

# WATER ALLOCATION



Originally Presented On:  
October 19, 2015

April 25, 2016

CURRENT WATER ALLOCATION

	Residential Category	Sq Ft	Sq Ft	# of Homes	Allocation per Month per Category
1	RESA	-	2,455	917	6
2	RESB	2,456	4,955	683	13
3	RESC	4,956	7,455	1,378	15
4	RESD	7,456	9,955	771	20
5	RESE	9,956	> 9,956	578	32

# SCENARIO 1

## Five Residential Categories

- 7 Units of water to Residential category A (RESA)
- 5 Residential categories divided in 2,500 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% and 3% contingency
- Residential E (RESE) - lot size is capped at 12,455 Sq. Ft.

## Ten Residential Categories

- 7 Units of water to Residential category A (RESA)
- 10 Residential categories divided in 978 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% and 3% contingency
- Residential J (RESJ) - lot size is capped at 11,266 Sq. Ft.



Scenario 1 - Five Categories, Linear, RES A-7 Units, 3% Contingency, Based strictly on Square Footage									
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per mo	Allocation per Month per Category
1	RESA	-	2,455	1,228	917				7
2	RESB	2,456	4,955	3,706	683	2,530,857	56,911	6,323.41	9
3	RESC	4,956	7,455	6,206	1,378	8,551,179	192,288	21,365.34	16
4	RESD	7,456	9,955	8,706	771	6,711,941	150,930	16,769.95	22
5	RESE	9,956	12,455	11,206	578	6,476,779	145,642	16,182.40	28
	TOTAL				4,327	24,270,755	545,770		
						<b>HCF Allocation per Sq Ft</b>	<b>0.022</b>		

Scenario 1 - Ten Categories, Linear, RES A-7 Units, 3% Contingency, Based strictly on Square Footage									
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Total Sq Ft by Category based on Average Sq Ft	Total Allocation by category for 9 mos.	Remaining Allocation per mo	Allocation per Month per Category
1	RESA	-	2,455	1,228	917				7
2	RESB	2,456	3,434	2,945	148	435,860	9,867	1,096	7
3	RESC	3,435	4,413	3,924	331	1,298,844	29,402	3,267	10
4	RESD	4,414	5,392	4,903	386	1,892,558	42,842	4,760	12
5	RESE	5,393	6,371	5,882	481	2,829,242	64,045	7,116	15
6	RESF	6,372	7,350	6,861	615	4,219,515	95,517	10,613	17
7	RESG	7,351	8,329	7,840	556	4,359,040	98,675	10,964	20
8	RESH	8,330	9,308	8,819	211	1,860,809	42,123	4,680	22
9	RESI	9,309	10,287	9,798	139	1,361,922	30,830	3,426	25
10	RESJ	10,288	11,266	10,777	543	5,851,911	132,469	14,719	27
	TOTAL				4,327	24,109,701	545,770		
						<b>HCF Allocation per Sq Ft</b>	<b>0.023</b>		

# SCENARIO 2

## Five Residential Categories

- All residential categories baseline allocation is 10.5 HCF
  - Assumes 3.5 occupants per dwelling unit using 75 gallons of water each day.
- 5 Residential categories divided in 2,500 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% and 3% contingency
- Residential E (RESE) - lot size is capped at 12,455 Sq. Ft.

## Ten Residential Categories

- All residential categories baseline allocation is 10.5 HCF
  - Assumes 3.5 occupants per dwelling unit using 75 gallos of water each day.
- 10 Residential categories divided in 978 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% and 3% contingency
- Residential J (RESJ) - lot size is capped at 11,266 Sq. Ft.

Scenario 2 - Five Categories, Linear, 1.5% Contingency, 11 HCF-Based strictly on Square Footage												
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Fixed Allocation (HCF)	Fixed Allocation 11 HCF	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per month	Additional Allocation per Month per Category	Total Allocation
1	RESA	-	2,455	1,228	917	11	10,087					11
2	RESB	2,456	4,955	3,706	683	11	7,513	2,530,857	19,093	2,121.44	3	14
3	RESC	4,956	7,455	6,206	1,378	11	15,158	8,551,179	64,511	7,167.84	5	16
4	RESD	7,456	9,955	8,706	771	11	8,481	6,711,941	50,635	5,626.14	7	18
5	RESE	9,956	12,455	11,206	578	11	6,358	6,476,779	48,861	5,429.02	9	20
					4,327		37,510	24,270,755	183,100			
				Total Fixed Allocation			337,590					
						HCF Allocation per Sq Ft			0.008			
Scenario 2 - Ten Categories, Linear, 1.5% Contingency, 11 HCF-Based strictly on Square Footage												
							11.0					
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Fixed Allocation (HCF)	Fixed Allocation 11 HCF	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per month	Additional Allocation per Month per Category	Total Allocation
1	RESA	-	2,455	1,228	917	11	10,087	1,125,618				11
2	RESB	2,456	3,434	2,945	148	11	1,628	435,860	3,310	368	2	13
3	RESC	3,435	4,413	3,924	331	11	3,641	1,298,844	9,864	1,096	3	14
4	RESD	4,414	5,392	4,903	386	11	4,246	1,892,558	14,373	1,597	4	15
5	RESE	5,393	6,371	5,882	481	11	5,291	2,829,242	21,487	2,387	5	16
6	RESF	6,372	7,350	6,861	615	11	6,765	4,219,515	32,045	3,561	6	17
7	RESG	7,351	8,329	7,840	556	11	6,116	4,359,040	33,105	3,678	7	18
8	RESH	8,330	9,308	8,819	211	11	2,321	1,860,809	14,132	1,570	7	18
9	RESI	9,309	10,287	9,798	139	11	1,529	1,361,922	10,343	1,149	8	19
10	RESJ	10,288	11,266	10,777	543	11	5,973	5,851,911	44,442	4,938	9	20
					4,327		37,510	24,109,701	183,100			
				Total Fixed Allocation			337,590					
						HCF Allocation per Sq Ft			0.008			

Scenario 2 - Five Categories, Linear, 3% Contingency, 11 HCF-Based strictly on Square Footage												
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Fixed Allocation	Fixed Allocation 11 HCF	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per month	Additional Allocation per Month per Category	Total Allocation
1	RESA	-	2,455	1,228	917	11	10,087					11
2	RESB	2,456	4,955	3,706	683	11	7,513	2,530,857	18,116	2,012.85	3	14
3	RESC	4,956	7,455	6,206	1,378	11	15,158	8,551,179	61,209	6,800.95	5	16
4	RESD	7,456	9,955	8,706	771	11	8,481	6,711,941	48,043	5,338.16	7	18
5	RESE	9,956	12,455	11,206	578	11	6,358	6,476,779	46,360	5,151.13	9	20
					4,327			37,510		24,270,755		173,728
					Total Fixed Allocation			337,590				
							HCF Allocation per Sq Ft			0.007		
Scenario 2 - Ten Categories, Linear, 3% Contingency, 11 HCF-Based strictly on Square Footage												
	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Fixed Allocation (HCF)	Fixed Allocation 11 HCF	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per month	Additional Allocation per Month per Category	Total Allocation
1	RESA	-	2,455	1,228	917	11	10,087	1,125,618				11
2	RESB	2,456	3,434	2,945	148	11	1,628	435,860	3,141	349	2	13
3	RESC	3,435	4,413	3,924	331	11	3,641	1,298,844	9,359	1,040	3	14
4	RESD	4,414	5,392	4,903	386	11	4,246	1,892,558	13,637	1,515	4	15
5	RESE	5,393	6,371	5,882	481	11	5,291	2,829,242	20,387	2,265	5	16
6	RESF	6,372	7,350	6,861	615	11	6,765	4,219,515	30,405	3,378	5	16
7	RESG	7,351	8,329	7,840	556	11	6,116	4,359,040	31,410	3,490	6	17
8	RESH	8,330	9,308	8,819	211	11	2,321	1,860,809	13,408	1,490	7	18
9	RESI	9,309	10,287	9,798	139	11	1,529	1,361,922	9,814	1,090	8	19
10	RESJ	10,288	11,266	10,777	543	11	5,973	5,851,911	42,167	4,685	9	20
					4,327			37,510		24,109,701		173,728
					Total Fixed Allocation			337,590				
							HCF Allocation per Sq Ft			0.007		



# SCENARIO 3

## Five Residential Categories

- 7 Units of water to Residential category A (RESA)
- 5 Residential categories divided in 2,500 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% contingency
- Residential E (RESE) - water allocation based on average square footage ranging from 10,280 - 47,045 Sq. Ft. (Average=28,501 Sq. Ft.)

## Ten Residential Categories

- 7 Units of water to Residential category A (RESA)
- 10 Residential categories divided in 978 Sq. Ft. increments
- Water allocation for residential categories is based on average Sq. Ft. for each category on a linear basis except for RESA
- 1.5% contingency
- Residential J (RESJ) - water allocation based on average square footage ranging from 10,280 - 47,045 Sq. Ft. (Average=28,667 Sq. Ft.)

Scenario 3 - Five Categories, Linear, RES A-7 Units, 1.5% Contingency, Based strictly on Square Footage up to the highest SQ FT (47,045)

	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Total Sq Ft by Category based on Average Sq Ft	Remaining Allocation-9 Mos.	Remaining Allocation per mo	Allocation per Month per Category
1	RESA	-	2,455	1,228	917	-	-	-	7
2	RESB	2,456	4,955	3,706	683	2,530,857	41,001	4,555.64	7
3	RESC	4,956	7,455	6,206	1,378	8,551,179	138,532	15,392.46	11
4	RESD	7,456	9,955	8,706	771	6,711,941	108,736	12,081.76	16
5	RESE	9,956	47,045	28,501	578	16,473,289	266,873	29,652.57	51
					4,327	34,267,265	555,142		

HCF Allocation per Sq Ft 0.016

Scenario 3 - Ten Categories, Linear, RES A-7 Units, 1.5% Contingency, Based strictly on Square Footage up to the highest SQ FT (47,045)

	Residential Category	Sq Ft	Sq Ft	Average Sq Ft	# of Homes	Total Sq Ft by Category based on Average Sq Ft	Total Allocation by category for 9 mos.	Remaining Allocation per mo	Allocation per Month per Category
1	RESA	-	2,455	1,228	917	-	-	-	7
2	RESB	2,456	3,434	2,945	148	435,860	7,154	795	5
3	RESC	3,435	4,413	3,924	331	1,298,844	21,318	2,369	7
4	RESD	4,414	5,392	4,903	386	1,892,558	31,062	3,451	9
5	RESE	5,393	6,371	5,882	481	2,829,242	46,436	5,160	11
6	RESF	6,372	7,350	6,861	615	4,219,515	69,254	7,695	13
7	RESG	7,351	8,329	7,840	556	4,359,040	71,544	7,949	14
8	RESH	8,330	9,308	8,819	211	1,860,809	30,541	3,393	16
9	RESI	9,309	10,287	9,798	139	1,361,922	22,353	2,484	18
10	RESJ	10,288	47,045	28,667	543	15,565,910	255,480	28,387	52
					4,327	33,823,700	555,142		

HCF Allocation per Sq Ft 0.016

SUMMARY

	Residential Category	# of Homes	Sq Ft	Sq Ft	Current	Sq Ft	Sq Ft	Scenario 1 RESA (7 HCF), 1.5% Contingency	Scenario 1 RESA (7 HCF), 3% Contingency	Scenario 2 RESA (11 HCF), 1.5% Contingency	Scenario 2 RESA (10.5 HCF), 3% Contingency	Sq Ft	Sq Ft	Scenario 3 RESA (7 HCF), 1.5% Contingency, Highest SQ FT
1	RESA	917	-	2,455	6	-	2,455	7	7	11	11	-	2,455	7
2	RESB	683	2,456	4,955	13	2,456	4,955	9	9	14	14	2,456	4,955	7
3	RESC	1,378	4,956	7,455	15	4,956	7,455	16	16	16	16	4,956	7,455	11
4	RESD	771	7,456	9,955	20	7,456	9,955	22	22	18	18	7,456	9,955	16
5	RESE	578	9,956	> 9,956	32	9,956	12,455	28	28	20	20	9,956	47,045	51

	Residential Category	# of Homes	Sq Ft	Sq Ft	Current	Sq Ft	Sq Ft	Scenario 1 RESA (7 HCF), 1.5% Contingency	Scenario 1 RESA (7 HCF), 3% Contingency	Scenario 2 RESA (11 HCF), 1.5% Contingency	Scenario 2 RESA (10.5 HCF), 3% Contingency	Sq Ft	Sq Ft	Scenario 3 RESA (7 HCF), 1.5% Contingency, Highest SQ FT
1	RESA	917	-	-	-	-	2,455	7	7	11	11	-	2,455	7
2	RESB	148	-	-	-	2,456	3,434	8	7	13	13	2,456	3,434	5
3	RESC	331	-	-	-	3,435	4,413	10	10	14	14	3,435	4,413	7
4	RESD	386	-	-	-	4,414	5,392	13	12	15	15	4,414	5,392	9
5	RESE	481	-	-	-	5,393	6,371	15	15	16	16	5,393	6,371	11
6	RESF	615	-	-	-	6,372	7,350	18	17	17	16	6,372	7,350	13
7	RESG	556	-	-	-	7,351	8,329	20	20	18	17	7,351	8,329	14
8	RESH	211	-	-	-	8,330	9,308	23	22	18	18	8,330	9,308	16
9	RESI	139	-	-	-	9,309	10,287	25	25	19	19	9,309	10,287	18
10	RESJ	543	-	-	-	10,288	11,266	28	27	20	20	10,288	47,045	52