

**OVERVIEW** Project ReCharge is a hands-on inquiry and project based STEM (Science, Technology, Engineering 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 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 **53 schools across 11 school districts in the Northern Nevada Area**

Partnered with **146 elementary, middle, & high school teachers** by providing them with over **6,000 hours** of hands-on professional development

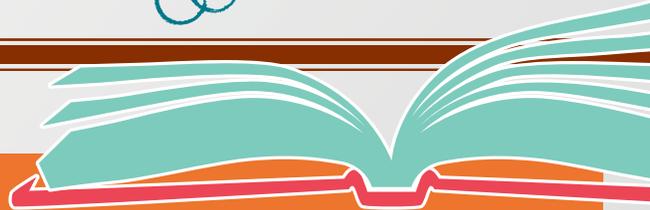
Given each teacher access to **21 hands-on STEAM** lessons and activities that are aligned to **Next Generation Science Standards, Social Emotional Learning and 21st Century Competencies**

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

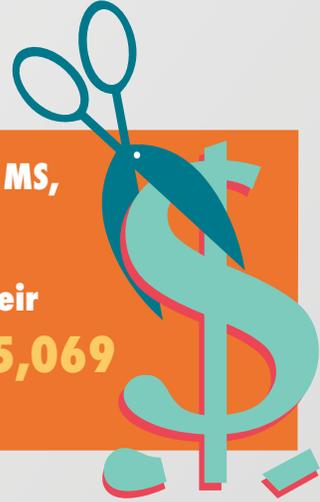


**PARTNERSHIPS** The impact Project ReCharge has made in our community is due to the established partnerships between Envirolution and the University of Nevada Reno, The National Science Foundation (Grant DRL-1433597), The Nevada Department of Education (2017/2018 MSP Grant), Tesla, Nevada Governor's Office of Energy, 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, and Clark County).



## STUDENT DRIVEN EFFICIENCY PROPOSALS DEVELOPED, REFINED, FUNDED AND IMPLEMENTED

14 LED retrofit 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, and Reed HS have together saved their schools **\$641,939 in energy costs, reduced energy use by 5,069 MW hours and cut CO2e emissions by 2,120 metric tons.**



## PROGRAM EXPANSION AND GOALS

Over the next 3-5 years Project ReCharge plans to expand throughout **Southern and Rural Nevada**, by partnering with **150 new schools** provide training, curriculum and classroom resources to **125 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](http://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