Low-Income Solar PV Data Set

The Low-Income Solar PV Data Set is a dataset which incorporates all incentive applications from the Single-family Affordable Solar Homes (SASH) Program, the Multi-family Affordable Solar Housing (MASH) Program, and the Disadvantaged Communities - Single-family Affordable Solar Homes (DAC-SASH) program within PG&E, SCE and SDG&E service territories.
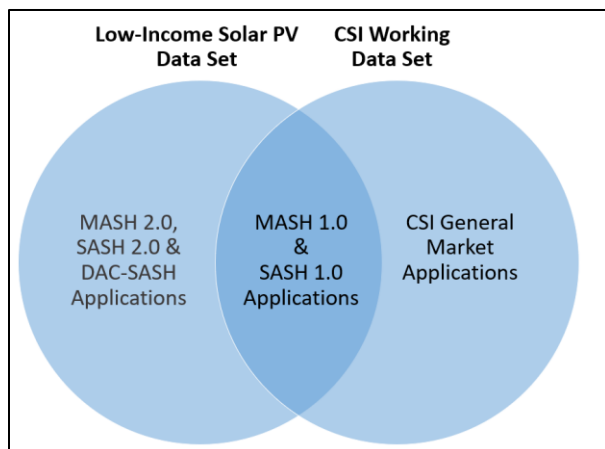
Program Background

In 2006, the Legislature passed Assembly Bill (AB) 2723 requiring the California Public Utilities Commissioners (CPUC) to ensure that not less than 10% of overall CSI funds be used for installing solar PV on low-income properties. The SASH Program (SASH 1.0) was established in 2007 with $108 million in funding to provide incentives for solar PV systems on existing owner-occupied low-income households. The MASH Program (MASH 1.0) was established in 2008 with $108 million in funding to provide incentives for solar PV systems on qualifying, multi-family affordable housing properties.

In 2013, the Legislature passed AB 217, which extended the MASH and SASH Programs and authorized a total of $108 million of additional funding across both programs. The CPUC allocated $54 million in funding for the MASH Program (MASH 2.0) and established a goal of installing an additional 35 megawatts (MW) on multi-family affordable housing by 2021 and also allocated $54 million in funding for the SASH Program (SASH 2.0) and established a goal of installing 15 megawatts (MW) on low income single family homes by 2021. The SASH Program is overseen by the CPUC and administered by GRID Alternatives. The MASH program is overseen by the CPUC and administered by PG&E, SCE and CSE (in SDG&E territory).

In 2019, the CPUC voted to approve the DAC-SASH program handbook, with Resolution E-5020, signaling the official launch of the program. The statewide program provides $8.5 million annually in incentives to help homeowners in disadvantaged communities go solar by reducing the cost of going solar for qualifying households, with a focus on communities most impacted by high energy costs and will run through 2030. To qualify, homeowners must live in one of the top 25 percent most disadvantaged communities statewide using the CalEnviroScreen, and be a billing customer of the state's electric IOUs. Homeowners must also meet income qualifications denoted by annual California Alternate Rates for Energy Program (CARE) and Family Electric Rate Assistance Program (FERA) guidelines. The DAC-SASH is modeled after the SASH program which integrates job training opportunities into every project, creating ladders of opportunity for individuals from all backgrounds to access well-paid jobs in California's solar industry and ensuring lasting community benefit. The program is overseen by the CPUC and administered by GRID Alternatives.

Overlap with CSI Working Data Set

Users of the Low-Income Solar PV Data Set should be aware that MASH 1.0 and SASH 1.0 applications exist both in the CSI Working Data Set and the Low-Income Solar PV Data Set.

Relation to NEM Interconnection Data

In addition to publishing the Low-Income Solar PV Data Set, California DG Stats provides two comprehensive interconnection data sets for public use. The first data set, the "Interconnection Applications Data Set", contains all interconnection *applications* whether they are in queue, complete or decommissioned. The second data set, the "Currently Interconnected Data Set", only includes interconnected solar PV NEM *projects.* This second data set presents the current "state of the world" in terms of how many interconnected solar PV projects and how many MW are installed in a given city or ZIP code, etc. All completed MASH, SASH and DAC-SASH incentive applications have at least one corresponding NEM interconnection application. Currently, the California DG Stats team matches applications in the CSI Working Data Set to NEM interconnection applications. However, with regards to the Low-Income Solar PV Data Set, only MASH 1.0 applications are currently "matched" to NEM applications. This is indicated in the NEM data sets in the "Matched CSI Application Number" field. For more information about the NEM data see [here.](here)

Data Integrity/Excluded Applications

The California DG Stats team has worked to create a high quality Low-Income Solar PV Data Set by performing dozens of data integrity tests on each incentive application. If certain applications fail what the California DG Stats team has deemed to be a "Core" data integrity field, then these applications are "Excluded" from the Low-Income Solar PV Data Set and placed in the "Excluded Applications" data set which is also available for download. The California DG Stats team is continually working with the MASH, SASH and DAC-SASH Program Administrators to enhance data quality and expects the number of excluded applications to significantly decrease over time.

Frequency of Data Publishing

The Low-Income Solar PV Data Set is currently published weekly (Thursday mornings). Previous data sets are archived for download.

Technical Support

Please direct any technical questions to: csisupport@energy-solution.com.