It’s never been more important for families and communities 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.

**GRID ALTERNATIVES 2021 IMPACT REPORT**

3,439

**HOUSEHOLDS SERVED**

From farmers in Nicaragua to factory workers in Washington, D.C., the solar we installed in 2021 will prevent over **319,000 tons** of greenhouse gas emissions.

$125,700,729

**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.

30

**COMMUNITY FACILITIES SERVED**

Nonprofit organizations, health clinics, schools, and orphanages are all benefiting from solar savings, while bringing job training opportunities and clean air to their communities.

**INLAND EMPIRE VISTA VERDE PROJECT**

**ALL-ELECTRIC AFFORDABLE HOUSING COMMUNITY**

**COMPLETED APRIL 1, 2021**

Vista Verde is the first all-electric, zero net energy affordable housing community in Ontario, CA, providing 101 high-quality apartments for families who earn between 30-60% of the area median income. GRID Inland Empire staff and SolarCorps Fellows installed 380 kilowatts of solar, making the development both all-electric and zero net energy, meaning that it produces more energy than it uses. The rooftop and carport solar will save residents hundreds of thousands of dollars over the next 20 years.
6,058
KILOWATTS INSTALLED
That’s over 196 million lifetime kilowatt hours – and if you’ve looked at your energy bill recently, you know that this translates into massive savings for the families and communities we work with.

319,507
TONS OF GREENHOUSE GAS EMISSIONS PREVENTED
It’s hard to get your arms around tons of gas – it’s a vapor! Imagine if you could take 61,159 cars off the road, forever. That’s what it’s like.

KALIKA KHETU HEALTH CENTER, JUMLA NEPAL
GRID AND GHAM POWER BROUGHT SOLAR ELECTRICITY TO THE KALIKA KEHTU PRIMARY HEALTH CENTER
COMPLETED JULY 10, 2021

In July 2021, GRID Alternatives and partner Gham Power installed a 4.875 kW photovoltaic system on the roof of the remote Kalika Khetu Primary Health Center, which serves as a medical clinic and birthing center to approximately 4,500 people from surrounding communities. Access to solar electricity will enable the staff to power their electric medical devices and diagnostic equipment, and have a reliable heat source in the winter. Before having solar, the center relied on firewood to heat the facility in colder months.

Now, the Kalika Khetu Health Center powers lighting, medical equipment, vaccine refrigeration, warming beds for newborn babies, and provides emergency services and care to women and their babies. The center has also been able to run a refrigerator to store medical supplies and vaccines, including the COVID-19 vaccine. Access to solar electricity will allow the center to provide a reliable and wide range of health services to its community.
In 2021, GRID launched the Installation Basics Training (IBT) program, a 5-week hands-on solar installation training program for women in Nicaragua. The training program is unique for its focus on women in technical roles and for the breadth and depth of materials covered from electricity basics, job readiness, safety, tools, and solar installation techniques. Recent graduate, Arasi Torres, tells of her experience as a GRID job trainee. “Me encantó toda la experiencia/I loved the whole experience”.

**INSTALLATION BASICS TRAINING (IBT 200) NICARAGUA BROUGHT HANDS ON TRAINING TO WOMEN IN NICARAGUA JULY 2021**

16 NICARAGUAN WOMEN GRADUATES
Since graduating the program, seven women have been hired by the local solar industry.

41 SOLAR SYSTEMS INSTALLED INTERNATIONALLY
In Nepal, Nicaragua, and Mexico, GRID’s off-grid and grid tied solar installations have powered homes and community centers, many providing benefits to women through improved maternal care and access to community services.
GRID Alternatives’ National Tribal Program has worked since 2010 to help tribal communities across the United States achieve their renewable energy goals. Now beginning its second decade, the program is moving toward 1,000 installations and has worked with communities from Alaska to New York.

TRIBAL SOLAR INSTALLATIONS
GRID Alternatives’ National Tribal Program has worked since 2010 to help tribal communities across the United States achieve their renewable energy goals. Now beginning its second decade, the program is moving toward 1,000 installations and has worked with communities from Alaska to New York.

KPMG SPONSORED WORKDAY INSTALL IN RICHMOND, CA
KPMG BROUGHT SOLAR POWER TO THE GARCIA FAMILY OF SIX
OCTOBER 07, 2021

In Richmond, CA, GRID installed a 3.15 kW solar system, which is projected to have environmental and economic impacts for the family and the community. Benefits to the community are equivalent to taking 6.6 gas cars off the road for one year or planting 802 trees. The family is projected to have an estimated energy cost savings of $17,603 over the system’s lifetime. Zenon Garcia, who single-handedly supports his family of six, is incredibly grateful for the savings provided by his no-cost solar system.

EV CHARGER INSTALLATIONS
2021 was the year GRID Clean Mobility kicked into high gear. The benefits of electric vehicles, especially when paired with solar, drive families into a clean future, replacing gasoline with sunshine and reducing local air pollution. Over 600 households made the transition in 2021.

109
TRIBAL SOLAR INSTALLATIONS
GRID Alternatives’ National Tribal Program has worked since 2010 to help tribal communities across the United States achieve their renewable energy goals. Now beginning its second decade, the program is moving toward 1,000 installations and has worked with communities from Alaska to New York.

604
EV CHARGER INSTALLATIONS
2021 was the year GRID Clean Mobility kicked into high gear. The benefits of electric vehicles, especially when paired with solar, drive families into a clean future, replacing gasoline with sunshine and reducing local air pollution. Over 600 households made the transition in 2021.
INSTALLATION BASICS TRAINING IN COLORADO BROUGHT REAL WORLD EXPERIENCE TO SOLAR STUDENTS JUNE 2021

Over the course of 2021, Colorado continued its IBT-200 training program with strict COVID safety policies in place. Over the five to nine week program, the trainees were introduced to installation skills through hands-on lessons in classrooms and on GRID Colorado’s “mock roof.” Afterwards, the trainees implemented what they learned in the classroom on real-world solar residential and commercial installations on residential and commercial sites. In addition, trainees received career readiness training including resume building, mock interviews, soft skill development, and financial and computer literacy training, and received their CPR/First Aid and OSHA 10 certifications.

Of the 17 trainees that graduated, 15 secured employment and reported that GRID’s training helped them secure that job.

224 PEOPLE RECEIVED HANDS-ON EXPERIENCE
From expanding our Women in Solar program internationally to training individuals in tribal communities to build local renewable powered solutions, GRID continues to be the first step in a life-long rewarding career for people in the solar industry.

19,899.5 TOTAL JOB TRAINING HOURS
With hands-on training on solar installations, individuals gain real-world experience and tangible skills while building local community powered solutions.
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 top philanthropic supporters in 2021 included:

OVER $1 MILLION
An Anonymous Fund of the Silicon Valley Community Foundation
Ann Theodore Foundation
Bezos Earth Fund
California Air Resources Board
California Department of Community Services and Development
California Energy Commission
City of Fresno Transformative Climate Communities
City of Ontario
City of Riverside
City of San Diego Community Development Block Grant Program
City of Stockton
Enphase Energy
Solar Energy Technologies Office, U.S. Department of Energy
The Green Together Collaborative
The JPB Foundation
U.S. Department of Labor Employment and Training Administration
Washington D.C. Department of Energy and Environment
Wells Fargo Foundation

$100K-$250K
Adams County
California Governor’s Office of Business and Economic Development
City of Moreno Valley
City of Sacramento
County of San Diego
Denver Urban Renewal Authority
Facebook
Golden State Environmental Justice Alliance
Google
IGS Energy
Jean & Robert Graham
Mighty Arrow Family Foundation
North Valley Community Foundation
NortonLifeLock Inc.
Sacramento Municipal Utility District
Target
The 11th Hour Project, a program of The Schmidt Family Foundation
U.S. Bank Foundation
Weingart Foundation
Honlold Foundation
Illumina Corporate Foundation
Leon Lowenstein Foundation
Roberts Enterprise Development Fund
Sacramento Metropolitan Air Quality Management District
Sempra Foundation
Silicon Valley Community Foundation
SMA America
Sunrun
The Grove Foundation

$25K-$100K
Accenture
All Points North Foundation
ALSTOM Foundation
Anonymous
Boeing
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Meta
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Pinterest
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Sally Mead Hands Foundation
Sempra
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The GRID Alternatives Climate Ride Team
The Hervey Family Fund at the San Diego Foundation
Tides Foundation
U.S. Department of State Embassy of Managua
Union Bank
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$5K-$25K
Anonymous donor advised fund of the Jewish Community Foundation
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KPMG
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MCE Clean Energy
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Toshiba America Electronic Components, Inc.
The Townshend Lamarre Foundation
WayMo
William C. Banner Foundation

$250K-$1000K
Adams County
California Governor’s Office of Business and Economic Development
City of Moreno Valley
City of Sacramento
County of San Diego
Denver Urban Renewal Authority
Facebook
Golden State Environmental Justice Alliance
Google
IGS Energy
Jean & Robert Graham
Mighty Arrow Family Foundation
North Valley Community Foundation
NortonLifeLock Inc.
Sacramento Municipal Utility District
Target
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Illumina Corporate Foundation
Leon Lowenstein Foundation
Roberts Enterprise Development Fund
Sacramento Metropolitan Air Quality Management District
Sempra Foundation
Silicon Valley Community Foundation
SMA America
Sunrun
The Grove Foundation

$5K-$1MILLION
A donor advised fund of the San Francisco Foundation
AmeriCorps
Bank of America Charitable Foundation
Bishop Paiute Tribe
California Governor’s Office of Business & Economic Development
City and County of Denver
Colorado Workforce Development Council
Edison International
General Motors
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