

**ADVANCING DISTRICT-WIDE
SUSTAINABILITY INITIATIVES IN
CARSON CITY SCHOOL DISTRICT
WITH SUPPORT FROM GREEN
SCHOOLS NATIONAL NETWORK,
ENVIROOLUTION, CARSON CITY, AND
TESLA**

2020

Sustainability Partnership

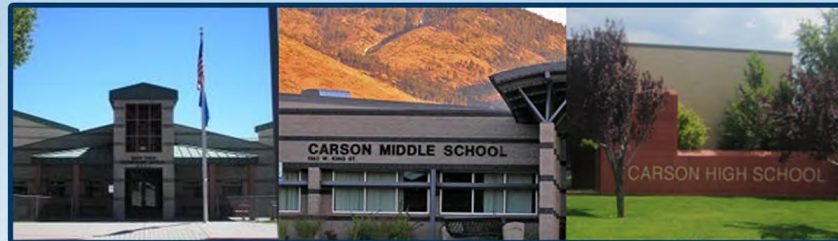
Why Green, Healthy and Sustainable Schools ?

- An increased **sense of ownership** by teachers, students and staff in the school, part of solution
- **Economic savings** associated with reduced consumption and operating costs
- Increased protection of **natural resources**
- Increased student and staff **health and wellness and achievement !**
- Increased **connections** with the community
- Use of the school and business sites as a **teaching tool for PB3 learning (project, problem, place)**
- **Students are next -gen caretakers of the planet!**

Strategic Plan in 2012

Empower Carson City 2017

A Five Year Strategic Plan for Extraordinary Schools
built by the Community of Carson City



Our Community Empowers Tomorrow's Innovators, Leaders, and Thinkers





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Empower Carson City 2022(Refresh)

- Respect work-life balance
- Active, engaged citizens
- Positive activities
- Hi-lite innovation
- Create sustainable opp.
- Sustainable communication plan
- Healthy lifestyles
- Social responsibility
- Hands on applications
- Learner centered model
- Project based learning-PBL
- Relevant curriculum
- Community partnerships
- Enhance critical thinking
- Real world skills
- Participate in activities at diverse worksites and civic organizations
- STEAM

Curriculum that Matters

STRATEGY 2.2.3:

Through community partnerships and district resources, students will have the opportunity to learn about environmentally friendly actions and sustainable practices !



Sustainability Partnership

- This multi-year collaborative will lead to the advancement of district wide Education for Sustainability initiatives and strategic plan goals that will impact the entire School District while strengthening city -community- school district partnerships.

HOW DO WE DO THIS?

- Dashboard Development
- CHS CTE/WBL Eco mapping of partners
- Envirolution - Project ReCharge
- Integrating and connecting ES-MS-HS STEM and CTE programing
- Coordinator support position
- Green Schools Nat'l Network Support (GreenPrint)
- Documenting process, sharing experience/success
- FUNDED by TESLA K12 Nevada Education Gift Fund

City-School District Partnership

- Workplace Learning with Public Works
 - HS Internships, Job Shadowing, Facility Tours
- Classroom Guest Speakers
- Student run energy audits in City Buildings
 - State Buildings (NGOE)
- Community Service Learning Projects
 - Sustainability Ambassadors
- Community Sustainability Summit and Workshop
 - Public Education and Information
 - Partners(CCSP, NGI, Sierra Forums, TGP, GreenUp, etc.)

Quotes from CCSD staff members

- ❖ Sustainability Partnership partnership will...

“Enhance and Enrich”



“Strengthen thru the lens of sustainability”



“Accelerate goodness”

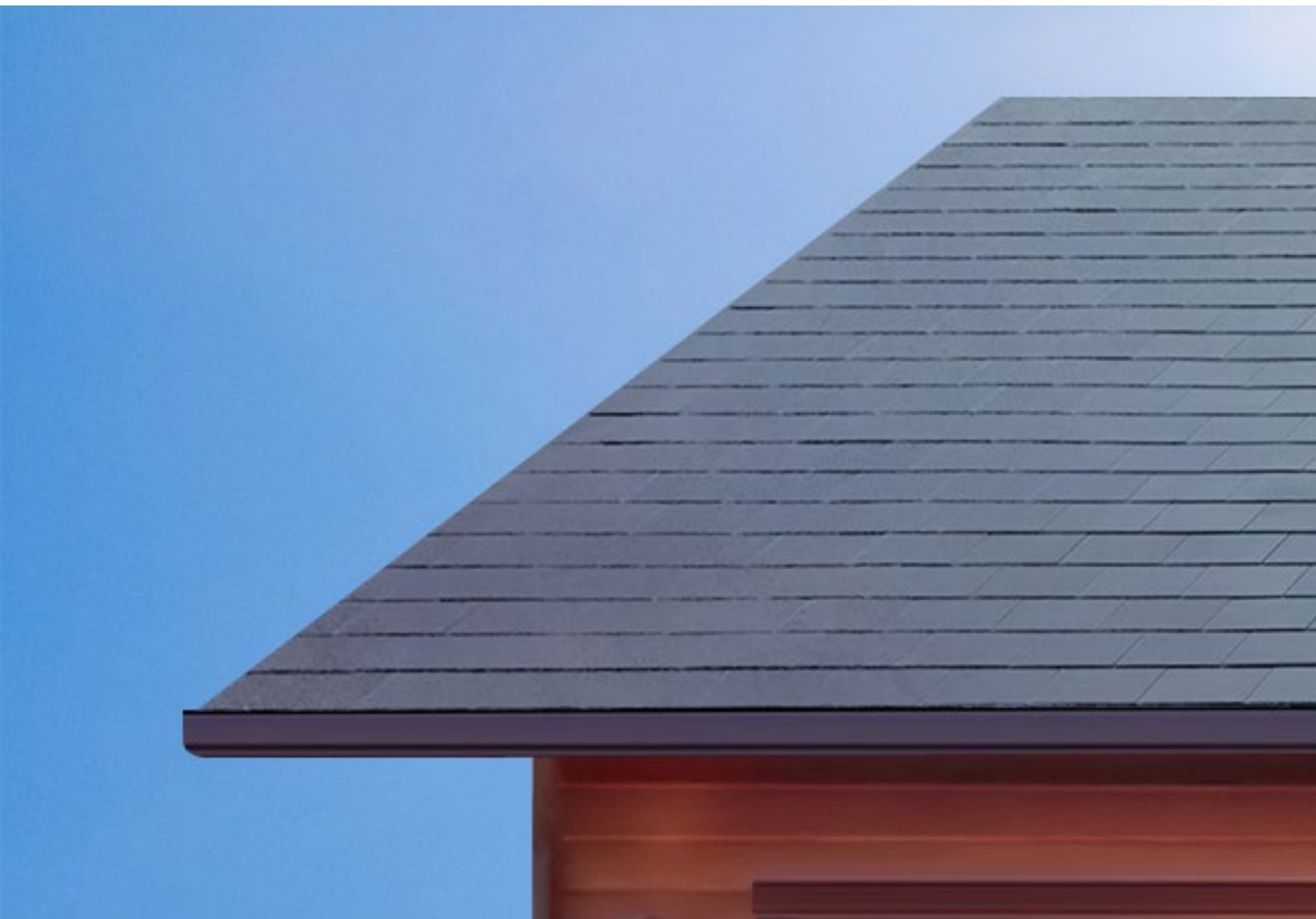


TESLA

OUR MISSION

Accelerate the world's transition to sustainable energy

THE FUTURE WE WANT



Generation



Storage



Transport

2016



2017



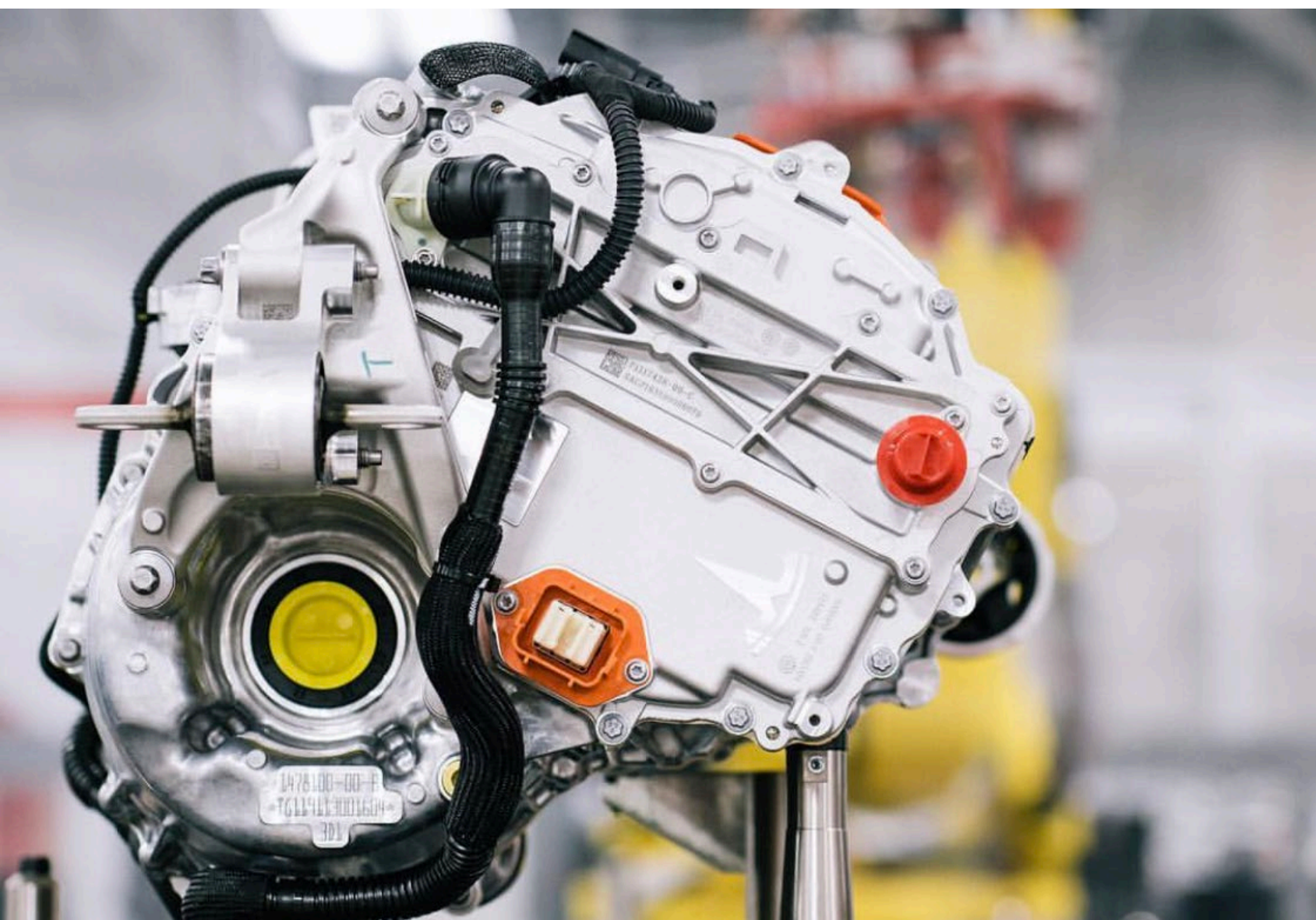
2018



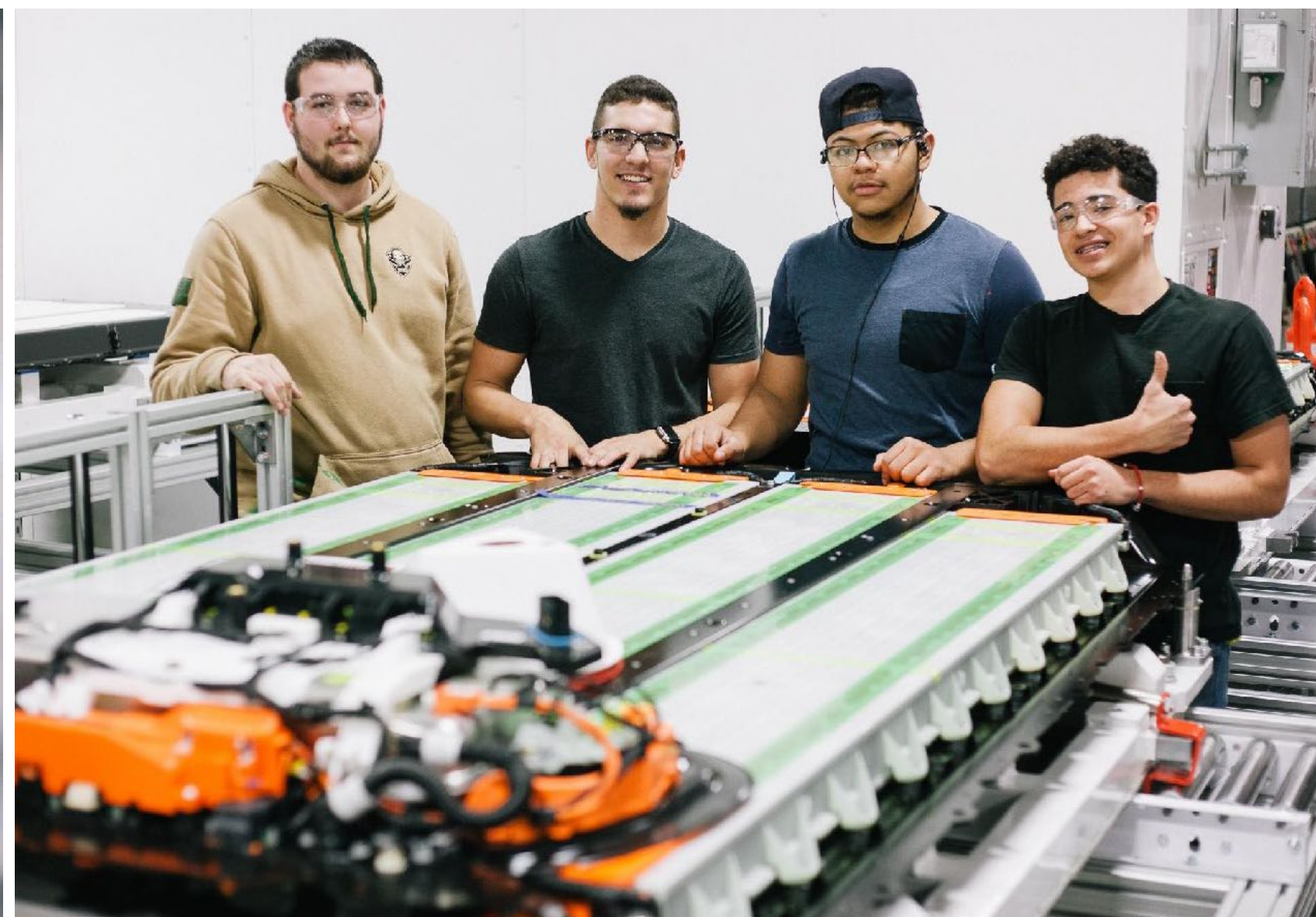
TODAY



MADE IN NEVADA



Electric Motors



Battery Packs



Energy Storage

EDUCATION ENGAGEMENT

As part of the partnership with Nevada to build Gigafactory 1, Tesla committed to invest \$37.5M into Nevada's K-12 education system (\$7.5M per year for 5 years) starting in July 2018

TESLA'S K-12 INVESTMENT

The funds are directed at initiatives that support robotics and sustainability efforts within Nevada's K-12 education system.

We are focused on directly supporting the development of future engineers in Nevada.

TESLA'S K-12 INVESTMENT

INVESTING IN SUSTAINABILITY PROGRAMS

ENERGY: ENVIROOLUTION



Inspiring and empowering the next generation of leaders and workers who will drive the growth of a sustainable economy.



KEY ASPECTS

PROJECT RECHARGE



- Project based STEM curriculum and teacher training program.
- Middle and high school students become energy detectives focused on saving their school and community valuable resources.
- Students and teachers learn about sustainability, energy generation, consumption and efficiency.

CAREER QUEST



- Students explore workplace STEM and sustainability practices as a means to connect businesses to their future workforce.
- During 3-5 hour field trips, students learn about the businesses, interact with staff, and engage in facility tours.
- Students also participate in exciting, hands-on activities developed with the businesses to showcase an aspect of their mission and/or operations.

ENVIRONMENTAL IMPACT

The implementation of 5 student driven proposals in 2019 will save valuable resources while driving workforce development.

215,298

Kilowatt hours saved

\$22,613

In annual energy savings

285,564

Pounds of CO2 emissions reduced.

INVESTING IN SUSTAINABILITY PROGRAMS

2019 IMPACT



630

Students toured Tesla's Gigafactory 1 through Career Quest diving into life at Tesla.



42

Schools across 9 school districts participated in Project Recharge or Career Quest.



9,630

Students participated in Project Recharge and Career Quest in 2019.



\$34,600

Invested in classroom materials for 21 teachers across Northern Nevada.



INSPIRED BY THE COMMUNITY



INSPIRED BY THE COMMUNITY

