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CALIFORNIA HOMEBUILDING FOUNDATION | **CONSTRUCTION INDUSTRY RESEARCH BOARD**

## California Energy Permit Summary Report

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### CHF|CIRB

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## CHF | CIRB California Energy Permit Summary Proposed Definitions

### New Single-Family Dwellings

- I. **Single-Family Housing Permits** – This definition encompasses detached, semi-detached, rowhouse and townhouse units. Rowhouses and townhouses are included when an unbroken ground-to-roof party or firewall separates each unit from the adjacent unit. Condominiums are included in single-family when they are of zero-lot-line or zero-property-line construction; when units are separated by an air space; or, when an unbroken ground-to-roof party or firewall separates units. New housing permits can be used as a possible baseline to determine the installation of new HVAC/mechanical systems that are otherwise not indicated with a separate permit.

### HVAC (Heating, Ventilating, Air Conditioning)

- I. **HVAC Change-Out Permits/Units/Valuations** – A change-out of an HVAC system (also referred to by CalCERTS's 2013 Updates as an "Altered Space Conditioning System") is defined by whether the change-out involves or affects refrigerant-containing components; including ductwork in an un-conditioned space, a furnace or FAU, or an AC Condenser or Evaporator Coil. A compressor replacement is not considered a repair by the 2013 standards and will not be included in the scope of this report. This report includes calculations of the equipment change-outs based upon the descriptions found in the Title 24, California Code of Regulations.

Each permit indicating one or multiple equipment types will be counted as one permit, located in the *HVAC Change-Out Permits* category. If the permit encompasses more than one HVAC change-out, the calculations will be reflected in the *HVAC Change-Out Units* category.

- II. **Unspecified Mechanical Permits/Valuations** – This category is designated for the unidentified residential or non-residential mechanical work on building permits which simply list the construction as "Mechanical." Mechanical work can include, but is not limited to, construction performed on a structure's cooling, heating or exhaust system(s).

### Solar Installations

- I. **Photovoltaic Permits/Valuations** – Photovoltaic (solar) installations are defined here as systems or arrangements of electrical components which utilize and maintain sunlight as a power source. Solar permits and valuations in this report include installations of photovoltaic modules, or solar panels, on both residential and non-residential structures. Permits describing solar plants or large solar arrays exceeding \$1 million in value are included in the *Public Works* category of our CHF | CIRB Detailed Non-Residential Report. To order a Detailed Non-Residential Report, please contact our research team at [CHF-CIRB@mychf.org](mailto:CHF-CIRB@mychf.org) or 916-340-3340 for more information.

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Time Period: 07/2014

County	New Single-Family Dwelling Units	New Multi-Family Dwelling Units	HVAC Change-Out Permits	HVAC Change-Out Units	HVAC Change-Out Valuations	Unspecified Mechanical Permits	Unspecified Mechanical Valuations	Photovoltaic	Photovoltaic Valuation
Alameda County	53	498	120	137	\$900,216	25	\$138,318	221	\$4,621,360
Alpine County	0	0	0	0	\$0	0	\$0	0	\$0
Amador County	2	0	11	11	\$108,885	0	\$0	5	\$125,094
Butte County	35	163	58	61	\$176,400	0	\$0	168	\$3,057,997
Calaveras County	8	0	4	11	\$62,923	0	\$0	1	\$12,000
Colusa County	1	0	19	19	\$56,840	0	\$0	12	\$337,752
Contra Costa County	118	49	193	203	\$1,500,804	0	\$0	304	\$4,906,157
Del Norte County	0	0	0	0	\$0	0	\$0	0	\$0
El Dorado County	44	0	1	1	\$21,255	153	\$1,254,545	90	\$2,074,370
Fresno County	211	0	78	78	\$63,123	40	\$13,165	475	\$7,457,585
Glenn County	2	0	7	7	\$31,366	0	\$0	10	\$56,915
Humboldt County	22	0	1	1	\$0	35	\$0	0	\$0
Imperial County	30	11	30	30	\$81,296	11	\$0	41	\$281,670
Inyo County	1	0	7	7	\$31,548	1	\$3,900	0	\$0
Kern County	227	56	63	87	\$248,683	148	\$74,000	439	\$7,442,951
Kings County	29	0	15	15	\$3,000	0	\$0	75	\$888,927
Lake County	1	0	2	2	\$10,100	0	\$0	0	\$0
Lassen County	0	0	1	1	\$13,500	0	\$0	0	\$0
Los Angeles County	412	1,043	91	95	\$100,830	47	\$337,050	276	\$4,842,453
Madera County	17	0	31	35	\$307,137	0	\$0	50	\$1,687,109
Marin County	9	0	44	51	\$295,965	2	\$15,800	54	\$1,162,300
Mariposa County	1	0	3	3	\$0	0	\$0	5	\$0
Mendocino County	9	0	4	4	\$0	0	\$0	4	\$1,236
Merced County	9	4	35	35	\$227,931	0	\$0	94	\$2,736,262
Modoc County	0	0	0	0	\$0	0	\$0	0	\$0
Mono County	2	0	1	1	\$5,000	0	\$0	3	\$15,000
Monterey County	13	36	5	5	\$9,810	6	\$0	95	\$772,298
Napa County	2	0	28	43	\$279,470	10	\$165,661	34	\$1,005,783
Nevada County	20	0	10	10	\$164,940	0	\$0	8	\$0
Orange County	363	158	224	237	\$866,792	250	\$1,040,610	483	\$7,895,914
Placer County	107	1	114	114	\$568,265	106	\$1,072,065	238	\$2,573,858
Plumas County	3	0	2	2	\$0	0	\$0	0	\$0
Riverside County	401	63	288	292	\$2,186,646	28	\$117,645	520	\$13,920,573
Sacramento County	151	0	145	145	\$1,826,890	3	\$41,350	77	\$1,895,874
San Benito County	2	0	1	1	\$12,801	0	\$0	47	\$867,788
San Bernardino County	216	6	171	177	\$137,901	10	\$107,840	310	\$1,729,900
San Diego County	183	475	125	129	\$188,350	80	\$1,200	683	\$6,805,709
San Francisco County	5	326	0	0	\$0	0	\$0	0	\$0
San Joaquin County	110	0	179	181	\$1,287,464	5	\$16,147	400	\$6,183,422
San Luis Obispo County	57	36	9	12	\$57,604	0	\$0	116	\$2,045,829
San Mateo County	28	2	23	28	\$1,010,128	4	\$28,216	131	\$2,644,672
Santa Barbara County	29	0	1	1	\$18,700	40	\$150,750	4	\$136,465
Santa Clara County	115	462	41	101	\$1,375,710	15	\$760,114	174	\$2,304,744
Santa Cruz County	20	0	12	12	\$25,200	3	\$0	82	\$846,537
Shasta County	26	0	117	120	\$162,872	0	\$0	10	\$52,977
Sierra County	2	0	0	0	\$0	0	\$0	0	\$0
Siskiyou County	2	0	0	0	\$0	0	\$0	0	\$0
Solano County	37	0	21	21	\$175,678	7	\$57,695	59	\$949,563
Sonoma County	10	0	73	73	\$282,779	0	\$0	104	\$967,851
Stanislaus County	37	0	123	131	\$898,332	0	\$0	112	\$1,894,523
Sutter County	5	0	54	54	\$348,534	0	\$0	60	\$1,643,336
Tehama County	10	0	27	27	\$84,827	0	\$0	20	\$454,452
Trinity County	6	0	5	5	\$25,370	0	\$0	1	\$63,000
Tulare County	102	2	107	110	\$230,151	0	\$0	188	\$3,780,385
Tuolumne County	9	0	6	6	\$53,524	0	\$0	9	\$102,406
Ventura County	21	194	16	16	\$10,300	0	\$0	126	\$224,695
Yolo County	23	0	43	43	\$294,869	72	\$330,412	75	\$1,519,407
Yuba County	8	0	14	14	\$100,661	0	\$0	28	\$676,780
<b>State Totals</b>	<b>3,366</b>	<b>3,585</b>	<b>2,803</b>	<b>3,005</b>	<b>\$16,931,370</b>	<b>1,101</b>	<b>\$5,726,483</b>	<b>6,521</b>	<b>\$105,665,879</b>