

# the power to change

2021 IMPACT REPORT





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## GRID ALTERNATIVES 2021 IMPACT REPORT

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.

# 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.





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

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”.



# 16

### NICARAGUAN WOMEN GRADUATES

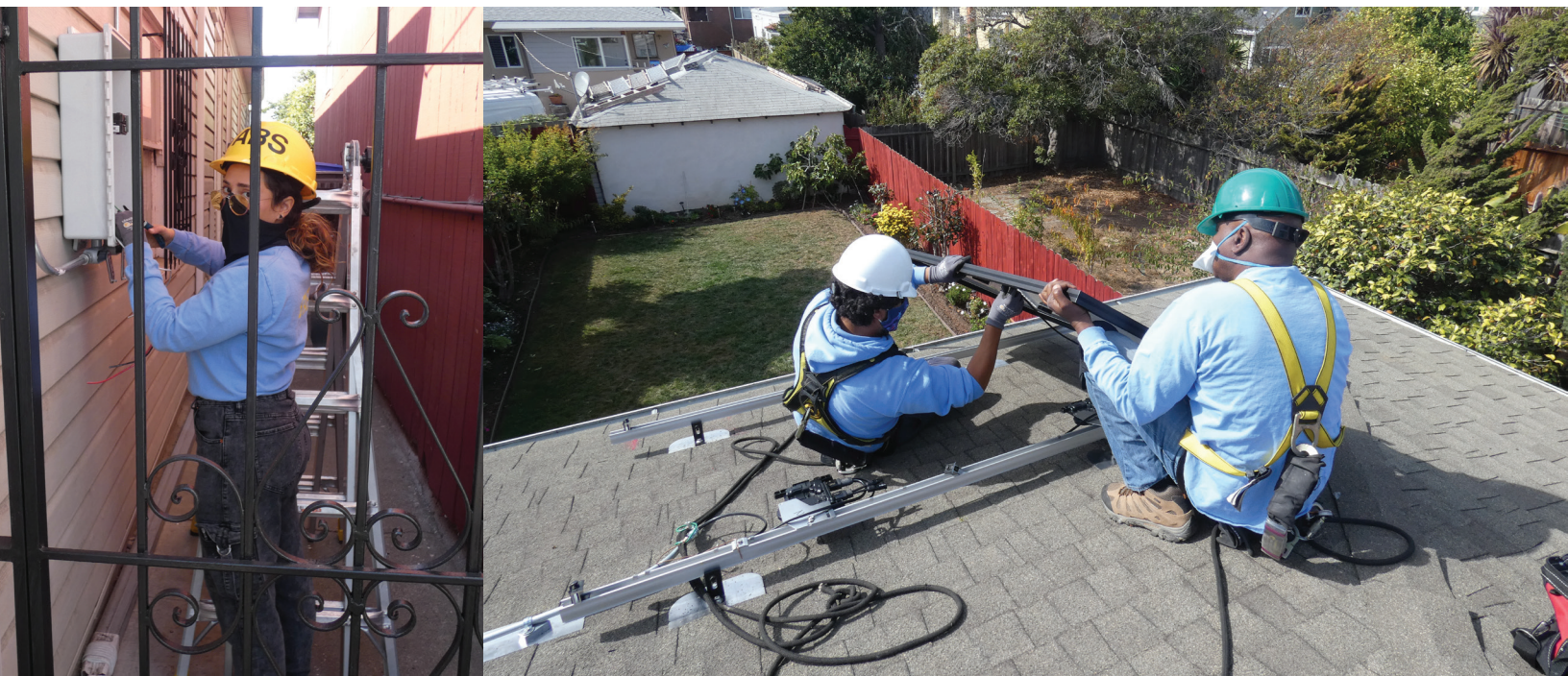
Since graduating the program, **seven women have been hired** by the local solar industry.

# 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.





**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.

# 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

### \$250K-\$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  
Google.org

Honnold Foundation  
Illumina Corporate Foundation  
Leon Lowenstein Foundation  
Roberts Enterprise Development Fund  
Sacramento Metropolitan Air Quality Management District  
Semptra Foundation  
Silicon Valley Community Foundation  
SMA America  
Sunrun  
The Grove Foundation

### \$100K-\$250K

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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

### \$25K-\$100K

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Radian Generation  
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Roberts Enterprise Development Fund  
Sally Mead Hands Foundation  
Semptra  
The Buck Foundation  
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  
United Airlines

### \$5K-\$25K

Anonymous donor advised fund of the Jewish Community Foundation  
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