheds &amp; Public Water Systems Program”</b>- Strategic Energy Innovations (SEI), a non-profit organization dedicated to helping create sustainable communities, will utilize this funding to expand and support the implementation of our new Watersheds &amp; Public Water Systems and Water Assessment curriculum units at high schools within the San Francisco Bay-Delta watershed. These project-based units:</p> <ol style="list-style-type: none"> <li>1. Engage students in exploring their local watersheds through hands-on field trips to perform water quality testing and GIS story-mapping, and</li> <li>2. Empower them to take action to protect and preserve local watersheds in their home and community through water audits and action plans, citizen science, and watershed clean-up opportunities.</li> </ol>	<p>\$49,943</p>
<p>The Watershed Project (Student)</p>	<p><b>“Wild Oyster, Living Shorelines and our Changing Climate”</b> - The Watershed Project will offer six experiences, including four classroom visits and two local outdoor experiences, to 5-6 teachers and 400 high school students in San Francisco, Alameda, and Contra Costa counties in the 2017-2018 school year. We will work with approximately 200 ninth graders, 120 tenth graders and 80 eleventh and twelfth graders. We will also provide a 2-hour training to these 5-6 teachers so that they are prepared to teach two additional lessons as part of the program. This program will focus on how climate driven ocean acidification is affecting oysters in the San Francisco Bay and Greater Farallones National Marine Sanctuary and the resilience of those ecosystems. Native farm raised oysters will be observed and handled, but supervised by aquaculture experts.</p>	<p>\$53,750</p>
<p>Sonoma Ecology Center (Student)</p>	<p><b>“Inspiring Water Wonders and Creating Climate Champions”</b> - The Water Wonders program sets the stage for continued learning in sixth grade through the Climate Champions program. Sonoma Ecology Center staff will develop and deliver the sixth grade Climate Champions program to all Sonoma Valley sixth grade students. Through interactive models, demonstrations, and hands-on investigations, Climate Champions will teach students how our climate is regulated by complex earth systems, about the greenhouse effect, and about the carbon cycle and human influences on it. Impacts of a changing climate on our watershed will be explored, including ocean acidification. Students will collect phenological (life cycle) native plant data in the field, and analyze its relationship to our climate. At Sugarloaf Ridge State Park, students will have the opportunity to learn about the power of the sun from solar viewing with Robert Ferguson Observatory docents.</p>	<p>\$39,986</p>