



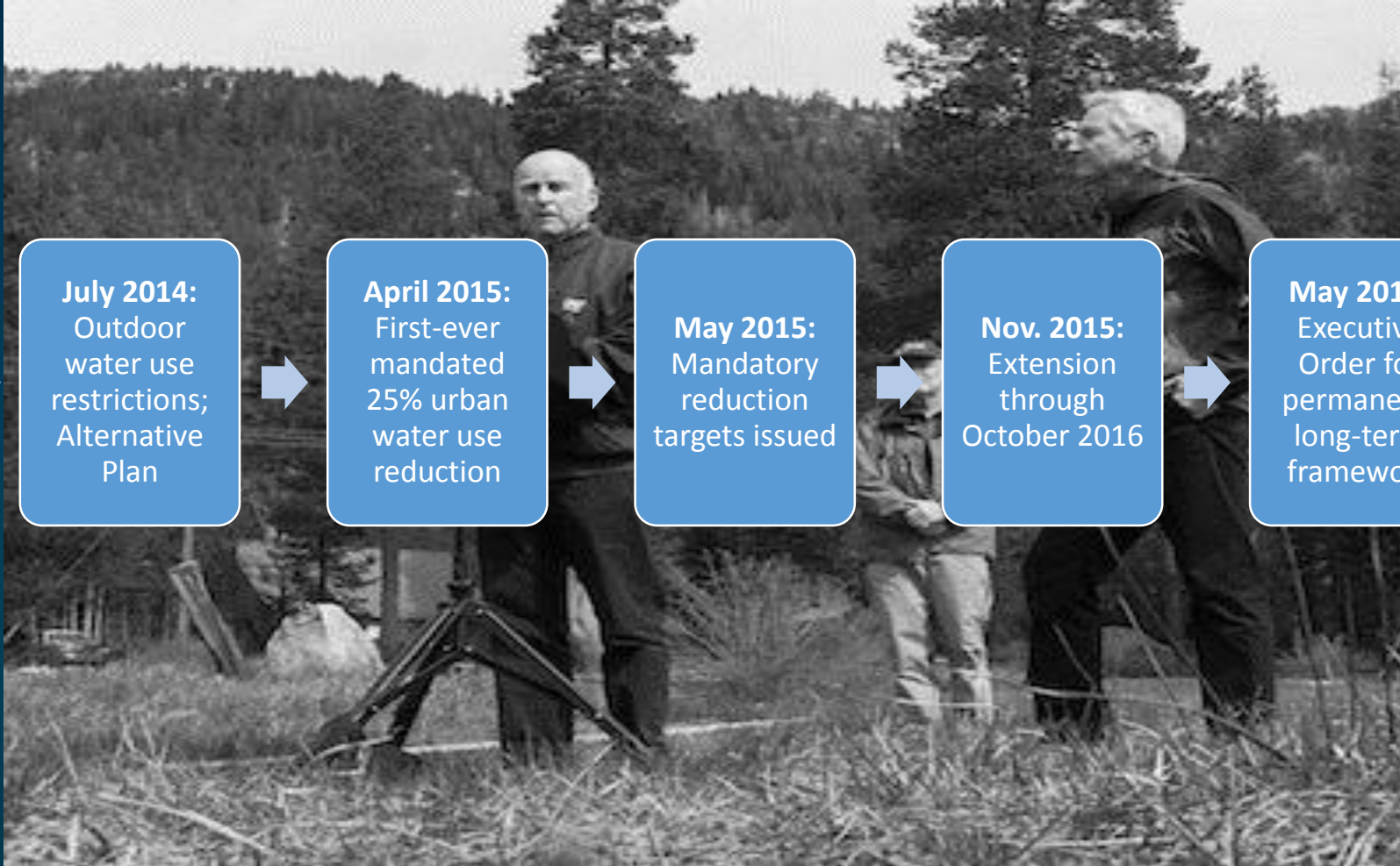
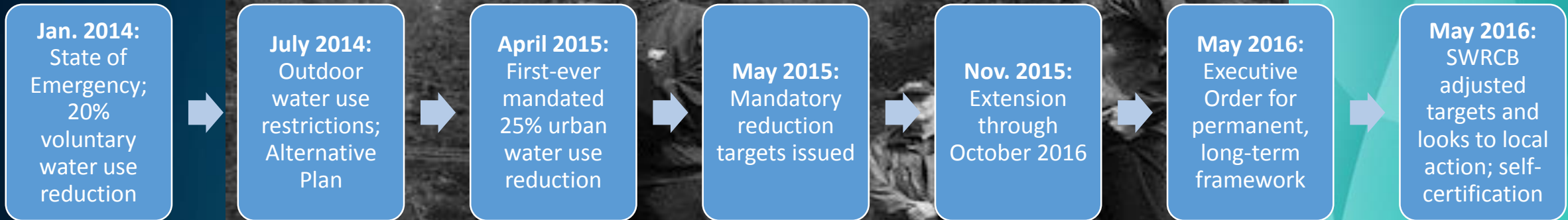
moulton niguel water district

Long Term Efficiency Framework Update

Finance and Information Technology Board Meeting

October 17, 2016

Governor Brown Takes Action to Address California Drought



Key Components of May EO

- Use Water Wisely
- Eliminate Water Waste
- Strengthen Local Drought Planning

Use Water Wisely

- Agency-wide Water Budgets
 - Indoor
 - Outdoor
 - Commercial
 - Water Loss Standards set through SB 555

Eliminate Water Waste

- Make permanent practices that reduce waste & prohibit:
 - Hosing off sidewalks
 - Watering within 48 hours of rain
 - Irrigating turf on street medians
 - Using non-recirculated water in a fountain
 - Washing cars w/out a shutoff nozzle
- Minimize System Leaks

Strengthen Local Drought Resilience

- Actions required- no impact to District
 - Annual Reporting on WSCP
 - Develop Communications Plan
 - Address Financial Elements
 - Compliance

Long Term Framework Timeline

**November
2016**

**Draft report
released**



**January
2017**

**Final report
to legislature**



**By end of
2017**

**Legislation to
amend water
code**



Late 2018

**Final targets
set**



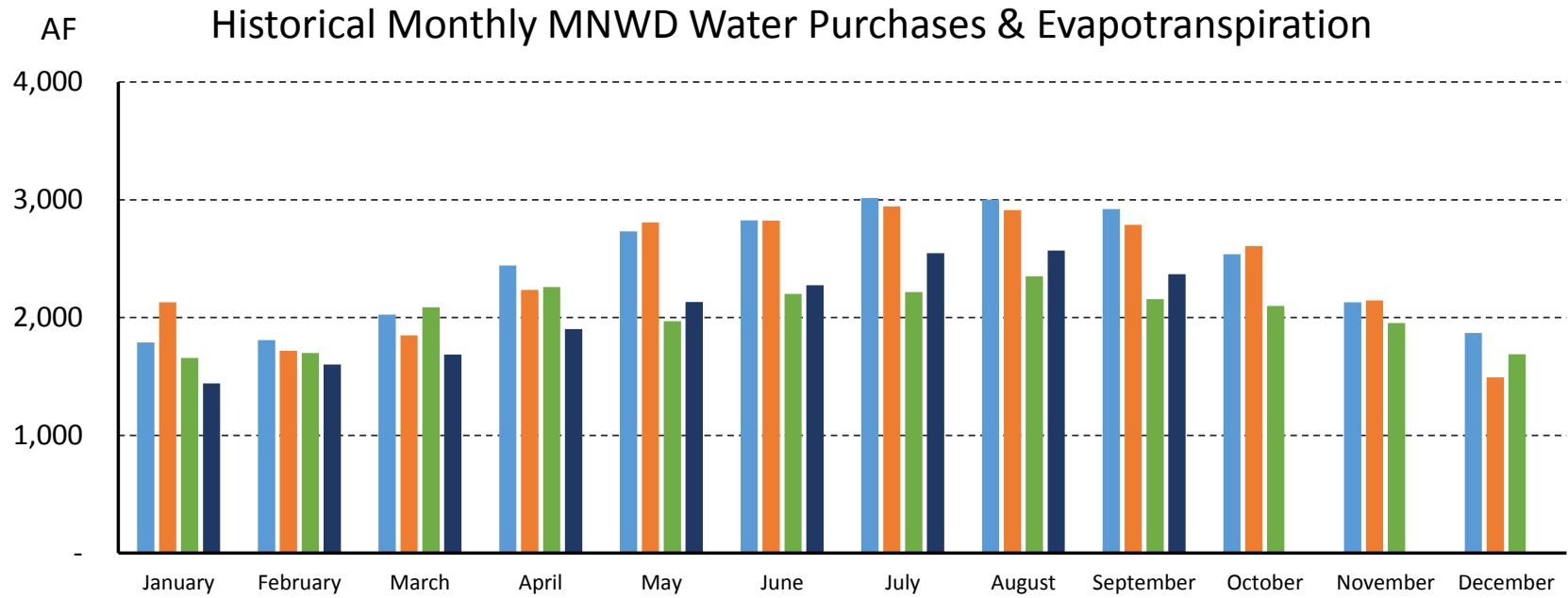
2021

**Initial
reporting
from water
agencies**



2025

**Compliance
enforced**

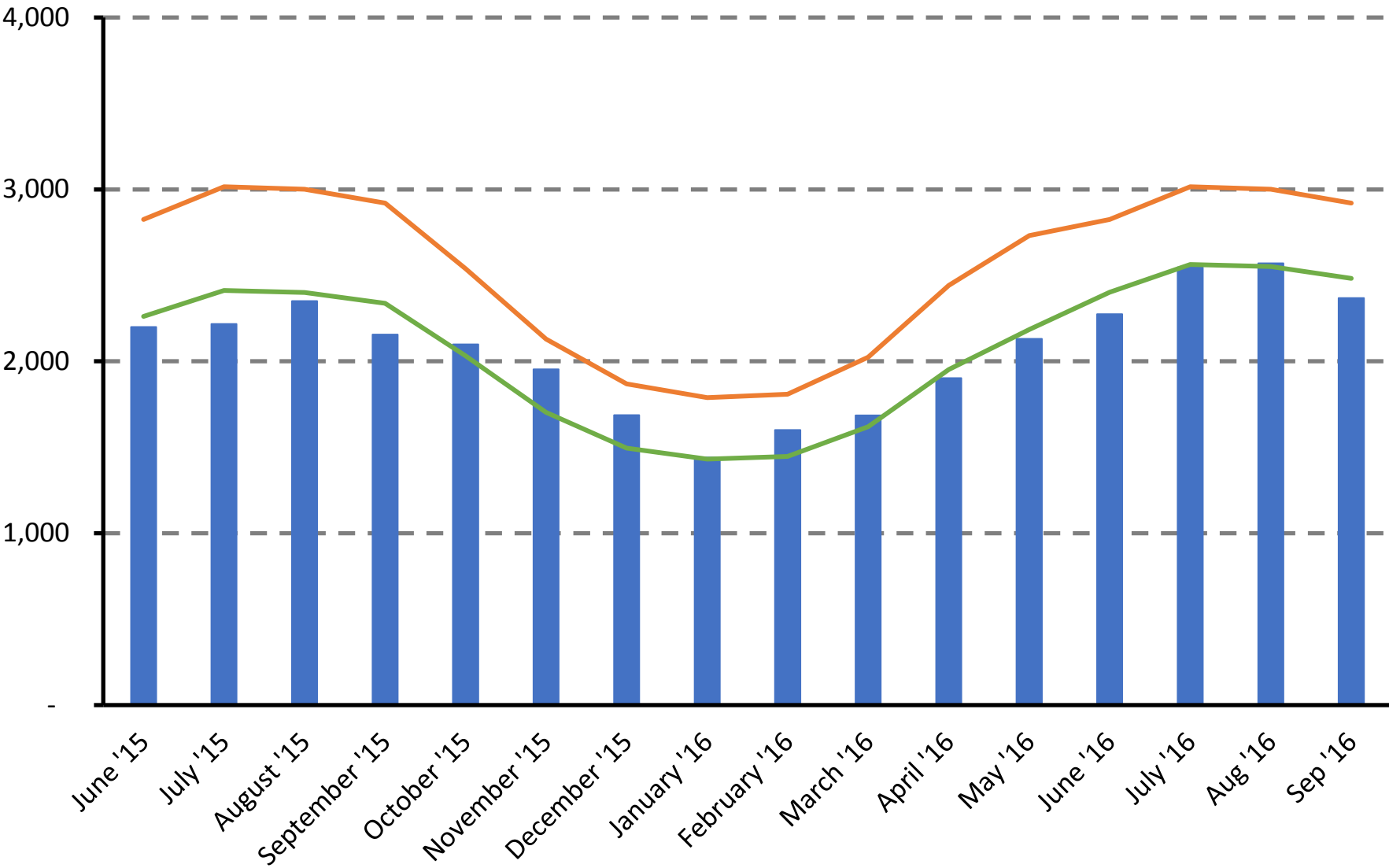


Year	ET (Inches)												
2013	2.54	2.88	4.08	4.79	5.99	6.07	5.81	6.53	5.26	3.92	2.52	2.49	
2014	2.82	2.64	4.09	5.54	6.39	6.45	6.54	6.23	5.21	3.94	3.16	1.91	
2015	2.52	3.02	4.96	5.31	4.48	5.75	5.69	6.27	5	3.88	3.24	2.35	
2016	1.87	3.82	3.98	5.16	4.63	5.77	6.77	5.97	4.51				

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SWRCB Monthly Target & MNWD Water Purchases

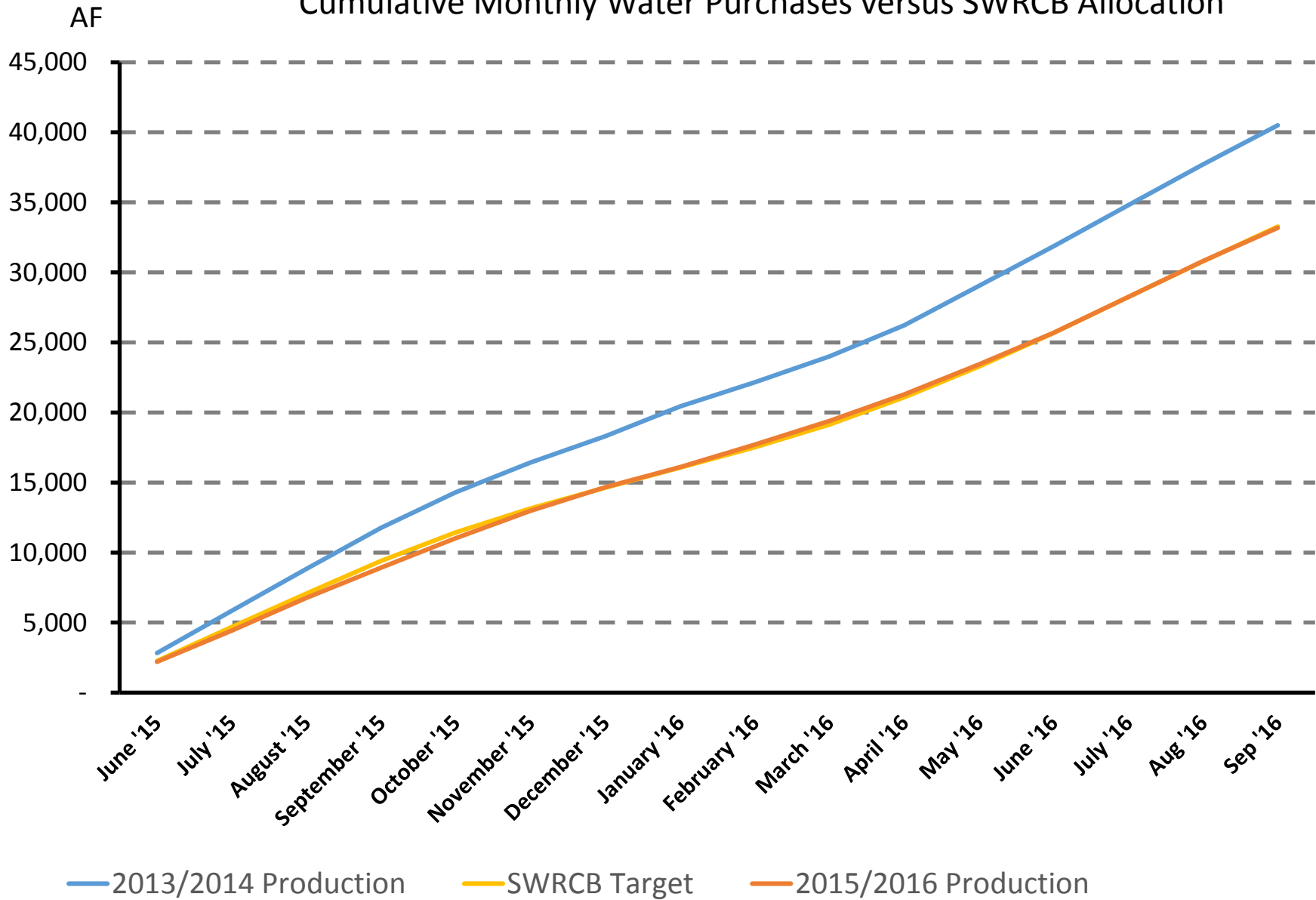
AF



■ 2015/2016 Production
 — 2013 Production
 — SWRCB Target

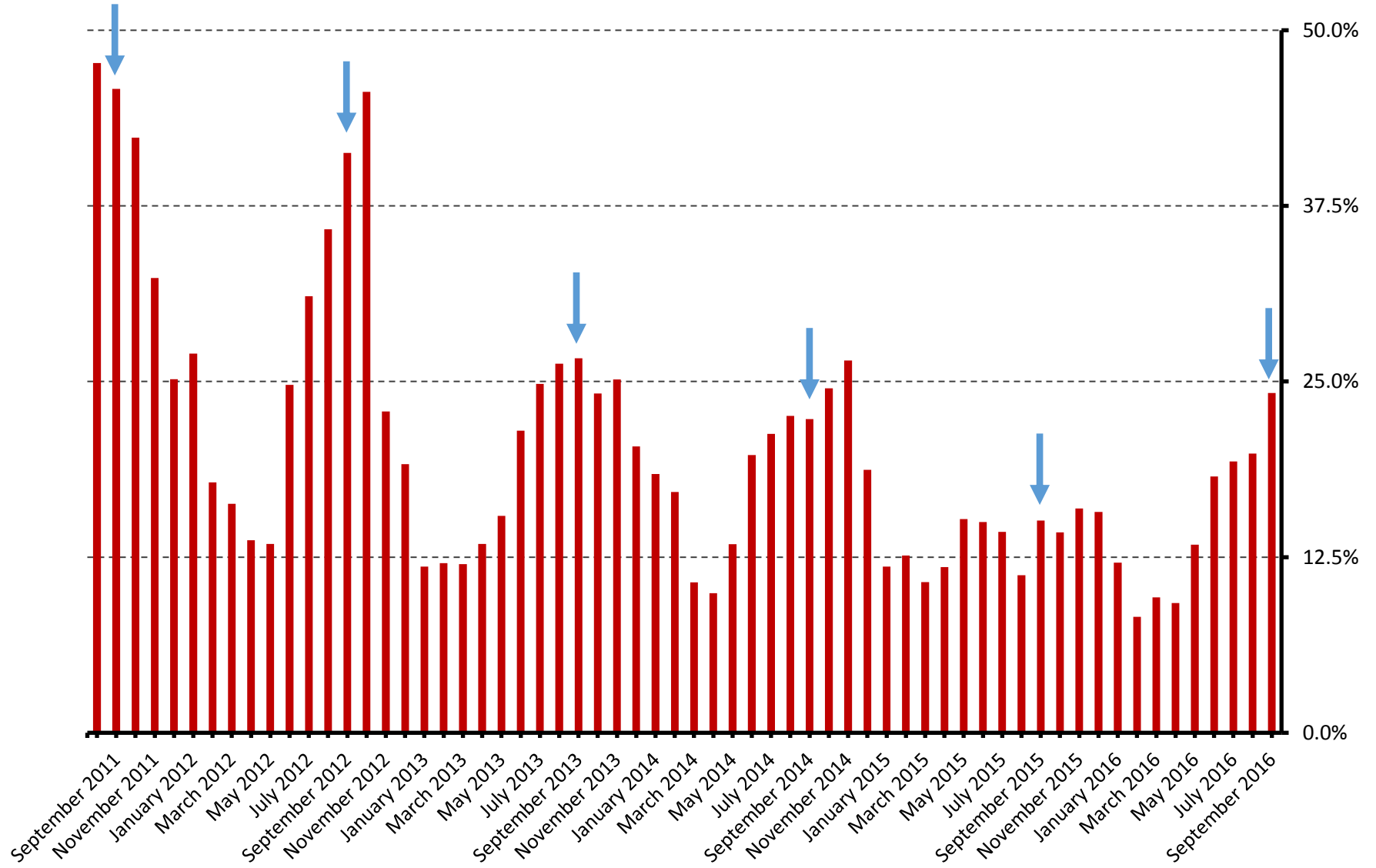
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Cumulative Monthly Water Purchases versus SWRCB Allocation



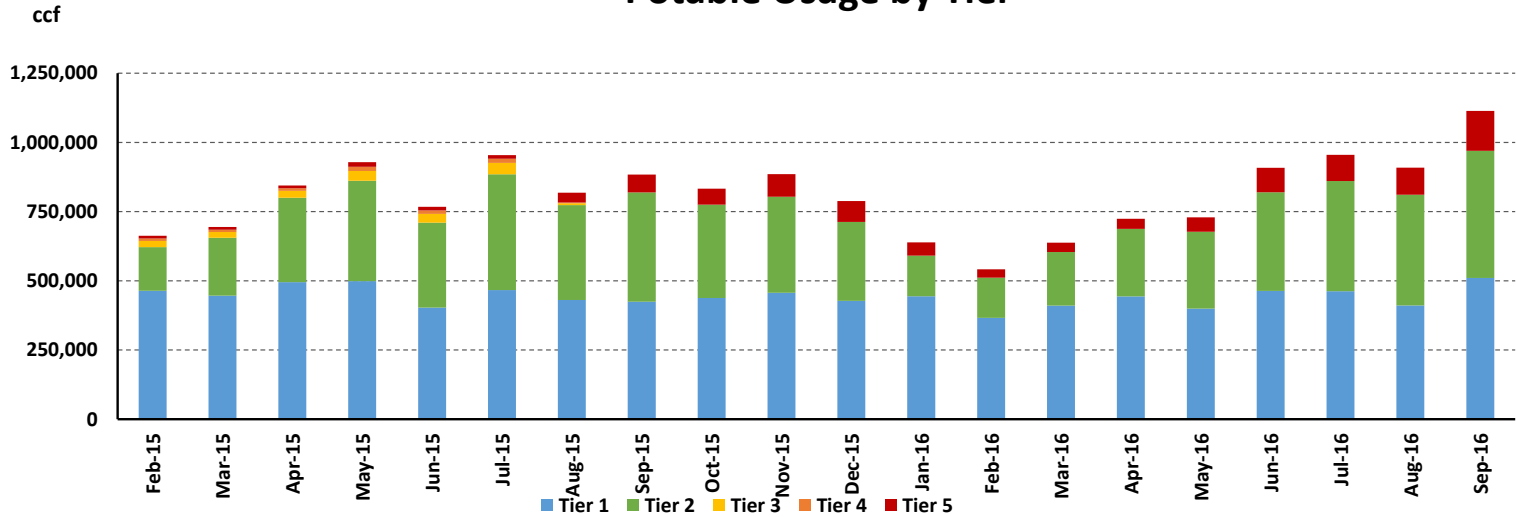
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Single Family Residential Accounts Above Tier 2



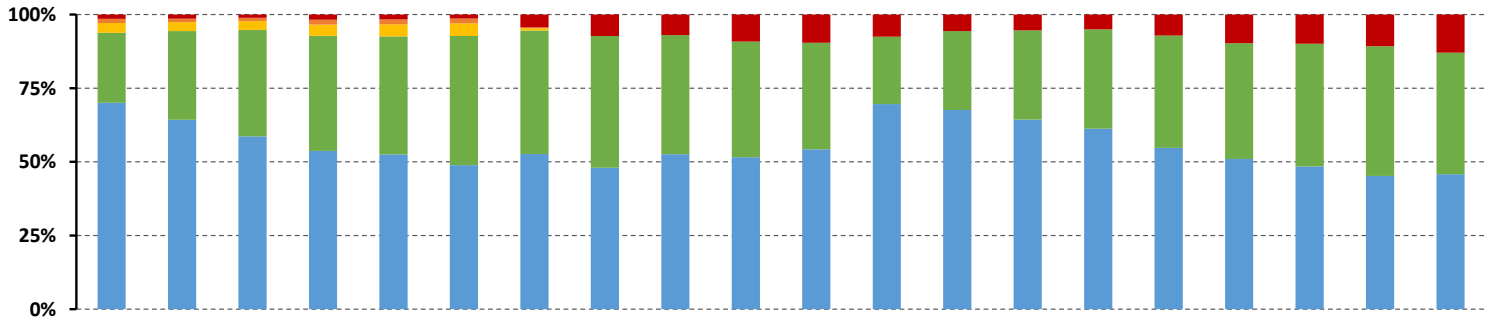
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Potable Usage by Tier



AF in Tier 3, 4, 5	94	89	101	154	131	159	102	148	134	187	173	110	70	78	83	119	202	218	224	331
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Percent Potable Usage by Tier

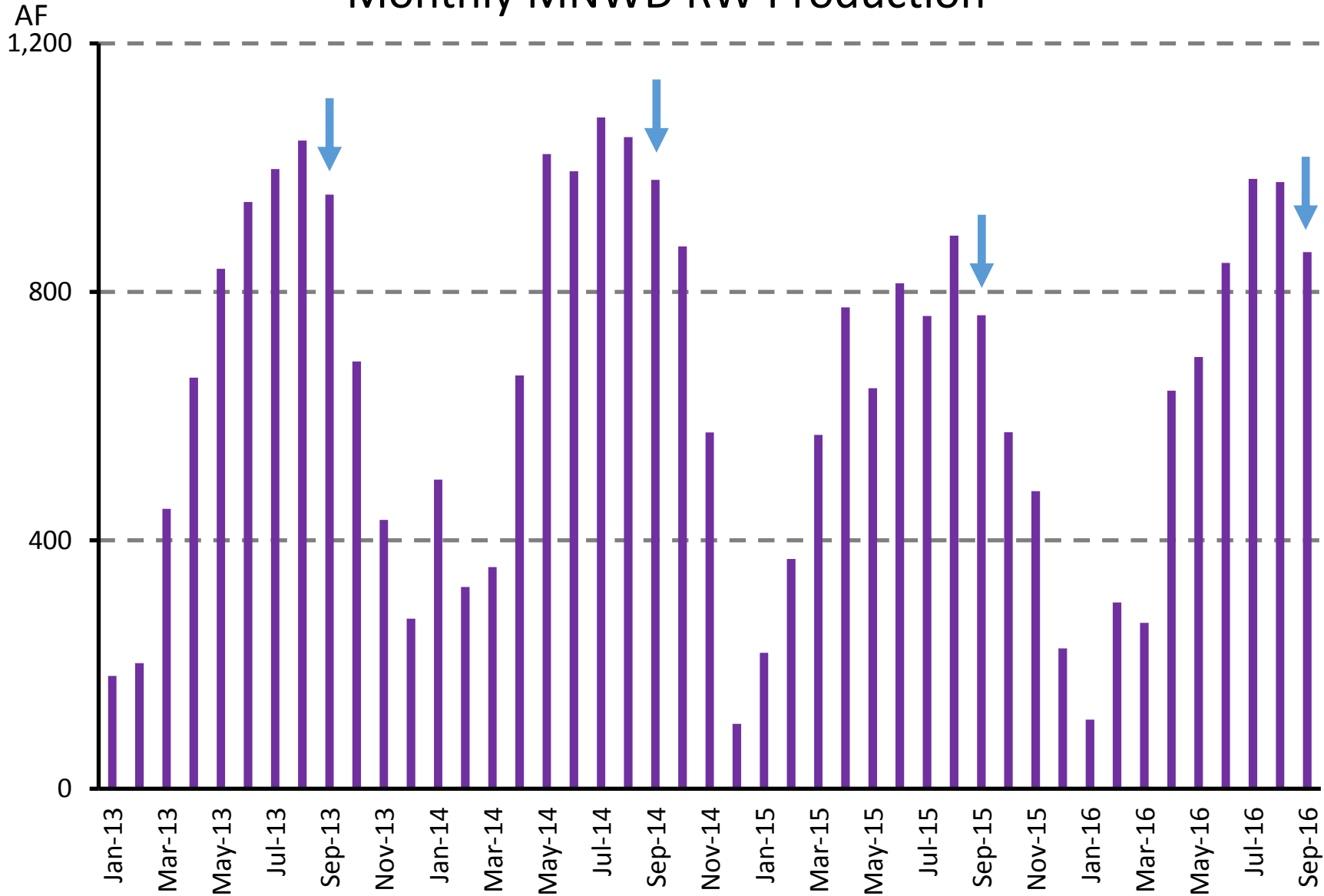


	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16	Apr-16	May-16	Jun-16	Jul-16	Aug-16	Sep-16
Tier 5	1.5%	1.4%	1.1%	1.8%	1.6%	1.4%	4.3%	7.3%	7.0%	9.2%	9.6%	7.5%	5.6%	5.4%	5.0%	7.1%	9.7%	9.9%	10.7%	12.9%
Tier 4	1.4%	1.2%	1.1%	1.7%	1.7%	1.6%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tier 3	3.3%	3.0%	3.0%	3.8%	4.1%	4.3%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Tier 2	23.8%	30.1%	36.1%	39.0%	40.0%	43.8%	41.9%	44.7%	40.4%	39.2%	36.2%	22.9%	26.8%	30.3%	33.7%	38.1%	39.3%	41.6%	44.0%	41.2%
Tier 1	70.0%	64.3%	58.7%	53.7%	52.6%	48.9%	52.6%	48.0%	52.6%	51.6%	54.3%	69.6%	67.6%	64.3%	61.3%	54.8%	51.0%	48.4%	45.2%	45.8%

Tier 1 Tier 2 Tier 3 Tier 4 Tier 5

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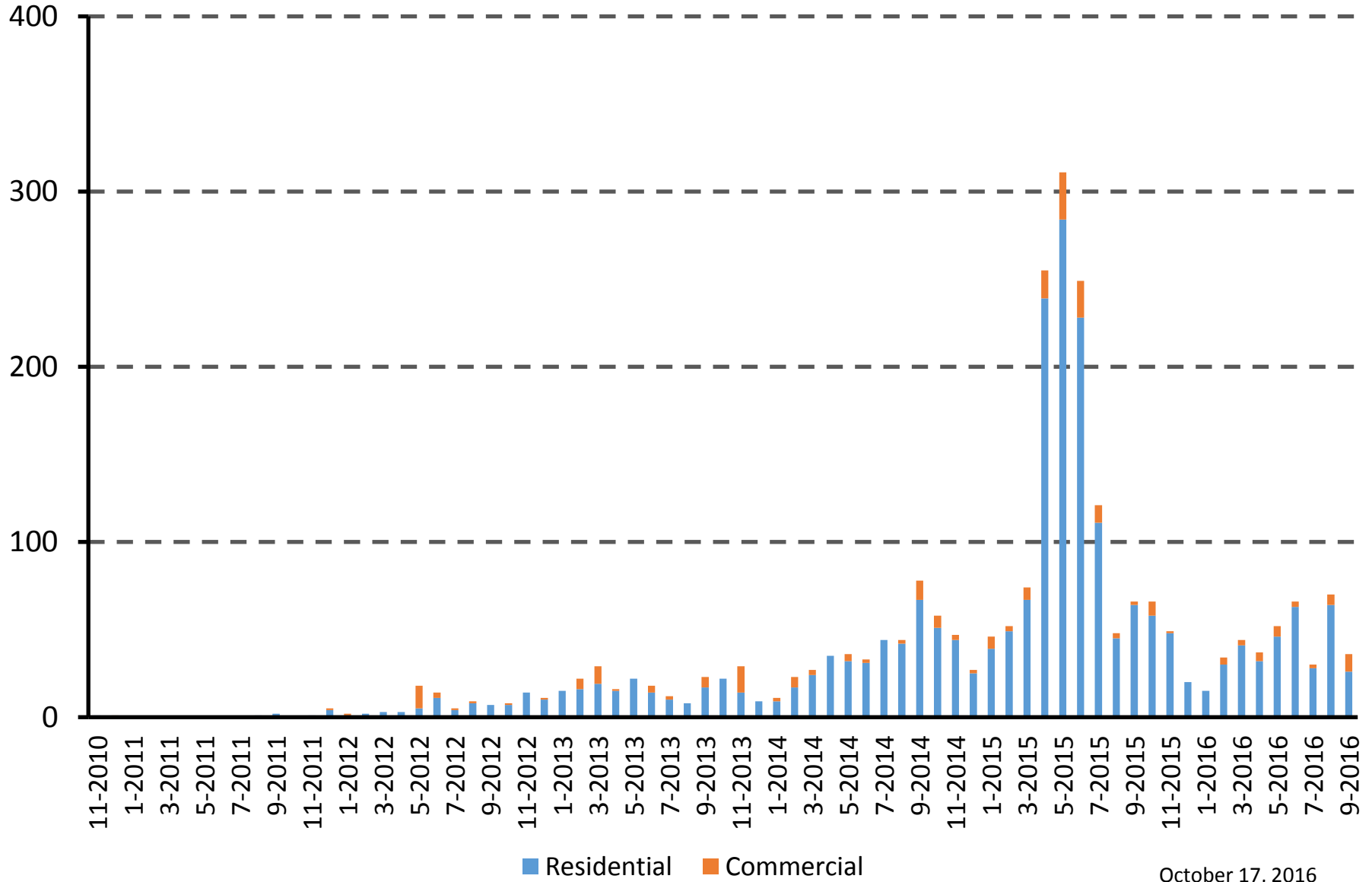
Monthly MNWD RW Production



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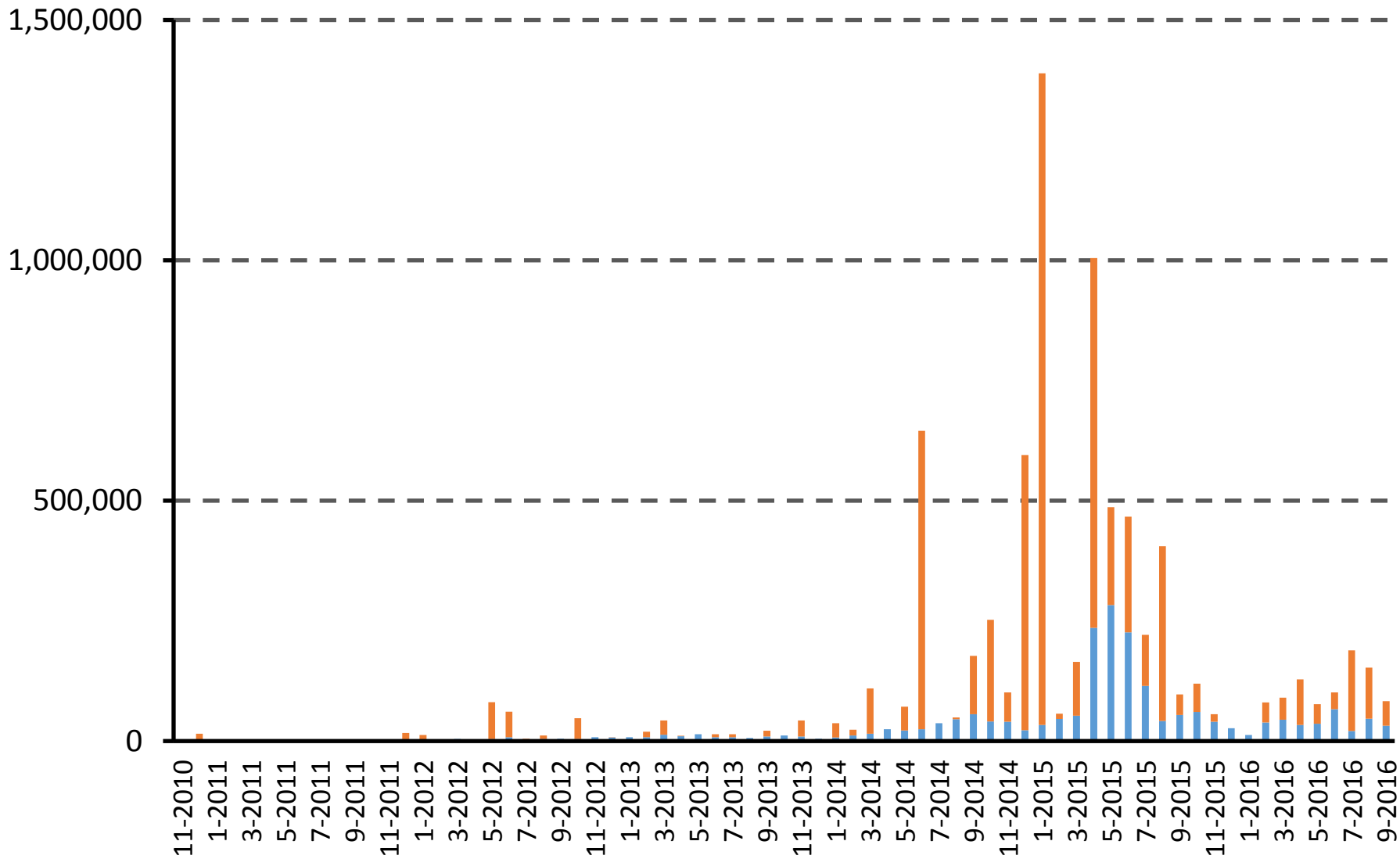
Total Turf Removal Applications by Month

Applications



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Square Feet Total Turf Removal Application Size by Month

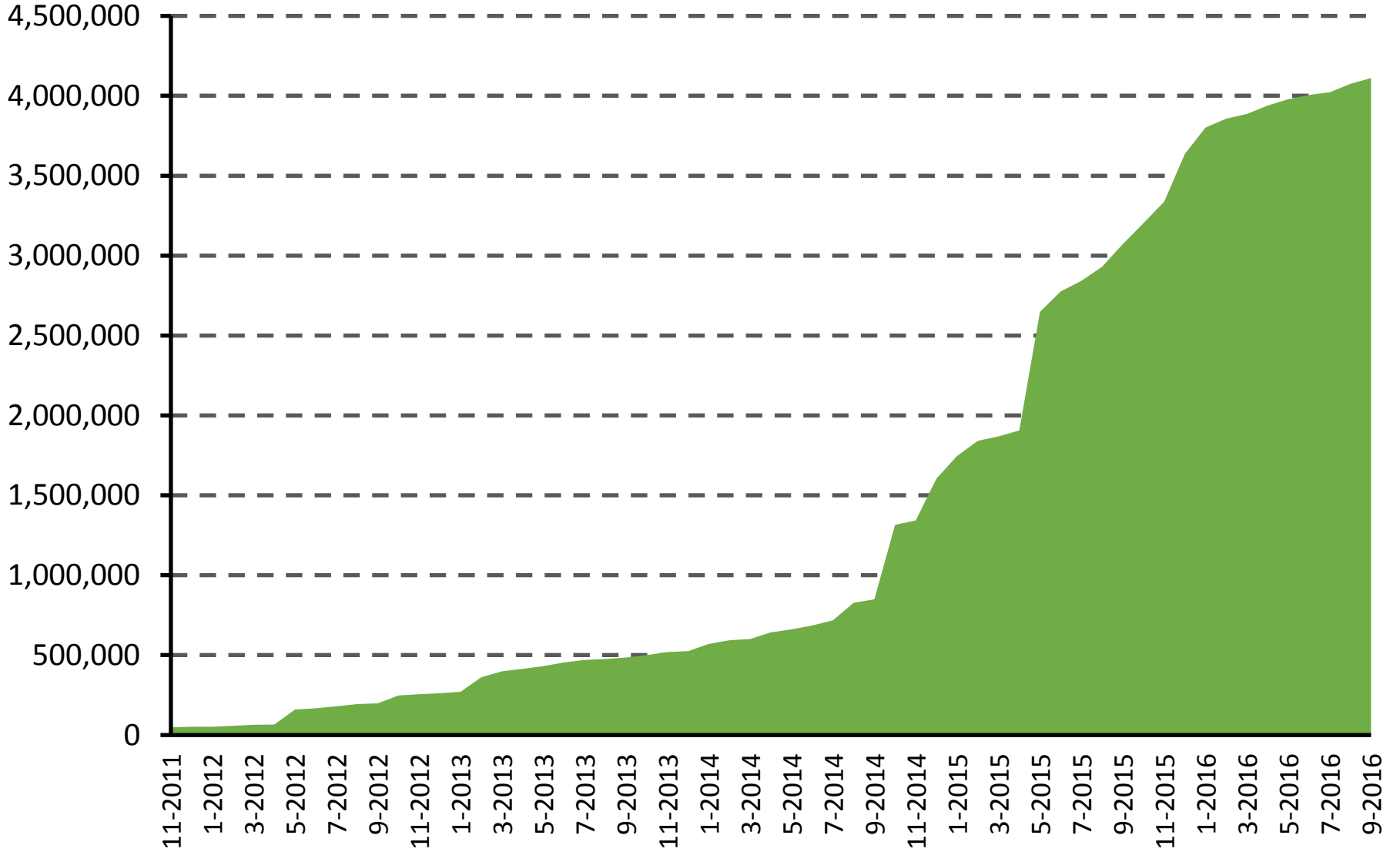


Residential Commercial

October 17, 2016

Square Feet

Total Turf Removed



October 17, 2016