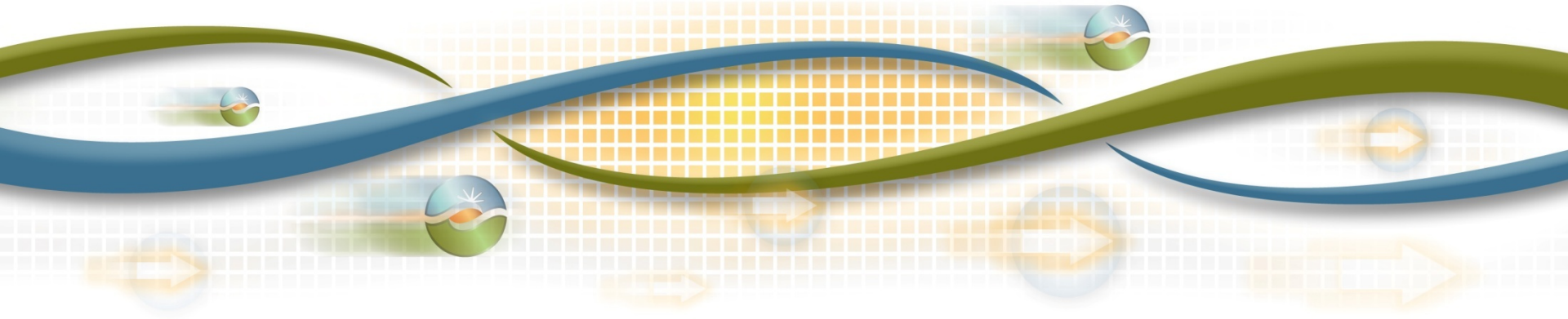




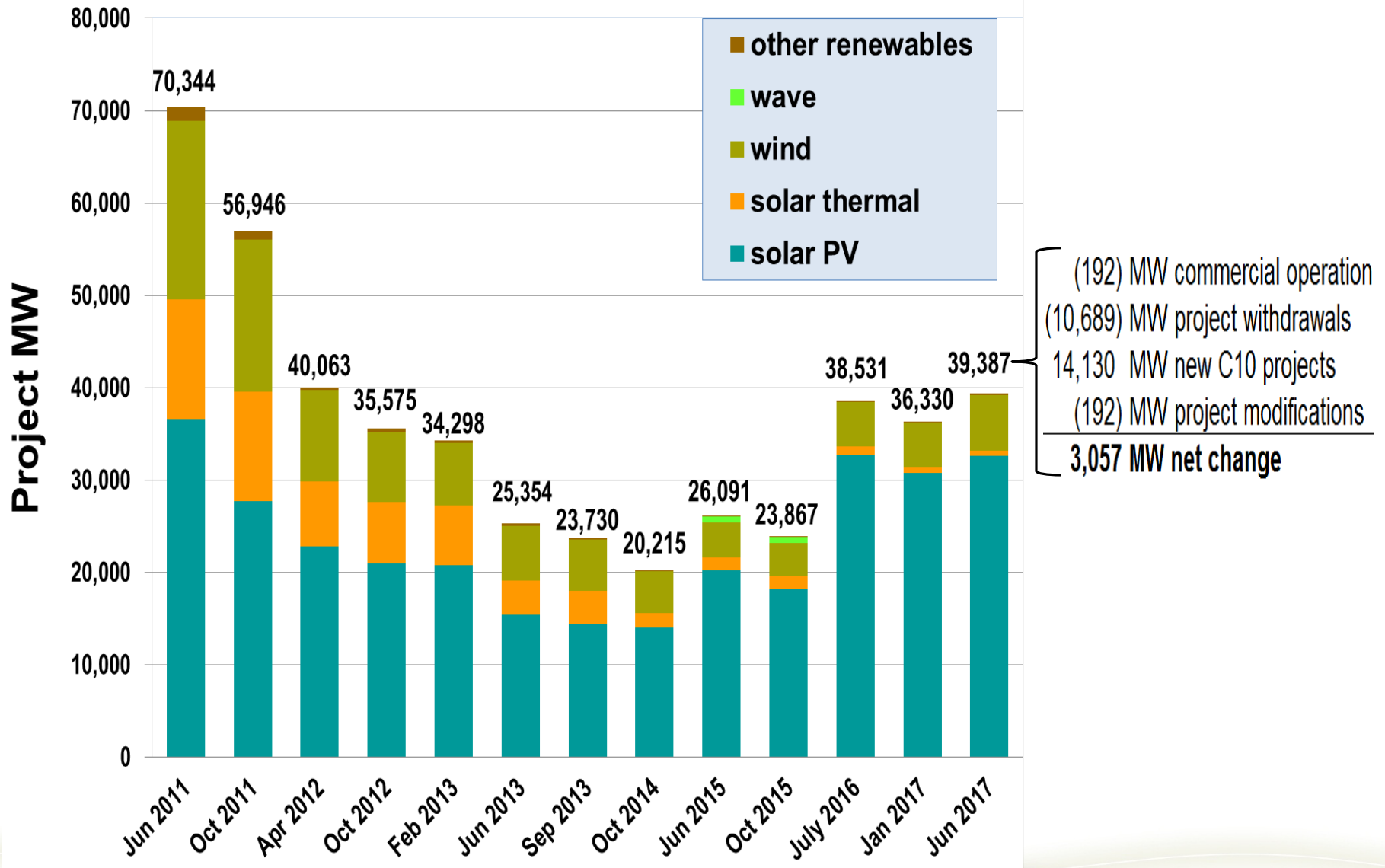
# Briefing on renewable generation in the ISO generator interconnection queue

Bob Emmert  
Manager, Interconnection Resources

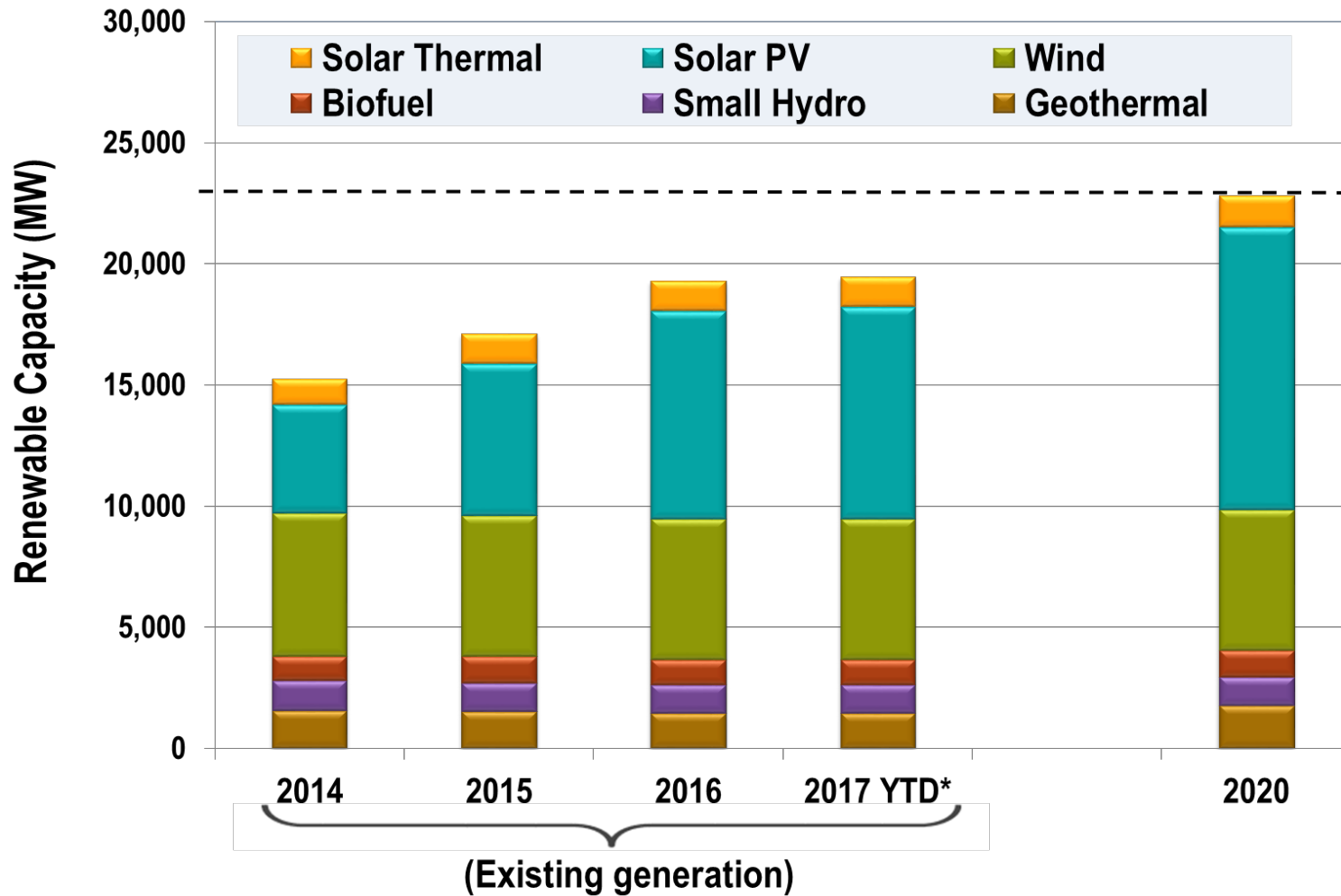
Board of Governors Meeting  
General Session  
July 26, 2017



# Change in renewable capacity in the ISO queue

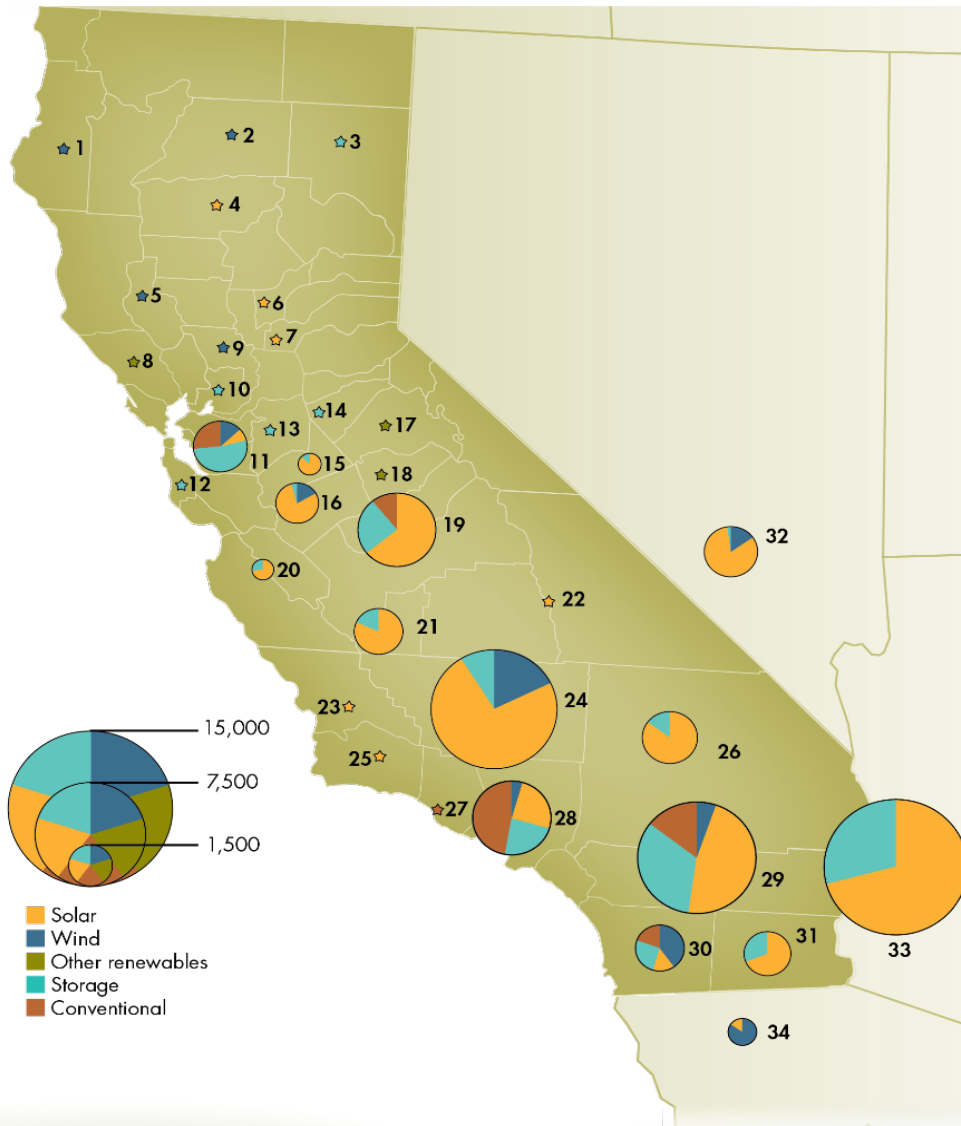


# Current and projected renewable generation capacity in operation within the ISO



\*All online resources that are not in test mode are included in the 2017 YTD amounts, including those yet to achieve full commercial operation.

# ISO Queue Map – Conventional & Renewables



**Interconnection queue by county**

County	# of Projects	Megawatts			Total
		Renewables	Storage	Conventional	
1 Humboldt	2	106	28		134
2 Shasta	1	200			200
3 Lassen	2	21	27		48
4 Tehama	3	386			386
5 Lake	3	145	39		184
6 Yuba	1	20			20
7 Placer	1	20			20
8 Sonoma	1	35			35
9 Yolo	3	266			266
10 Solano	1		314		314
11 Alameda, Contra Costa, Santa Clara	20	582	1,422	723	2,727
12 San Mateo	1		21		21
13 San Joaquin	5	51	235		286
14 Calaveras	1		100		100
15 Stanislaus	6	668	100		768
16 Merced	13	1,478	68		1,546
17 Tuolumne	2	11	10		21
18 Mariposa	1	112			112
19 Fresno, Madera	43	2,988	1,176	492	4,656
20 San Benito, Monterey	3	520	193		713
21 Kings	13	2,082	465		2,547
22 Tulare, Inyo	4	406	110		516
23 San Luis Obispo	1	40			40
24 Kern	57	8,019	766		8,785
25 Santa Barbara	1	31			31
26 San Bernardino	21	2,927	392		3,319
27 Ventura	2		26	300	326
28 Los Angeles, Orange	14	1,388	1,082	2,209	4,679
29 Riverside	29	4,431	2,833	1,208	8,472
30 San Diego	26	1,333	636	475	2,444
31 Imperial	8	1,175	525		1,700
<b>In-state Totals</b>	<b>289</b>	<b>29,441</b>	<b>10,568</b>	<b>5,407</b>	<b>45,416</b>
32 Nevada	11	1,965	44		2,009
33 Arizona	21	6,660	2,713		9,373
34 Mexico	4	1,321			1,321
<b>Out-of-state Totals</b>	<b>36</b>	<b>9,946</b>	<b>2,757</b>		<b>12,703</b>
<b>TOTAL ALL PROJECTS</b>	<b>325</b>	<b>39,387</b>	<b>13,325</b>	<b>5,407</b>	<b>58,119</b>