

the power to change

2021 IMPACT REPORT



GRID
ALTERNATIVES
North Valley

the power to change

GRID ALTERNATIVES 2021 IMPACT REPORT

It's never been more important for families and communities in California's North Valley to save money, and for clean energy to prevail over fossil fuels. The pressures of the ongoing COVID-19 pandemic, economic instability, and climate disasters show that the benefits of renewable energy – clean air to breathe, resilient families, powerful communities – belong to everyone.

1,234

KW INSTALLED

The solar we installed in 2021 will help over **200 families** save money while bringing job training opportunities and clean air to their communities.

\$11.3 million

LIFETIME SAVINGS

Our unique, people-first model puts money back into **families' and organizations'** pockets so they can invest in their lives and their communities.

20,000

TONS OF GREENHOUSE GAS EMISSIONS PREVENTED

It's hard to get your arms around tons of gas! Imagine if you could take **3,795 cars** off the road, or plant **478,000 trees**. That's what it's like.





ENERGY FOR ALL

A program of GRID Alternatives

80

RE-ROOFS COMPLETED

Many of our 2021 clients needed new roofs in order to qualify for rooftop solar. When funding allowed, GRID contracted roofing services for partial or full re-roofs so that those families could benefit from over **\$8 million** in lifetime solar savings.

170

SOLAR SYSTEMS INSTALLED

GRID's solar installations power **homes and communities**, with some providing additional benefits like **battery storage** and **electric vehicle charging** for increased savings and resilience.



STOCKTON TRANSFORMATIVE CLIMATE COMMUNITIES SINGLE FAMILY SOLAR INSTALLATIONS & COMMUNITY RESOURCE FAIR COMPLETED AUGUST 15, 2021

GRID North Valley installed no-cost solar systems for 2 families living on the same street in Stockton. To mark the occasion, we invited our Stockton TCC and environmental justice partners to join us for a Community Resource Fair. Unfortunately, we had to shut down our event early due to poor air quality caused by the Caldor Fire. It was a sobering reminder of the urgency of our work – families and communities need the ability to afford electricity to stay cool and power air filters on days when they have to stay inside, even while moving away from fossil fuel energy that is a major contributor to the climate crisis.



INSTALLATION BASICS TRAINING GRID BRINGS SOUL TO THE INDUSTRY

When Dariyn Choates graduated from Sacramento State in the Spring of 2021, he didn't know much about solar. A former football player with a fresh Bachelor's degree in Sociology, Dariyn decided to enroll in GRID's IBT program to learn more about solar and the career opportunities available to him. After excelling in the program, Dariyn was hired by Villara Building Systems shortly after graduating and began working as a solar installer. Within a couple of months as an installer, Dariyn started to build the foundation of what is now SOULAR Solar Panel Cleaning. "I always had an interest after taking this program with GRID that I wanted to do something in the solar industry, but I wasn't sure what. My man Steve Geiger [GRID's Technical Academy Manager] helped me out a lot, led me in the right direction, taught me a bit about it so I could do my own research, and got it going." SOULAR Cleaning operates all over the Sacramento area, from the city of Sacramento to Rancho Cordova and Folsom.

94

TRAINEES GRADUATED

Of the 94 trainees who completed our Distance Learning program, **52 graduated** from an additional two weeks of in-person training.

42%

JOB PLACEMENT RATE

We had a total of 28 trainees who either gained employment after our training or were re-skilled in 2021, a **115% increase** from our 2020 placement numbers.

3

COMMUNITY FACILITIES SERVED

The commercial team at GRID works to serve tenants, developers, and mission-aligned nonprofits so that a greater number of people can benefit from renewable energy.

111

HOUSING UNITS

Our commercial team works closely with partners to provide relief from high utility costs for tenants, allowing residents to leave more money in the home and in their own pockets.



STOCKTON TRANSFORMATIVE CLIMATE COMMUNITIES MULTIFAMILY SOLAR INSTALLATION BROUGHT SOLAR POWER TO CASA DE OASIS DECEMBER 07, 2021

In Stockton, GRID installed a 78 kW solar system for Stocktonians Taking Action to Neutralize Drugs (STAND), a local community organization with an affordable housing program that rents to very low income families and pays their utility bills. The solar system is projected to have economic impacts for 37 families, with an environmental impact equivalent to taking 231 gas cars off the road for one year or planting 28,000 trees. STAND is projected to have an estimated energy cost savings of \$1.86 million over the system's lifetime, which will help them save money that can be reinvested in their work.



DISASTER RECOVERY INITIATIVE BROUGHT PEACE OF MIND & SOLAR SAVINGS TO WILDFIRE SURVIVORS

Years after the Camp Fire, many survivors are still dealing with trauma, housing insecurity, and other ramifications from the fire. At GRID Alternatives North Valley, the Camp Fire personally impacted many of our staff and clients – prompting us to launch our Disaster Recovery Initiative in 2019 to contribute to rebuilding more resilient communities through access to clean energy technology. As of 2021, GRID has installed a total of nearly **90 kW** through 26 single-family solar projects as part of this initiative, including three solar + battery storage projects and one solar + electric vehicle (EV) charger project, totaling **\$250,000 in solar savings**, and preventing over **630 tons** of greenhouse gas emissions.

50

DISASTER SURVIVOR FAMILIES SERVED

In 2021, GRID Alternatives North Valley installed solar on 14 wildfire survivors' homes, including one solar + battery storage project. We also completed a 30-kW solar system for Paradise Community Village, one of the only affordable housing developments in Paradise, which was rebuilt after the Camp Fire.

6

GROUND-MOUNTED SOLAR INSTALLATIONS

Many wildfire survivors were living on fixed or low incomes before they lost their homes and couldn't afford a full rebuild. Local partners like the Camp Fire Long Term Recovery Collaborative were able to house these families in pre-fabricated manufactured homes, requiring a ground mounted system.

SUPPORTERS

A huge thank you to all of our volunteers and supporters who give their time, energy, and financial resources to bring our shared vision to reality. Our philanthropic supporters in 2021 included:

OVER \$1 MILLION

City of Stockton's
Transformative Climate
Communities Program

\$100K – \$500K

Sacramento Municipal
Utilities District

\$10K – \$25K

Accenture
U.S. Bank
Wells Fargo

\$1k – \$5k

Katherine Lizon
Elemental Excelsior
A1M Solutions

\$100 – \$500

Al Rich
Anthony Alexiades
Araceli Mercado
BNI Northern CA
Cache Creek Casino &
Resort
Carlos Zavala
Carol Davydova
David Tamayo
Erik Johnson
Fred Lindeman
In-N-Out
Jacob Caditz
Jesse D. Ernest
Jonathan Marz
Julie Goldfine
Keith Bruce

Michael Dela Pena
New Clairvaux Vineyard
Rebekah Casey
Rosalie Yacoub
Stephanie Bruce
Steve Geiger
United Way of King
County
Varian Medical Staff

<\$100

Alejandro Arteaga
Alexander Murray
Arianne Ortegarey
Ashley Malyszka
Bambi Tran
Carly Smith

Chris Glaubig
Clara Barber
Cori Ring
Denice Huff
Dolores Garay
Emily Potter
Evelyn M. Thomas
Nika Hogue
Hallie Kenyon
Kari Kapadia
Kathleen
McCarthy
Krista Gray
Melanie Biesecker
Michael J Wood
Natasha Ferguson
Penelope Amadali
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Richard Behymer
Sacramento Food Co-Op
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