



# TODAY'S ACTION

Consider Receiving an Update on the Well Permit Review Process.





# Prior BOD/BOS Action

- BOD receives monthly updates on well permit review activities related to implementation of the 2010 Monterey County General Plan.
- BMP Committee received this update on November 2, 2016.



# Financial Impact

- Agency receives fees to cover well permit review efforts.
- No impact from receiving this report.



# Discussion

## Well Permit Review Process

- Well permits in Monterey County are issued by the Health Department.
- Agency provides technical review
  - Consideration of geology and hydrogeology
  - Implementation of policies from 2010 General Plan



## Discussion (cont.)

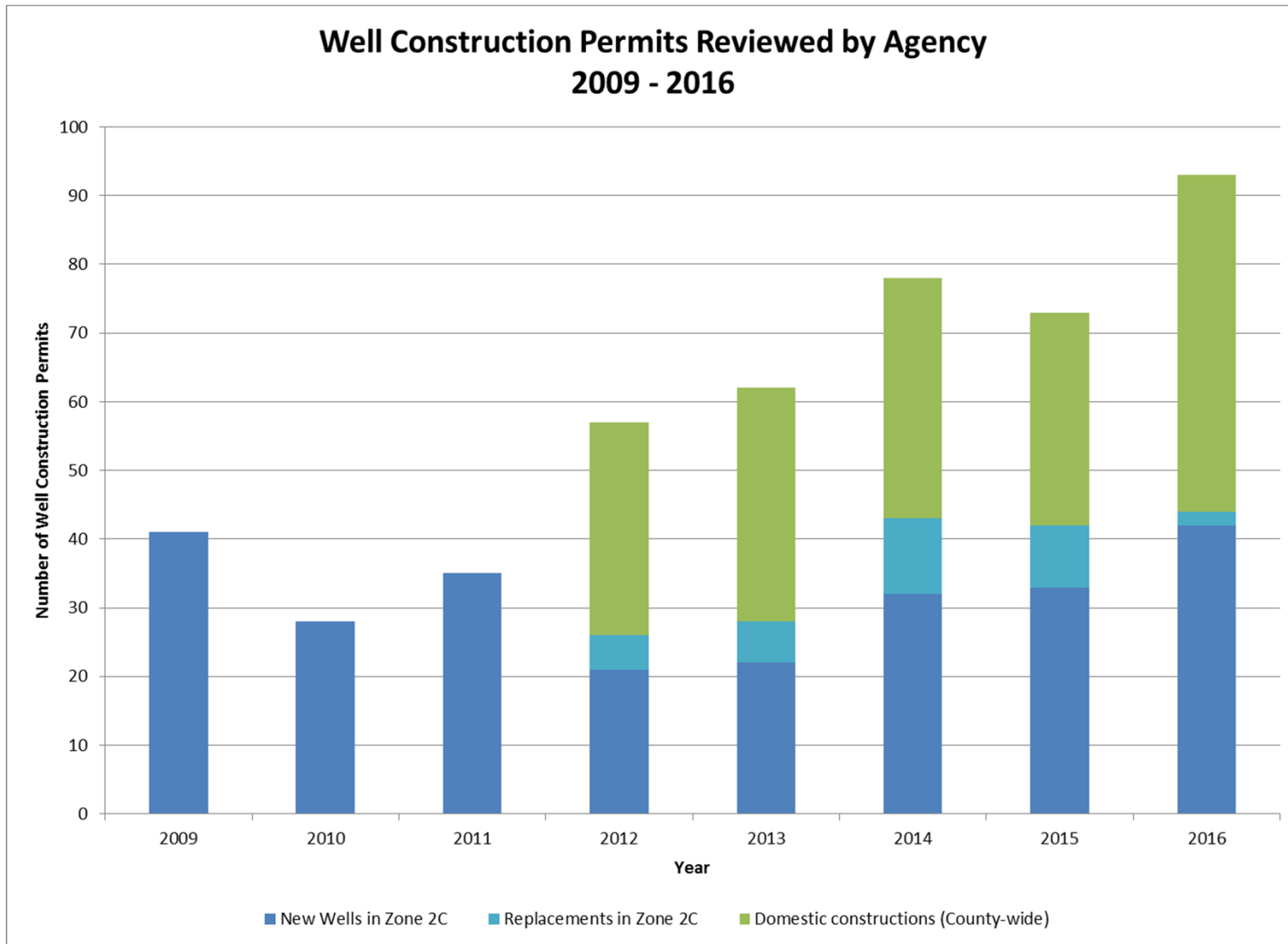
- Review includes permits for boreholes, construction, destruction, and repair of wells.
  - Also non-production wells (monitoring, cathodic protection)
  
- Agency review activity increased in November 2011 with implementation of 2010 General Plan policies
  - Well impact evaluations for
    - Domestic wells
    - High capacity wells (over 1,000 gpm)



# Discussion (cont.)

- Replacement wells
  - Exempts a new well from the well impact evaluation under 2010 General Plan policy
  - Currently interpreted with a “one-for-one” approach
    - Well construction permit for a replacement well must be accompanied by a well destruction permit for the well being replaced.
  - Not the same as a standby, inactive, or abandoned well
  - Tracking of replacement wells began with implementation of 2010 General Plan

# Discussion (cont.)





## Discussion (cont.)

- Review of domestic well construction permits started shortly after drought began
  - Difficult to discern trends if including this data
- Remaining presentation will focus on data for proposed construction of non-domestic production wells in Zone 2C
  - Agricultural, industrial, municipal





# Discussion (cont.)

## New Well Construction Activity & the Drought

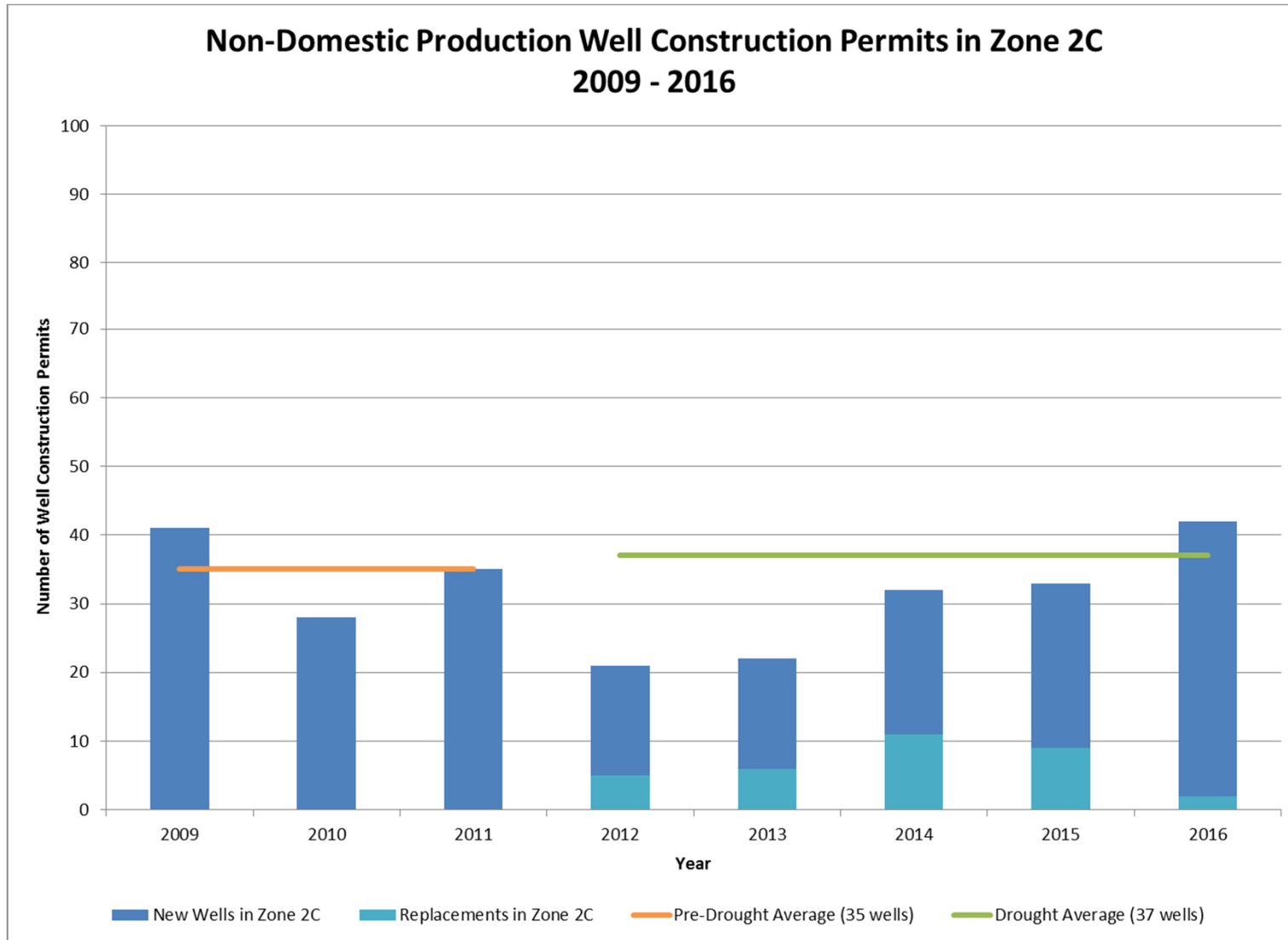
- Reviewed data from 2009 to 2016
- Divided into two time periods
  - Pre-drought (2009 to 2011)
  - Drought (2012 to 2016)



## Discussion (cont.)

- Number of wells installed ranged from 26 to 44 per year
  - Has not increased significantly since the drought began
- Pre-drought period average: 35 wells per year
- Drought period average: 37 wells per year

# Discussion (cont.)



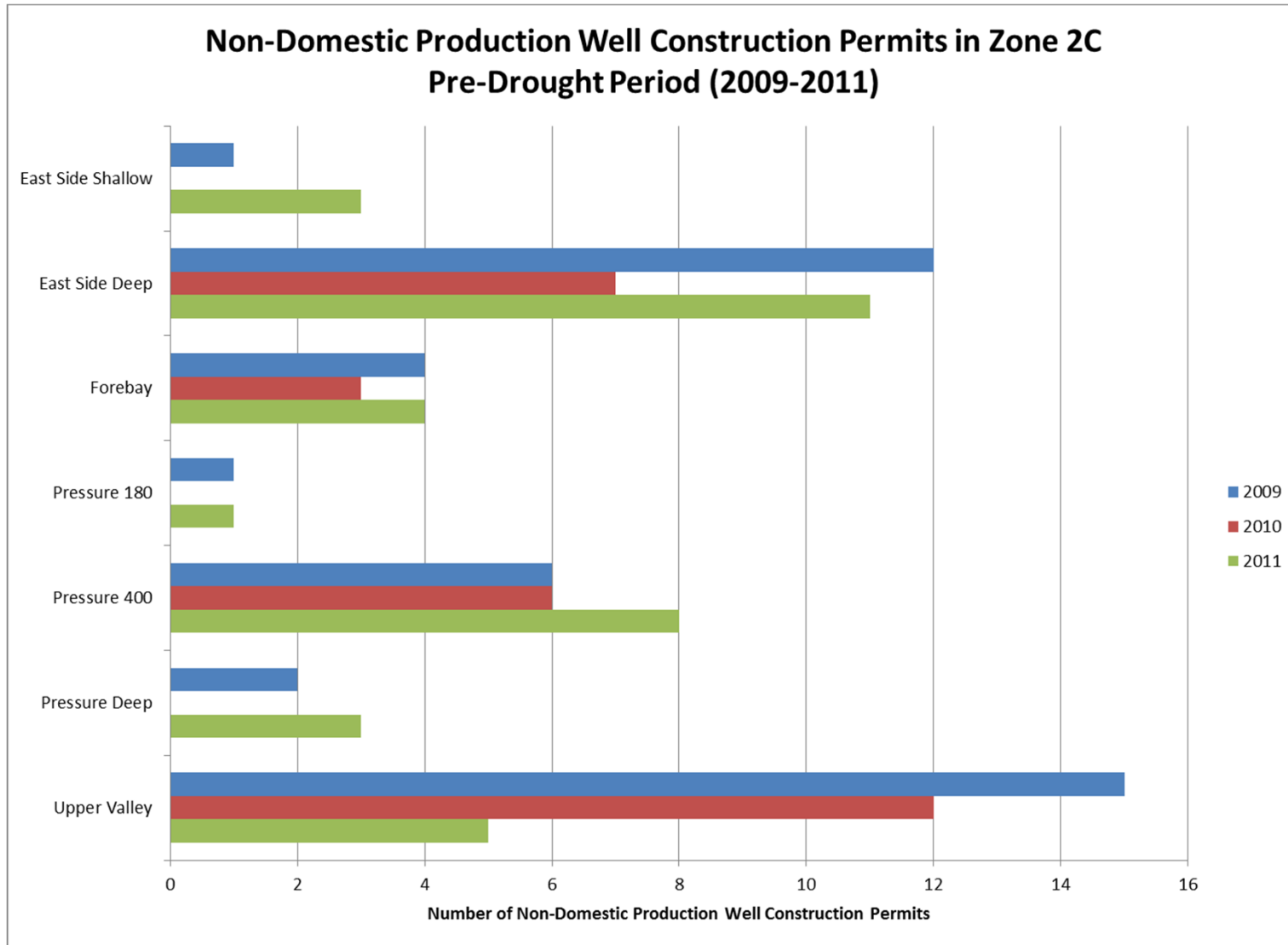


# Discussion (cont.)

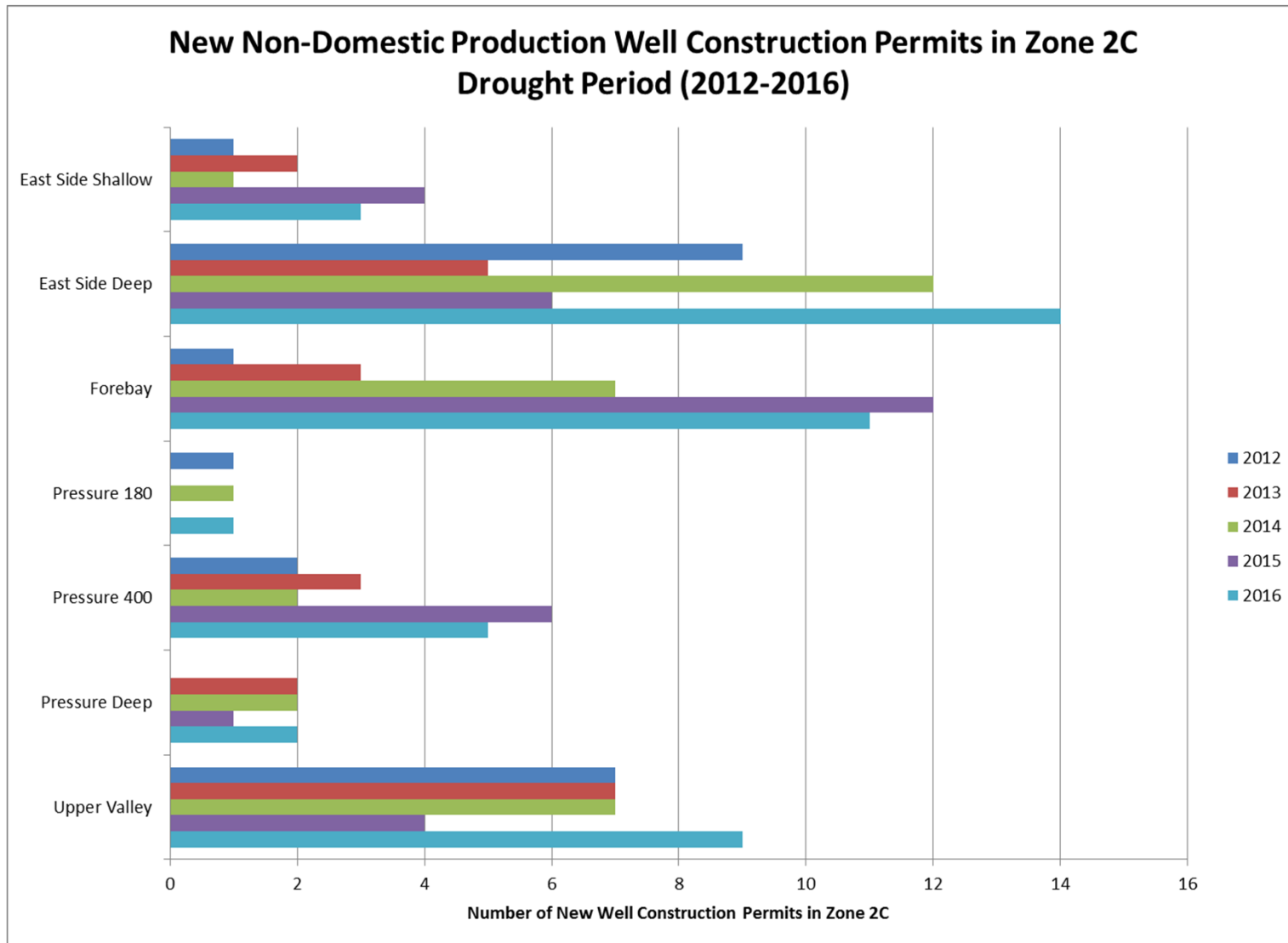
## New Wells by Subarea

- Upper Valley and East Side Deep Aquifers had the most new wells pre-drought
- Largest increase in number of new wells during drought period is in Forebay Aquifer
- Smaller increases in all other subareas/aquifers except for Pressure 180-Foot Aquifer

# Discussion (cont.)



# Discussion (cont.)



# Discussion (cont.)

Hydrologic Subarea/Aquifer	Number of new wells* in 2012	Number of new wells* in 2016	Change in number of new wells
Pressure 180-Foot Aquifer	1	1	no change
Pressure 400-Foot Aquifer	2	5	+3
Pressure Deep Aquifer	0	2	+2
East Side Shallow	1	3	+2
East Side Deep	9	14	+5
Forebay	1	11	+10
Upper Valley	7	9	+2

\* Refers to non-domestic production wells in Zone 2C.  
Does not include replacement wells.



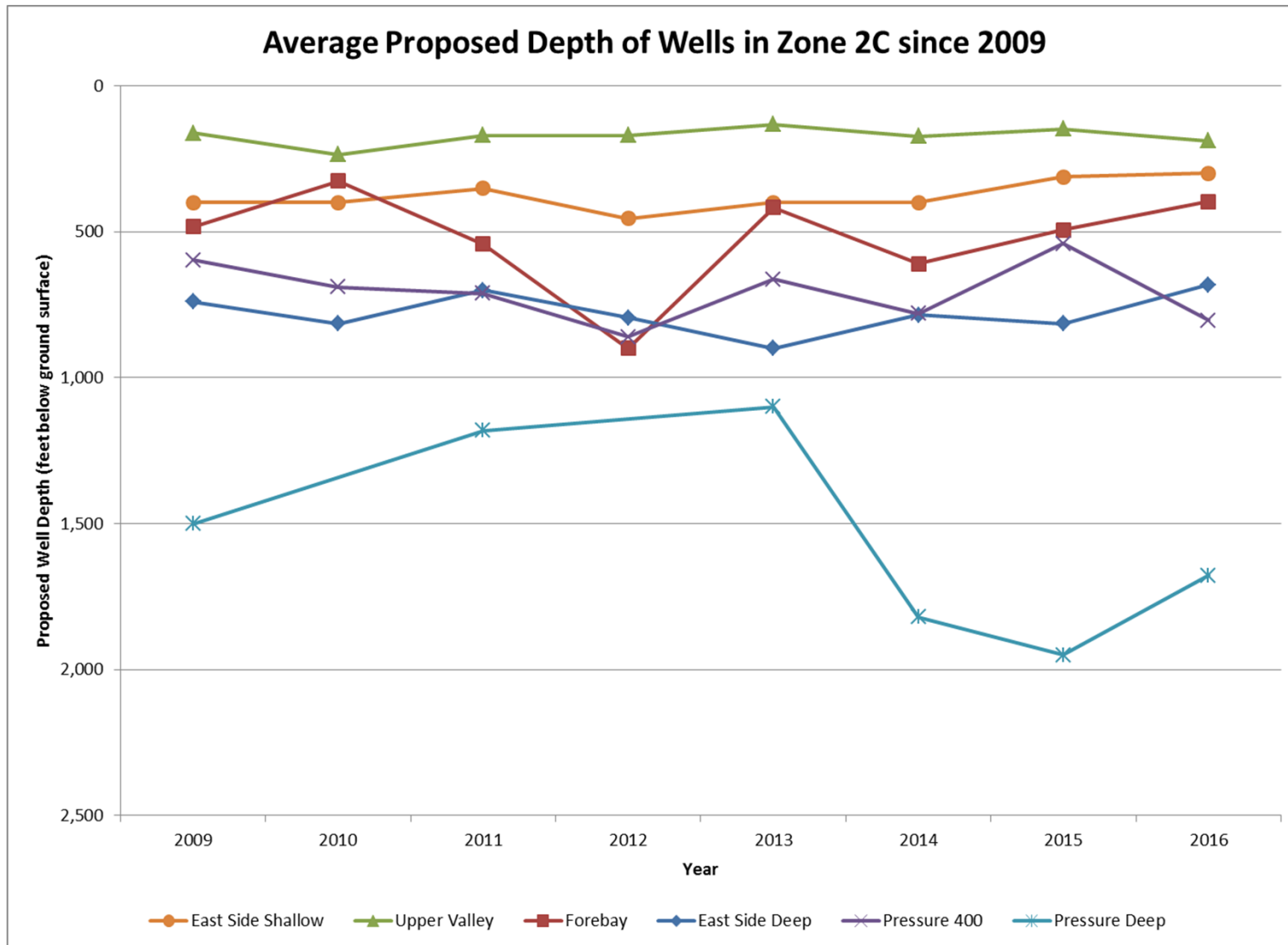
# Discussion (cont.)

## Well Depth

- Average depth of proposed wells has been fairly consistent in most subareas.
  - Exception is in Pressure Deep Aquifer
- Depth is constrained by hydrogeology in many areas.



# Discussion (cont.)



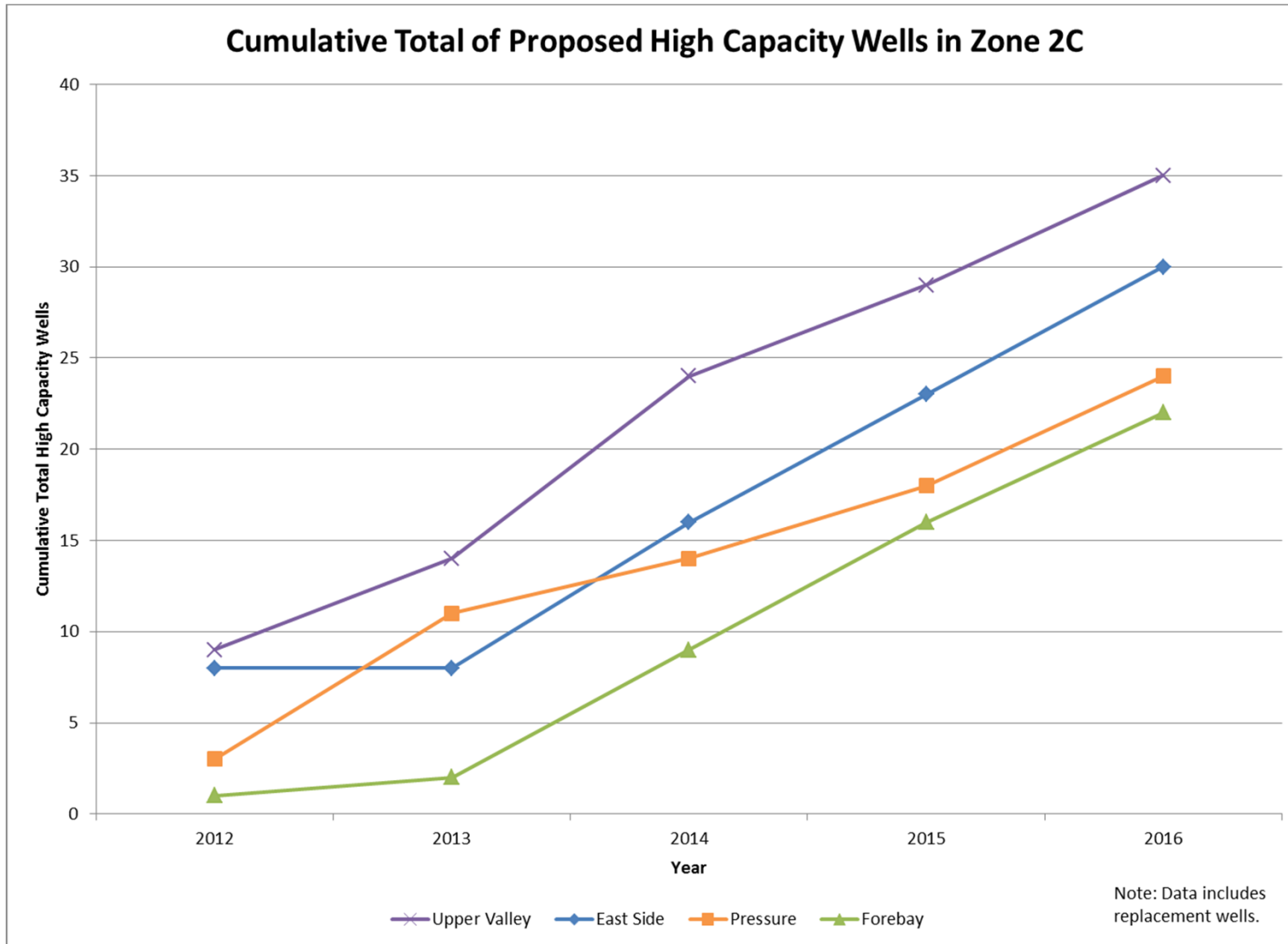


# Discussion (cont.)

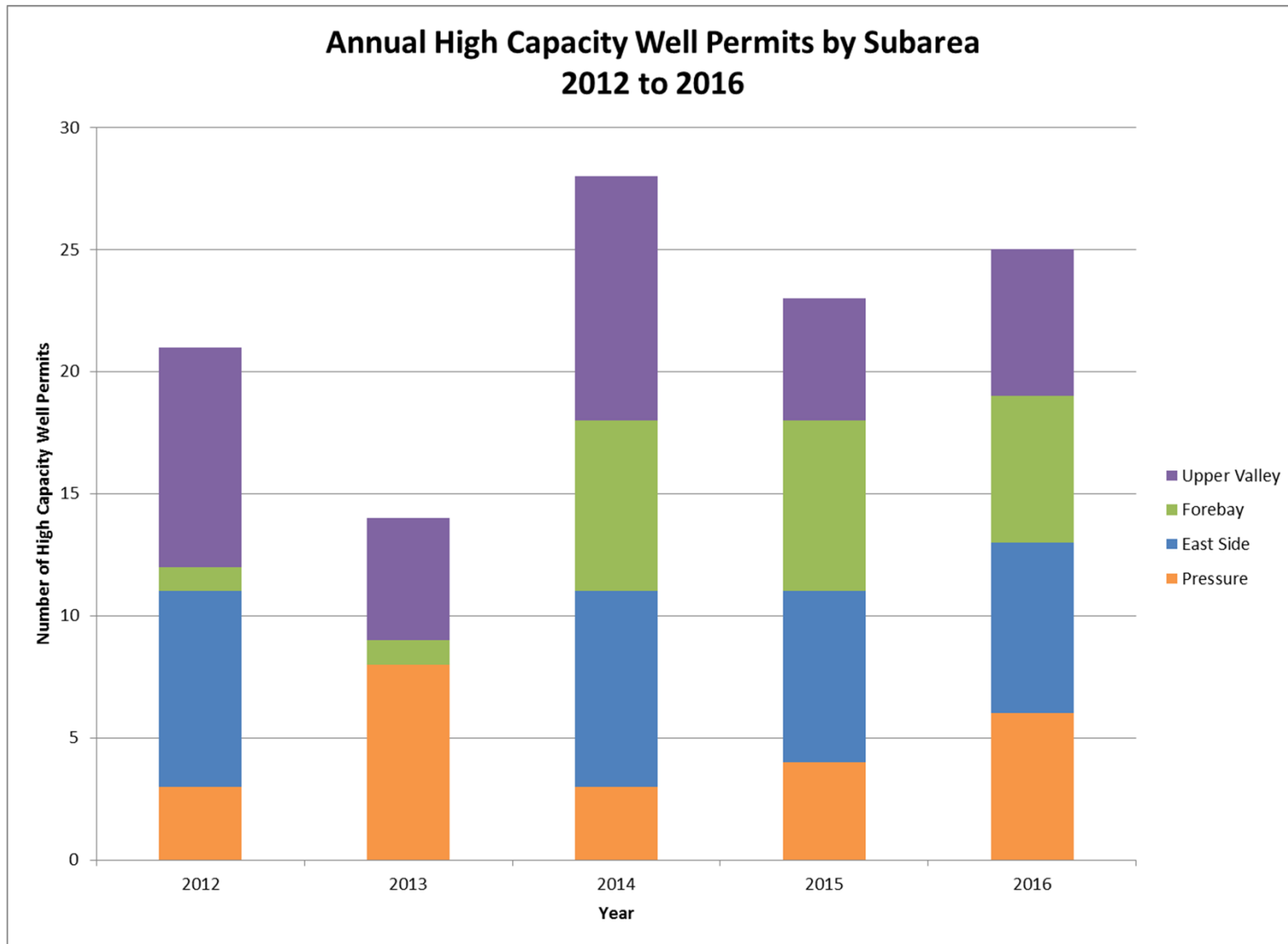
## Well Capacity

- “High capacity” is defined by 2010 General Plan as *a well that has a flow over 1,000 gallons per minute*
- Number of high capacity wells tracked since 2012
- Most high capacity wells in Upper Valley Aquifer
- Installation at an increasing rate since 2014 in most aquifers

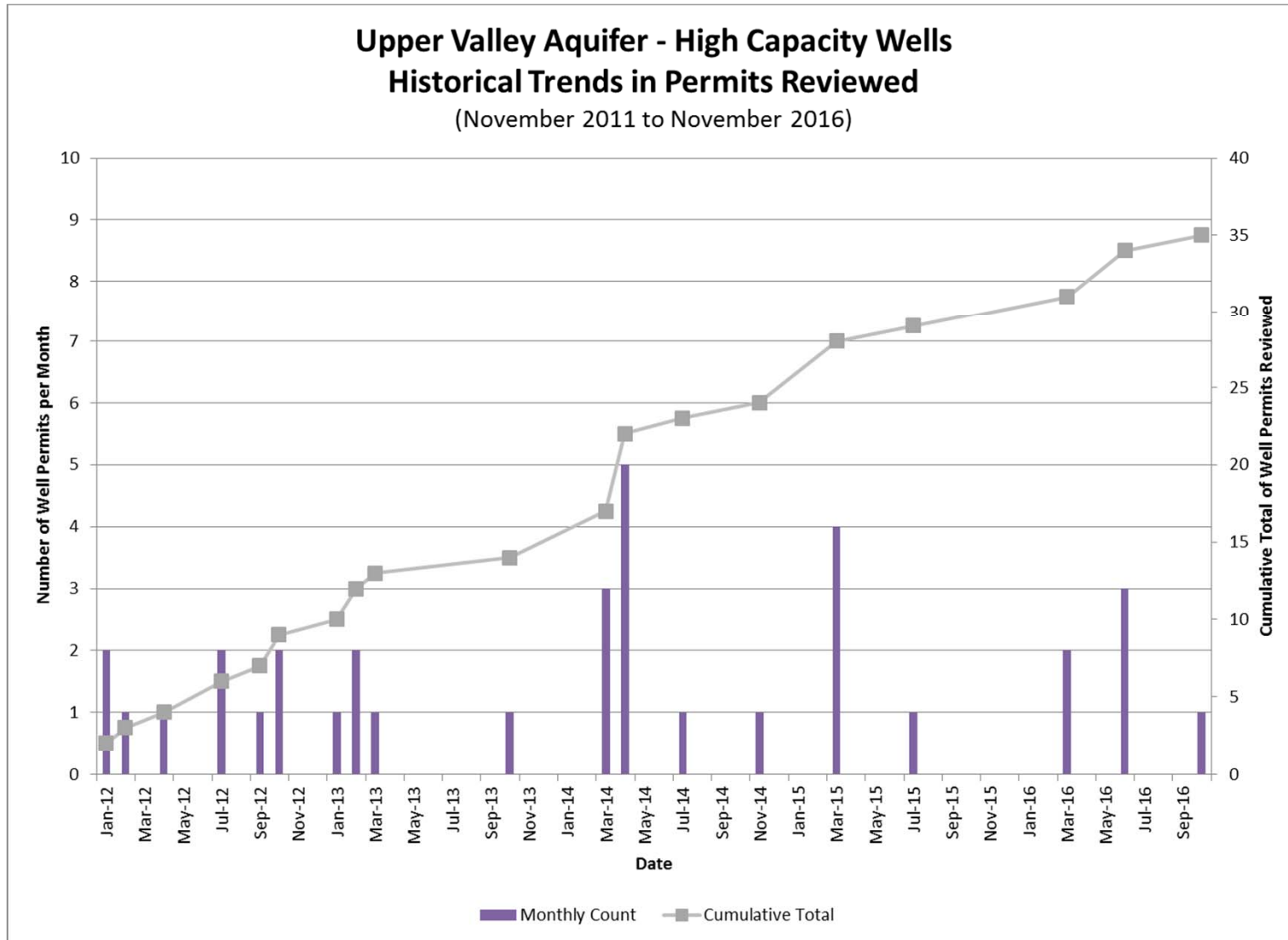
# Discussion (cont.)



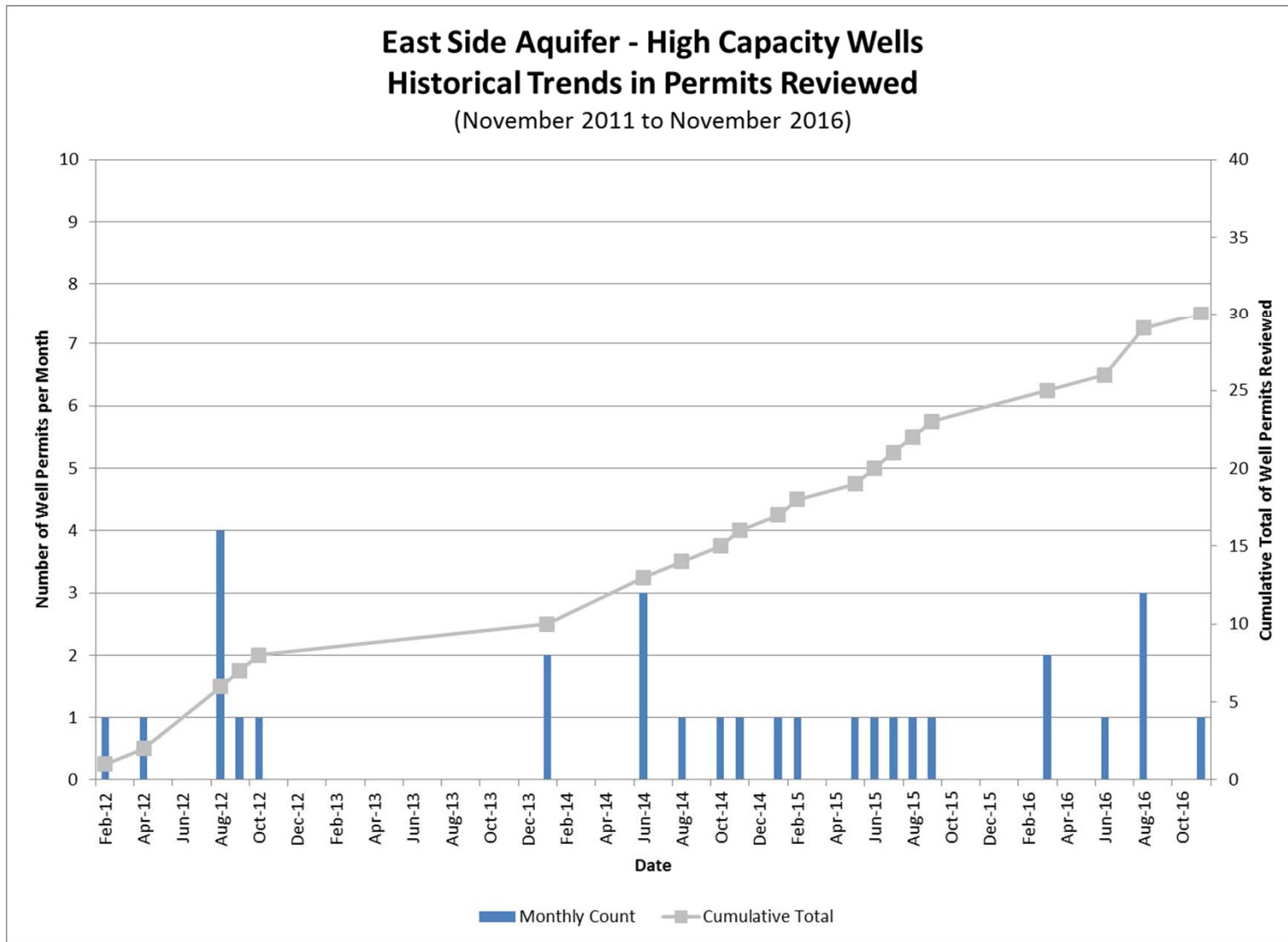
# Discussion (cont.)



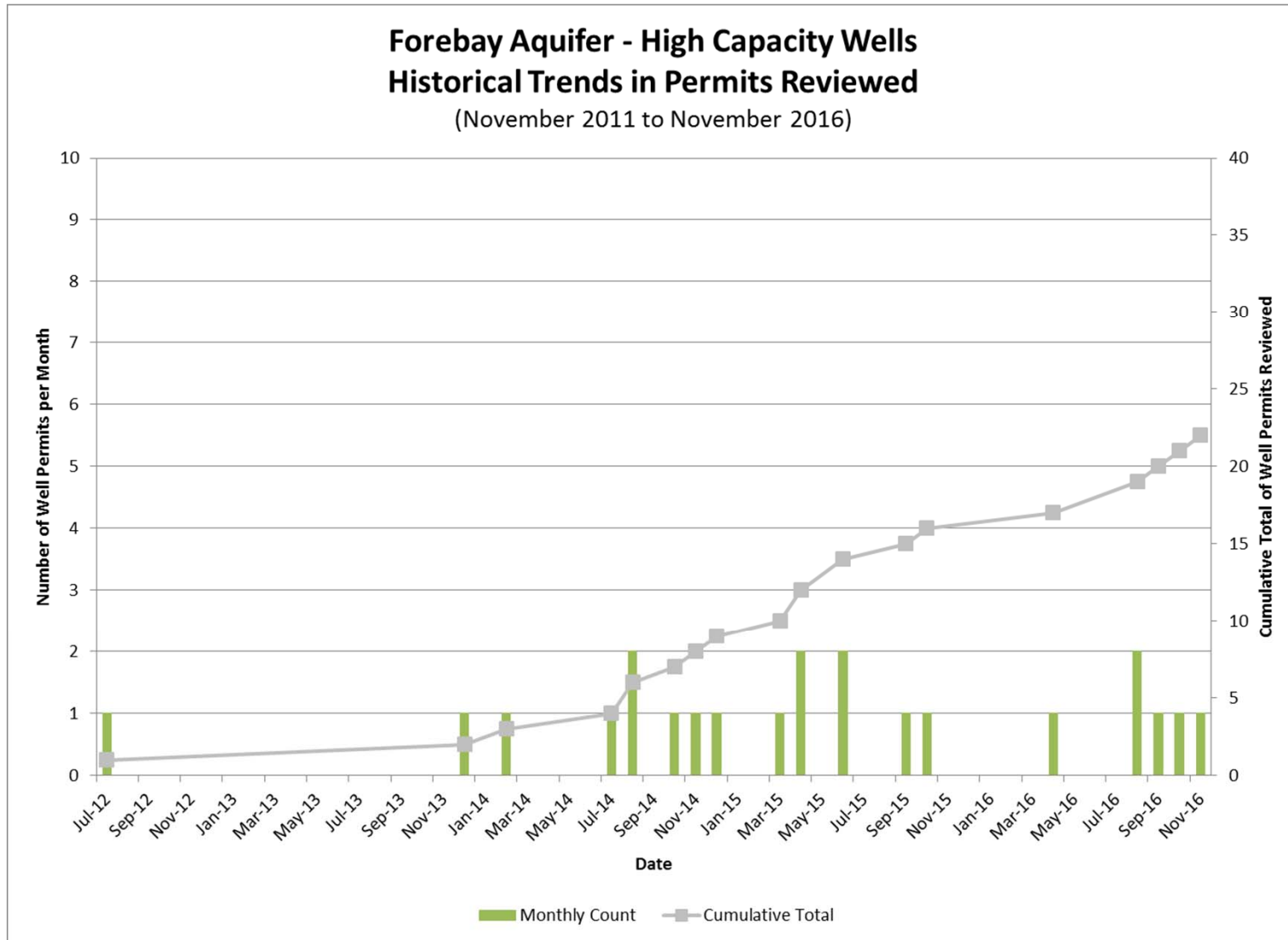
# Discussion (cont.)



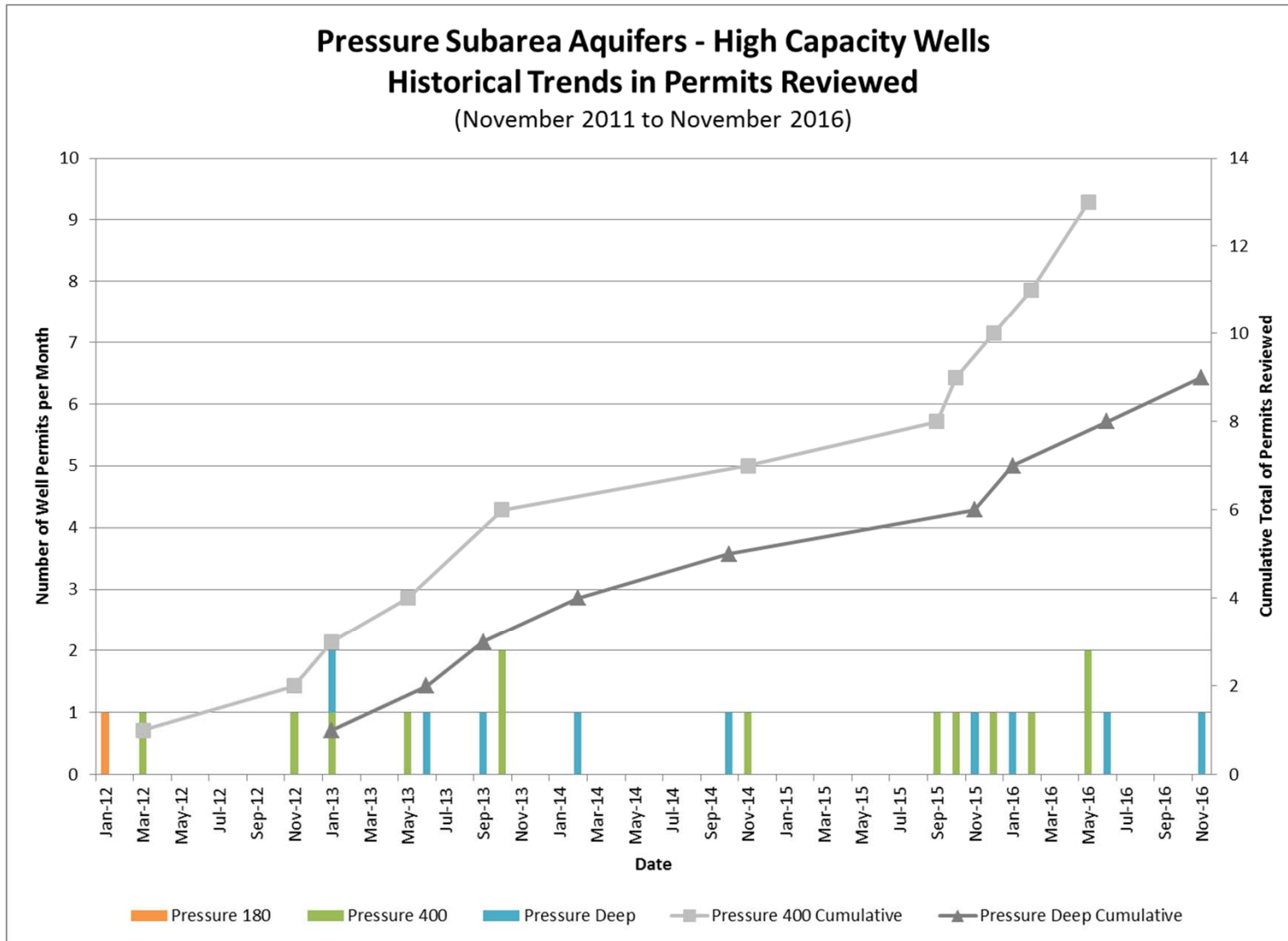
# Discussion (cont.)



# Discussion (cont.)



# Discussion (cont.)







# Summary

- Average annual number of well construction permits essentially unchanged since drought began.
- Forebay Aquifer has seen largest increase in new wells during drought.
- Average well depth increasing in Pressure Deep Aquifer since 2014, constant in other subareas.
- High capacity wells installed with increasing frequency beginning in 2014.



# TODAY'S ACTION

Receive an Update on the Well Permit  
Review Process.







# TODAY'S ACTION

Consider Approving an Advisory Committee Application and Member Selection Process for the Monterey County Water Resources Agency Reservoir Operations Advisory Committee and Basin Management Advisory Committee (Formerly Reservoir Operations and Basin Management Plan Committees, Respectively); Approving the Establishment and Selection of an Ad-hoc Review Committee for the Advisory Committee Nominees; and, Providing Direction to Staff.





# Committee Action

- None



# Financial Impact

- Minimal impact expected
- Depends on number of applications



# Discussion

- Agency Bylaws officially revised at September BOD meeting
- Reservoir Operations and Basin Management Plan Committees were changed to ‘advisory’ committees
  - Reservoir Operations Committee is now “Reservoir Operations Advisory Committee”
  - Basin Management Plan Committee is now “Basin Management Advisory Committee”



# Discussion (cont.)

- Reservoir Operations Advisory Committee (ROAC):
  - Total membership – 17
    - Three BOD members
    - BOD Chair
    - One representative from Salinas Valley city
    - One representative (each) from:
      - Pressure
      - East Side
      - Forebay
      - Upper Valley
    - Three public members (at large)
    - One representative (each) from:
      - SLOCO Public Works, MC Parks Department, Concessionaire at Lakes, NRWMAC, and SRCC





# Discussion (cont.)

- Basin Management Advisory Committee:
  - Total membership – 11
    - Three BOD members
    - One representative from a Salinas Valley city
    - One representative (each) from:
      - Pressure
      - East Side
      - Forebay
      - Upper Valley
    - Three public members (at large)



## Discussion (cont.)

- This process is for the subarea and public members
- A letter will be sent to the entities identified for nominee submittal
  - Two names to be submitted
- Application period: December 1 to 31, 2016
- Current ResOp and BMP committee members are required to reapply for membership



## Discussion (cont.)

- Application and process documents will be on Agency web site
  - <http://www.mcwra.co.monterey.ca.us>
  - Applications will only be accepted electronically through this process



## Monterey County Water Resources Agency Committee Member Application Form



To apply, please: 1) fill in your personal information; 2) check the appropriate boxes, and 3) answer the question below.

**PLEASE NOTE: CURRENT COMMITTEE MEMBERS MUST REAPPLY.**

**Name:** [Click here to enter text.](#)

**Address:** [Click here to enter text.](#)

[Click here to enter text.](#)

**Contact Information:**

**Phone number:** [Click here to enter text.](#)

**Email address:** [Click here to enter text.](#)

- I am applying for the:
- Reservoir Operations Advisory Committee (ROAC)  
Meets every LAST Thursday of the month at 1:30 PM
  - Basin Management Advisory Committee (BMAC – old BMP)  
Meets every FIRST Wednesday of the month at 8:30 AM

I am applying to represent the (please select only one):

- Pressure Area
- East Side Area
- Forebay
- Upper Valley
- Public Member – At large

Why do you think you would be a contributing member to the selected committee (add pages if necessary)?

Please submit Application form via email to Wini Chambliss [[Chamblissws@co.monterey.ca.us](mailto:Chamblissws@co.monterey.ca.us)]  
and Robert Johnson [[johnsonr@co.monterey.ca.us](mailto:johnsonr@co.monterey.ca.us)]



# Discussion (cont.)

- Selection process
  - Month of January 2017
    - BOD Chair to appoint an ad-hoc Selection Committee
    - Submitted application would be provided to the SC
  
    - Selected nominees would be notified
    - Committee rosters would be developed
  
- ROAC and BMAC would meet with new members in February



# Summary

- Bylaws change ResOp and BMP committees to advisory status
- Application process needed to develop new committee memberships
- Application materials on Agency web site
- Application period: December 1 – 31, 2016
- Current ResOp and BMP members need to reapply
- New committees should be in place by February meetings



# TODAY'S ACTION

Approve an Advisory Committee Application and Member Selection Process for the Monterey County Water Resources Agency Reservoir Operations Advisory Committee and Basin Management Advisory Committee (Formerly Reservoir Operations and Basin Management Plan Committees, Respectively); Approve the Establishment and Selection of an Ad-hoc Review Committee for the Advisory Committee Nominees; and, Provide Direction to Staff.

