

envirolution

2016 Annual Report

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www.envirolution.org

A 501(c)3 Non-Profit Organization
EIN: 20-8274660



“*Envirolution was very supportive and attentive and you can tell they are passionate about Project ReCharge.*”

— 2016 Middle School Science Teacher

“*No matter what school I’m at or what level, I will use Project ReCharge. It is so awesome and fun!*”

— 2016 Middle School Science Teacher





Who We Are

Envirolution is a sustainability education, leadership and career development 501(c)(3) nonprofit organization. Our mission is to inspire and empower the next generation of leaders and workers who will drive the growth of a sustainable economy.

What We Do

Envirolution is dedicated to developing and scaling dynamic K-12 education, youth leadership development, and community outreach programs centered around energy efficiency, sustainability, and Science, Technology, Engineering and Math (STEM) career development. With a focus on hands-on service learning, our programs not only provide career development for students, but also enable our participants to give back to their communities.

Envirolution Community,

On behalf of the Board of Directors for Envirolution and all of our wonderful staff, we are excited to present our accomplishments in this 2016 Annual Report.

2016 was a major year for growth and stabilization in our largest program, Project ReCharge (PRC). Funded by the National Science Foundation (NSF) and in partnership with the University of Nevada-Reno's College of Education and Washoe County School District, PRC's STEM energy efficiency project learning experience grew in all areas and to date we are proud to have partnered with 11 schools in 2 school districts, trained 47 teachers, engaged 4,523 students who are helping save the school district every year over 418 megawatts and \$44,000.

As we begin our third and final year of the NSF grant, we continue to position the project for long term sustainability and we invite you to reach out to us to learn more about the exciting developments of PRC and how to get involved.

On November 1st, Project ReCharge received a Golden Pinecone Sustainability Award for Best Educational Program at a special recognition event honoring individuals and organizations in the Reno Tahoe region for outstanding environmental stewardship.

Our Sustainability Tour had a 2nd successful year empowering and inspiring youth to consider green careers while exploring the area's fast growing sustainability movement. We value our relationships with our community partners and look forward to expanding those partnerships across the region. For more information, see www.envirolution.org/programs/education/sustainability-tour.

Vanessa Robertson has done tremendous work during her first year as our Executive Director and has played a major role in bolstering relationships with key partners and improving marketing and outreach efforts. Vanessa has incredible passion for Envirolution's sustainability and leadership work and I am excited about her leadership as we enter a new era of growth and programming.

The Board is working hard to make 2017 be a successful year in terms of new partners, supporters and impacts to Northern Nevada youth. We ask that you help us grow our community support by sharing our efforts with friends and family. It does take a village!

Board Chair
Susan Clark, PhD

2016 PROGRAMS



“*Utterly Amazing!*
My students loved the hands on experience that the 5E Model allowed and when giving them a formative assessment, they did really well in understanding the content. I can now see how amazing Project ReCharge is and I can not tell you how excited I am moving forward!”

- Dilworth Middle School Science Teacher

PROJECT RECHARGE

An interactive STEM energy efficiency education and training program that engages students and teachers, while having measurable impacts on the environment and community. Valuable professional development, curriculum and classroom resources are provided to teachers who then empower middle and high school students through inquiry-based lessons, to become energy detectives focused on saving their school money through energy saving recommendations.

5 New Partner Schools

- Mendive MS, Dilworth MS, Wooster HS, North Valleys HS, ACE Charter HS

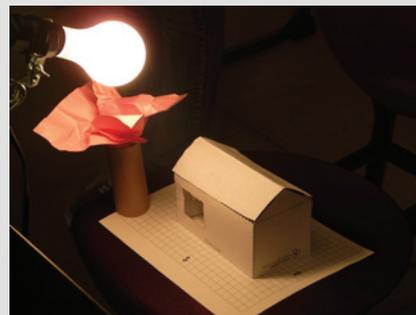
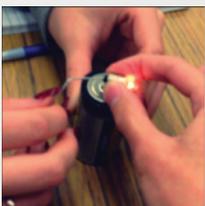
21 New Teachers together received over 1,000 hours of Professional Development Training

1,676 New Students engaged with hands on STEM based lessons and activities

24% increase in student content knowledge

\$37k Worth of Classroom Materials and resources were provided to teachers, including Chromebooks!

Two new student driven proposals from Dilworth and Mendive Middle School **will save** the school district **53,880 kWh** or approx. **\$5,657 every year!** In addition to the lower monthly bills, WCSD will receive a rebate check for **\$2,694** from NV Energy's Energy Smart Schools Program.



“*Project ReCharge is awesome! I learned so much about electricity.*”

“*The solar panels were cool! I liked comparing the little ones I used to the big ones at our school.*”

- Project ReCharge Students, 2016

2016 PROGRAMS (continued)



“You can find sustainability in all sorts of amazing, unexpected places.”

— Sustainability Tour Participant, 2016

SUSTAINABILITY TOUR

An exciting 5 day tour for Northern Nevada youth to visit Reno organizations to explore green careers, environmentally friendly practices, and the local sustainability movement. Conducted during Fall Break, students are given an experiential learning opportunity that builds on topics learned in school.

15 Students Toured 9 Local Sustainable Organizations

At the end of the week-long tour:

There was **50%** increase in knowledge about sustainability.

93% indicated an interest in a green career or they desired to take sustainability into their careers

100% of participants said they would attend another community cleanup in the future

93% indicated that they would recommend the tour to a friend in the future.



PARTNERSHIPS AND COLLABORATIONS

We want to give a special THANK YOU to a few of our 2016 partners!

KTMB Adopt-a-Spot

In 2016, Envirolution continued its community partnership with KTMB and conducted 3 cleanups at its Adopt-A-Park, Pickett Park. 40 volunteers donating 80 volunteer hours!



University of Nevada Reno

UNR Engineering student, Kellen Mitchell spent over 60 volunteer hours designing, building and fine tuning electrical demonstration boards that were used for two new Project ReCharge Energy Bikes.



Desert Research Institute

Envirolution staff and Project ReCharge teacher Todd Markey engaged over 100 teachers with hands-on activities found in our Project ReCharge Energy Basics Unit during two Green Power teacher trainings in June and August.



GREENevada

Envirolution contributes to a local collaborative of more than 20 sustainability organizations who now host the Annual Golden Pinecone Sustainability Awards, a community recognition event for individuals and organizations making significant contributions towards sustainability in the Truckee Meadows.



Envirolution Board of Directors

The Board of directors continues to provide leadership and strategy to Envirolution and we are excited to announce new members for 2017, broadening our community connections and bringing added passion and expertise to our Board.



FUNDERS

The Stillwater
Foundation

The National
Science Foundation

The Washoe County
School District

GRANT REVENUE: Government: \$278,032 | Public: \$2,630 | Foundation: \$10,000

EXPENDITURES: 97.8% to Programmatic Expenses | 2.2% to Admin/Other

AWARDS & IN THE MEDIA

Project ReCharge received a **Golden Pinecone Sustainability Award for Best Educational Program** on November 2, 2016.



Power rangers - Students help schools with energy efficiency
By Kelsey Fitzgerald. This article was published on January 28, 2016



Media coverage from KTVN Channel 2 on October 5, 2016 by Kellene Stockwell



Media coverage from KOLO 8 on Oct 05, 2016 By Denise Wong

2017 OUTLOOK AND GOALS

Sustainable expansion is our motto for 2017: financial sustainability as well as programmatic and organizational sustainability. Efforts will be focused on securing the necessary partners and funders that will allow us to bring our educational programs and the impacts they have to more Northern Nevada Youth.

PROJECT RECHARGE

Final Year of National Science Foundation Grant

- Partner with 4 new schools and 1 new school district (Cold Springs MS, Vaughn MS, Douglas HS and Pau Wau Lu MS)
- Provide 20 new teachers with valuable curriculum, classroom resources and professional development
- Engage 1,500+ students with hands-on interactive STEM energy lessons
- Assist students with the development and implementation of energy saving proposals

SUSTAINABILITY TOUR

We will be moving our tour from Fall break 2017 to Spring break 2018, giving us more time to promote the event and to allow us to better leverage Project ReCharge teachers and students.

Our 2018 Tour Goals:

- Enroll 35 new students
- Partner with 5 new organizations including Tesla Gigafactory
- Increase interest in sustainability topics and green careers by 50% with program participants
- Broaden the number of participating schools including those in Carson City

IN THE COMMUNITY AND BEYOND

- Host 4 community cleanups at Pickett Park with the goal of recruiting at least 50 new volunteers
- Partner with other GREENevada organizations to host the annual Golden Pinecone Sustainability Awards in November 2017
- Present at the National Science Teachers Association (NSTA) National Conference in Los Angeles, CA in March 2017



BOARD OF DIRECTORS AND ADVISORS

Vanessa Robertson M.A.
Executive Director

Susan Clark Ph.D
COO, Don J Clark Group-Board Chair

Vicki Bischoff
Vice president, Suncrest Builders

Alex Gamboa
Co-Founder of Envirolution

Mel Zeldin
Board Appointed Treasurer

Reid Hamilton
Founder Arecess Development Company

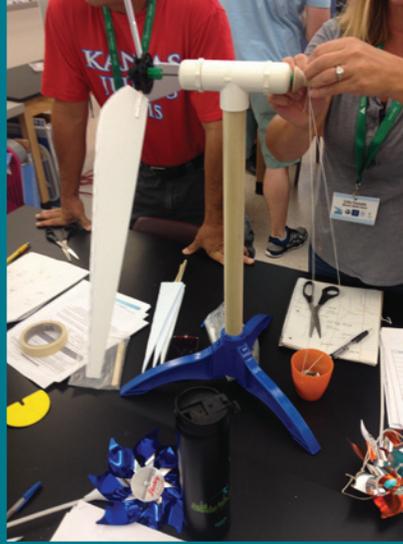
Sylvia Scoggin
WCSD K-12 Science
Program Coordinator

Todd Markey M.A.
AP Enviro. Science
Teacher, North Valleys HS



“Project ReCharge makes my job so much easier! I am providing my students with engaging curriculum that is not only attached to the standards – but is also valuable for their life skills!”

– 2016 Middle School Science Teacher



“The curriculum is really powerful whether the students realize it or not!”

– 2016 Middle School Science Teacher

