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Five of the six counties that we partner with serve communities that score in the top twentieth percentile on the Disadvantaged Community scale. The arrows in the above map point to those communities. Our California Youth Energy Services (CYES) program

provides tangible benefits to the communities that we serve in the form of job training and employment, reduced water and energy consumption, and lowered energy and water bills. CYES provides services to all community members regardless of income. However, it is designed to serve hard-to-reach residents, including renters, low-moderate income households, and non-English speaking households, who often miss out on similar services. CYES brings services directly to these households by employing bilingual Energy Specialists and through renter-specific marketing. Since Energy Specialists are hired directly from the communities they serve, their language skills mirror the community itself, and allow increased access to non-English speaking households. What makes CYES unique is its three-pronged focus on youth development, youth employment, and energy and water conservation.

Summer 2014 Results

During the summer of 2014, we employed and trained a total of 132 youth from the 15 cities in which we worked. These youth provided 4,444 Bay Area households with energy and water conservation assessments, installations, and education. The population that received the services were:

- **53%** renters
- **71%** low-moderate income households
- **47%** speakers of a language other than English at home

4,444 Green House Calls resulted in an annual savings of **839,647** kWh, **12,243** therms, **3,004** gallons of water per minute, and the equivalent to **643.9** metric tons of carbon dioxide. This is equivalent to one of the following:

- CO₂ emissions from **72,454** gallons of gasoline consumed
- CO₂ emissions from **1,497** barrels of oil consumed
- Carbon sequestered by **528** acres of U.S. forests in one year

Results by County:

Alameda County

CYES operated in Oakland, Hayward, Union City, Dublin, Emeryville, Fremont, and Pleasanton this past summer, employing a total of 52 youth. A total of 1,766 homes were serviced with energy-saving hardware and information. Of those who responded to our survey,

- 51% were renters
- 58% spoke a language other than English at home

The installation of energy and water efficiency equipment resulted in an annual reduction of 380,570 kWh, 4,990 therms, and 1,091 gallons of water per minute, thereby reducing 318.4 metric tons of carbon dioxide from entering the atmosphere. This is equivalent to CO2 emissions from 32,500 gallons of gasoline consumed.

Contra Costa County

CYES operated in Antioch, Martinez, and Richmond this past summer, employing a total of 27 youth. A total of 1,039 homes were serviced with energy-saving hardware and information. Of those who responded to our survey,

- 63% were renters
- 55% spoke a language other than English at home

The installation of energy and water efficiency equipment resulted in an annual reduction of 173,095 kWh, 2,387 therms, and 1,138 gallons of water per minute, thereby reducing 144.8 metric tons of carbon dioxide from entering the atmosphere. This is equivalent to CO2 emissions from 16,294 gallons of gasoline consumed.

Marin County

CYES operated in Novato and San Rafael this past summer, employing a total of 17 youth. A total of 582 homes were serviced with energy-saving hardware and information. Of those who responded to our survey,

- 39% were renters
- 41% spoke a language other than English at home

The installation of energy and water efficiency equipment resulted in an annual reduction of 108,741 kWh, 618 therms, and 187 gallons of water per minute, thereby reducing 78.3 metric tons of carbon dioxide from entering the atmosphere. This is equivalent to CO2 emissions from 8,811 gallons of gasoline consumed.

Solano County

CYES operated in Vallejo, Vacaville, Fairfield, and Benicia this past summer, employing a total of 36 youth. A total of 1,057 homes were serviced with energy-saving hardware and information. Of those who responded to our survey,

- 64% were renters
- 22% spoke a language other than English at home

The installation of energy and water efficiency equipment resulted in an annual reduction of 168,440 kWh, 1,810 therms, and 578 gallons of water per minute, thereby reducing 125.6 metric tons of carbon dioxide from entering the atmosphere. This is equivalent to CO2 emissions from 14,133 gallons of gasoline consumed.

San Joaquin County

CYES launched a pilot program in San Joaquin County this Fall that will complete in December 2014. With one site location in Stockton, over 200 homes have already been serviced by the 9 youth employed by our program. Metrics regarding the population served and energy and water conserved will be available early 2015.

Sonoma County

CYES will launch its first Sonoma County effort in the summer of 2015. The site location will serve surrounding communities in the county.