

DOCKETED

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DEPT. OF COMMUNITY SERVICES & DEVELOPMENT



CSD - DEPARTMENT OVERVIEW

- CSD - Under the California Health & Human Services Agency umbrella
- CSD contracts with a network of private non-profit and local government organizations to support the local administration of programs designed to reduce poverty by:
 - Providing services to assist low-income individuals and families to achieve and maintain self-sufficiency.
 - Helping families meet their home energy needs and reduce their utility costs through energy efficiency upgrades and access to clean renewable energy

CSD'S PROGRAMS

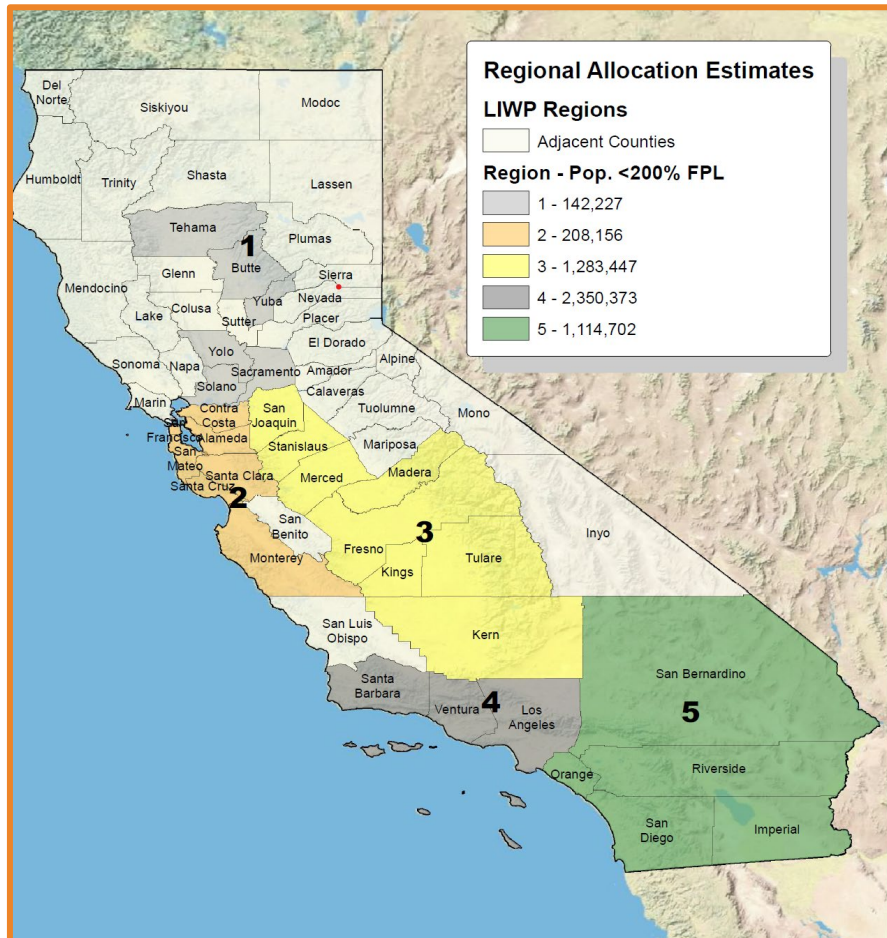
➤ Federal Energy Programs

- U.S. Dept. of Health and Human Services Low-Income Home Energy Assistance Program (LIHEAP)
 - Provides utility assistance payments, energy crisis and weatherization services.
- U.S. Dept. of Energy Weatherization Assistance Program (DOE WAP)

➤ State Program – Low-Income Weatherization Program (LIWP)

- LIWP investments reduce greenhouse gas (GHG) emissions and lower energy costs for low-income individuals and families. Two program components at present:
 - Farmworker Housing Component: No-cost solar photovoltaic (PV) systems and energy-efficiency (EE) upgrades for low-income farmworker households.
 - Multifamily Energy Efficiency and Renewables – Provides T&TA and financial incentives for EE upgrades and PV installations in low-income MF buildings, also includes a Multifamily Farmworker Housing allocation.

LIWP SINGLE-FAMILY PROGRAM (EARLIER ITERATION)



- LIWP's SF approach (Circa 2016-17) – \$57.6M
- Program Design
 - Stakeholder input – Worked with SB 535 Coalition, Disadvantaged Community (DAC) members, energy industry contractors, and community-based organizations
 - Procurement Process – Principal proposers limited to nonprofit or government entities
 - Proposers required to build a team of partners with capacity to handle all aspects of the SF program
 - Program Admin, Marketing, Direct Service Delivery, Materials Mgmt., Workmanship Warranty and Workforce Dev.
 - DAC-focused regional approach – 5 contiguous geographic regions
 - Allocations based on low-income population by county
 - Adjusted regions – Streamlined service delivery, administrative efficiencies – sufficient funding
- Measures Provided
 - Energy audit-driven EE (i.e., Insulation, energy-efficient appliances, lighting upgrades, etc.)
 - Solar PV
- Accelerated timeframe for expenditure of 18 months – Successfully completed!!!

LIWP SINGLE-FAMILY PROGRAM (EARLIER ITERATION)

Lessons learned:

- Integrating EE / SPV makes sense
 - Maximizes program results, streamlines marketing efforts, efficient delivery of services
- Defined regional approach
 - Administrative, material / supply costs and service delivery efficiencies
 - Proposers need to demonstrate experience and understanding of LI communities and populations within specific geographic regions – how can they best serve the residents
- Health & Safety / Structural Issues
 - H&S – Unsafe conditions in homes can be treated immediately – safety of residents primary concern
 - Structural - Age and condition of some homes makes efficiency retrofits difficult to impossible
 - Roof repairs and electric panel upgrades (Support PV)
 - Water heater platform repair, Kitchen exhaust repair or replacement, Attic ventilation

LIWP – FARMWORKER HOUSING COMPONENT

- Farmworker households qualify – 18 counties
 - General Funds (\$25M) – Additional California Climate Investments (\$15M)
 - Goal: Reduce GHG emissions and household energy costs through direct installation of EE and PV
 - Single-Family farmworker households (1 – 4-unit buildings, mobile homes)
 - Homeowners or renters can qualify (At or below 80% of AMI / 80% SMI)
 - Energy audit driven approach
 - Savings to Investment Requirements (SIR) – Cost effective package of measures
 - H&S (Heating, Cooling, Water Heating, Smoke detectors, CO alarms, etc.)
 - Limited Home Repair \$'s that support the installation of EE or PV (i.e., Roof repair, electric panel upgrades)

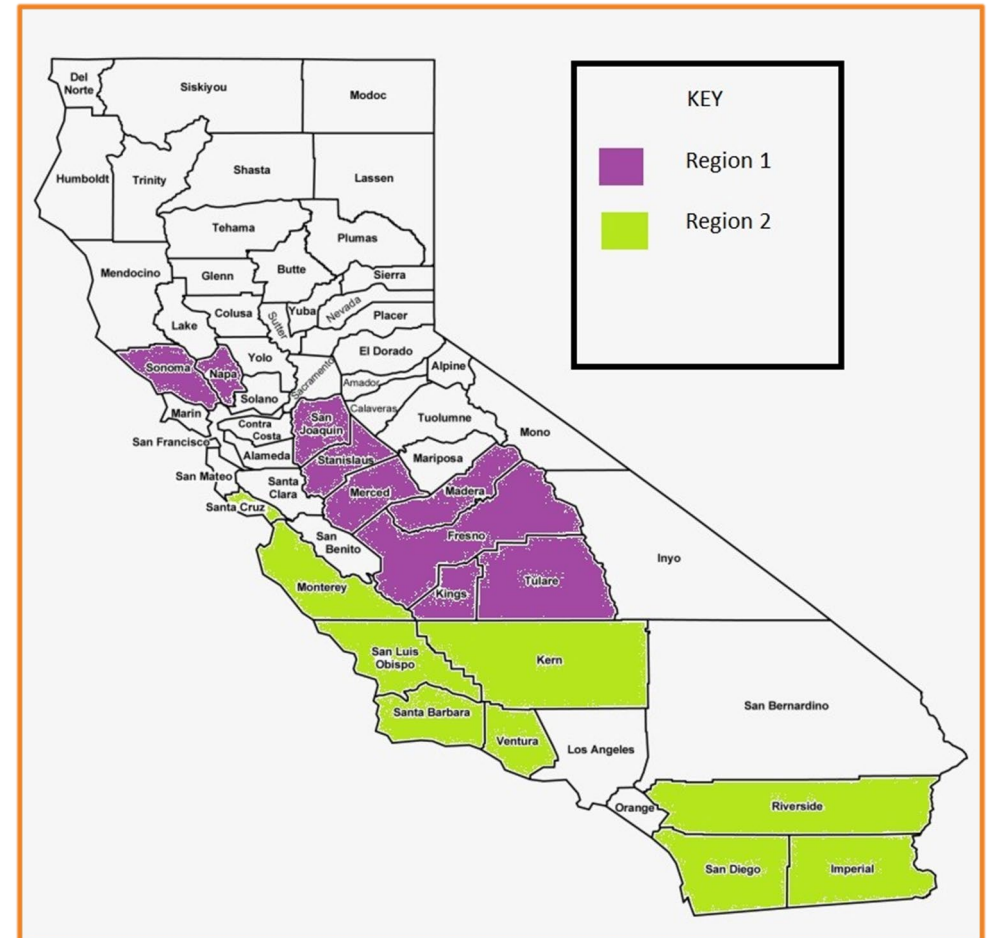
LIWP – FARMWORKER HOUSING COMPONENT

➤ EE / PV Measures:

- Lighting upgrades, WH fans
- Infiltration reduction & windows
- Insulation, (Ceiling, wall & floor)
- Central Heating & Cooling Upgrades, - includes HP Central and Ductless Mini-Splits
- H₂O heater, HP Water Heaters
- Duct sealing & replacement
- Solar PV (Homeowners only)

➤ Fuel switching (i.e., NG, propane, kerosene)

- Paired with PV – to manage energy costs
- Major Appliances - Heating, cooling and water heating appliances only



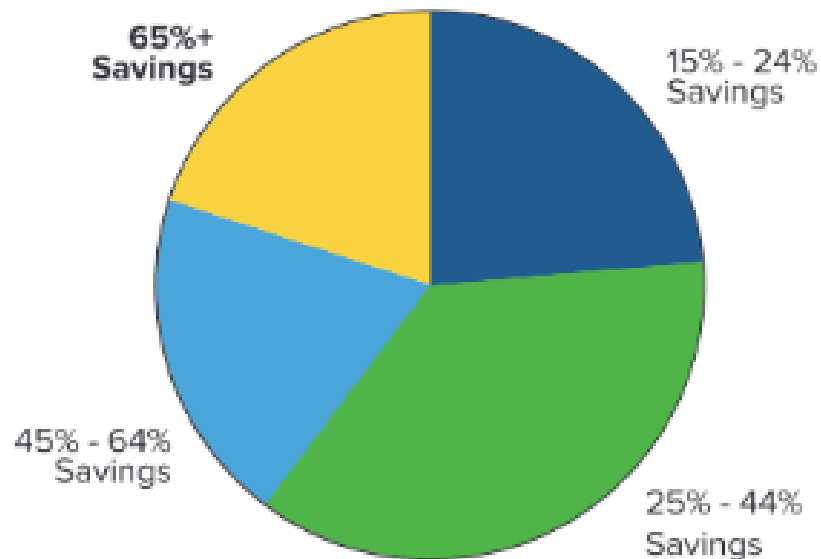
LIWP – MULTIFAMILY PROGRAM

- Newly awarded MF 2.0 being funded thru CCI (\$15M) and General Funds (\$25M)
 - 1st iteration of program funded at \$63.9M total since 2016 (CCI only)
 - Goal: Reducing GHG emissions / Energy usage – deep energy retrofit measures integrated with solar PV
 - One-stop shop - Implementer provides technical assistance and develops project scope with affordable housing property owners / managers
 - Energy Modeling Approach – Flexibility – No set menu of qualified measures
 - Incentives determined by projected GHG reduction (\$ / MTCO₂e)
 - Tiered incentives based on who benefits from investment
 - Resident benefitting = Higher incentive / Property owner benefitting = lower incentive
 - Aligns well with other incentive programs – helps to expand retrofit scopes

LIWP – MULTIFAMILY PROGRAM

ENERGY SAVINGS

LIWP MULTI-FAMILY PROPERTIES



- Building Types: MF dwellings with 5 or more units (66% of units at property must be at or below 80% of county AMI)
 - Carve-outs for vulnerable populations: Homeless shelters and housing that serves farmworker populations
 - Low-income residents and investments protected – Require minimum of 10 years remaining affordability / deed restriction
- Buildings must attain min. of 15% energy reduction – Min. 40% when paired with Solar PV
 - To date – Average of 44% across all projects served (chart)
- Innovation / Electrification:
 - Heat pump heating, cooling and H2O heating – integrated with solar PV
 - Several projects are near net zero (7 projects estimated at greater than 85% energy savings)

QUESTIONS / MORE INFO???

➤ More information available at following links:

- CSD Programs: <https://www.csd.ca.gov/programs>
- CSD's LIWP Programs: <https://www.csd.ca.gov/Pages/Low-Income-Weatherization-Program.aspx>
- Questions on LIWP MF or LIWP FW? Contact CSD's Climate Investment Unit Staff:
 - Emily Baker at Emily.baker@csd.ca.gov
 - Eric Schindell at eric.schindell@csd.ca.gov
- LIWP MF Implementer – Association for Energy Affordability (AEA):
 - <https://camultifamilyenergyefficiency.org/>
- LIWP FW Implementer – La Cooperativa Campesina de California:
 - <http://www.lacooperativa.org/>

