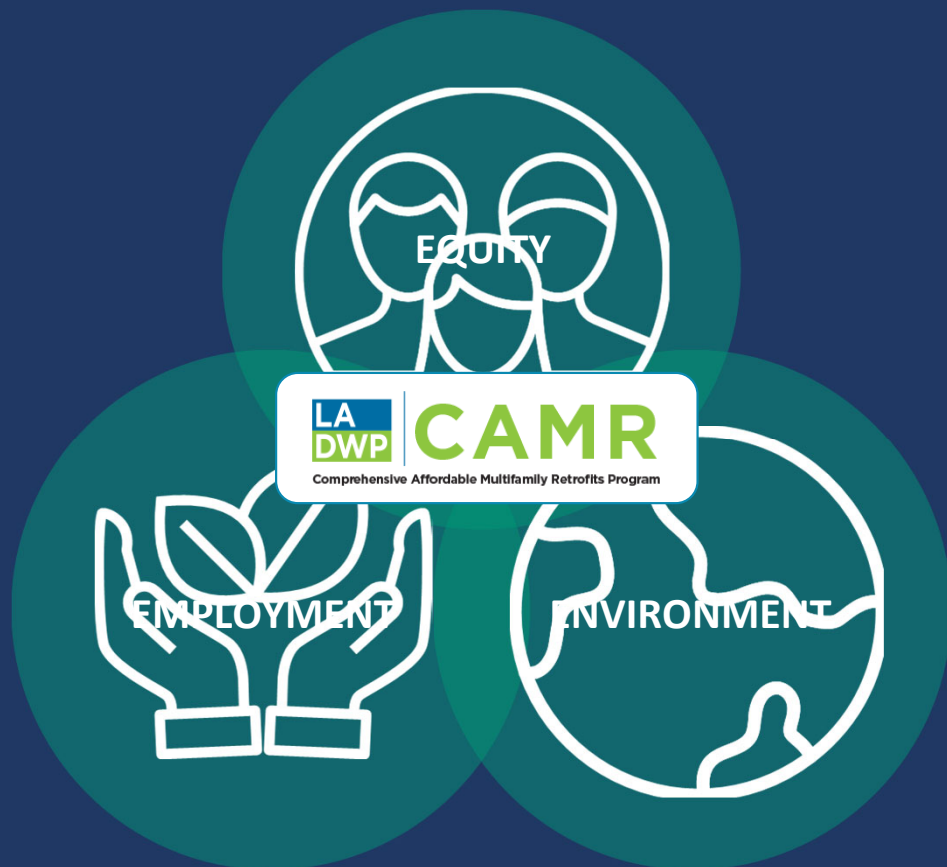




Comprehensive Affordable Multifamily Retrofits (CAMR) Program Updates

Enayet Miah
Manager of CI&I, Multifamily, & Field Support

COMPREHENSIVE AFFORDABLE MULTIFAMILY RETROFITS



CAMR delivers:

- Deep decarbonization of income-qualified multi-family buildings by retrofitting for energy efficiency, building electrification, and on-site solar PV
- Significant utility cost savings for low-income tenants and affordable housing property owners and managers
- Skilled, family-supporting green jobs for the local workforce

By:

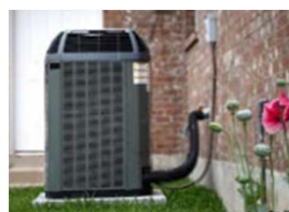
- Providing robust, layered incentives and technical support to help participants retrofit their properties
- Including “level playing field” requirements for participants’ contractors to pay prevailing wages and adhere to Labor-standard Skilled and Trained workforce requirements

CAMR MEASURES



Building Shell

- Cool roof
- Insulation
- Window Shading
- Title 24 Windows
- Air Sealing



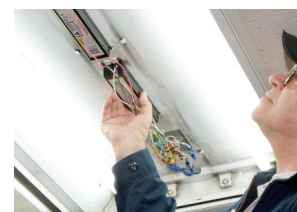
Space Heating & Cooling

- **Heating & cooling system replacement**
- Duct insulation & sealing
- Pump & fan replacement
- Refrigerant charge verification



Water Heating

- **Water heater or boiler replacement**
- Variable speed pumps and controls
- Pipe insulation
- Low-flow aerators & showerheads
- Pool, spa pumps & equipment



Lighting & Appliances

- **Stove, cooktop, range, & oven**
- **Clothes washers & dryers**
- In-unit, common area and exterior lighting
- Refrigerators
- Dishwashers
- Vending machine controllers



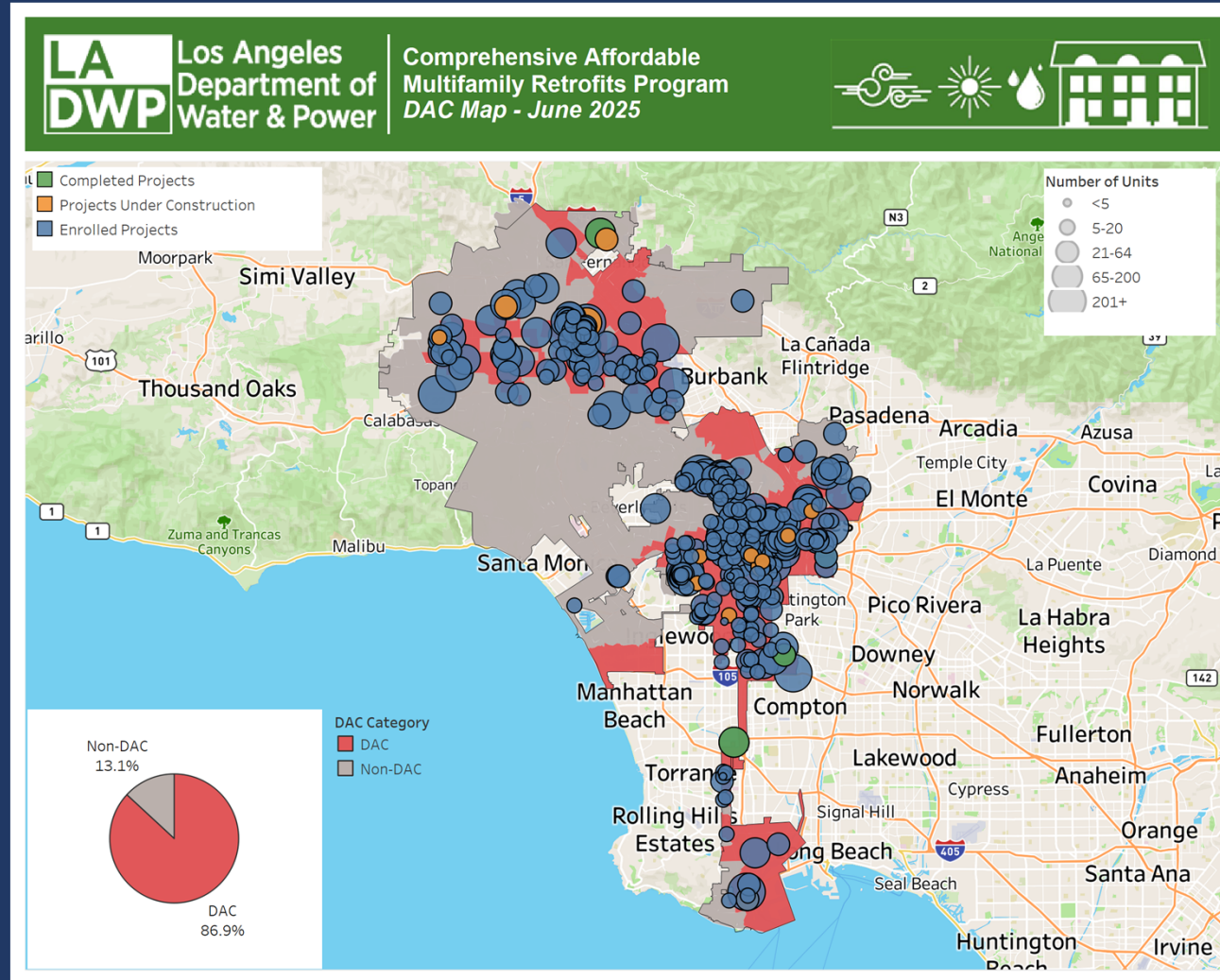
Renewable Energy

- Solar PV

CAMR EQUITY STATS

The map shows projects enrolled in CAMR from May 1, 2022 – June 30, 2025, relative to disadvantaged community (DAC) locations.

- We received interest forms for 430 properties, equivalent to 22,020 tenant units
- 87% of properties are within a DAC



COMPLETED CAMR PROJECTS

Council District	Units	Square Footage	Estimated GHG Savings	Estimated CAMR Incentive	Estimated Leveraged Funding	Estimated CAMR Boost Funding	Estimated Project Cost Coverage %
15	90	83,232	86.45	\$ 539,627.59	\$ 561,613.70	N/A	100%
15	40	27,353	50.49	\$ 297,012.83	\$ 183,423.00	N/A	55%
1	60	72,201	51.63	\$ 258,180.46	\$ 378,759.00	N/A	100%
14	49	17,256	69.00	\$ 456,153.16	\$ 1,070,360.00	\$ 37,100.00	95%
7	88	50,424	20.26	\$ 128,592.49	TBD	N/A	TBD

CAMR PROJECTS UNDER CONSTRUCTION

Council District	Units	Square Footage	Estimated GHG Savings	Estimated CAMR Incentive	Estimated Leveraged Funding	Estimated CAMR Boost Funding	Estimated Project Cost Coverage %
15	28	6,720	11	\$ 59,572.87	\$ 59,500.00	N/A	100%
1	17	7,450	28	\$ 182,056.84	\$ 614,482.00	N/A	100%
12	45	31,674	7	\$ 48,213.25	\$ 124,575.00	\$ 112,500.00	100%
9	33	54,413	49	\$ 346,039.24	\$ 456,150.00	\$ 195,000.00	100%
9	10	9,356	8	\$ 58,959.66	\$ 265,250.00	\$ 55,000.00	100%
1	15	17,696	10	\$ 79,252.43	\$ 374,765.00	N/A	100%
9	47	30,944	40	\$ 215,546.51	\$ 144,170.00	\$ 117,500.00	100%
6	154	132,340	93	\$ 574,611.46	\$ 154,000.00	\$ 250,000.00	TBD
8	20	15,387	16	\$ 88,542.68	\$ 269,404.00	N/A	100%
3	19	15,000	25	\$ 150,015.45	\$ 51,300.00	N/A	100%
7	48	29,991	29	\$ 158,579.69	TBD	\$ 232,500.00	100%
10	14	6,374	10	\$ 64,695.80	\$ 23,800.00	\$ 105,000.00	100%
12	45	31,674	33	\$ 176,427.57	\$ 371,500.00	\$ 112,500.00	100%
10	16	13,860	13	\$ 85,998.85	\$ 57,136.00	\$ 117,500.00	TBD
3	19	15,000	3	\$ 19,467.69	TBD	TBD	100%
14	16	12,369	14	\$ 73,616.15	TBD	N/A	100%

CAMR LEVERAGING – ADDITIONAL FUNDING SOURCES

CAMR Boost

- \$5 million award from the City's Climate Equity Fund specifically for CAMR projects
- Up to \$250,000 per project

TECH Clean California

- \$35 million funding from the Inflation Reduction Act (HEERHA)
- \$80 million funding from the Self-Generation Incentive Program (SGIP) Heat Pump Water Heater (HPWH)

Aliso Canyon Settlement

- \$71 million from the Aliso Canyon Settlement, with \$40 million allocated specifically for strategic and equitable building decarbonization.

LIWP and MAHEP

- LIWP: A California Climate Investments program reducing greenhouse gas emissions and improving public health in disadvantaged communities.
- MAHEP: Provides incentives for low-income multifamily buildings to upgrade to efficient electric alternatives.

CAMR Outreach and Events

Over 40 Events Attended
(since October 2021)

Average participation: 10
events per year

Over 40,000 prospective
applicants reached



COMPLETED CAMR PROJECT



Installed Upgrades	CAMR \$
Heat Pump Water Heater	\$416k
Interior & Exterior LED Lighting	\$38k
Low-Flow Aerators & Showerheads	\$33k

Property Profile	
Location	Gardena
Number of Units	90
Total Square Footage	83,232
Year Property Built	2014
Number of Stories	3

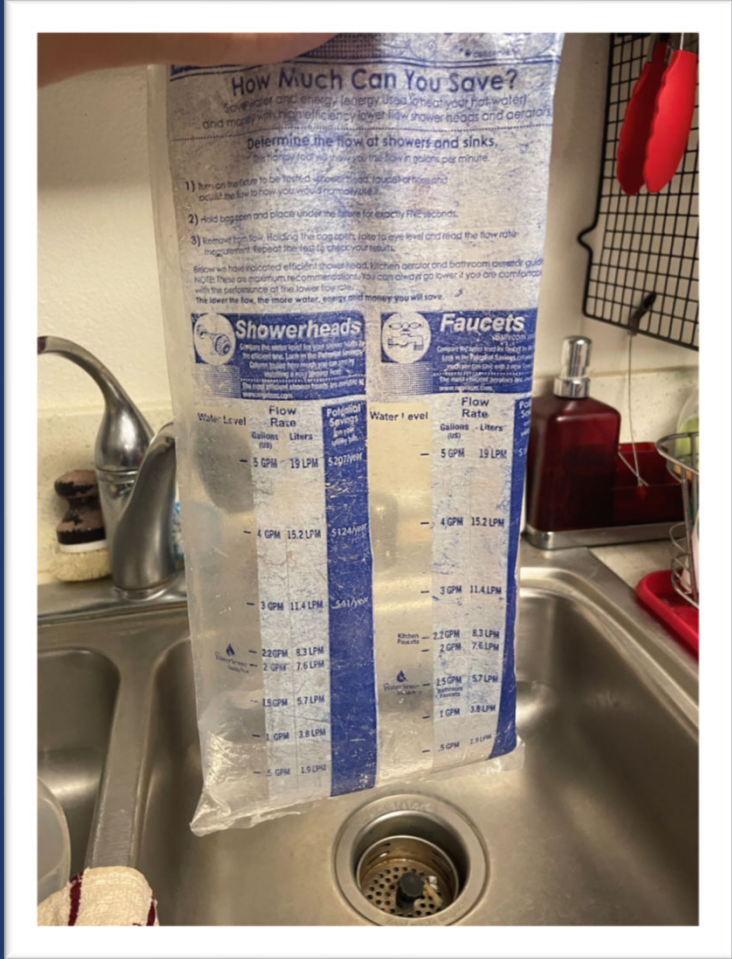
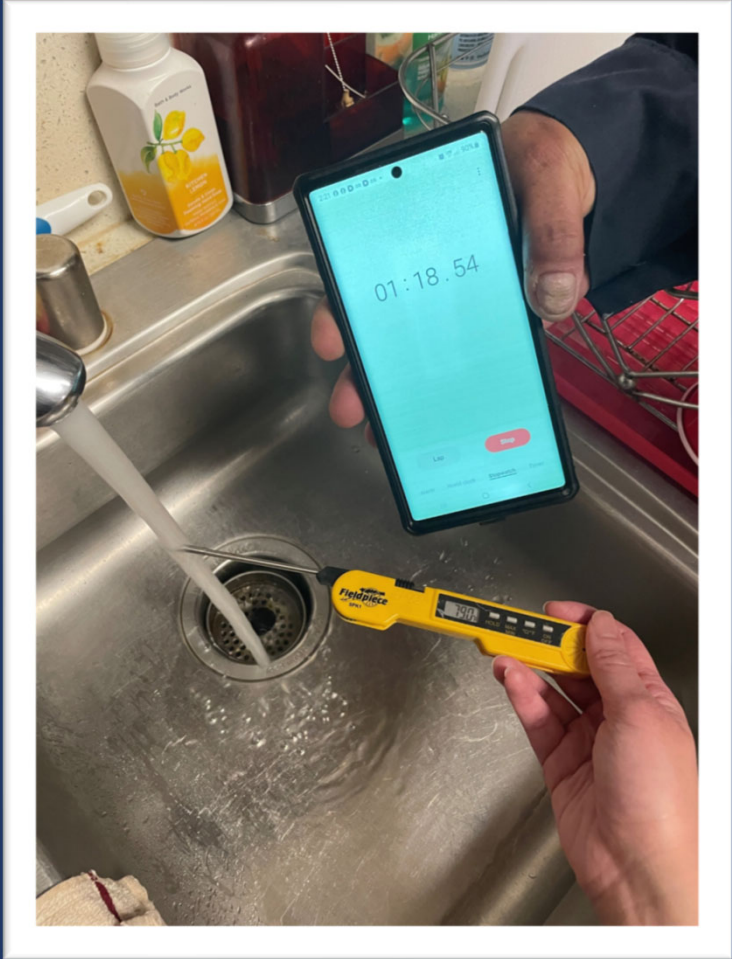
CAMR Incentive Calculation

CAMR Incentive \$540,000	+	Additional Leveraged Funds \$562,000	=	100% Project Cost Coverage*
-----------------------------	---	--	---	--

*CAMR incentives cannot exceed 100% of eligible project costs.







How Much Can You Save?

Save water and energy (energy used to heat your hot water) and money with high efficiency low flow shower heads and aerators.

Determine the flow at showers and sinks.

For a shower, hold the device in the shower for one minute.

- 1) Turn on the water to be tested. Shower head, faucet or hose should be fully open and water should be running.
- 2) Hold device and place under the water for exactly 60 seconds.
- 3) Remove the device. Holding the device's tube to eye level and read the flow rate. Repeat the test to check your results.

Know what you're looking for! Efficient shower heads, kitchen aerators and bathroom pressure regulators are all available. Look for the Energy Star logo on the product packaging. For more information, visit www.epa.gov/energy.

Showerheads			Faucets		
Compare the water used by your shower head to the efficient ones. Look on the package for the Energy Star logo. Shower heads are tested and rated for flow rate (GPM) and pressure (PSI).			Compare the water used by your faucet to the efficient ones. Look on the package for the Energy Star logo. Faucets are tested and rated for flow rate (GPM) and pressure (PSI).		
Water Level	Flow Rate	Potential Savings	Water Level	Flow Rate	Potential Savings
	Gallons per Minute (GPM)	per year		Gallons per Minute (GPM)	per year

5 GPM	19 LPM	5,307 GPM	5 GPM	19 LPM	
4 GPM	15.2 LPM	5,124 GPM	4 GPM	15.2 LPM	
3 GPM	11.4 LPM	4,841 GPM	3 GPM	11.4 LPM	
2.5 GPM	9.5 LPM	4,358 GPM	2.5 GPM	9.5 LPM	
2 GPM	7.6 LPM	3,875 GPM	2 GPM	7.6 LPM	
1.5 GPM	5.7 LPM	3,392 GPM	1.5 GPM	5.7 LPM	
1 GPM	3.8 LPM	2,909 GPM	1 GPM	3.8 LPM	
0.5 GPM	1.9 LPM	1,465 GPM	0.5 GPM	1.9 LPM	



CAMR - VNEM SOLAR PV PROJECT PROFILE



Resource Data & System Information

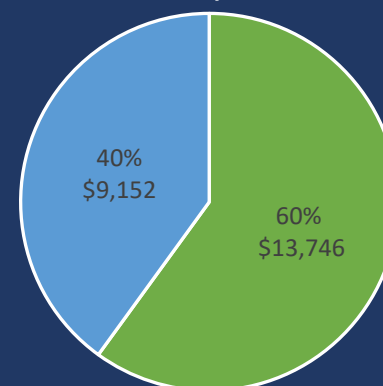
Location	Sylmar
Number of Units	88
PV System Size	93.81 kW
PVWatts Estimated Output	158,000 kWh per Year

Estimated CAMR Solar PV Installation Incentive

CAMR Incentive	\$440,907
Total Project Cost	\$496,100
Project Cost Coverage*	89%

Estimated Annual Payments Allocation

**Total Proceeds
\$22,898**



■ Property Owner ■ Tenant Units

**CAMR incentives cannot exceed 100% of eligible project costs. CAMR incentives reduced if Federal or Low-income credits used.*





Building on Success: CAMR Enhancements Coming Soon



Financing
Support



EV
Charger
Rebates

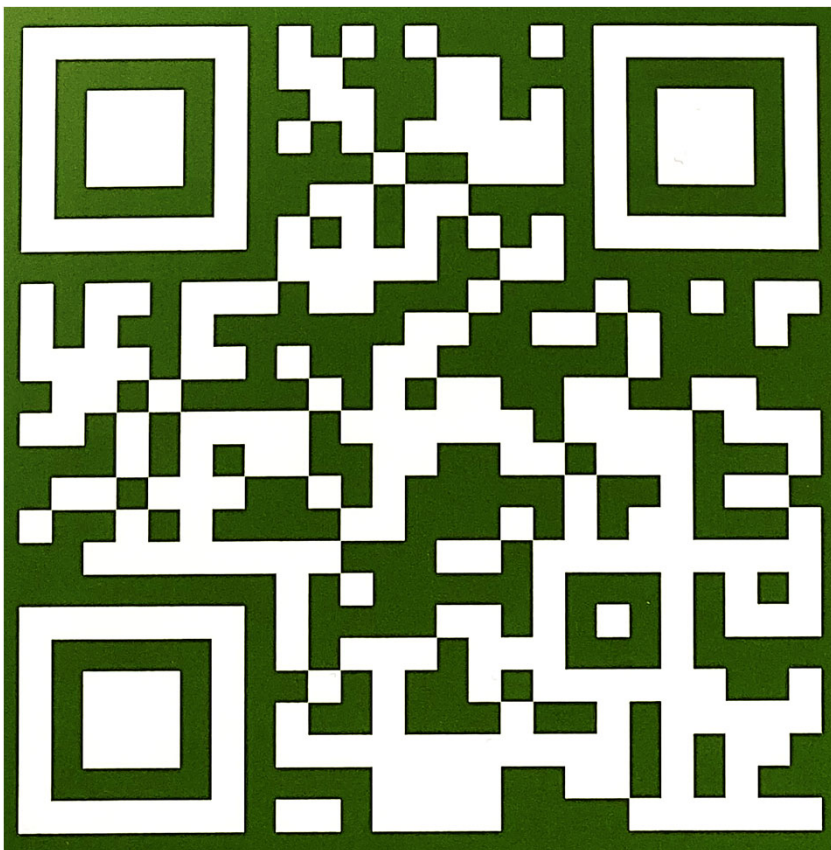


Battery
Storage
Rebates



Free Cooking
Equipment

Questions? Contact us!



Contact Information

ladwpcamr.com

(833) 827 - CAMR (2267)

CAMRinfo@aea.us.org

