

Moulton Niguel Water District
Water Efficiency Fund - Budget Comparison Report
One Month Ended July 31, 2017

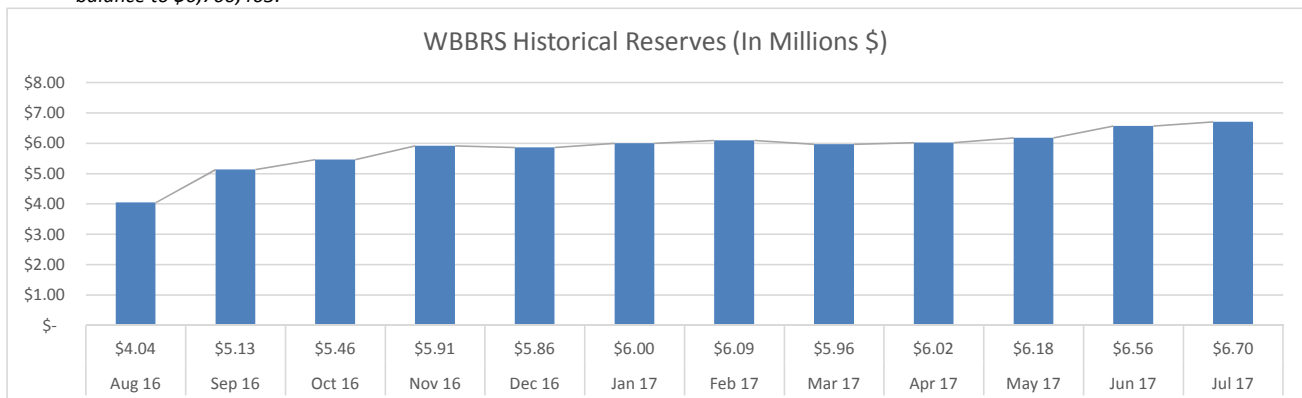
	1	2	=1-2	=2/1	
Description	Approved Budget	Fiscal Year to Date Actuals	Budget Balance	% of Actuals to Budget	
WATER EFFICIENCY FUND					
Projected Operating Revenue					
Water Efficiency	\$ 3,335,112	\$ 213,169	\$ 3,121,943	6%	
A	Projected Total Operating Revenue	3,335,112	213,169	3,121,943	6%
Projected Operating Expenses					
Labor	1,300,574	90,353	1,210,221	7%	
Educational Courses	2,500	-	2,500	0%	
Travel & Meetings	25,200	693	24,507	3%	
Dues & Memberships	500	-	500	0%	
Consulting Services	1,100,000	64,346	1,035,654	6%	
Legal Services	50,000	-	50,000	0%	
Conservation supplies	278,200	-	278,200	0%	
Repairs and Maintenance - Equipment	2,500	-	2,500	0%	
Water Efficiency	2,885,000	257	2,884,743	0%	
B	Projected Total Operating Expenses	5,644,474	155,649	5,488,825	3%
A-B	Projected Operating Income (Loss)	(2,309,362)	57,520	(2,366,882)	-2%
Projected Non-Operating Revenue					
Demand offset fees	50,000	36,078	13,922	n/a	
Investment Income	97,937	25,040	72,897	26%	
C	Projected Total Non-Operating Revenue	147,937	61,118	86,819	41%
A-B+C	Projected Change in Water Efficiency Fund	\$ (2,161,424)	\$ 118,639	\$ (2,280,063)	

Note: Totals may not sum due to rounding.

Water Efficiency Available Net Position³

Description	Approved Budget	Fiscal Year to Date Actuals	Budget Balance
Fund Net Position, Beginning of Year	\$ 7,258,366	\$ 7,258,366	\$ 7,258,366
Projected Change in Water Efficiency Fund	(2,161,424)	118,639	(2,280,063)
Project Commitments		(676,542)	
Fund Net Position, One Month Ended July 31, 2017	\$ 5,096,941	\$ 6,700,463	

3. In addition to realized expenditures, there is approximately \$676,542 in project commitments, reducing the available WBBRS reserve balance to \$6,700,463.



MOULTON NIGUEL WATER DISTRICT
NET POSITION
As of July 31, 2017

	Reserve Target	(Unaudited)		(Unaudited)
		Balance 7/31/2017	Net Change	Balance 6/30/2017
Adopted Reserve Targets ¹				
Designated for Self Insurance Reserve	\$ 250,000	\$ 247,693	\$ 7,712	\$ 239,981
Designated for Rate Stabilization	14,500,430	13,794,311	46,823	13,747,488
Designated for Emergency Reserves	35,300,000	35,300,000	(210,000)	35,510,000
Designated for Operating Reserves ²	16,883,932	17,592,359	(7,627,261)	25,219,620
Total Adopted Reserve Targets	\$ 66,934,362	\$ 66,934,362	\$ (7,782,727)	\$ 74,717,089
	FY Capital Budget ⁴			
Designated for Capital Projects ³				
Designated for Replacement and Refurbishment	\$ 25,140,108	\$ 18,560,026	\$ 5,447,080	\$ 13,112,946
Designated for Water Supply Reliability	350,000	351,192	(3,485,082)	3,836,274
Designated for Planning and Construction	18,957,000	12,355,859	4,062,001	8,293,858
Total Designated for Capital Projects	\$ 44,447,108	\$ 31,267,077	\$ 6,023,999	\$ 25,243,078
Other amounts				
Designated for Water Efficiency (WBBRS) ⁵		\$ 7,377,004	\$ 118,639	\$ 7,258,366
Restricted for Capital Facilities (Projects)		132,964	(158,854)	291,818
Net Investment in Capital Assets ⁶		306,548,135	(724,823)	307,272,958
Total Other amounts		\$ 314,058,103	\$ (765,038)	\$ 314,823,141
Total Net Position		\$ 412,259,542	\$ (2,523,766)	\$ 414,783,308

Note: Totals may not sum due to rounding.

1. Board designated balances represent available cash in that fund.
2. General Operating Reserves include the unrestricted, undesignated balance, and other general District accrued cash flows. This amount includes the remaining total cash balance of \$24,558,084.
3. Balances in the Capital Project Funds represent available and designated cash to fund identified CIP projects.
4. FY 17-18 Budget also includes \$50,000 for capital expenses in Fund 6, bringing the total CIP budget to \$44,497,108.
5. In addition to realized expenditures, there is approximately \$676,542 in project commitments, reducing the available WBBRS reserve balance to \$6,700,463.
6. Net Investment in Capital Assets calculated as follows:

Total capital assets	\$ 394,829,311
Less capital related debt	(88,921,580)
Add deferred charges related to debt	640,404
Total Net Investment in Capital Assets	\$ 306,548,135



moulton niguel water district

Water Shortage Contingency Plan Update

September 20, 2017

Background

- Purpose of WSCP
- Process
 - Analysis of supply shortfall
 - Board action
 - Outreach plan implemented
- Transparency
 - Include in Prop 218
- Capture drought feedback

Success to Date

- State Recognition for Best Practices
 - WBBRS considered “superior” to use restrictions
 - Case Study by DWR in 2015 UWMP Guidebook
- Customers met 20% reduction
 - No limitations on water days
 - Choice on how to use water



Principles

- Greater flexibility
 - More shortage levels and response options
- Target most inefficient usage first
- Improved clarity
- Continue incentives to be efficient

Consistent Approach

- Additional Stages
- Adaptive to annual rate adjustments
- Penalty of approximately \$6 to \$7 per ccf applied to recalculated water budget

Next Steps

Sep 2017

- WSCP Discussion

Oct 2017

- Incorporate Feedback
- Include in Prop. 218 Notice

Early 2018

- Update Ordinance

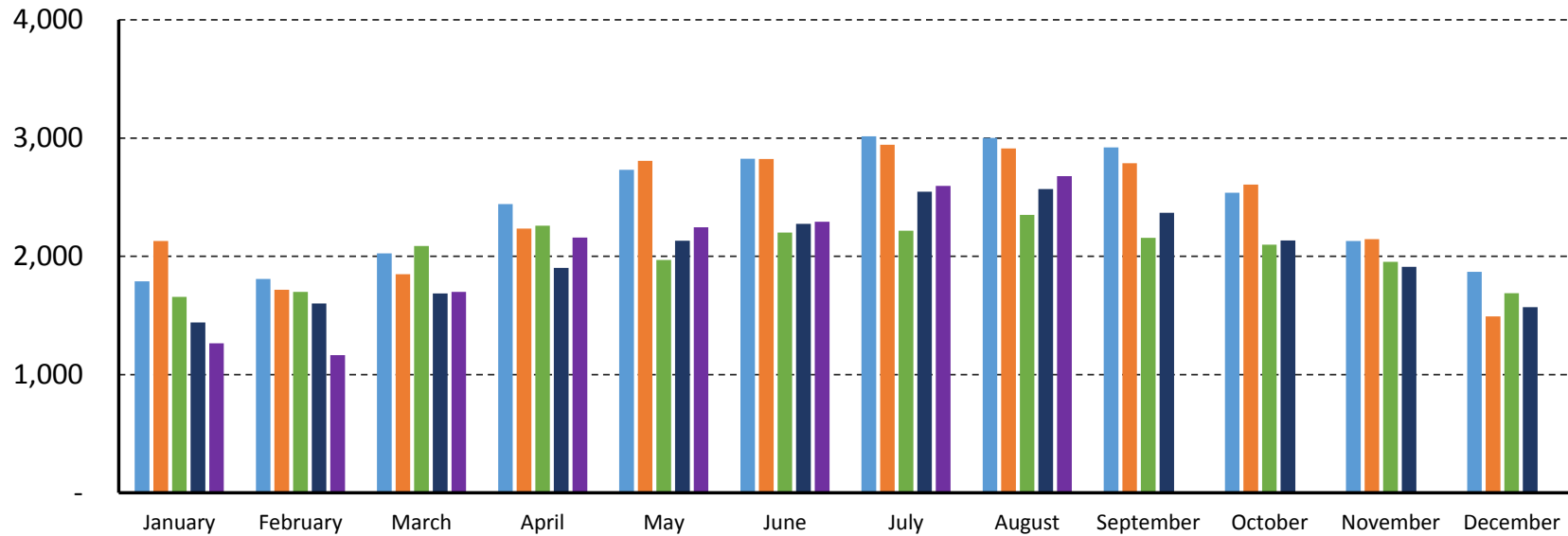
Moulton Niguel Water District
Draft Water Shortage Contingency Plan Update

Proposed	Account Type	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5	Stage 6	Stage 7	Stage 8	Stage 9
		Voluntary Reductions	Required Actions	Required Actions	Required Actions	Required Actions	Required Actions	Required Actions	Required Actions	Required Actions
	Residential Single & Multi-Family	Stay within budget	Stay within Tier 3 or pay penalty	Stay within budget or pay penalty	Reduce outdoor water budget by 20% No adjustments to bills	Reduce outdoor water budget by 40% No adjustments to bills	Reduce outdoor water budget by 60% No adjustments to bills	Reduce outdoor water budget by 80% No adjustments to bills	Reduce outdoor water budget by 100% No adjustments to bills	Reduce indoor daily per person allocation to 40 gpd No adjustments to bills
	Commercial	Stay within budget	Stay within Tier 2 or pay penalty	Stay within budget or pay penalty	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustments to bills
	Outdoor Potable Irrigation	Stay within budget	Stay within Tier 2 or pay penalty	Stay within budget or pay penalty	Reduce outdoor water budget by 20% No adjustment to bills	Reduce outdoor water budget by 40% No adjustment to bills	Reduce outdoor water budget by 60% No adjustment to bills	Reduce outdoor water budget by 80% No adjustment to bills	Reduce outdoor water budget by 100% No adjustment to bills	Reduce outdoor water budget by 100% No adjustment to bills
Recycled Water	Stay within budget	Stay within Tier 2 or pay penalty No potable water for outdoor irrigation (i.e. golf courses)	Stay within budget or pay penalty	Stay within budget or pay penalty No adjustment to bills	Reduce outdoor water budget by 10% No adjustment to bills	Reduce outdoor water budget by 15% No adjustment to bills	Reduce outdoor water budget by 20% No adjustment to bills	Reduce outdoor water budget by 25% No adjustment to bills	Reduce outdoor water budget by 30% No adjustment to bills	

Current	Account Type	Stage 1	Stage 2	Stage 3	Stage 4	Stage 5
		Voluntary Reductions	Required Actions	Required Actions	Required Actions	Required Actions
	Residential Single & Multi-Family	Stay within budget No adjustments to bills for pool fills	Stay within budget or pay penalty No adjustments to bills	Reduce outdoor water budget by 40% No adjustments to bills	Reduce outdoor water budget by 70% No adjustments to bills	Reduce indoor daily per person allocation to 40 gpd No outdoor water use No adjustments to bills
	Commercial	Stay within budget No adjustments to bills for pool fills	Stay within budget or pay penalty No adjustments to bills	Stay within budget or pay penalty No adjustment to bills	Stay within budget or pay penalty No adjustment to bills	Stay within budget or pay penalty No adjustment to bills
	Outdoor Potable Irrigation	Stay within budget	Stay within budget or pay penalty No adjustments to bills	Reduce outdoor water budget by 40% No adjustments to bills	Reduce outdoor water budget by 70% No adjustments to bills	Reduce outdoor water budget by 100% No adjustments to bills
Recycled Water	Stay within budget No potable water for outdoor irrigation (i.e. golf courses)	Stay within budget or pay penalty No adjustments to bills	Reduce outdoor water budget by 10% No adjustments to bills	Reduce outdoor water budget by 20% No adjustments to bills	Reduce outdoor water budget by 30% No adjustments to bills	

- Process to implement the Water Shortage Contingency Plan
1. Trigger examples- water supply shortage, system outage, state mandate
 2. Staff analyze and bring recommendation to Board
 3. Board action to implement Water Shortage Contingency Plan
 4. Implement Public communication and customer assistance

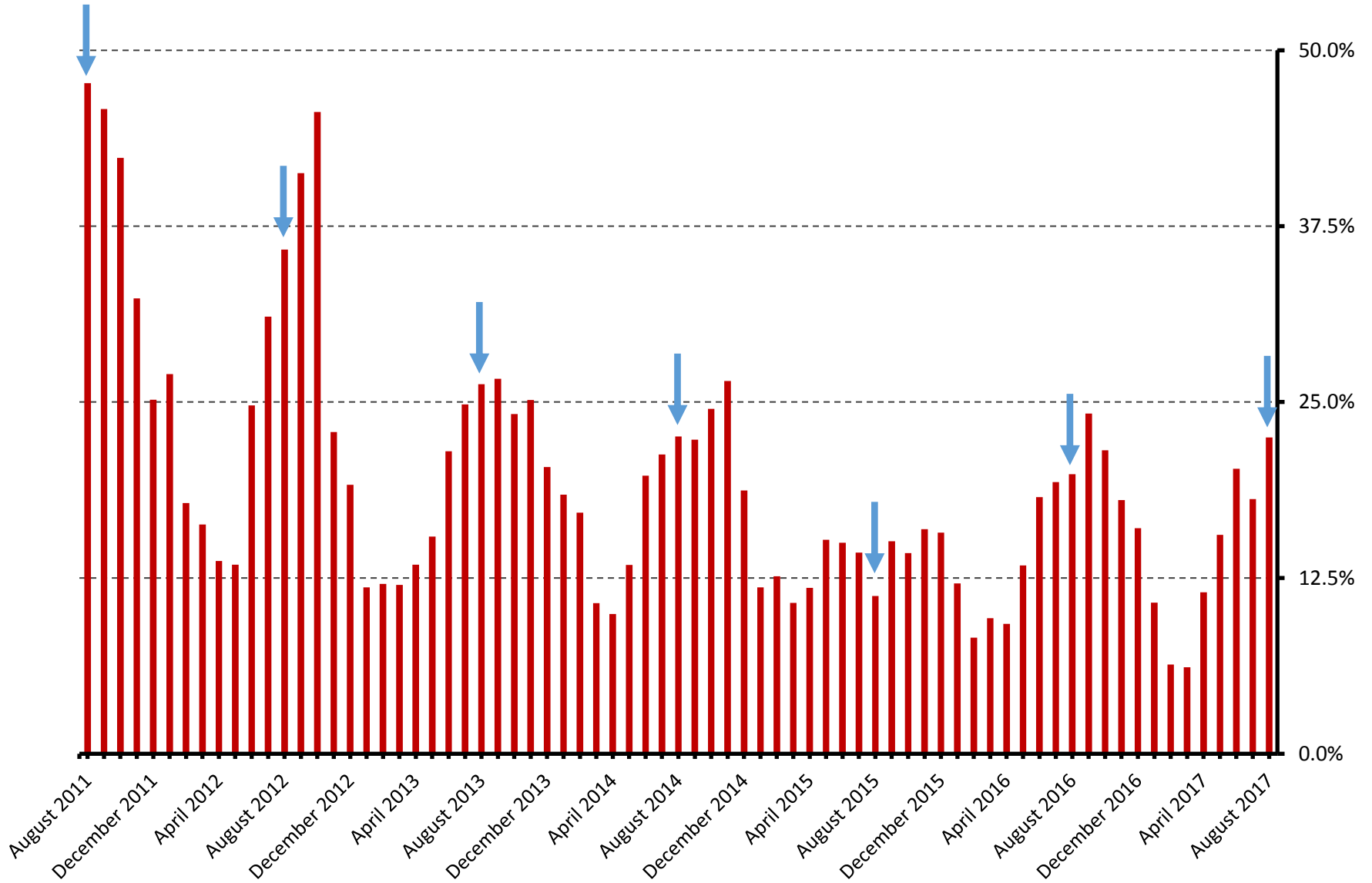
AF Historical Monthly MNWD Water Purchases & Evapotranspiration



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	3.23	2.75	1.89	
2017	1.96	1.75	4.24	5.17	4.7	5.24	6.36	6.18					

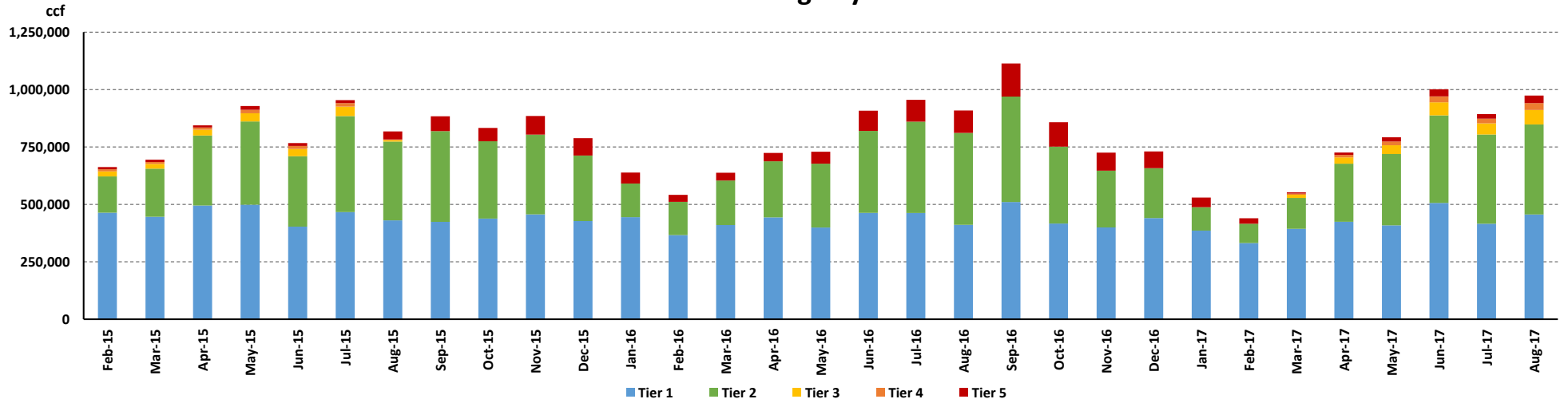
September 20, 2017

Single Family Residential Accounts Above Tier 2



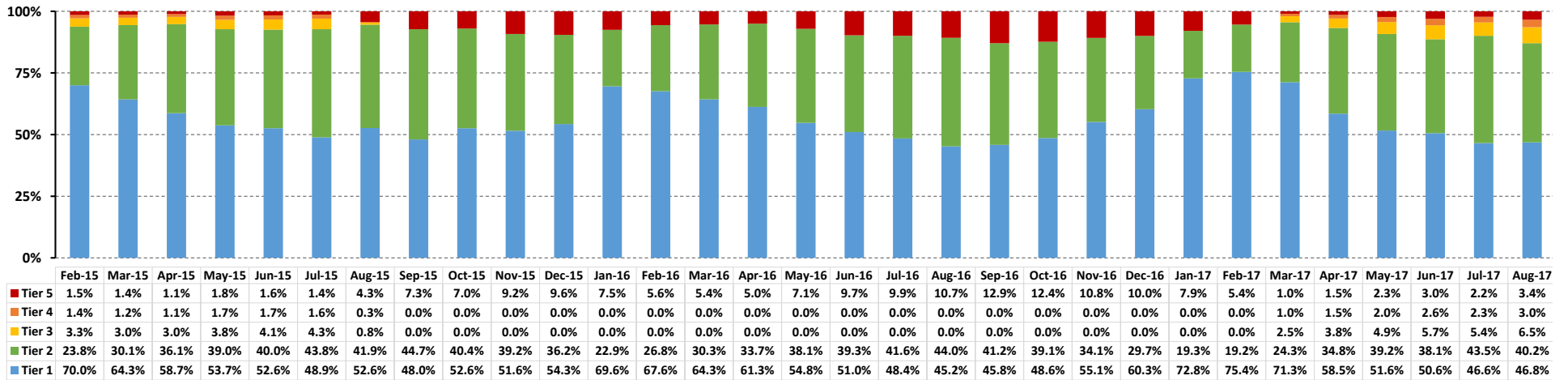
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Potable Usage by Tier



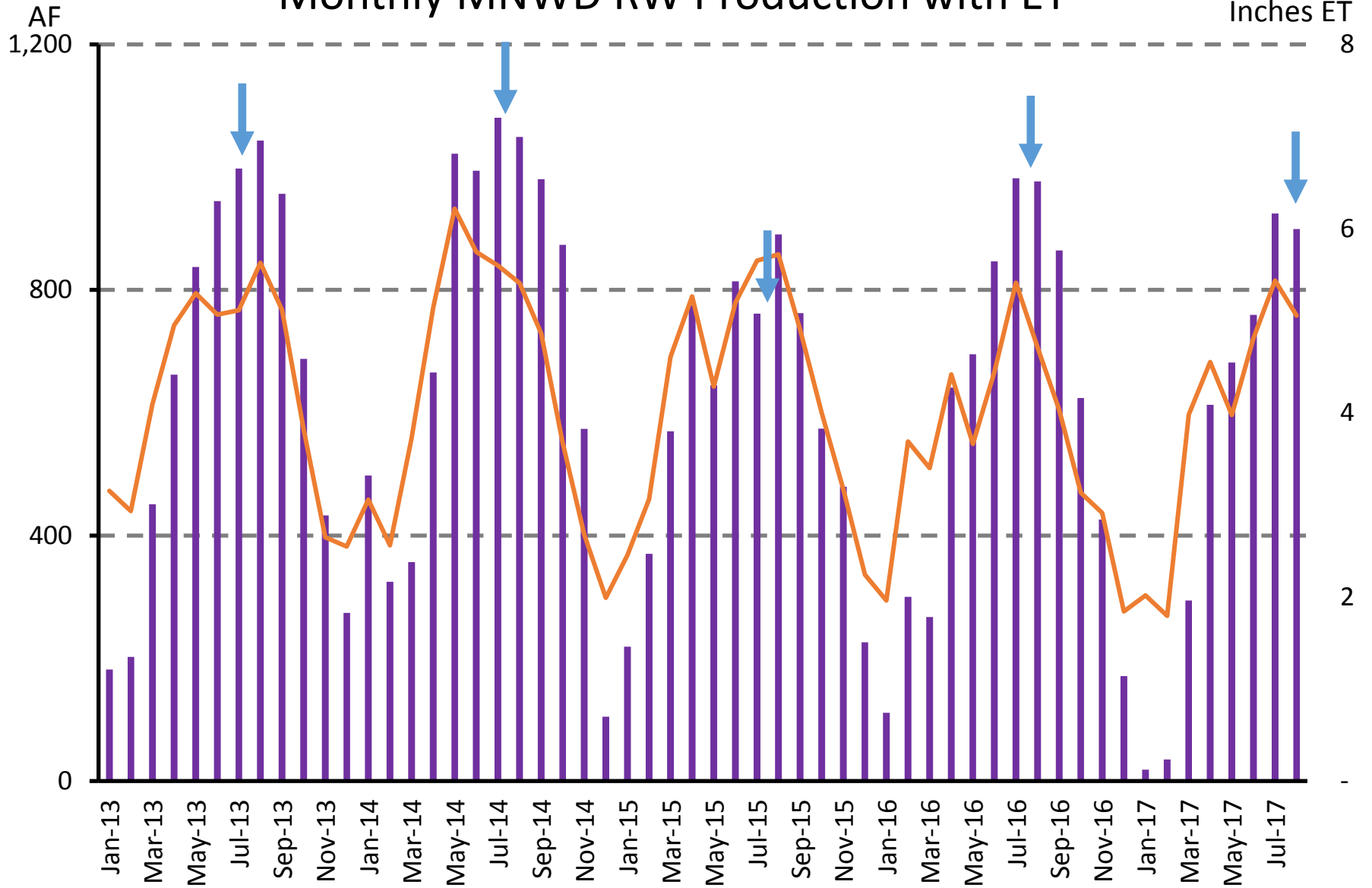
AF in Tier 3, 4, 5	94	89	101	154	131	159	102	148	134	187	173	110	70	78	83	119	202	218	224	331	243	180	167	96	54	56	112	167	260	204	289
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Percent Potable Usage by Tier



Tier 1 Tier 2 Tier 3 Tier 4 Tier 5

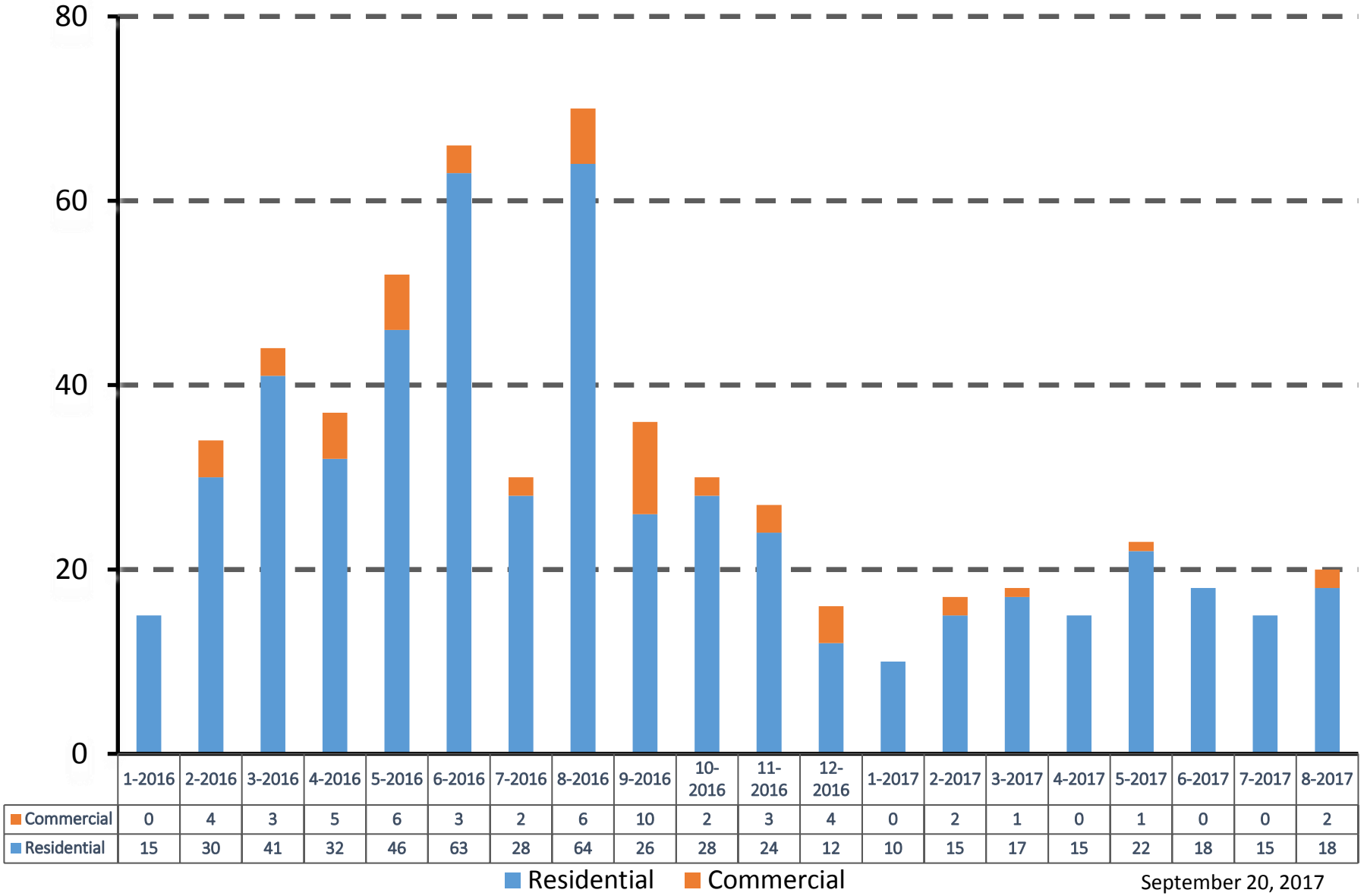
Monthly MNWD RW Production with ET



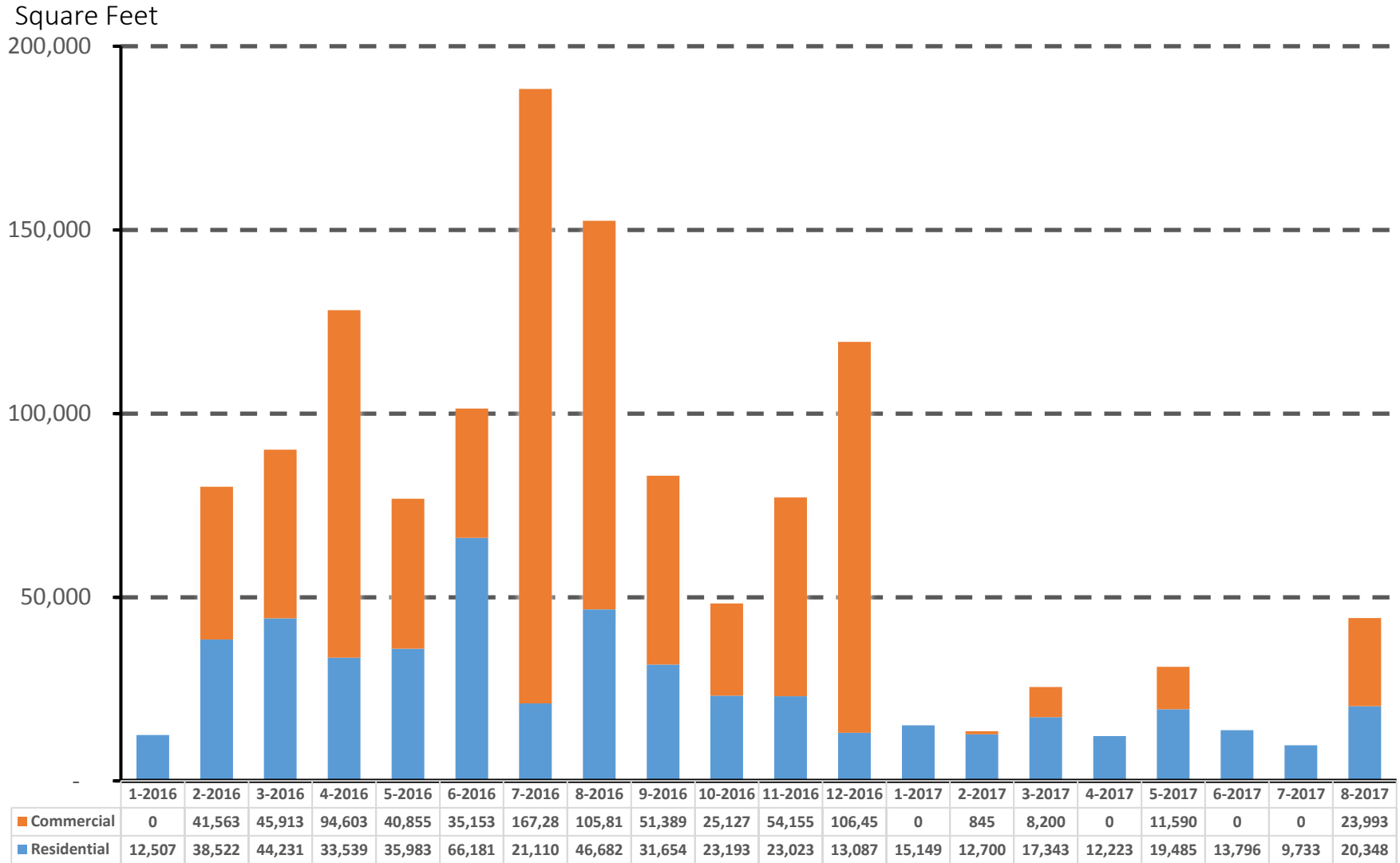
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Total Turf Removal Applications by Month

Applications

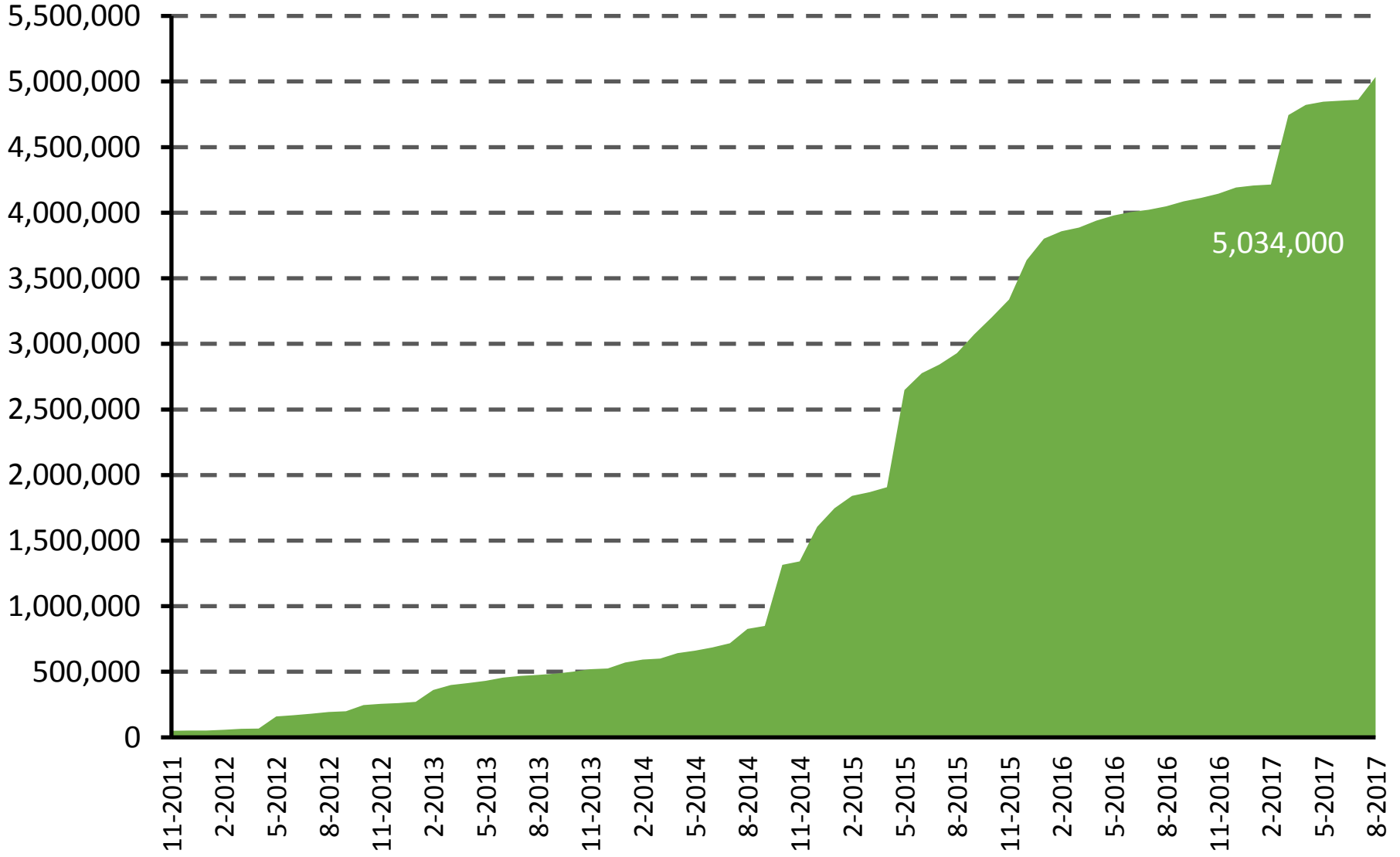


Total Turf Removal Application Size by Month



Square Feet

Total Turf Removed



September 20, 2017