Submitted by Roy Kamitsuki at 6/12/2012 Board Meeting Item 4

Carmel Valley Basin
End of Year Usable Storage
In Acre Feet

Water Year	Carmel River	Carmel Valley Aquifers	Cal Am Production	Unpermitted Diversions	End of Year Usable Storage
2011	0	7,441	7,441	4,065	27,710 *

* Includes reservoirs

Note: Discharge Rate of the Carmel River at Highway 1 was 17 cubic feet per second on 30 November 2011. This would generate one (1) acre foot (app. 325,869) gallons in 4.27 minutes. The gage height was 3.97 feet. Assuming an overall river width of 100 feet, a linear mile (5280 feet) would store 6.43 acre feet of water. To cure the unpermitted diversion of 4065 acre feet of water per year we need 11.15 acre feet in the river per day.

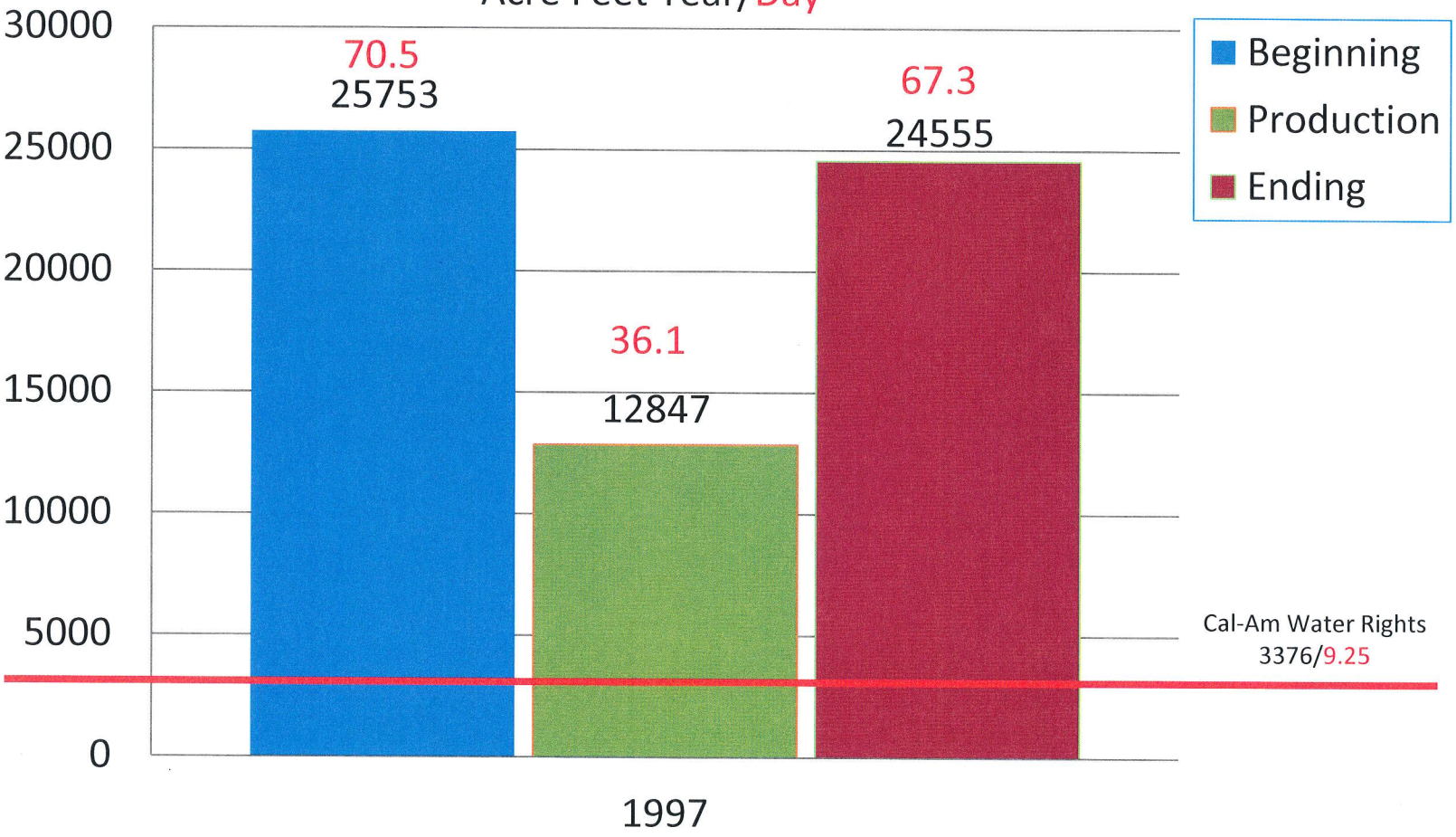
SOURCES: Monterey Peninsula Water District
United States Geodetic Survey

Cal-Am Customer Count:
37,696

Submitted by
Roy Kamenski at
6/21/12 Board Meeting.
Item 4

Cal-Am Production/Usable Storage
Carmel Valley System
Water Year 1997

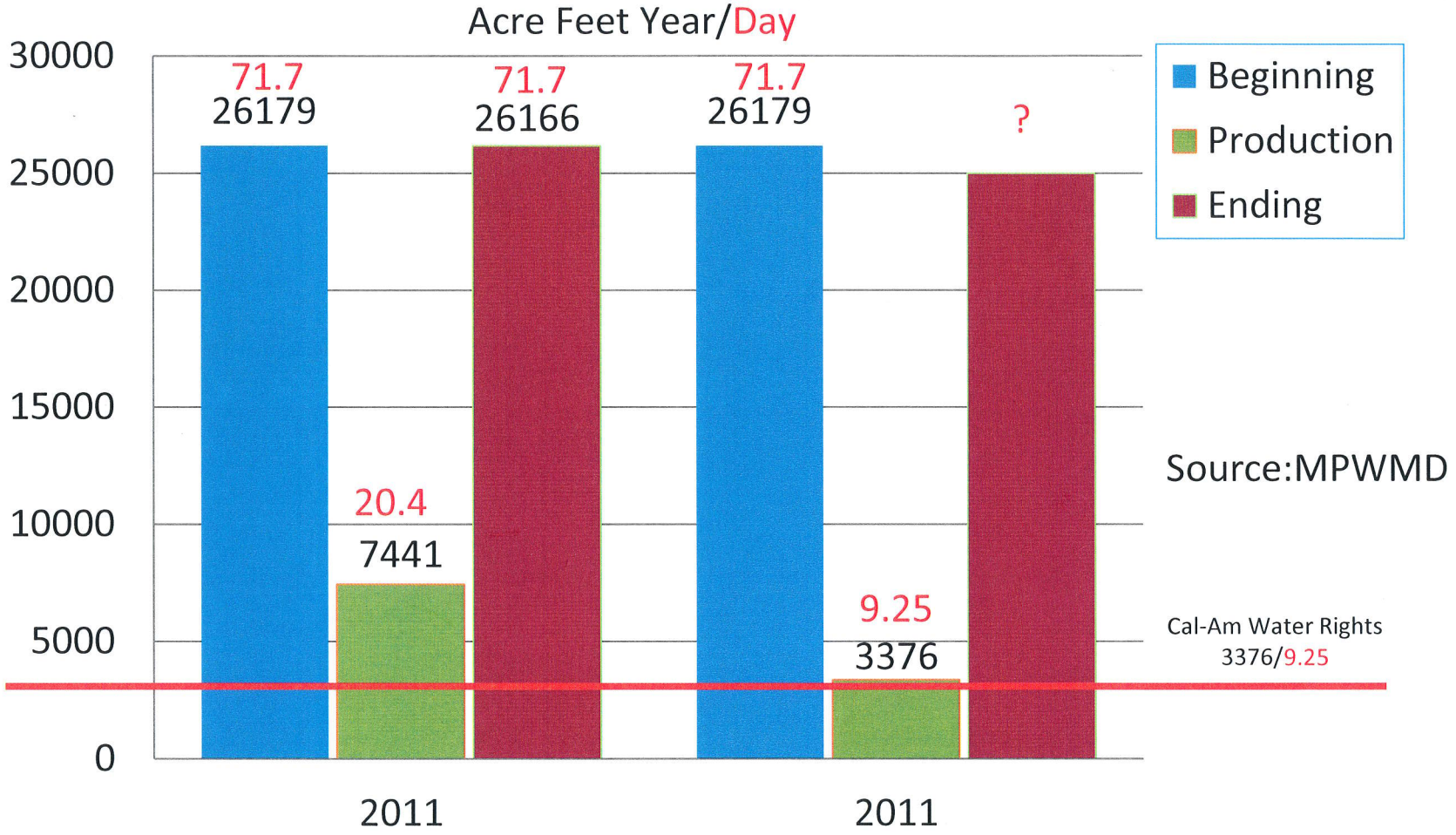
Acre Feet Year/Day



Water Source	
Carmel Valley Aquifer	9688/26.5
Carmel River	3159/9.6
Unpermitted	9471/25.9

Source:MPWMD

Cal-Am Production/Usable Storage
Carmel Valley System
Water Year 2011



Water Source		
Carmel Valley Aquifer	7411/20.4	3376/9.25
Carmel River	0	0
Unpermitted	4065/11.15	0

$\frac{*325,829}{70}$ =4655 x 9.25 = 43,059

* App gallons/ acre foot