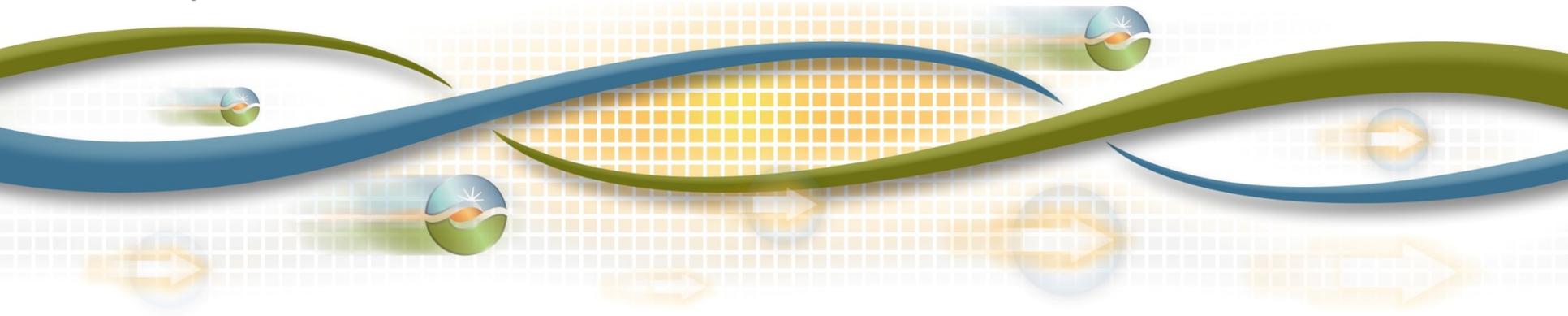


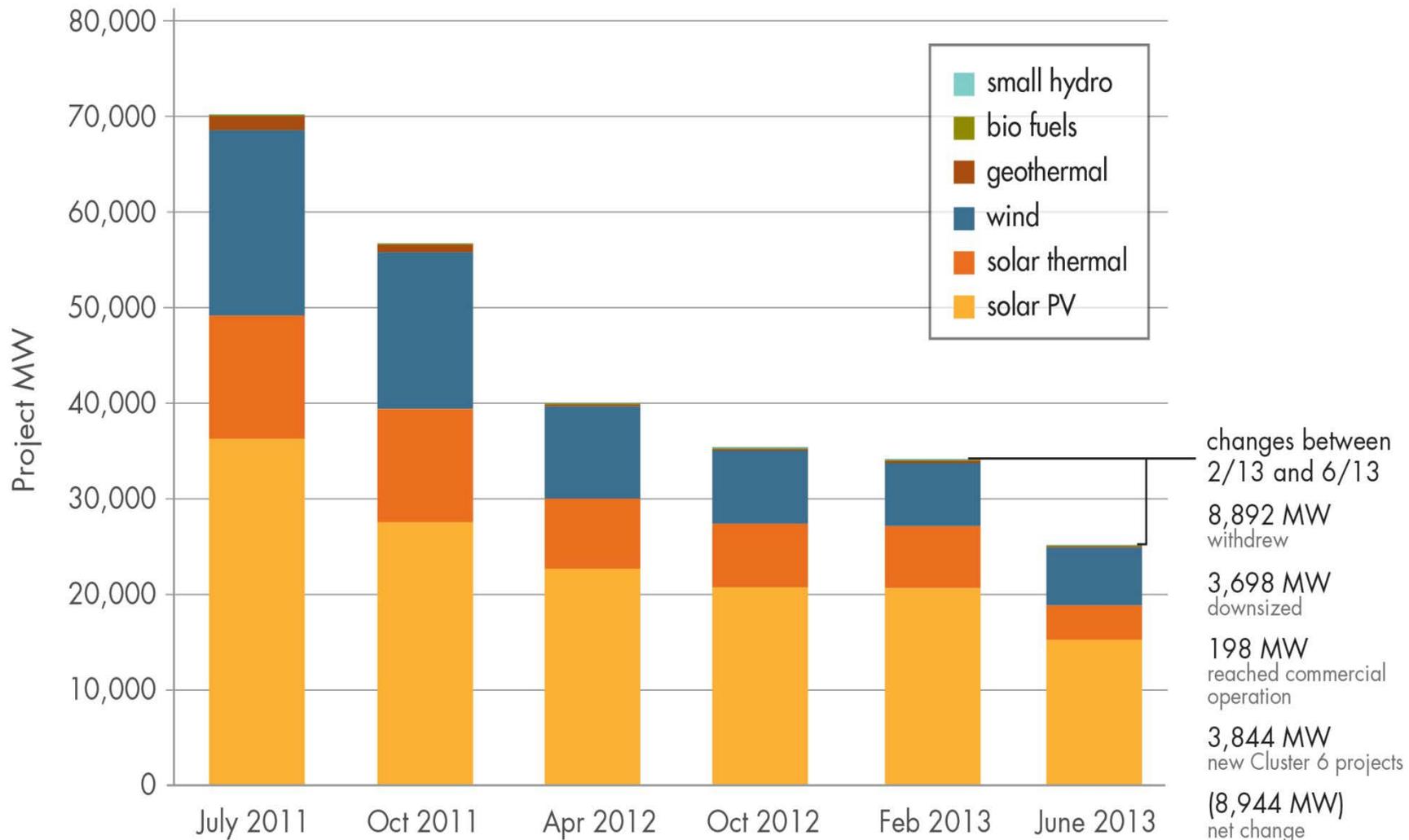
Briefing on renewable generation in the ISO generator interconnection queue, and downsizing process status

Bob Emmert
Manager, Interconnection Resources

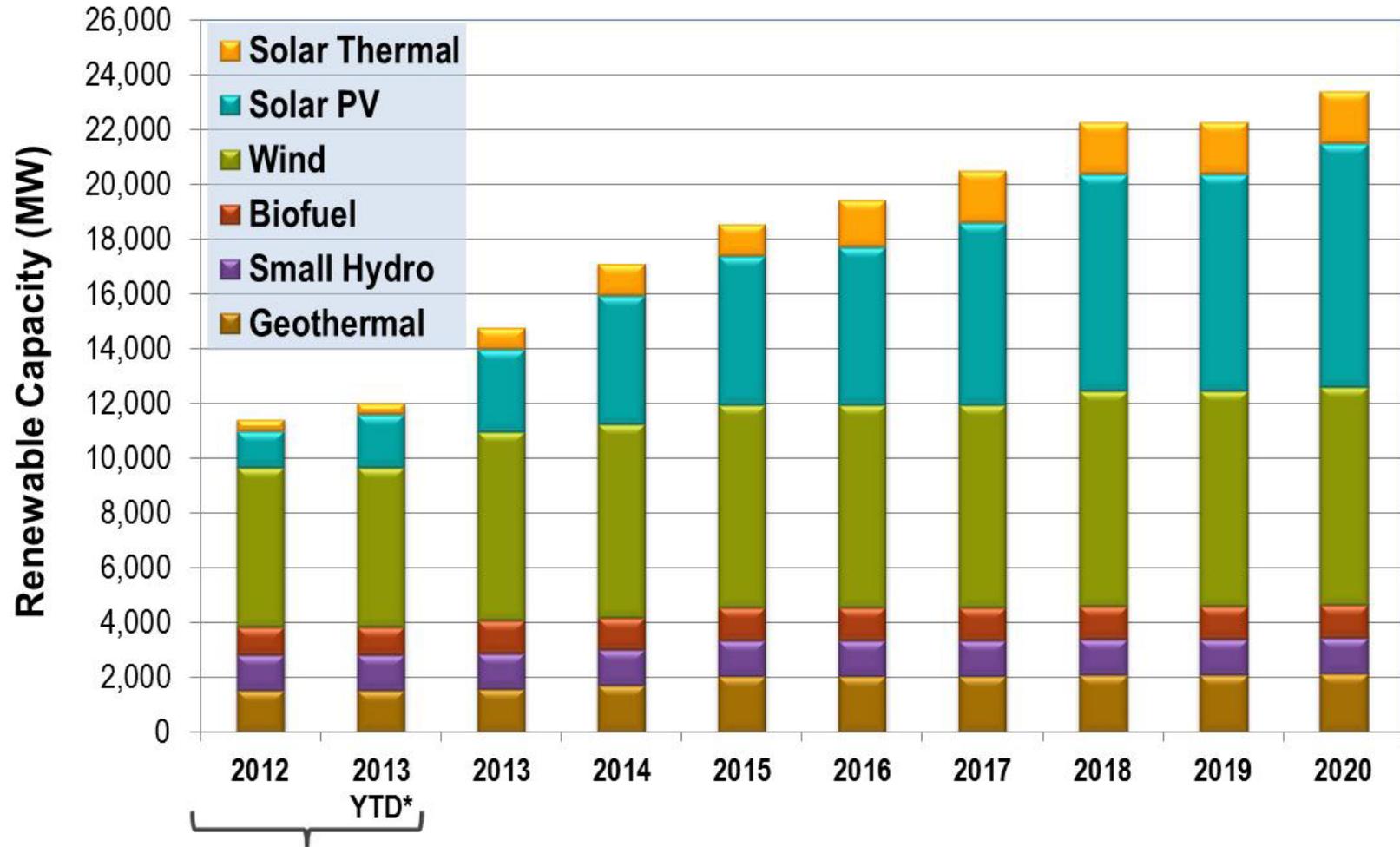
Board of Governors Meeting
General Session
July 11-12, 2013



Change in renewable capacity in the ISO queue (since July 2011 and by technology type)



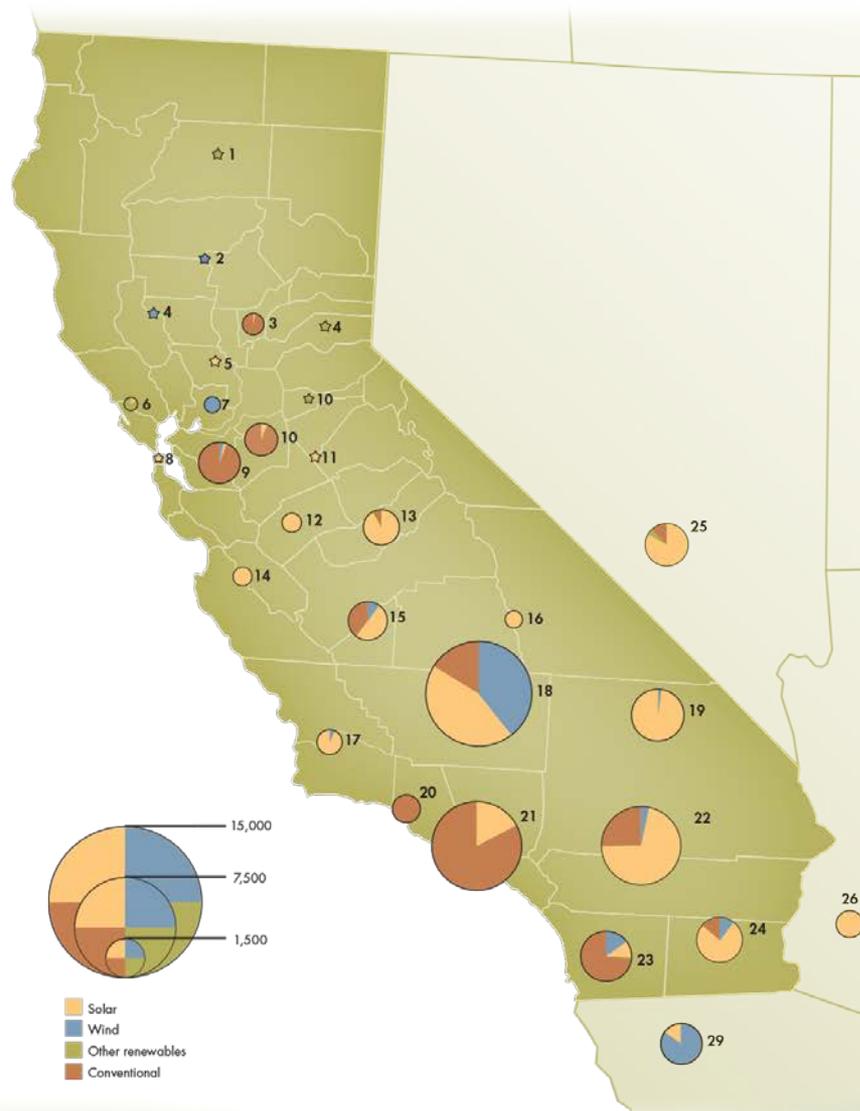
Current and projected renewable generation capacity in operation within the ISO



(Existing generation)

*All online resources are included in the 2013 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	Conventional	
1 Shasta	1	27		27
2 Butte, Glenn, Tehama	3	66		66
3 Sutter, Yuba	2	20	600	620
4 Placer	1	16		16
5 Yolo	1	12		12
6 Marin, Sonoma	4	108		108
7 Solano	2	205		205
8 San Francisco	1	20		20
9 Alameda, Contra Costa, Santa Clara	11	93	1,474	1,567
10 San Joaquin	6	40	619	659
11 Stanislaus, Tuolumne	3	57	0	57
12 Merced	4	430		430
13 Fresno, Madera	40	1,265	75	1,340
14 Monterey, San Benito	2	520		520
15 Kings	21	915	600	1,515
16 Tulare, Inyo	3	160		160
17 San Luis Obispo, Santa Barbara	7	916		916
18 Kern	62	7,351	1,389	8,740
19 San Bernardino	16	2,809		2,809
20 Ventura	2		978	978
21 Los Angeles, Orange	33	1,122	5,291	6,413
22 Riverside	16	3,181	1,070	4,251
23 San Diego	30	736	2,014	2,750
24 Imperial	14	2,185	344	2,529
In-state Totals	285	22,254	14,454	36,708
25 Nevada	11	1,159	160	1,319
26 Arizona, New Mexico	3	620		620
27 Mexico	4	1,321		1,321
Out-of-state Totals	18	3,100	160	3,260
TOTAL ALL PROJECTS	303	25,354	14,614	39,968

as of June 17, 2013

One-time downsizing process update

Study process

- Downsizing studies have been completed
- 12 projects remain in the downsizing process (3,698 MW)
- 9 additional projects were impacted
- Reports out to all 21 projects - July 8

Generation Interconnection Agreement process

- GIAs for the 21 projects will need to be revised

Potential future downsizing opportunities

- A stakeholder initiative is currently underway to develop a proposal
- Targeting December meeting for presenting the proposal to Board