

OVERVIEW Project ReCharge is a hands-on project based STEAM (Science, Technology, Engineering, Art and Mathematics) curriculum and training program that engages students, teachers and professionals in the community. This interactive energy education program provides valuable professional development and classroom resources to teachers, who then empower students to become energy detectives focused on saving their school money through energy efficiency proposals. Innovative lessons, energy data and interactive dashboards engage students and teachers as they learn about sustainability, energy generation, consumption and efficiency. Project ReCharge focuses on real world learning and application that has measurable impact on students, the environment and the community at large.



SINCE 2015, PROJECT RECHARGE HAS:

Been implemented in **72 schools across 13 school districts in Nevada and Northern California**



Partnered with **172 teachers** by providing them with over **7,000 hours** of hands-on professional development training



Given teachers access to **22 hands-on STEAM lessons and activities** that support **Next Generation Science Standards, Social Emotional Learning and 21st Century Competencies**

Provided our partner schools and teachers with over **\$280,000 in classroom materials**



Engaged over **25,000 students** with hands-on STEAM energy lessons

Improved student **content knowledge by 41%** while also **increasing student interest in STEAM careers**



Been awarded a **Golden Pinecone Sustainability Award for Best Educational Program**

PARTNERSHIPS The impact Project ReCharge has made in our community is due to the established partnerships between Envirolution and the University of Nevada Reno, The National Science Foundation(Grant DRL-1433597), The Nevada Department of Education (2017/2018 MSP Grant), Tesla, local foundations and all of our partner school districts (Washoe, Douglas, Carson, Lyon, Churchill, Sierra Plumas Joint Unified, Truckee Tahoe, Pyramid Lake Bureau of Indian Education, Elko, Nye, Lander, Portsmouth and Clark County).



STUDENT DRIVEN EFFICIENCY PROPOSALS DEVELOPED, REFINED, FUNDED AND IMPLEMENTED

15 Sustainability proposals from students at GM Heritage Homeschool, Churchill MS, Vaughn MS, Pyramid Lake Jr/Sr School, Wooster HS, Sparks HS, Dilworth STEM Academy, North Valleys HS, Mendive MS, Dayton IS, Reed HS and one home proposal have together saved their communities **\$651,564 in energy costs, reduced energy use by 5,173 MW hours and cut CO₂e* emissions by 2,194 metric tons.**

*Carbon Dioxide Equivalent



PROGRAM EXPANSION AND GOALS

Over the next 3-5 years Project ReCharge plans to expand throughout **Nevada and other states** by partnering with **150 new schools**, provide training, curriculum and classroom resources to **300 new teachers**, engage **100,000 new students** and assist in the development and implementation of more student projects that will **save school districts and businesses thousands in energy costs.**



In order to achieve these goals we need the support of individuals, foundations and businesses in our community. Visit our website at www.envirolution.org to learn more about partnership and funding opportunities.

“If it wasn't for Project ReCharge I would not have had the confidence to pursue a degree in Civil Engineering at UNR!”

– Jackie Medina, Project ReCharge Student - Alumni class of 2018 Wooster HS