CALIFORNIA YOUTH ENERGY SERVICES

In the summer of 2018, Rising Sun partnered with the City of Concord for the fourth year to host a CYES program. CYES employed 5 Concord youth and served 84 Concord residences with no-cost Green House Calls.

Rising Sun Energy Center, a local nonprofit, partners with cities and PG&E Energy Watch Partnerships to deliver the CYES program. CYES employs local youth to perform energy efficiency and water conservation assessments and installations in local homes – at no cost to the customer. Since 2000, CYES has served 46,691 customers and employed 1,842 young adults. To date, the program has saved over 137.5 million lifetime kWh and 3.17 million lifetime therms, and prevented 113,342 metric tons of CO₂ emissions.

CYES employs local young adults in a meaningful, positive work experience where they can make a difference in their community, help the environment, and shape their future success. Our youth Energy Specialists work in teams of two to provide their neighbors with no-cost Green House Calls. In addition to job training, Energy Specialists participate in weekly professional development workshops. CYES youth are empowered to take direct action to mitigate climate change, while also gaining valuable job experience.

**YOUTH IMPACT**

- 93% reported an increase in overall skill development
- 68% said their future plans were positively impacted by CYES
- 71% reported an increase in their environmental sustainability knowledge

**YOUTH DEMOGRAPHICS**

- 53% said CYES was their first job
- 91% said CYES was their first green job
- 39% reported experiencing barriers to employment before CYES

**YOUTH TESTIMONIALS**

“Working for CYES motivated me to select environmental science majors when applying for college. In the fall, I will start freshman year at UC Davis as an Environmental Policy Analysis and Planning major.”

“CYES is the most meaningful thing I’ve ever done to contribute to the environment.”
Youth Energy Specialists installed energy- and water-saving devices in local homes, which led to the annual reduction of 14,285.57 kWh, 24 therms, and 264,000 gallons of water, preventing 10.8 metric tons of CO₂ from entering the atmosphere each year. This is equivalent to avoiding CO₂ greenhouse gas emissions from the following:

- 1,218 gallons of gasoline consumed
- 1.6 homes’ electricity use for one year
- 26,537 miles driven by an average passenger vehicle

### HOUSEHOLD DEMOGRAPHICS*

<table>
<thead>
<tr>
<th>Languages</th>
<th>Spanish 50%</th>
<th>Vietnamese 50%</th>
<th>Other 0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mandarin 5.6%</td>
<td>22.1%</td>
<td>66.7%</td>
<td>5.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Income</th>
<th>Low-Moderate 50%</th>
<th>Above Moderate 50%</th>
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<tr>
<th>Ethnicity</th>
<th>Caucasian 54.8%</th>
<th>Hispanic/Latino 14.3%</th>
<th>East Asian 1.1%</th>
<th>Other 7.1%</th>
</tr>
</thead>
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<tr>
<th>Households</th>
<th>Own 33.8%</th>
<th>Rent 66.2%</th>
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*Percentages based off clients who responded to voluntary demographic questions

Languages spoken at home other than English

### MATERIALS INSTALLED

- 706 LED globe light bulbs
- 108 LED flood light bulbs
- 46 tier 2 advanced powerstrips
- 64 LED night lights
- 28 kitchen and bathroom aerators
- 3 efficient-flow showerheads

### ENERGY AND WATER SAVINGS

### CITY OF CONCORD

### CLIENT FEEDBACK

“The team was courteous, knowledgeable and thorough. We appreciated how well they worked together. Great program!”

“The youth Energy Specialists were very professional and courteous. I had a napping toddler, and they didn't wake her up!”