"We have reached a point where we need to make big changes fast, for if we don’t, we risk losing this wonderful world we are so lucky to call home. I want to change the fear and anger of my generation and turn it into hope and action. I believe that we can make a difference."

– Solana Jolly, senior, Windsor High School

**About ECO2school:**

ECO2school has been working since 2006 to engage high school students across the Bay Area in hands-on service learning projects that support healthy living, safe low-carbon commutes, traffic decongestion, and improved air quality for the entire community. ECO2school inspires young people to take action for immediate greenhouse gas emission reductions while promoting long-term personal and community environmental action.

**2018-2019 Program Results**

This year ECO2school launched its regional program in partnership with Spare the Air Youth, offering micro-grants to partner organizations across the Bay Area. This year, in addition to serving 16 Sonoma County high schools, we reached **eight** Bay Area high schools in five counties. ECO2school staff implemented youth leadership trainings with **272** students across the Bay Area. These students designed and implemented education and encouragement activities that reached **28,962** students.

In Sonoma County, ECO2school student leaders implemented activities that reached **15,063** students to encourage peers to try active or shared transportation. **9,574** students participated in a least one activity. Overall **18.2** fewer tons of CO₂ were emitted.
Student Transportation Behavior

When adjusted data from the fall and spring are compared, it shows that overall, active forms of transportation stayed the same. However, we saw shifts in driving and carpool behaviors. Fewer students are being dropped off by parents and more students are driving in carpools. Although the overall shift in student behavior in all schools is small, it represents a 0.2 ton weekly CO₂ reduction per school.

Roseland University Prep saw the greatest impact this year. They set an ambitious 100 percent participation goal and their efforts were rewarded with 69 percent participation of the total student body in their school's ECO2school Challenge. In total, they saved 1.75 tons of CO₂ from being emitted during the challenge. They also saw shifts in active and driving behavior change over the course of the year as quantified in the graph.

Students' participation in and exposure to the ECO2school program positively impacted their transportation choices, and resulted in emission reductions in Sonoma County.

Sonoma County Program Highlights

ECO2school equips student leaders with the tools and confidence to coordinate campus transportation projects. In the process, these students are empowered to become effective climate leaders. ECO2school staff achieved the following over the course of the year:

- Mentored 16 Sonoma County high school eco-clubs to organize a total of 76 school based events
- Brought together 50 students and 12 partner organizations for our annual Green Teen event, a youth-focused climate conference
- Recruited 153 Sonoma County students to volunteer over the course of the year
- Taught mechanics and street riding skills at six community repair and ride sessions
- Students from Santa Rosa, Montgomery, Maria Carrillo and Roseland University Prep presented results and recommendations of the 2018 walking audits to the Santa Rosa Bicycle and Pedestrian Advisory Board
- Completed walk audits and community meetings at eleven schools in partnership with W-Trans
- Reached 27 students from eight schools along with ten young professionals during the Green Career Pathways event

“Working with ECO2school has greatly impacted my ability to take leadership in my climate community. Everyone on the team supports me in leading at my school; helping me plan and organize, but know when to step back and let students take charge.”

– Anonymous student evaluation

Regional Program Highlights

The Center provided youth leadership development trainings to Youth Champions in Alameda, which is similar to the Center's Youth Advisory Board. In partnership with Transform, Youth
Champions were able to reach 12,000 students, families and communities with their education and outreach programs. The videos created with STAY funds were shown as student bulletins and posted on school web sites to help promote mode shift activities. The success of this program, particularly with the video productions, has allowed students to reach larger audiences. Through Youth Champions, students from multiple schools are collaborating to create a regular biking vlog to increase the reach of their message and capacity for change.

**Visionary Leadership Workshop:** 20 students from four Marin high schools came together for youth leadership development training in partnership with the Marin Bicycle Coalition.

**San Marin High School:** Seven, Share the Road classroom presentations for 175 students. Students developed short videos that were shown to the entire student population, as well as the local middle school. In partnership with Marin Bicycle Coalition.

**Redwood High:** In partnership with YBike, 25 students built bikes and now use them as regular transportation to get to and from school. Of the 25 students who participated in the Bike Shed program, five have taken on leadership roles. They helped implement a Walk and Roll to School Day and a Bike Awareness Day. They had a 25% participation rate on walk and roll to school day with 40 students participating. Students participating in the Bike Shed program are not just building bikes, but also gaining confidence through collaboration and communication skills.

**Richmond and JFK High Schools:** In partnership with Earth Team, 29 students (14 from Richmond, 15 from JFK) participated in ECO2school-led youth leadership development trainings. 25 interns worked consistently with Earth Team on a series of rallies and on-bike activities that reached 350 students.

**Bay Area Climate Literacy Impact Collaborative (BayCLIC)**

The Center for Climate Protection is the backbone organization for BayCLIC providing organizational and technical support. BayCLIC is a consortium of over thirty environmental education institutions working in partnership to make the San Francisco Bay Area the leader in climate education and action. We represent parks, zoos, aquariums, museums, nonprofits, local government agencies, and more. We work collaboratively to address the most pressing climate education needs of informal educators in the region. We provide access to scientific resources, tools and professional development. 32 organizations came together for quarterly professional development workshops and 15 schools participated in the BayCLIC sponsored teacher development workshop Understanding Global Change.
Student Leadership

World Changers:
World Changers aims to support youth in making climate central to their educational, career, and lifestyle choices. It provided four paid college climate fellows and five competitive $1,000 scholarships to students for their implementation of carbon reduction projects. The Climate Fellows were Allison Piazzoni, Ivy Stuart, Jeffery Perrone, and Andres Pimentel. They worked on a variety of projects including research on transportation solutions, video production, and development of website and social media platforms. The five World Changers Scholarships were awarded to students for outstanding climate projects over the course of their high school careers. Winners were: Celeste Chavez-Hernandez, Dominique Garoli, Caitlin Grace, Eleanor Jaffe, and Solana Jolly.

The Youth Advisory Board

The Youth Advisory Board (YAB) consists of student leaders passionate about making positive change. Twenty-three students representing one third of participating schools joined the board. These youth leaders helped shape the program, organized events, spoke at political and community venues, and provided a youth perspective to the larger community of climate activists.

Over the course of the 2017-18 school year, YAB members implemented the following actions:

» Regional Climate Summit, speaker (200 attendees)
» Meet the Board: YAB members invited CCP staff and board members to come engage in learning sessions with the students to deepen their understanding and agency for positive action.
» Climate Action Night: YAB members helped to coordinate students from four high schools, Santa Rosa Junior College and Sonoma State to take action on climate policy. They educated peers on current climate-related legislation and the legislative process, trained students, and then shared their research on current legislation at a community event. (530 people attended)
» YAB members presented at Credo High School’s One Planet Living Conference on sustainable living.
» A YAB member accepted a gold resolution for her work: 230 students signed a “Don’t Text and Drive Pledge” during distracted driving awareness month.
**Sponsorship**

Thank you to our sustaining partners and business sponsorships for your ongoing support of the ECO2school programs.

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