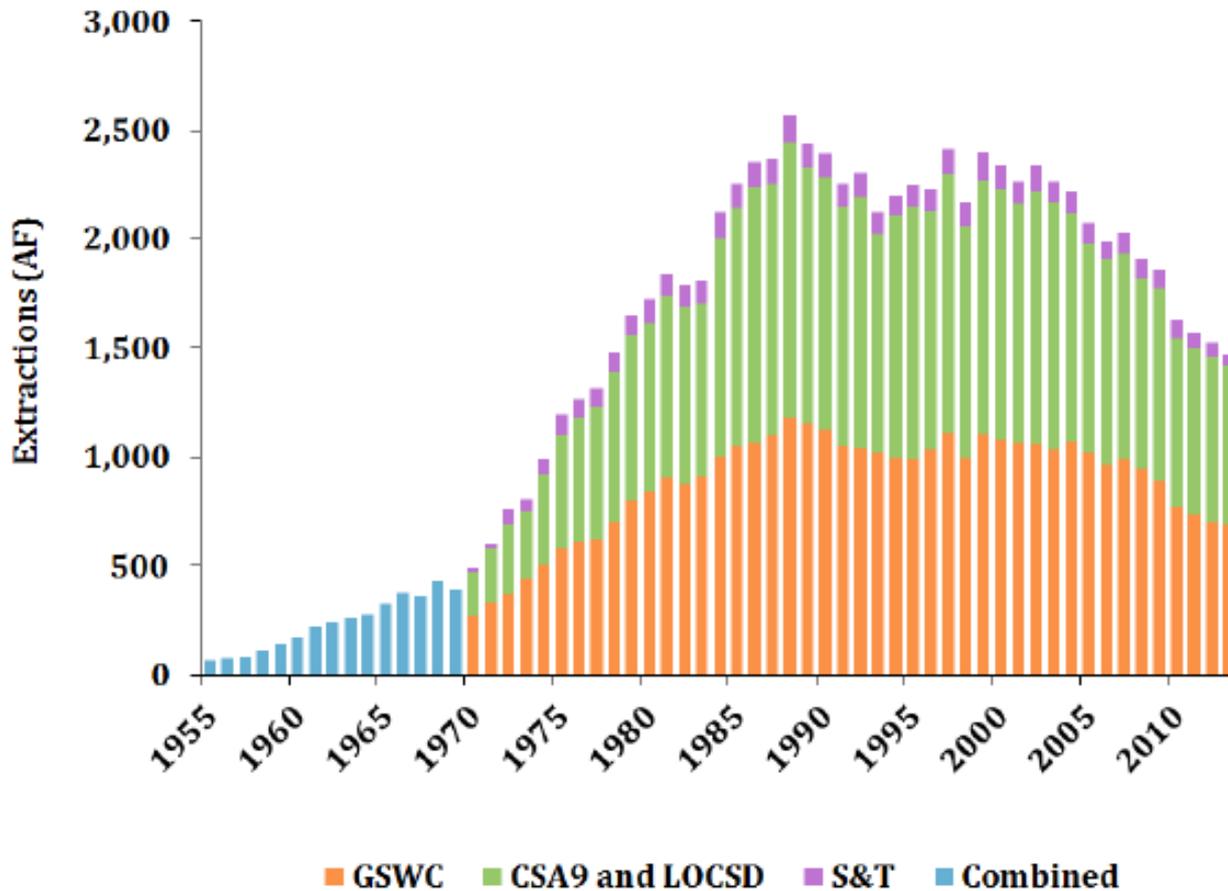


Los Osos Basin Management Committee Draft Conservation Measures

Historical Groundwater Production by Purveyors (1955-2013)

Figure 11. Historical Groundwater Production by Purveyors (1955-2013)



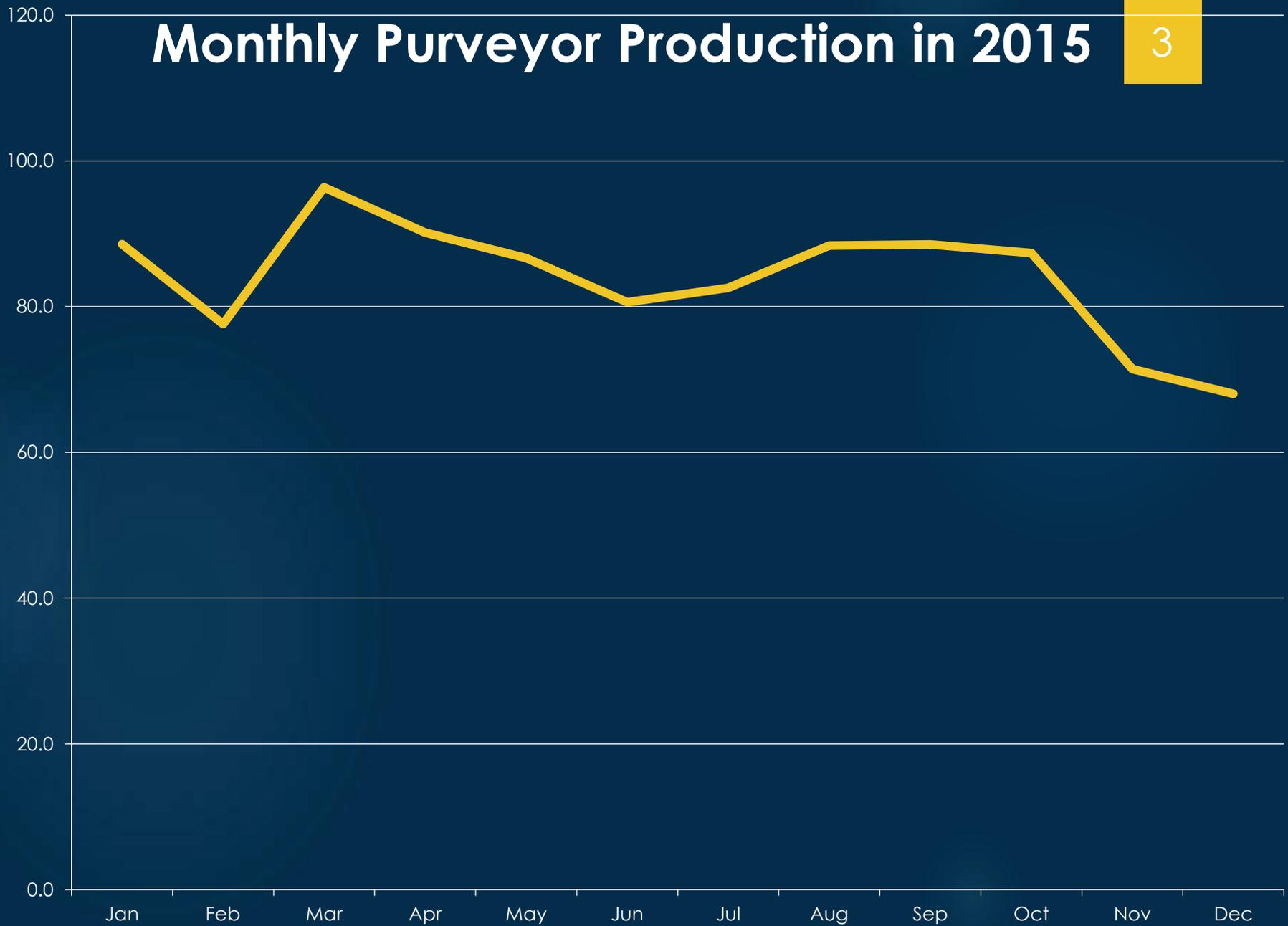
2013 = 1470 AF
2014 = 1246 AF
2015 = 1,010 AF

Excluding commercial, 55 to 60 gpcd in 2015

Monthly Purveyor Production in 2015

3

Monthly Production in acre feet



Existing Programs

- Wastewater project indoor fixture retrofit program:
- <http://conserveosos.org/program-info/>
- GSWC rebates for toilets (\$125), washers (\$125), smart controllers (\$100), and sprinkler nozzles (\$4/nozzle):
- http://www.gswater.com/los-osos/download/conservation_rebates/Los%20Osos%20Conservation%20Rebates.pdf
- Statewide turf rebate program:
- www.saveourwaterrebates.com

Existing Programs

- Fixture replacement statistics for wastewater project program:
 - Toilets: 3,239
 - Showerheads: 2,358
 - Aerators: 3,209
 - Washing machines: 100
- County Planning estimates 28 acre-ft/year of development offset conservation under Title 19

Goals for April BMC Meeting

6

- Review draft conservation measures
- Work with County and purveyors to confirm immediate and longer term funding source
- Initiate public information immediately

PR-1 – Cash for Grass Outreach

- Existing statewide measure at www.saveourwaterrebates.com
- \$2/ sq ft program (up to \$2,000) compares favorably with other local and statewide rebates
- Consider focused canvassing and mailer/door hanger

PR-2 – Clean and Close Outreach

- Lateral connections have begun and are on-going
- Many contractors are still recommending tank demolition based on familiarity
- Consider immediate outreach indicating that rebates are being considered
- Clean and close is cost effective when compared to tank demolition

PR-3 – Information Outside of Prohibition Zone

9

- Existing GSWC programs
- Statewide turf and toilet rebate
- Opportunity to remind private well owners that seawater intrusion is occurring

PR-4 – Conservation Audits

10

- If BMC rebates are implemented, multiple rebate sources can be confusing
- PG&E and gas company rebates
- Assist residents in eligibility and navigation of rebate process
- Maximize conservation

Indoor – 1 Hot Water Recirculation System

11

- Minimizes water waste while residents wait for hot water at tap
- Proposed rebate of \$300, installed cost varies by system
- Annual savings estimates vary, assume 5,000 to 10,000 gal/year saved
- Assuming 10 year life, approx. \$1,400/acre-ft saved
- With full implementation, savings could reach 50 to 100 acre-ft per year (indoor)

Indoor – 2 High Efficiency Clothes Washer

12

- Current County rebate: \$150
- Proposed BMC rebate: \$250
- Annual savings estimates vary, assume 3,000 to 5,000 gal/year with 20 to 30 gallons saved per load
- Limited fixture life increases cost per acre-ft, estimated at approx. \$4,900.
- With full implementation, savings could reach 40 to 60 acre-ft per year (indoor)

Indoor – 3

Replace 1.6 gal/flush Toilets

13

- Current program allows 1.6 gal/flush toilets to remain
- Current technology can achieve less than 1.0 gal/flush
- Exact count of 1.6 gpf toilets unavailable, but could be over 5,000
- Proposed rebate of \$250, with estimated average savings of 1,500 gal/year
- Long fixture life yields cost per rebate of approx. \$2,700/ acre ft
- Savings could reach 30 to 50 ac-ft/year

Indoor – 4

Replace 2.0 gal/min showerheads

14

- Current program allows 2.0 gal/min showerheads to remain
- Current technology can achieve less than 1.5 gpm with acceptable performance
- Exact count of 2.0 gpm showerheads unavailable, but could be over 5,000
- Proposed rebate of \$40, with estimated average savings of 1,500 gal/year
- Inexpensive program yields cost per rebate of approx. \$900/ acre ft
- Savings could reach 30 to 50 ac-ft/year

Outdoor - 1

Septic Tank Repurpose- Roof Water

15

- Proposed \$500 rebate for repurposing septic tank for roof water irrigation
- Simple access riser with mobile pump may be more cost effective for users, making rebate attractive
- Annual savings depends on number of irrigation events, estimated at 3,500 gal/year
- Long tank life yields cost per rebate of approx. \$2,300/ acre ft
- Savings with full implementation could reach 40 to 60 ac-ft/year

Outdoor – 2: Septic Tank Repurpose- Roof and Hauled Recycled Water

16

- Proposed \$500 rebate for repurposing septic tank for roof and hauled recycled water irrigation (limit \$500/home for repurpose options)
- State policy on recycled water for individual homes
- Proposed 10th Street filling station
- Could provide source of outdoor water if irrigation with potable water is prohibited
- Savings with full implementation could reach 70 to 90 ac-ft/year
- Savings depends on hauled quantity, but rebate cost estimated at \$1,400/acre ft

Outdoor – 3 Gray Water System

- Proposed \$500 rebate for gray water system (limit \$500/home for repurpose/gray water options)
- Code and permit requirements
- Could provide source of outdoor water if irrigation with potable water is prohibited
- Savings with full implementation could reach 70 to 90 ac-ft/year
- Savings depends on irrigation quantity, but rebate cost estimated at \$1,400/acre ft

Outdoor – 4 Recycled Water Fill Station

- 10th Street Location
- Must be staffed during haul days
- Local programs to minimize cost of hauling could be discussed
- Economically attractive for users during periods where outdoor irrigation is limited or prohibited

Outdoor – 5

Laundry to Landscape Program

19

- Proposed \$50 rebate for laundry-only gray water system (recipients of \$500 repurpose rebate are not eligible)
- Code allows permit exemption for gravity discharge of laundry water to landscape area
- Minimum 2" of mulch, and no pump or diaper washing
- Savings with full implementation could reach 10 to 20 ac-ft/year
- Savings depends on irrigation quantity, but rebate cost estimated at \$2,600/acre ft

Next Steps

- Discuss, amend, and adopt programs
- Work with purveyors and County on short and long term funding
- Under existing conservation budget, direct staff to implement information programs to preserve repurpose flexibility