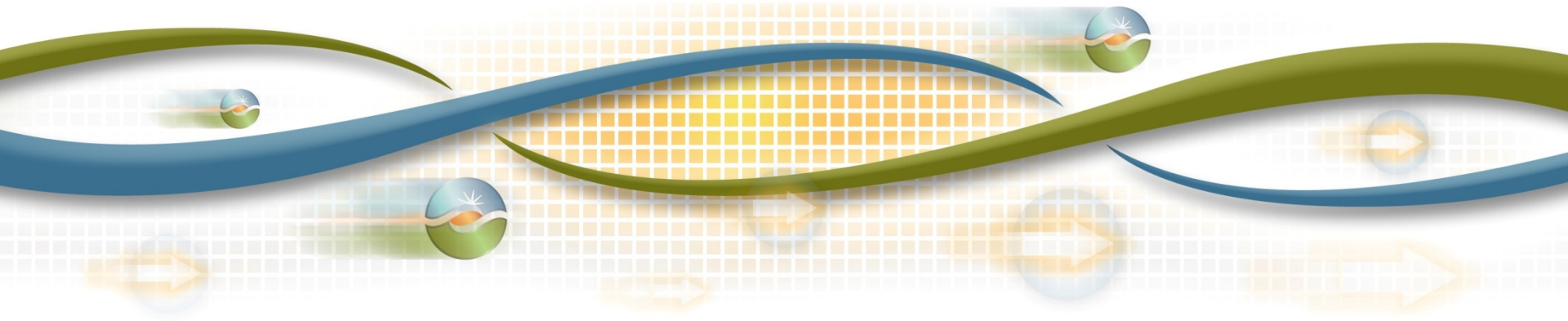


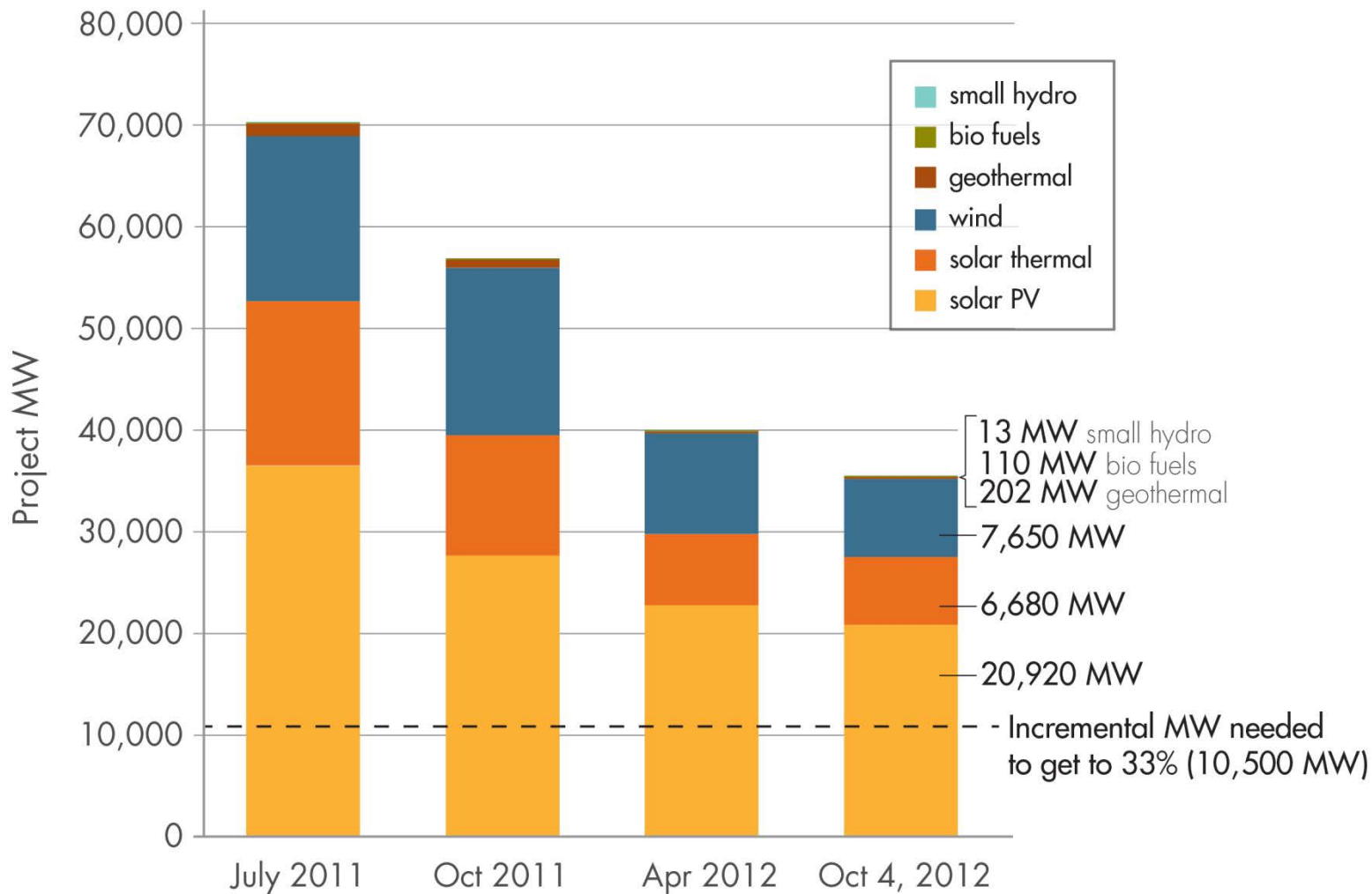
Briefing on Renewables in the ISO Generator Interconnection Queue

Bob Emmert
Manager, Interconnection Resources

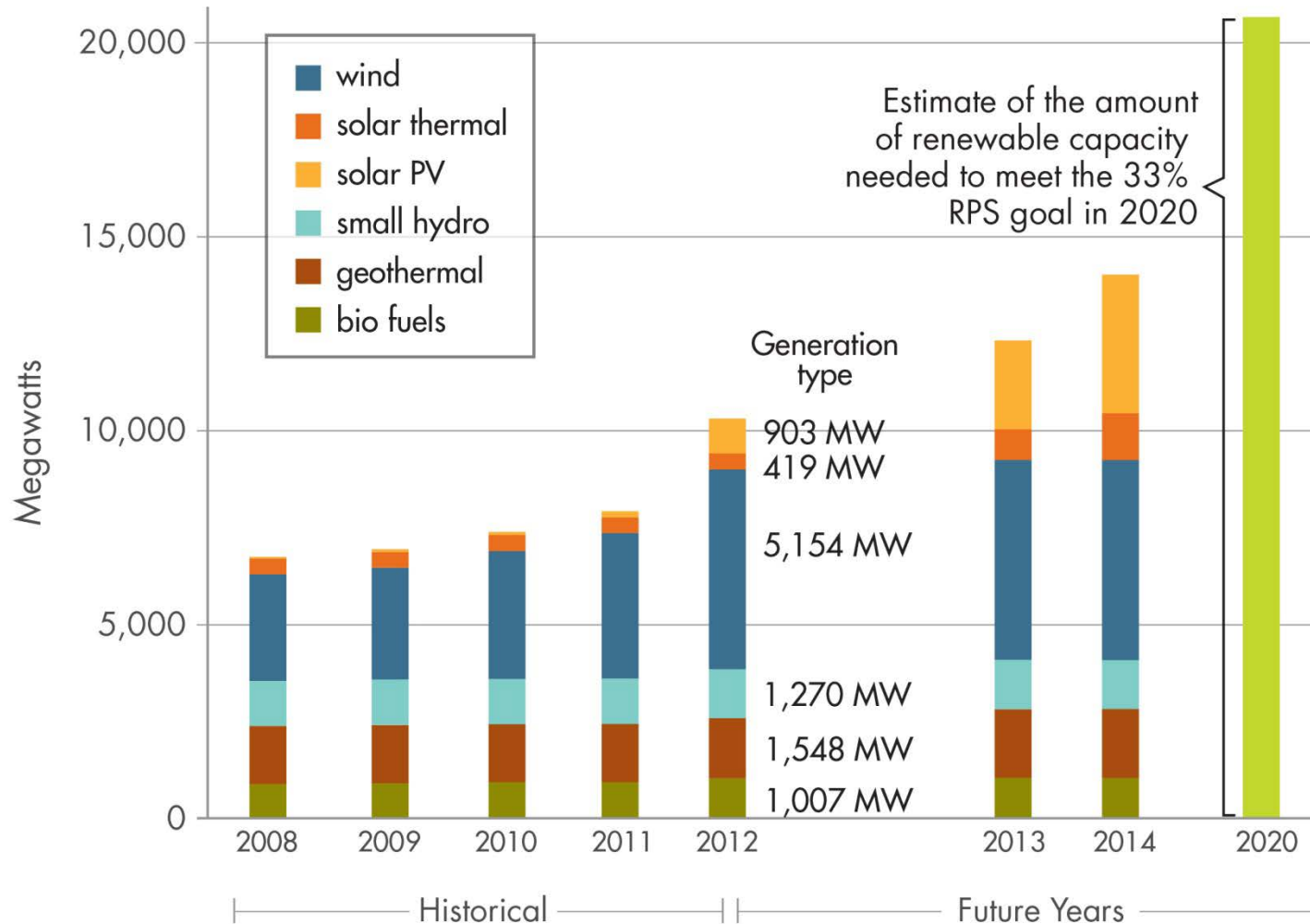
Board of Governors Meeting
General Session
November 1, 2012



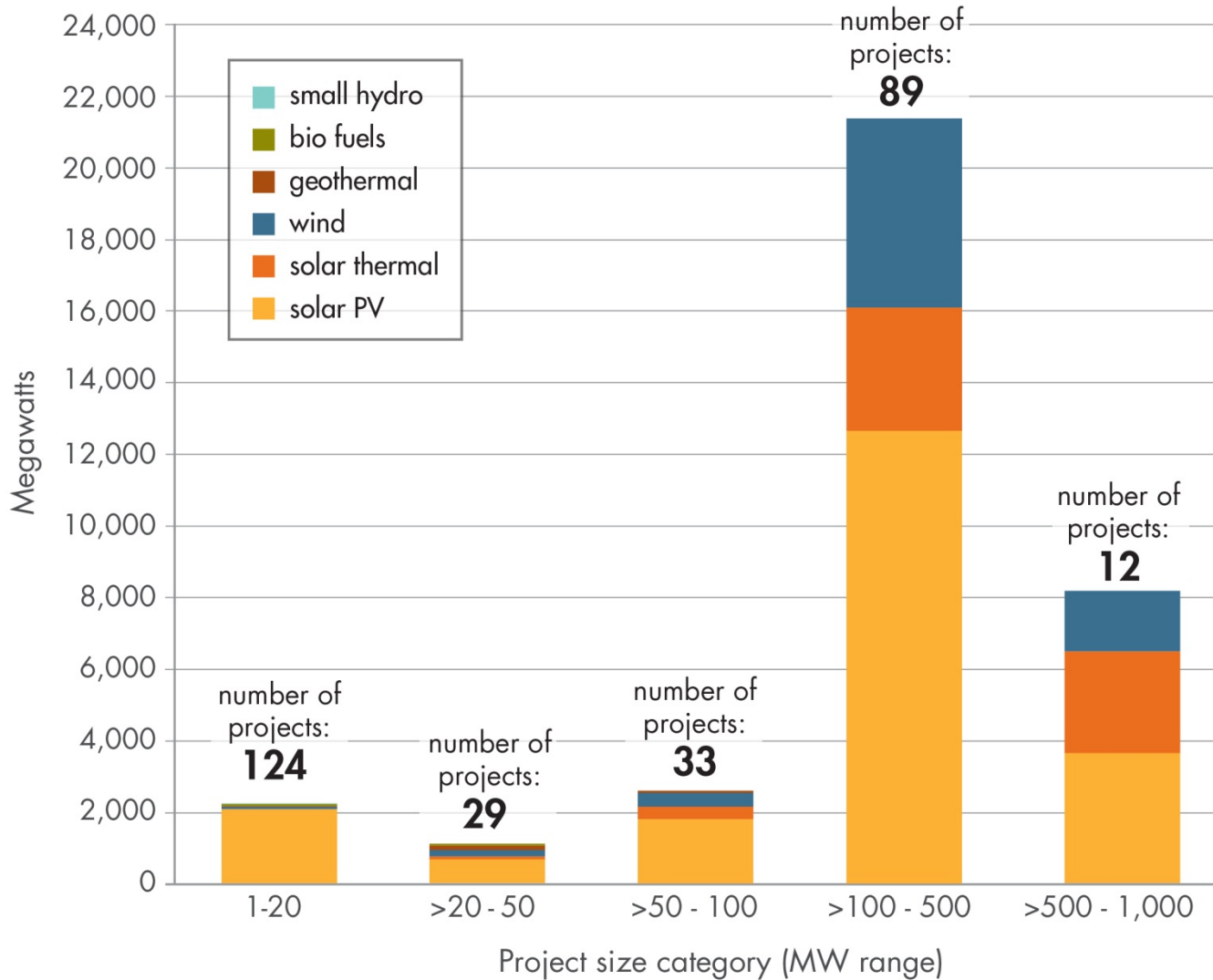
Change in renewable capacity in the ISO queue (since July 2011 and by technology type)



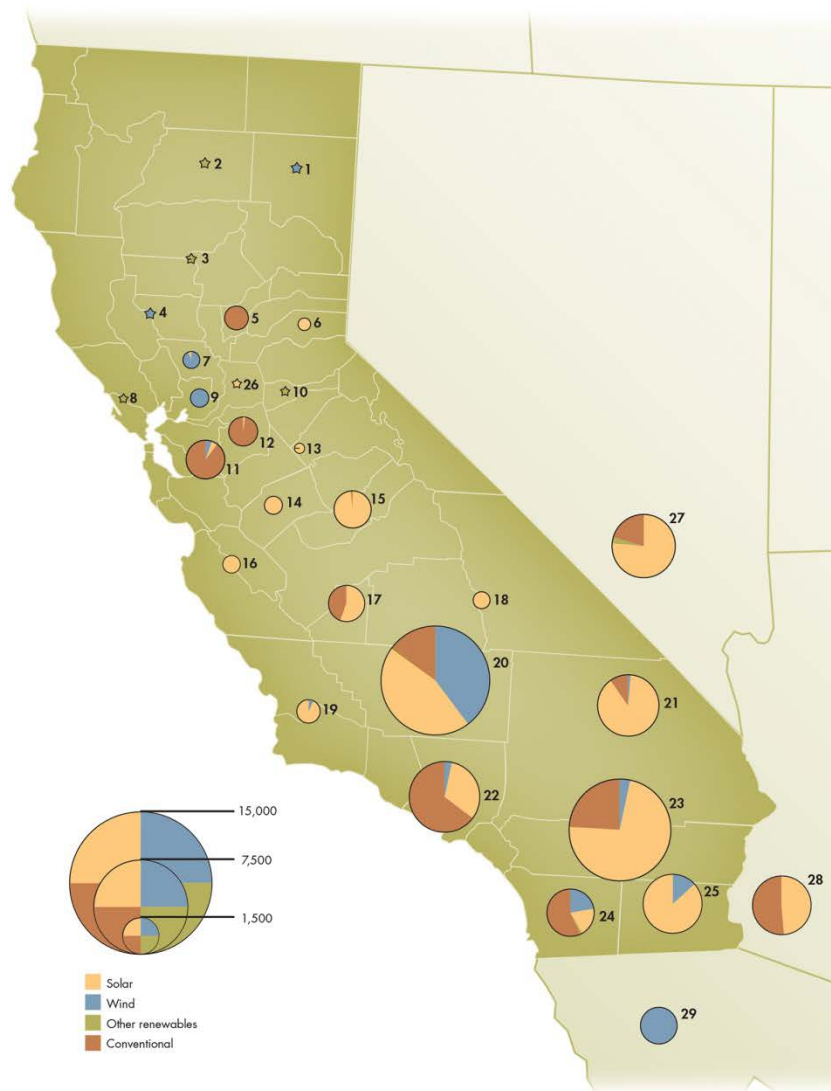
Current and projected renewable generation capacity in operation within the ISO



Renewable projects in the ISO queue by size and type



ISO queue map



Interconnection queue by county

| County | # of Projects | Megawatts | | |
|--|---------------|---------------|---------------|---------------|
| | | Renewables | Conventional | Total |
| 1 Lassen | 2 | 71 | | 71 |
| 2 Shasta | 1 | 27 | | 27 |
| 3 Butte, Glenn, Tehama | 3 | 10 | | 10 |
| 4 Lake, Colusa | 1 | 66 | | 66 |
| 5 Sutter, Yuba | 2 | | 910 | 910 |
| 6 Placer | 1 | 220 | | 220 |
| 7 Yolo | 3 | 533 | | 533 |
| 8 Marin, Sonoma | 3 | 92 | | 92 |
| 9 Solano | 4 | 658 | | 658 |
| 10 Amador | 1 | 18 | | 18 |
| 11 Alameda, Contra Costa, Santa Clara | 13 | 193 | 1,698 | 1,891 |
| 12 San Joaquin | 7 | 25 | 1,020 | 1,045 |
| 13 Stanislaus, Tuolumne | 4 | 127 | 0 | 127 |
| 14 Merced | 4 | 442 | 49 | 491 |
| 15 Fresno, Madera | 41 | 1,628 | 15 | 1,643 |
| 16 Monterey, San Benito | 2 | 580 | | 580 |
| 17 Kings | 25 | 826 | 674 | 1,500 |
| 18 Tulare, Inyo | 8 | 210 | | 210 |
| 19 San Luis Obispo, Santa Barbara | 6 | 896 | | 896 |
| 20 Kern | 63 | 8,172 | 1,447 | 9,619 |
| 21 San Bernardino | 18 | 3,649 | 402 | 4,051 |
| 22 Los Angeles, Orange | 37 | 1,998 | 3,576 | 5,574 |
| 23 Riverside | 25 | 6,157 | 1,920 | 8,077 |
| 24 San Diego | 21 | 812 | 1,028 | 1,840 |
| 25 Imperial | 14 | 2,330 | | 2,330 |
| 26 Sacramento | 1 | 20 | | 20 |
| In-state Totals | 310 | 29,760 | 12,739 | 42,499 |
| 27 Nevada | 23 | 3,505 | 950 | 4,455 |
| 28 Arizona, New Mexico | 4 | 1,190 | 1,250 | 2,440 |
| 29 Mexico | 3 | 1,120 | | 1,120 |
| Out-of-state Totals | 30 | 5,815 | 2,200 | 8,015 |
| TOTAL ALL PROJECTS | 340 | 35,575 | 14,939 | 50,514 |

as of October 4, 2012