



# **Grizzly Flats CSD Water Rate Study 2016**



## **Water Tables April 21st, 2016**



**BARTLE WELLS ASSOCIATES**  
Independent Public Finance Advisors

**Table 1**  
**Grizzly Flats CSD**  
**Operating Expenses**

	Historical Actuals					Budget (Reduced by 5%)	Projected				
	2011/12	2012/13	2013/14	Est. 2014/15	2015/16	Escalation %	2016/17	2017/18	2018/19	2019/20	2020/21
<b>Personnel Expenses</b>											
<b>Salaries</b>											
Field Staff	\$114,852	\$123,139	\$140,049	\$133,860	\$146,281	District <sup>1</sup>	\$156,655	\$162,407	\$168,397	\$174,634	\$179,529
Admin Staff	47,917	69,097	67,909	65,895	76,000	District <sup>1</sup>	83,472	86,688	90,033	93,504	96,362
Overtime	3,397	2,157	1,371	700	2,850	District <sup>1</sup>	2,850	2,850	2,850	2,850	2,850
On Call / Standby Pay	12,034	13,029	12,514	11,897	11,856	District <sup>1</sup>	11,856	11,856	11,856	11,856	11,856
Holiday Pay	8,753	7,790	8,591	9,353	9,272	District <sup>1</sup>	10,170	10,564	10,977	11,405	11,749
Subtotal Salaries	\$186,953	\$215,212	\$230,434	\$221,705	\$246,259		\$265,003	\$274,365	\$284,114	\$294,248	\$302,346
Percent Change		15.1%	7.1%	-3.8%	11.1%		7.6%	3.5%	3.6%	3.6%	2.8%
<b>Payroll Taxes &amp; Workers Comp</b>											
Payroll Tax Expense	\$16,650	\$17,996	\$20,000	\$16,972	\$17,813	District <sup>1</sup>	\$19,513	\$20,226	\$20,973	\$21,748	\$22,368
CA SUI-Employer Share	2,170	2,386	2,389	1,820	2,850	District <sup>1</sup>	2,850	2,850	2,850	2,850	2,850
Workers Comp Ins	7,027	9,429	11,794	17,315	10,450	District <sup>1</sup>	9,500	9,690	9,884	10,081	10,283
Subtotal Payroll	\$25,847	\$29,812	\$34,183	\$36,107	\$31,113		\$31,863	\$32,766	\$33,707	\$34,680	\$35,501
Percent Change		15.3%	14.7%	5.6%	-13.8%		2.4%	2.8%	2.9%	2.9%	2.4%
<b>Benefits</b>											
Deferred Comp-Employer's Contribution	\$3,540	\$2,543	\$2,657	\$2,448	\$5,700	District <sup>1</sup>	\$3,325	\$3,800	\$4,275	\$4,750	\$5,225
HRA Medical	29,198	24,760	30,233	29,633	37,050	District <sup>1</sup>	39,900	42,750	45,600	48,450	51,300
Life Insurance	299	125	287	234	222	District <sup>1</sup>	238	238	285	285	285
Subtotal Benefits	\$33,037	\$27,428	\$33,177	\$32,315	\$42,972		\$43,463	\$46,788	\$50,160	\$53,485	\$56,810
Percent Change		-17.0%	21.0%	-2.6%	33.0%		1.1%	7.7%	7.2%	6.6%	6.2%
<b>Total Personnel Expenses</b>	<b>\$245,837</b>	<b>\$272,452</b>	<b>\$297,794</b>	<b>\$290,127</b>	<b>\$320,344</b>		<b>\$340,328</b>	<b>\$353,918</b>	<b>\$367,981</b>	<b>\$382,413</b>	<b>\$394,657</b>
Percent Change		10.8%	9.3%	-2.6%	10.4%		6.2%	4.0%	4.0%	3.9%	3.2%
<b>Operations &amp; Utilities</b>											
Alarm Service	\$480	\$612	\$369	\$492	\$475	0.0%	\$475	\$475	\$475	\$475	\$475
Communications	3,206	3,801	4,035	3,445	3,420	1.6%	3,476	3,532	3,590	3,649	3,708
Equipment Rentals	-	-	-	-	238	3.0%	245	252	260	267	275
Fire & Safety Supplies	113	345	981	1,148	950	3.0%	979	1,008	1,038	1,069	1,101
Fuel Purchases	7,534	5,849	6,082	5,110	5,700	1.5%	5,786	5,872	5,960	6,050	6,141
Power	6,056	7,256	6,359	5,140	5,700	0.0%	5,700	5,700	5,700	5,700	5,700
Propane	2,667	2,398	2,060	1,073	1,900	0.0%	1,900	1,900	1,900	1,900	1,900
Trash Disposal	217	221	227	413	333	3.0%	342	353	363	374	385
Website	930	937	135	135	475	0.0%	475	475	475	475	475
Total Operations & Utilities	\$21,203	\$21,419	\$20,247	\$16,956	\$19,190		\$19,377	\$19,567	\$19,761	\$19,959	\$20,161
Percent Change		1.0%	-5.5%	-16.3%	13.2%		1.0%	1.0%	1.0%	1.0%	1.0%
<b>Water Treatment</b>											
Chemicals	\$2,775	\$2,905	\$1,483	\$1,270	\$1,900	2.0%	\$1,938	\$1,977	\$2,016	\$2,057	\$2,098
Equip & Supplies	2,175	995	1,053	1,300	1,900	2.0%	1,938	1,977	2,016	2,057	2,098
Testing & Lab Reports	6,436	6,203	6,495	4,990	5,225	2.0%	5,330	5,436	5,545	5,656	5,769
Total Water Treatment	\$11,386	\$10,103	\$9,031	\$7,560	\$9,025		\$9,206	\$9,390	\$9,577	\$9,769	\$9,964
Percent Change		-11.3%	-10.6%	-16.3%	19.4%		2.0%	2.0%	2.0%	2.0%	2.0%
<b>Maintenance Expenses</b>											
Building	\$587	\$1,437	\$1,112	\$757	\$1,900	3.0%	\$1,957	\$2,016	\$2,076	\$2,138	\$2,203
Customer Meters	662	92	-	-	950	9.5%	1,040	1,138	1,246	1,364	1,494
Distribution System	1,603	4,632	1,258	2,200	2,850	3.0%	2,936	3,024	3,114	3,208	3,304
Grounds	42	1,286	1,324	685	1,425	3.0%	1,468	1,512	1,557	1,604	1,652
Eagle Ditch & Gages	-	4,000	835	8,246	9,025	3.0%	9,296	9,575	9,862	10,158	10,462
Office Equipment	443	1,876	350	497	475	1.7%	483	492	500	509	518
Parts & Equipment	803	1,262	1,558	1,572	1,425	3.0%	1,468	1,512	1,557	1,604	1,652
Road Repair	2,771	3,298	4,112	1,464	4,750	3.0%	4,893	5,039	5,190	5,346	5,507
Service Contract	2,214	2,292	2,137	2,471	2,470	2.8%	2,539	2,609	2,681	2,756	2,832
Treatment Plants	1,068	1,283	2,450	676	1,900	3.0%	1,957	2,016	2,076	2,138	2,203
Total Maintenance Expenses	\$10,193	\$21,459	\$15,136	\$18,568	\$27,170		\$28,035	\$28,932	\$29,861	\$30,825	\$31,826
Percent Change		110.5%	-29.5%	22.7%	46.3%		3.2%	3.2%	3.2%	3.2%	3.2%
<b>Vehicle Expenses</b>											
Oil / Grease	\$279	\$215	\$268	\$237	\$285	0.6%	\$287	\$288	\$290	\$291	\$293
Parts & Repairs	1,026	2,344	4,335	2,451	2,850	3.0%	2,936	3,024	3,114	3,208	3,304
Tires & Snow Chains	499	737	1,407	935	1,900	3.0%	1,957	2,016	2,076	2,138	2,203
Tractor Maint. & Repair	-	2,642	27	1,307	2,375	3.0%	2,446	2,520	2,595	2,673	2,753
Total Vehicle Expenses	\$1,803	\$5,939	\$6,036	\$4,930	\$7,410		\$7,625	\$7,847	\$8,076	\$8,311	\$8,553
Percent Change		229.4%	1.6%	-18.3%	50.3%		2.9%	2.9%	2.9%	2.9%	2.9%

**Employee Expenses**

Clothing	\$461	\$860	\$745	\$391	\$713	0.0%	\$713	\$713	\$713	\$713	\$713
Education & Certifications	648	1,825	250	484	950	2.0%	969	988	1,008	1,028	1,049
Employee Auto Mileage	613	901	72	140	238	0.0%	238	238	238	238	238
Transportation & Travel	51	400	18	466	475	3.0%	489	504	519	535	551
<b>Total Employee Expenses</b>	<b>\$1,772</b>	<b>\$3,985</b>	<b>\$1,086</b>	<b>\$1,481</b>	<b>\$2,375</b>		<b>\$2,408</b>	<b>\$2,442</b>	<b>\$2,477</b>	<b>\$2,513</b>	<b>\$2,550</b>
<i>Percent Change</i>		124.8%	-72.8%	36.4%	60.4%		1.4%	1.4%	1.4%	1.4%	1.5%

**Administration**

Agency Admin Fees	\$5,006	\$5,854	\$5,202	\$5,115	\$5,700	3.3%	\$5,888	\$6,083	\$6,283	\$6,491	\$6,705
Bank Fees & Supplies	2,945	3,690	3,947	3,488	3,800	3.0%	3,914	4,031	4,152	4,277	4,405
Conservation	100	-	168	-	475	3.0%	489	504	519	535	551
Election Costs	519	-	595	-	950	Varies	50	1,000	50	1,000	50
Janitorial & Misc. Supplies	620	561	453	480	713	3.0%	734	756	779	802	826
Meeting Expenses	464	758	485	711	950	0.0%	950	950	950	950	950
Membership & Dues	1,292	2,061	3,472	1,962	3,230	3.0%	3,327	3,427	3,530	3,635	3,744
Office Supplies	2,508	2,424	2,249	2,357	2,850	3.0%	2,936	3,024	3,114	3,208	3,304
Postage	3,513	4,171	3,988	4,033	3,800	3.0%	3,914	4,031	4,152	4,277	4,405
Public & Legal Notices	75	177	-	-	190	0.0%	190	190	190	190	190
Software	663	661	837	515	1,710	3.0%	1,761	1,814	1,869	1,925	1,982
Grizzly Pond Shirt Orders	-	-	994	732	0	3.0%	0	0	0	0	0
<b>Total Administration</b>	<b>\$17,705</b>	<b>\$20,357</b>	<b>\$22,390</b>	<b>\$19,393</b>	<b>\$24,368</b>		<b>\$24,153</b>	<b>\$25,810</b>	<b>\$25,588</b>	<b>\$27,289</b>	<b>\$27,113</b>
<i>Percent Change</i>		15.0%	10.0%	-13.4%	25.7%		-0.9%	6.9%	-0.9%	6.6%	-0.6%

**Professional Services**

Audit & Accounting Support	\$6,170	\$6,660	\$6,570	\$6,770	\$6,270	Varies	\$6,600	\$6,600	\$6,600	\$6,800	\$7,000
Legal	5,084	2,310	808	2,035	2,850	0.0%	2,850	2,850	2,850	2,850	2,850
Liability / Auto Insurance	11,823	11,968	10,767	12,650	10,498	0.0%	10,498	10,498	10,498	10,498	10,498
Other	1,273	685	-	800	760	0.0%	760	760	760	760	760
<b>Total Professional Services</b>	<b>\$24,350</b>	<b>\$21,623</b>	<b>\$18,145</b>	<b>\$22,255</b>	<b>\$20,378</b>		<b>\$20,708</b>	<b>\$20,708</b>	<b>\$20,708</b>	<b>\$20,908</b>	<b>\$21,108</b>
<i>Percent Change</i>		-11.2%	-16.1%	22.7%	-8.4%		1.6%	0.0%	0.0%	1.0%	1.0%

<b>Total Operating Expenses</b>	<b>\$334,250</b>	<b>\$377,336</b>	<b>\$389,867</b>	<b>\$381,270</b>	<b>\$430,260</b>		<b>\$451,840</b>	<b>\$468,614</b>	<b>\$484,030</b>	<b>\$501,987</b>	<b>\$515,931</b>
<i>Percent Change</i>		12.9%	3.3%	-2.2%	12.8%		5.0%	3.7%	3.3%	3.7%	2.8%

**Operating Expenses Summary**

Personnel Expenses	\$245,837	\$272,452	\$297,794	\$290,127	\$320,344		\$340,328	\$353,918	\$367,981	\$382,413	\$394,657
		11%	9%	-3%	10%		6%	4%	4%	4%	3%
Operations & Maintenance	\$88,413	\$104,884	\$92,073	\$91,143	\$109,916		\$111,512	\$114,696	\$116,049	\$119,574	\$121,275
		19%	-12%	-1%	21%		1%	3%	1%	3%	1%
<b>Total Operating Expenses</b>	<b>\$334,250</b>	<b>\$377,336</b>	<b>\$389,867</b>	<b>\$381,270</b>	<b>\$430,260</b>		<b>\$451,840</b>	<b>\$468,614</b>	<b>\$484,030</b>	<b>\$501,987</b>	<b>\$515,931</b>
		12.9%	3.3%	-2.2%	12.8%		5.0%	3.71%	3.29%	3.71%	2.78%
<b>Operating Reserve Contributions (Withdrawals)<sup>2</sup></b>					\$1,284		\$2,846	\$9,717	\$15,643	\$16,227	\$21,599
<b>Capital Reserve Contributions (Withdrawals)</b>					(\$22,949)		(\$66,761)	(\$4,138)	\$10,815	\$10,856	\$10,910
<b>Total Reserve Contributions (Withdrawals)</b>					(\$21,665)		(\$63,915)	\$5,579	\$26,457	\$27,082	\$32,509

1 District projections reduced by 5% to account for typical variance between actual and budgeted expenses.

2 District rates phased in over 5 years to produce a surplus of approximately \$21,600 annually.

Source: Grizzly Flats CSD 2015/16 Budget

**Table 2**  
**Grizzly Flats CSD**  
**O&M Asset Management Program**

	Projected				Total 3-Year O&M
	2014/15 Actuals	2015/16 Budget	2016/17	2017/18	
<b>Rebuild Outbuildings Buildings</b>					
Winding Way	\$3,733				\$3,733
Tyler	1,752				1,752
Forest View	878				878
Phase 2 Plant 1 Rehab/Filter Basin Rehab - replacement of media and inlet valves and recoating of inner walls (corrosion control).	6,263				6,263
Chemical Pump - standby	1,443				1,443
Air Release Valves (ARVs) for Eagle Ditch - x30	-				0
<u>Sealcoat Driveway</u>	<u>1,350</u>				<u>1,350</u>
Subtotal Rebuild Outbuildings Buildings	\$15,419				\$15,419
<b>2015/16 Planned Projects</b>					
Phase 3 Plant 1 Rehab/Sed-basin Rehab - tube settler replacement and basin recoating		\$5,600			\$5,600
Clearwell Tank - cleaning and inspection		1,000			1,000
Replace carpet in Office/Boardroom		3,500			3,500
<u>Turbidimeters x2</u>		<u>6,000</u>			<u>6,000</u>
Subtotal 2015/16 Planned Projects		\$16,100			\$16,100
<b>Future Years</b>					
Repainting of District Buildings (Office, TP, lower shop & Tyler)			\$1,000		\$1,000
Forest View Tank - cleaning and inspection			1,000		1,000
Winding Way - cleaning and inspection			1,000		1,000
Tyler Tank - cleaning and inspection			1,000		1,000
20hp pump replacement at Winding Way			6,000		6,000
<u>Recorder &amp; data logger (replace paper recorders)</u>				<u>3,500</u>	<u>3,500</u>
Subtotal Future Years			\$10,000	\$3,500	\$13,500
<b>TOTAL</b>	<b>\$15,419</b>	<b>\$16,100</b>	<b>\$10,000</b>	<b>\$3,500</b>	<b>\$45,019</b>

Source: Grizzly Flats CSD 2015/16 Budget

**Table 3**  
**Grizzly Flats CSD**  
**Misc Operating Revenues**

	Historical Actuals				Budget		Projected				
	2011/12	2012/13	2013/14	Est. 2014/15	2015/16	Escalation %	2016/17	2017/18	2018/19	2019/20	2020/21
<b>MISC OPERATING REVENUE</b>											
<b>Misc Operating Revenue</b>											
Penalties & Lien Fees	\$23,750	\$19,049	\$17,869	\$16,140	\$15,000	-	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
Miscellaneous Income	2,184	1,928	1,630	2,840	3,700	2.0%	3,774	3,849	3,926	4,005	4,085
O&M Pooled Interest	502	643	681	513	650	-	1,204	1,204	1,204	1,204	1,204
New Meter Install Fee	-	-	794	794	794	2.0%	810	826	843	859	877
Grizzly Pond Tshirts	-	-	671	192	500	2.0%	510	520	531	541	552
Total Misc Operating Revenue	\$26,436	\$21,621	\$21,645	\$20,479	\$20,644		\$21,297	\$21,399	\$21,503	\$21,609	\$21,717
Percent Change		-18.2%	0.1%	-5.4%	0.8%		3.2%	0.5%	0.5%	0.5%	0.5%

Source: Grizzly Flats CSD 2015/16 Budget

**Table 4  
Grizzly Flats CSD  
CIP Plan**

	Projected				Total 3-Year CIP
	2014/15 Actuals	2015/16 Budget	2016/17	2017/18	
<b>Cathodic Protection for Storage Tanks</b>					
Clearwell Tank					
Winding Way Tank					
Forest View Tank					
<u>New stairs to reservoir / done in-house</u>		\$10,000			
Subtotal Cathodic Protection for Storage Tanks		\$10,000			\$10,000
<b>Prop 84 - 2014 Drought Measures Infrastructure Project</b>					
Backwash Tank Replacement		\$296,266			\$296,266
Cathodic Protection Systems (Clearwell, Winding, & FV Tanks)		49,200			49,200
Meter Replacement (300 meters)		30,000			30,000
ARV Installation (Eagle Ditch)		6,000			6,000
Leak Detection		90,000			90,000
<u>Prj Admin</u>		<u>36,445</u>			<u>36,445</u>
Subtotal Prop 84 - 2014 Drought Measures Infrastructure Project		\$507,911			\$507,911
<b>2015/16 - New Proposed Items</b>					
<u>Portable Valve Exerciser</u>		<u>\$8,500</u>			<u>\$8,500</u>
Subtotal 2015/16 - New Proposed Items		\$8,500			\$8,500
<b>Future Years</b>					
Service Truck Replacement			\$50,000		\$50,000
Tyler Tank (install overflow & drain)			10,000		10,000
Forest View Tank (install overflow & drain)			10,000		10,000
Winding Way Tank (install drain)			8,000		8,000
Streaming Current Controller / Plant 1				15,000	15,000
<b>Conference Room Expansion</b>					<b>Future</b>
<b>Clearwell Tank Relining (corrosion issues)</b>					<b>Future</b>
<b>Forest View Tank / reline tank interior</b>					<b>Future</b>
<b>Winding Way / reline tank interior</b>					<b>Future</b>
<b>Pneumatic Tanks at WW, FV &amp; Tyler (recoat exterior)</b>					<b>Future</b>
<u><b>Pneumatic Tanks at WW, FV &amp; Tyler (cathodic protection)</b></u>					<u><b>Future</b></u>
Subtotal Future Years (Tank Upgrades)			\$78,000	\$15,000	\$93,000
<b>TOTAL</b>	<b>\$0</b>	<b>\$526,411</b>	<b>\$78,000</b>	<b>\$15,000</b>	<b>\$619,411</b>

Source: Grizzly Flats CSD 2015/16 Budget

**Table 5**  
**Grizzly Flats CSD**  
**Outstanding Debt**

	Budget		Projected			
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
USDA - Principal and Interest <sup>1</sup>	\$41,688	\$41,745	\$41,788	\$41,815	\$41,828	\$41,828
<i>Percent Change</i>		0.1%	0.1%	0.1%	0.0%	0.0%

1 - Original Loan Amount: \$941,000. First payment (interest only) April 2012. Expected payoff date is October 2053.

**Table 6**  
**Grizzly Flats CSD**  
**Reserve Fund Balances**

	Target Fund Balance						
	June 30, 2015 <sup>1</sup>	June 30, 2016	June 30, 2017	June 30, 2018	June 30, 2019	June 30, 2020	June 30, 2021
<b>Water Operations Fund</b>							
O&M Reserve <sup>1</sup>	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000	\$80,000
Asset Management Reserve <sup>2</sup>	46,857	59,578	71,178	89,278	110,878	132,478	154,078
<u>Emergency Reserve<sup>3</sup></u>	<u>112,567</u>	<u>150,000</u>	<u>150,000</u>	<u>150,000</u>	<u>150,000</u>	<u>150,000</u>	<u>150,000</u>
Total	\$239,424	\$289,578	\$301,178	\$319,278	\$340,878	\$362,478	\$384,078
<b>Water Capital</b>							
USDA Loan Reserves	\$42,508	\$42,508	\$42,508	\$42,508	\$42,508	\$42,508	\$42,508
Hydrant Replacement <sup>4</sup>	0	12,000	24,000	36,000	48,000	60,000	72,000
CIP Dedicated Reserve <sup>5</sup>	134,602	140,000	140,000	140,000	140,000	140,000	140,000
<u>CIP Restricted Reserve<sup>6</sup></u>	<u>250,000</u>	<u>250,000</u>	<u>250,000</u>	<u>250,000</u>	<u>250,000</u>	<u>250,000</u>	<u>250,000</u>
Total	\$427,109	\$444,508	\$456,508	\$468,508	\$480,508	\$492,508	\$504,508
<b>Total Funds</b>	<b>\$666,533</b>	<b>\$734,086</b>	<b>\$757,686</b>	<b>\$787,786</b>	<b>\$821,386</b>	<b>\$854,986</b>	<b>\$888,586</b>
<i>Percent Change</i>		10.1%	3.2%	4.0%	4.3%	4.1%	3.9%
<b>Unrestricted Funds<sup>7</sup></b>	<b>\$374,025</b>	<b>\$441,578</b>	<b>\$465,178</b>	<b>\$495,278</b>	<b>\$528,878</b>	<b>\$562,478</b>	<b>\$596,078</b>

Source: Grizzly Flats CSD 2015/16 Budget

1 Policy mentions a 45 day reserve (12.5%) of the annual O&M budget

2 Board policy to set aside \$21,600/year in the asset management fund

3 Funded with O&M penalty fees

4 Increase by \$12,000/year per Board policy

5 Used for CIP in the District's 5-year plan

6 Restricted by the Board for emergency purposes only

7 Unrestricted funds exclude USDA Loan Reserves and CIP Restricted Reserves



**Table 7**  
**Grizzly Flats CSD**  
**Cash Flow Projection**

	Projected					
	2015/16	2016/17	2017/18	2018/19	2019/20	2020/21
<b>Beginning Fund Balance</b>						
Unrestricted Operating Fund	\$239,424	\$240,708	\$243,553	\$253,270	\$268,913	\$285,139
Unrestricted Capital Fund	<u>134,602</u>	<u>111,653</u>	<u>44,892</u>	<u>40,755</u>	<u>51,569</u>	<u>62,425</u>
Total Unrestricted Funds	\$374,025	\$352,361	\$288,445	\$294,025	\$320,482	\$347,565
<b>% Rate Revenue Increase</b>		<b>3.84%</b>	<b>3.84%</b>	<b>3.85%</b>	<b>3.86%</b>	<b>3.87%</b>
Growth - %		0.2%	0.2%	0.2%	0.2%	0.2%
<b>REVENUES</b>						
<b>Operating Revenue</b>						
Basic Rate Revenues	\$423,797	\$416,998	\$433,770	\$451,231	\$469,386	\$488,308
Water Volumetric Revenues	3,203	26,391	26,662	26,938	27,219	27,505
Penalties & Lien Fees	15,000	15,000	15,000	15,000	15,000	15,000
Other Revenues (1)	<u>5,644</u>	<u>6,297</u>	<u>6,399</u>	<u>6,503</u>	<u>6,609</u>	<u>6,717</u>
Total Operating Revenues	\$447,644	\$464,686	\$481,831	\$499,672	\$518,214	\$537,530
<b>Capital Revenues</b>						
Standby Income	\$58,896	\$58,896	\$58,896	\$58,896	\$58,896	\$58,896
New Connection Fees (2)	6,030	6,030	6,030	6,030	6,030	6,030
Misc. Income	7,500	7,500	7,500	7,500	7,500	7,500
Pooled Interest (3)	673	558	224	204	258	312
DWR Prop 84 Drought Grant 2014 (4)	<u>492,051</u>	-	-	-	-	-
Total Water Capital Fund Revenue	\$565,150	\$72,984	\$72,650	\$72,630	\$72,684	\$72,738
<b>TOTAL REVENUES</b>	\$1,012,794	\$537,670	\$554,481	\$572,302	\$590,898	\$610,268
<b>EXPENSES</b>						
<b>Operating Expenses</b>						
Personnel Expenses	\$320,344	\$340,328	\$353,918	\$367,981	\$382,413	\$394,657
Operations & Maintenance	109,916	111,512	114,696	116,049	119,574	121,275
Asset Management O&M	<u>16,100</u>	<u>10,000</u>	<u>3,500</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Operating Expenses	\$446,360	\$461,840	\$472,114	\$484,030	\$501,987	\$515,931
<b>Capital Expenses</b>						
Debt Service (5)	\$41,688	\$41,745	\$41,788	\$41,815	\$41,828	\$41,828
CIP Misc Expenses (6)	20,000	20,000	20,000	20,000	20,000	20,000
Capital Improvement Project	<u>526,411</u>	<u>78,000</u>	<u>15,000</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Capital Expenses	\$588,099	\$139,745	\$76,788	\$61,815	\$61,828	\$61,828
<b>TOTAL EXPENSES</b>	\$1,034,459	\$601,585	\$548,902	\$545,845	\$563,815	\$577,759
Net Revenues - Operating Fund	\$1,284	\$2,846	\$9,717	\$15,643	\$16,227	\$21,599
Net Revenues - Capital Fund	<u>(22,949)</u>	<u>(66,761)</u>	<u>(4,138)</u>	<u>10,815</u>	<u>10,856</u>	<u>10,910</u>
NET REVENUES	(\$21,665)	(\$63,915)	\$5,579	\$26,457	\$27,082	\$32,509
<b>Ending Fund Balance</b>						
Unrestricted Operating Fund	\$240,708	\$243,553	\$253,270	\$268,913	\$285,139	\$306,738
Unrestricted Capital Fund	<u>111,653</u>	<u>44,892</u>	<u>40,755</u>	<u>51,569</u>	<u>62,425</u>	<u>73,335</u>
Total Unrestricted Funds	\$352,361	\$288,445	\$294,025	\$320,482	\$347,565	\$380,073
Total Unrestricted Fund Target	\$484,086	\$484,086	\$537,786	\$571,386	\$604,986	\$638,586
Target Met	no	no	no	no	no	no
Debt Service Coverage (Min. 1.3x)	13.59	1.82	1.97	2.11	2.13	2.26
Target Met	yes	yes	yes	yes	yes	yes
1 - Includes: Miscellaneous Income, O&M Pooled Interest, New Meter Installation Fee, and Grizzly Pond T-shirt sales. 2 - Assumes 1 new connection per year. 3 - Assumes 0.5% capital reserve interest earnings after FY 2015/16. 4 - Grant awarded October 2014. 5 - USDA loan principal & interest. 6 - Includes: Professional Services & Payroll - CIP.						

CHART A

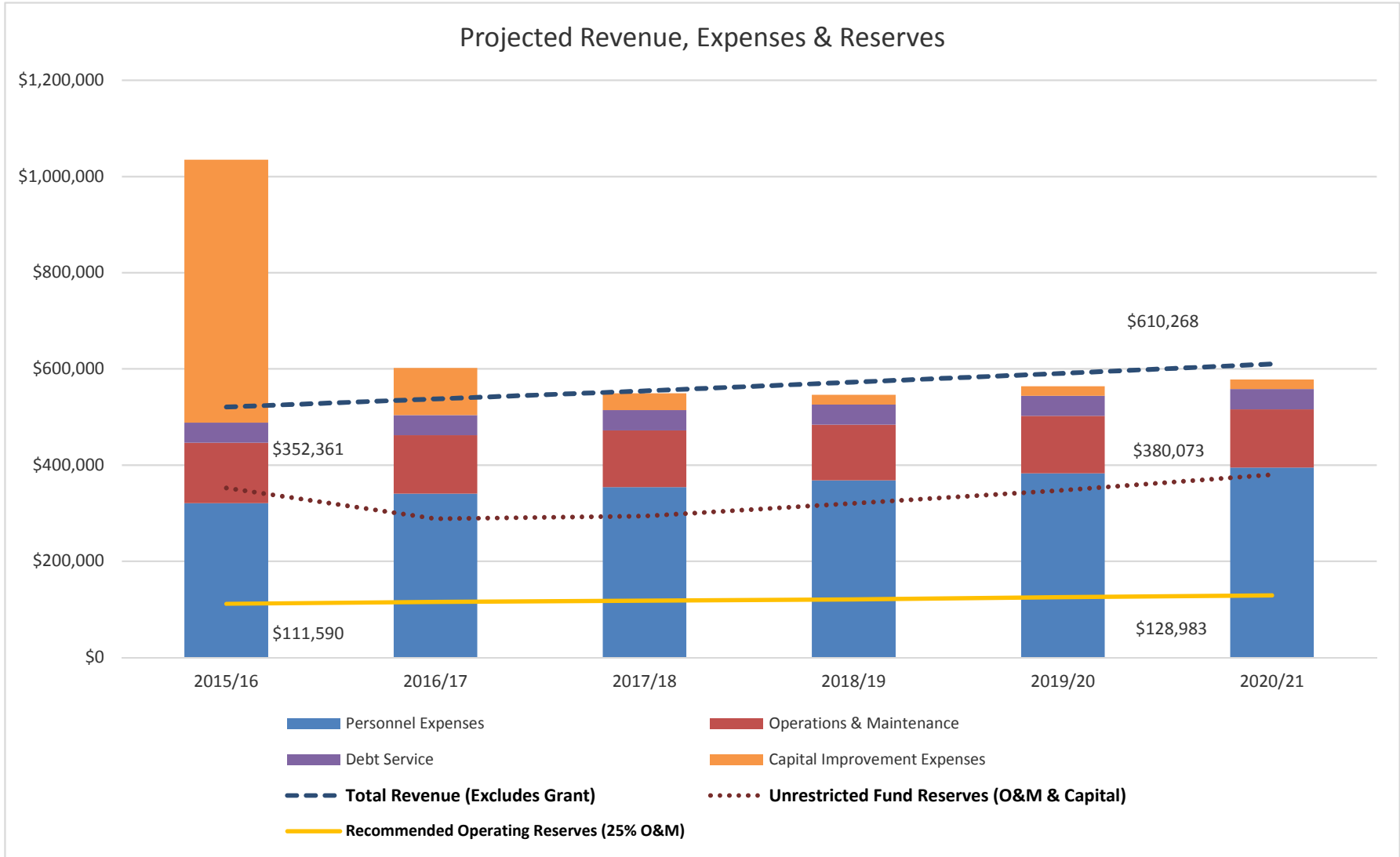
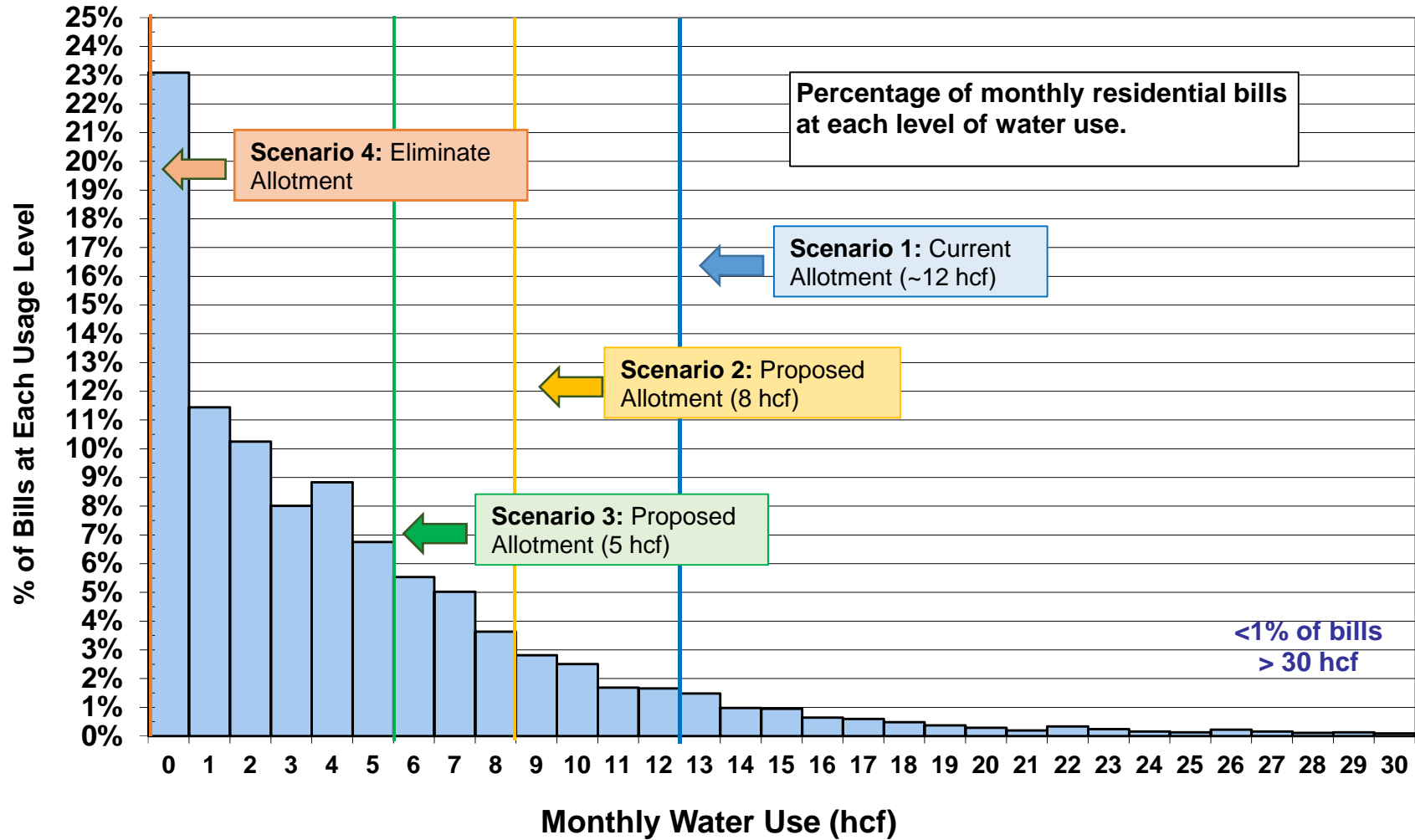


CHART B

# Grizzly Flats CSD

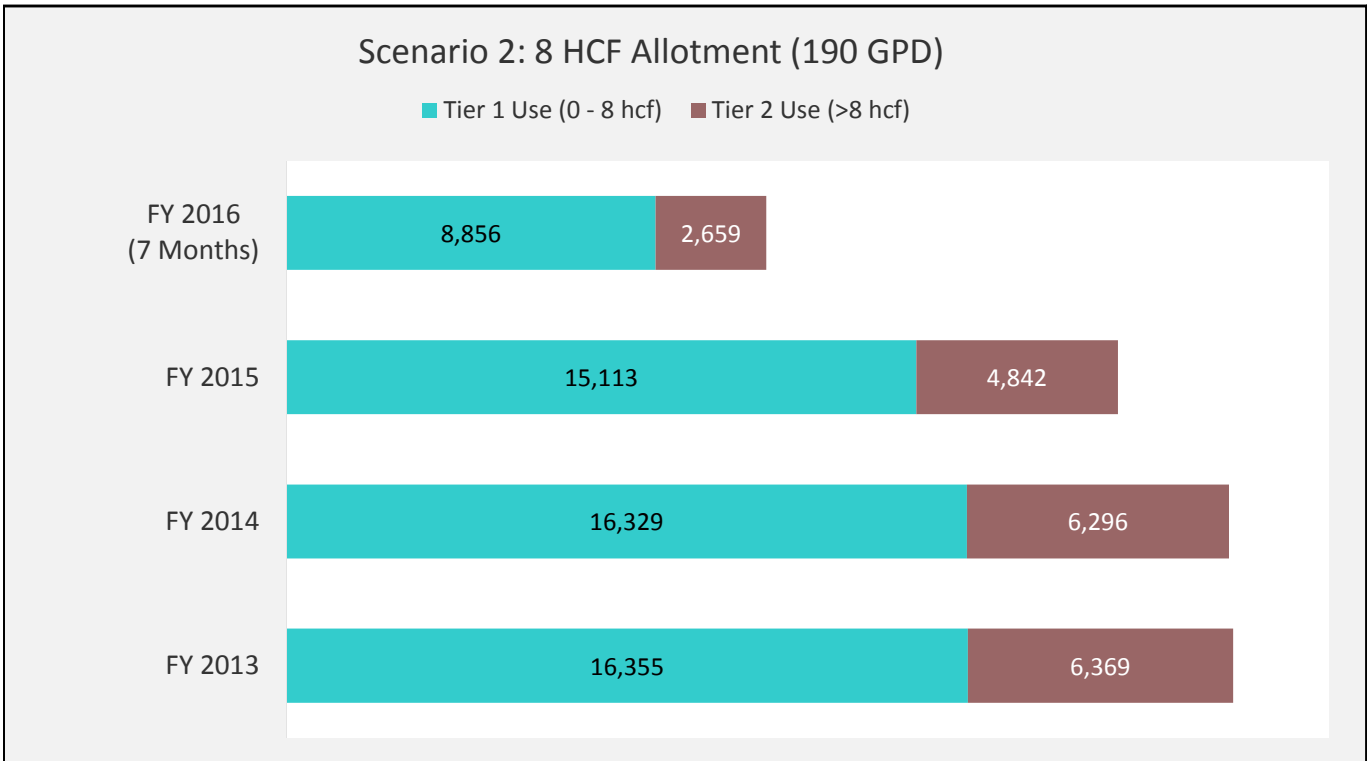
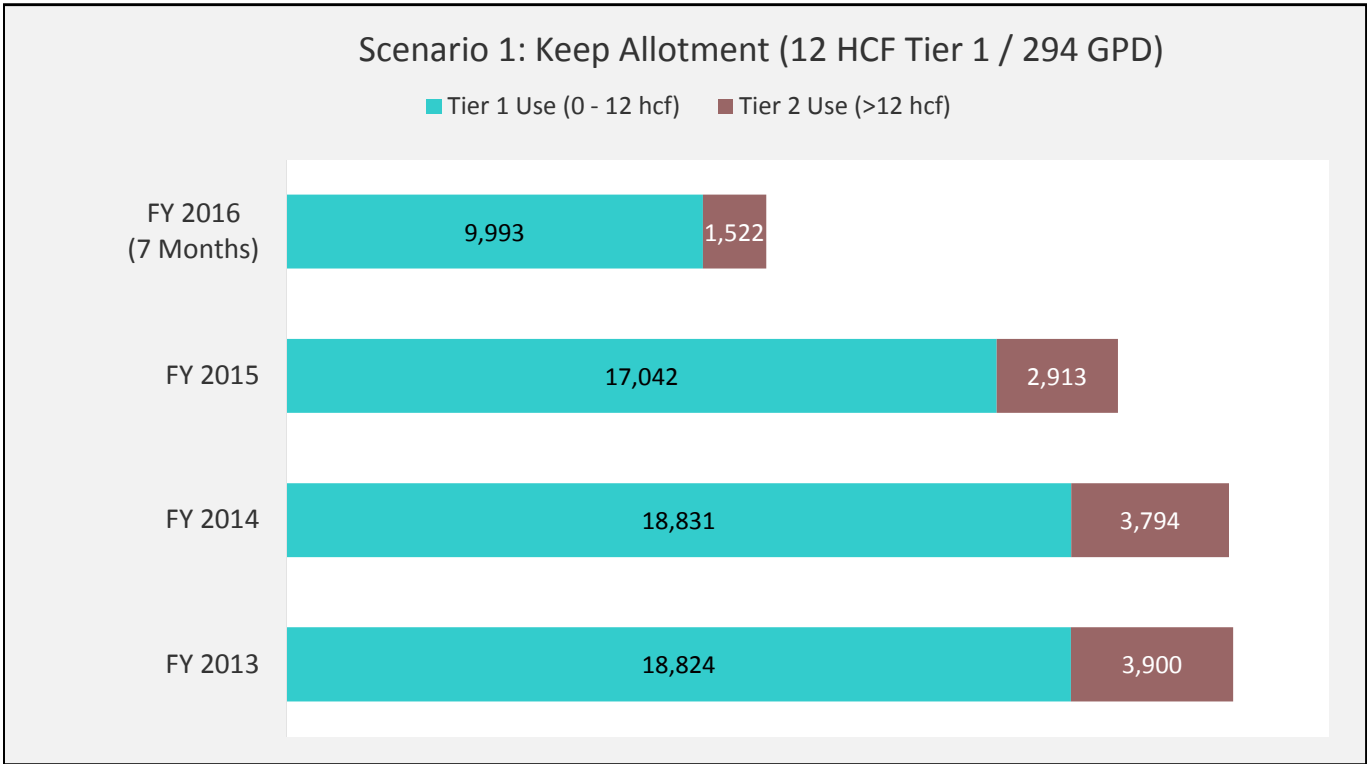
## Monthly Single Family Residential Water Bill Distribution 2012/13



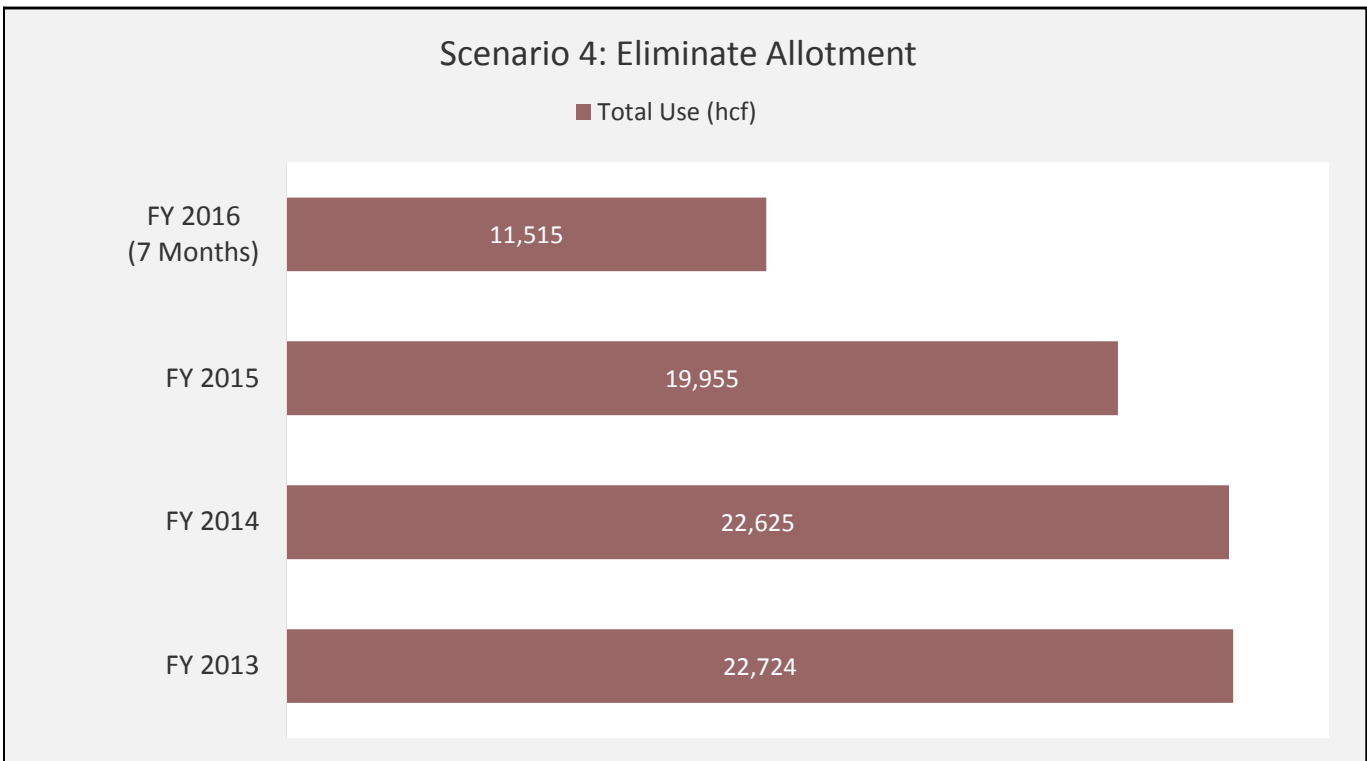
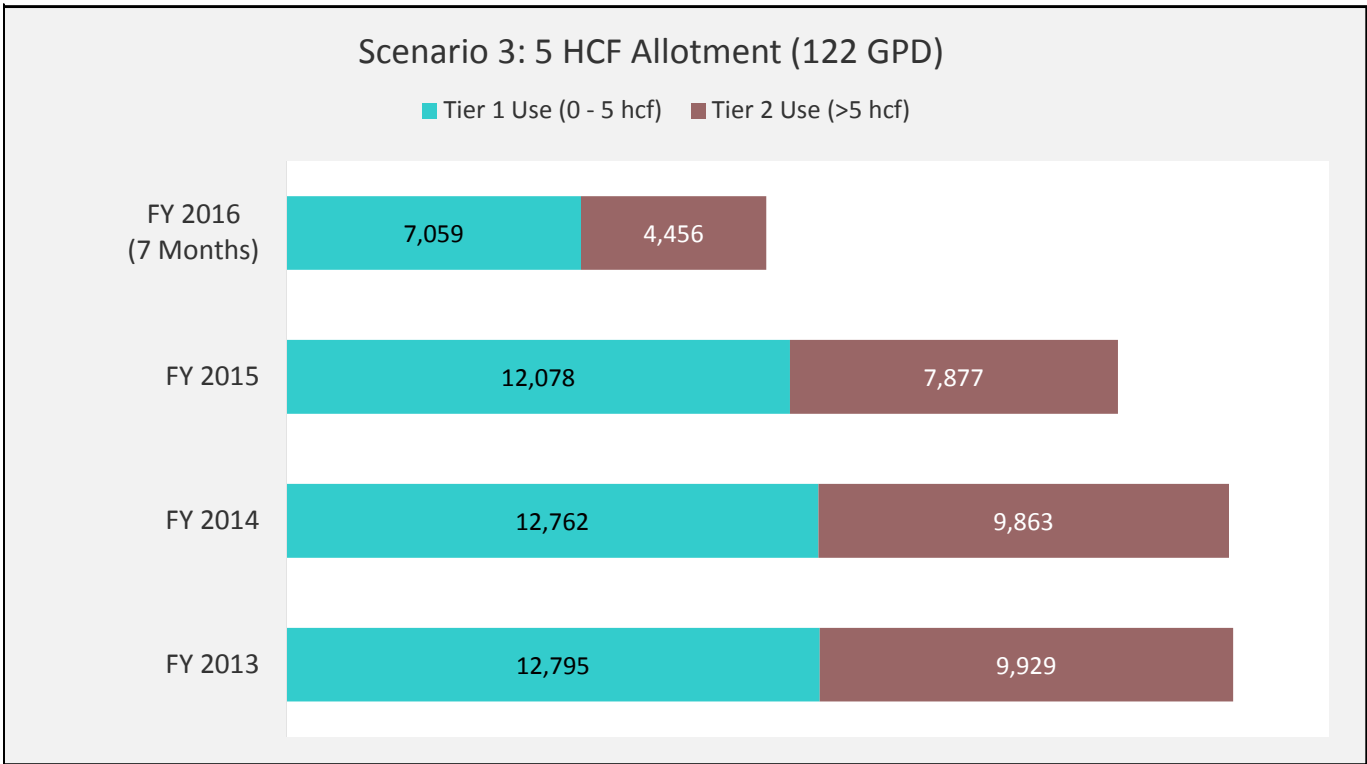
**Table 8  
Grizzly Flats CSD  
Water Use Scenarios**

<b>Scenario 1: Keep Allotment: 12 HCF Tier 1 (294 gpd)</b>					<b>Scenario 2: 8 HCF Tier 1 (190 gpd)</b>				
	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 (7 Months)</b>		<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 (7 Months)</b>
<b>Residential</b>					<b>Residential</b>				
Tier 1 Use (0 - 12 hcf)	18,824	18,831	17,042	9,993	Tier 1 Use (0 - 8 hcf)	16,355	16,329	15,113	8,856
Tier 2 Use (>12 hcf)	<u>3,900</u>	<u>3,794</u>	<u>2,913</u>	<u>1,522</u>	Tier 2 Use (>8 hcf)	<u>6,369</u>	<u>6,296</u>	<u>4,842</u>	<u>2,659</u>
	22,724	22,625	19,955	11,515		22,724	22,625	19,955	11,515
<b>Commercial</b>					<b>Commercial</b>				
Tier 1 Use (0 - 12 hcf)	157	170	137	69	Tier 1 Use (0 - 8 hcf)	123	137	116	55
Tier 2 Use (>12 hcf)	<u>82</u>	<u>200</u>	<u>43</u>	<u>8</u>	Tier 2 Use (>8 hcf)	<u>116</u>	<u>233</u>	<u>64</u>	<u>22</u>
	239	370	180	77		239	370	180	77
<b>Total Use (All Classes)</b>					<b>Total Use (All Classes)</b>				
Tier 1 Use (0 - 12 hcf)	18,981	19,001	17,179	10,062	Tier 1 Use (0 - 8 hcf)	16,478	16,466	15,229	8,911
Tier 2 Use (>12 hcf)	<u>3,982</u>	<u>3,994</u>	<u>2,956</u>	<u>1,530</u>	Tier 2 Use (>8 hcf)	<u>6,485</u>	<u>6,529</u>	<u>4,906</u>	<u>2,681</u>
Total Use (hcf)	22,963	22,995	20,135	11,592	Total Use (hcf)	22,963	22,995	20,135	11,592
<b>Scenario 3: 5 HCF Tier 1 (122 gpd)</b>					<b>Scenario 4: Eliminate Allotment</b>				
	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 (7 Months)</b>		<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016 (7 Months)</b>
<b>Residential</b>					<b>Residential</b>				
Tier 1 Use (0 - 5 hcf)	12,795	12,762	12,078	7,059	Total Use (hcf)	22,724	22,625	19,955	11,515
Tier 2 Use (>5 hcf)	<u>9,929</u>	<u>9,863</u>	<u>7,877</u>	<u>4,456</u>					
	22,724	22,625	19,955	11,515	<b>Commercial</b>				
<b>Commercial</b>					<b>Commercial</b>				
Tier 1 Use (0 - 5 hcf)	95	102	94	42	Total Use (hcf)	239	370	180	77
Tier 2 Use (>5 hcf)	<u>144</u>	<u>268</u>	<u>86</u>	<u>35</u>					
	239	370	180	77	<b>Total Use (All Classes)</b>				
<b>Total Use (All Classes)</b>					<b>Total Use (All Classes)</b>				
Tier 1 Use (0 - 5 hcf)	12,890	12,864	12,172	7,101	Total Use (hcf)	22,963	22,995	20,135	11,592
Tier 2 Use (>5 hcf)	<u>10,073</u>	<u>10,131</u>	<u>7,963</u>	<u>4,491</u>					
Total Use (hcf)	22,963	22,995	20,135	11,592					

### CHART C



### CHART C



**Table 9**  
**Grizzly Flats CSD**  
**Cost Analysis**

<b>Expenses</b>	<b>2015/16</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>
<b>Operating Expenses</b>						
Personnel Expenses	\$320,344	\$340,328	\$353,918	\$367,981	\$382,413	\$394,657
Operations & Maintenance	109,916	111,512	114,696	116,049	119,574	121,275
<u>Asset Management O&amp;M</u>	<u>16,100</u>	<u>10,000</u>	<u>3,500</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Operating Expenses	\$446,360	\$461,840	\$472,114	\$484,030	\$501,987	\$515,931
<b>Capital Expenses</b>						
Debt Service	\$41,688	\$41,745	\$41,788	\$41,815	\$41,828	\$41,828
CIP Misc Expenses	20,000	20,000	20,000	20,000	20,000	20,000
<u>Capital Improvement Project</u>	<u>526,411</u>	<u>78,000</u>	<u>15,000</u>	<u>0</u>	<u>0</u>	<u>0</u>
Total Capital Expenses	\$588,099	\$139,745	\$76,788	\$61,815	\$61,828	\$61,828
<b>Total Expenses</b>	<b>\$1,034,459</b>	<b>\$601,585</b>	<b>\$548,902</b>	<b>\$545,845</b>	<b>\$563,815</b>	<b>\$577,759</b>
<b>Variable Costs</b>						
Water Treatment	\$9,025	\$9,206	\$9,390	\$9,577	\$9,769	\$9,964
Fuel Purchases	5,700	5,786	5,872	5,960	6,050	6,141
Propane	5,700	5,700	5,700	5,700	5,700	5,700
<u>Power</u>	<u>5,700</u>	<u>5,700</u>	<u>5,700</u>	<u>5,700</u>	<u>5,700</u>	<u>5,700</u>
<b>Total Variable Costs</b>	<b>\$26,125</b>	<b>\$26,391</b>	<b>\$26,662</b>	<b>\$26,938</b>	<b>\$27,219</b>	<b>\$27,505</b>
<b>Total Fixed Costs</b>	<b>\$1,008,334</b>	<b>\$575,194</b>	<b>\$522,240</b>	<b>\$518,907</b>	<b>\$536,597</b>	<b>\$550,254</b>

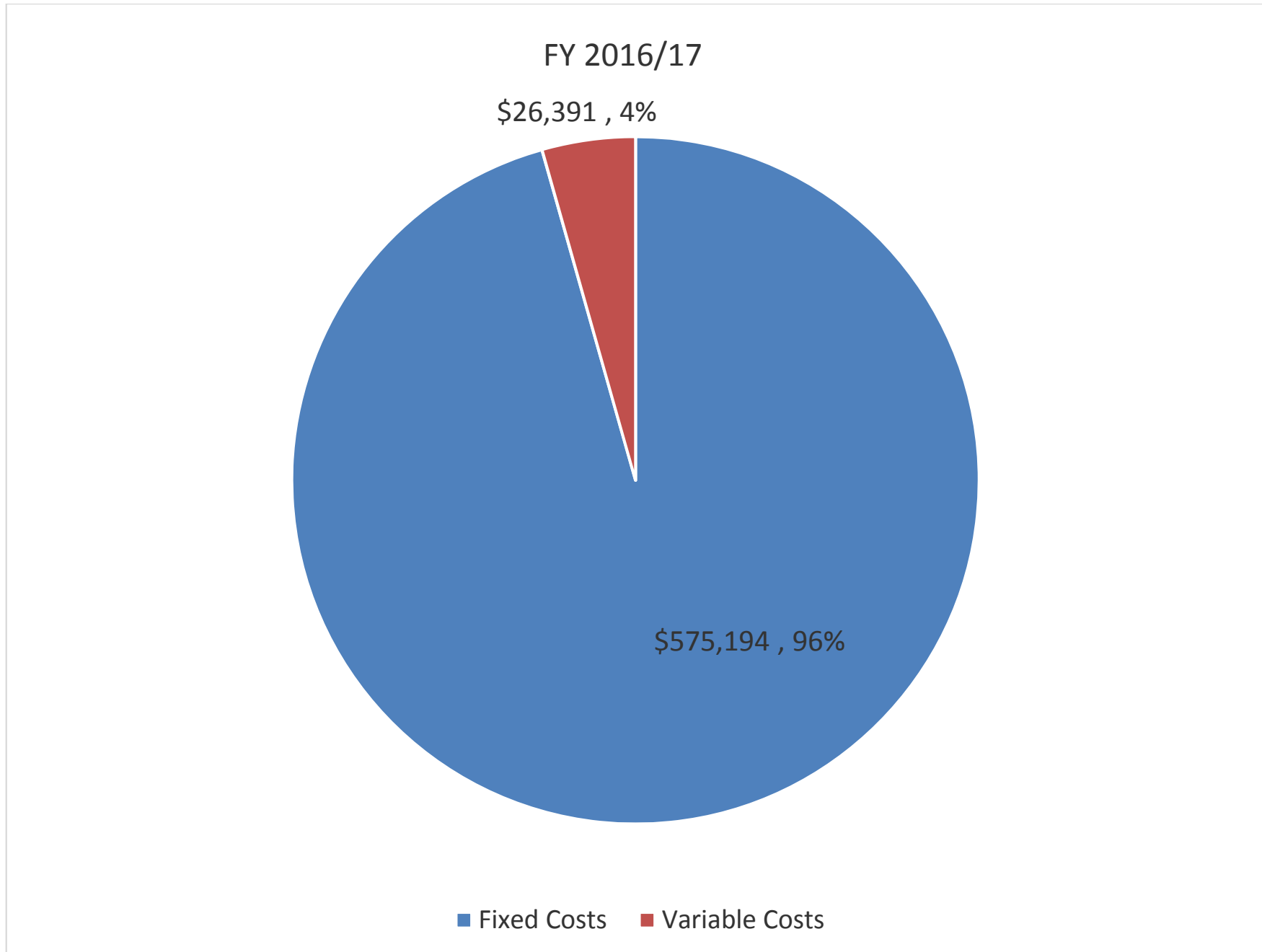
**Table 10**  
**Grizzly Flats CSD**  
**Basic Rate Calculation**

<b>Basic Rates</b>	<b>2015/16</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>
Fixed Operating Costs	\$420,235	\$435,449	\$445,452	\$457,092	\$474,769	\$488,426
+ Operating Reserve Surplus (Per Board Policy) <sup>1</sup>	<u>\$1,284</u>	<u>21,600</u>	<u>21,600</u>	<u>21,600</u>	<u>21,600</u>	<u>21,600</u>
	\$421,519	\$457,049	\$467,052	\$478,692	\$496,369	\$510,026
Less: Non Rate Operating Revenues						
Penalties & Lien Fees	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000
<u>Other Revenues</u>	<u>5,644</u>	<u>6,297</u>	<u>6,399</u>	<u>6,503</u>	<u>6,609</u>	<u>6,717</u>
Total Non Rate Operating Revenues	\$20,644	\$21,297	\$21,399	\$21,503	\$21,609	\$21,717
Fixed Operating Revenue Requirement	\$400,875	\$435,752	\$445,653	\$457,189	\$474,759	\$488,309
Total Connections	585	586	587	588	589	590
\$/Connection (Annual)	\$685	\$744	\$759	\$778	\$806	\$828
Projected Monthly Basic Rates	\$57.10	\$61.97	\$63.27	\$64.79	\$67.17	\$68.97
<b>Proposed Monthly Basic Rate (Smoothed)</b>	<b>\$57.10</b>	<b>\$59.30</b>	<b>\$61.58</b>	<b>\$63.95</b>	<b>\$66.41</b>	<b>\$68.97</b>
<i>% Increase</i>		3.84%	3.84%	3.85%	3.85%	3.85%
<b>Projected Basic Rate Revenue</b>	<b>\$400,875</b>	<b>\$416,998</b>	<b>\$433,770</b>	<b>\$451,231</b>	<b>\$469,386</b>	<b>\$488,308</b>

1 Board set aside policy identified in Table 6 "Reserve Fund Balances" footnotes 2 & 3. Implemented beginning in FY 2016/17.



CHART D



**Table 11**  
**Grizzly Flats CSD**  
**Volumetric Charge Calculation**

<b>Volumetric Charges</b>	<b>2015/16</b>	<b>2016/17</b>	<b>2017/18</b>	<b>2018/19</b>	<b>2019/20</b>	<b>2020/21</b>
<b>Scenario 1: Keep Allotment: 12 HCF Tier 1 (294 gpd)</b>						
Total Use						
Tier 1 (0 to 12 hcf)	18,981	18,981	18,981	18,981	18,981	18,981
Tier 2 (>12 hcf)	<u>3,982</u>	<u>3,982</u>	<u>3,982</u>	<u>3,982</u>	<u>3,982</u>	<u>3,982</u>
	22,963	22,963	22,963	22,963	22,963	22,963
Tier 1 Rate	\$0	\$0	\$0	\$0	\$0	\$0
Tier 2 Rate	\$6.56	\$6.63	\$6.70	\$6.76	\$6.84	\$6.91
Projected Volumetric Revenue		\$26,391	\$26,662	\$26,938	\$27,219	\$27,505
<b>Scenario 2: 8 HCF Tier 1 (190 gpd)</b>						
Total Use						
Tier 1 Use (0 - 8 hcf)	16,478	16,478	16,478	16,478	16,478	16,478
Tier 2 Use (>8 hcf)	<u>6,485</u>	<u>6,485</u>	<u>6,485</u>	<u>6,485</u>	<u>6,485</u>	<u>6,485</u>
	22,963	22,963	22,963	22,963	22,963	22,963
Tier 1 Rate	\$0	\$0	\$0	\$0	\$0	\$0
Tier 2 Rate	\$4.03	\$4.07	\$4.11	\$4.15	\$4.20	\$4.24
Projected Volumetric Revenue		\$26,391	\$26,662	\$26,938	\$27,219	\$27,505
<b>Scenario 3: 5 HCF Tier 1 (122 gpd)</b>						
Total Use						
Tier 1 Use (0 - 5 hcf)	12,890	12,890	12,890	12,890	12,890	12,890
Tier 2 Use (>5 hcf)	<u>10,073</u>	<u>10,073</u>	<u>10,073</u>	<u>10,073</u>	<u>10,073</u>	<u>10,073</u>
	22,963	22,963	22,963	22,963	22,963	22,963
Tier 1 Rate	\$0	\$0	\$0	\$0	\$0	\$0
Tier 2 Rate	\$2.59	\$2.62	\$2.65	\$2.67	\$2.70	\$2.73
Projected Volumetric Revenue		\$26,391	\$26,662	\$26,938	\$27,219	\$27,505
<b>Scenario 4: Eliminate Allotment</b>						
Total Use						
Projected Water Use (hcf)	22,963	22,963	22,963	22,963	22,963	22,963
\$/hcf	\$1.14	\$1.15	\$1.16	\$1.17	\$1.19	\$1.20
Projected Volumetric Revenue		\$26,391	\$26,662	\$26,938	\$27,219	\$27,505

Table 12  
Grizzly Flats CSD  
Bill Impacts

**Single Fixed Charge Scenario**

	2015/16 Current*	Fiscal Year				
		2016/17	2017/18	2018/19	2019/20	2020/21
		<b>Projected Monthly Bills</b>				
<b>Basic Rate</b>	<b>\$60.37</b>	<b>\$63.06</b>	<b>\$65.38</b>	<b>\$67.78</b>	<b>\$70.27</b>	<b>\$72.86</b>
<i>% Increase</i>		4.5%	3.7%	3.7%	3.7%	3.7%
<i>\$ Increase</i>		\$2.69	\$2.32	\$2.40	\$2.49	\$2.58

**Scenario 1: Keep Allotment: 12 HCF Tier 1 (294 gpd)**

	2015/16 Current*	Fiscal Year				
		2016/17	2017/18	2018/19	2019/20	2020/21
<b>Basic Rate</b>	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
<b>Tier 1 (0 to 12 hcf)</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Tier 2 (&gt;12 hcf)</b>		\$6.63	\$6.70	\$6.76	\$6.84	\$6.91

<u>Monthly Use (HCF)</u>	<u>Tier 2 Use (HCF)</u>	<u>Monthly Bill</u>	<u>Projected Monthly Bills</u>				
0	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
		<i>% Increase</i>	-1.8%	3.8%	3.8%	3.8%	3.9%
		<i>\$ Increase</i>	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
5	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
		<i>% Increase</i>	-1.8%	3.8%	3.8%	3.8%	3.9%
		<i>\$ Increase</i>	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
10	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
		<i>% Increase</i>	-1.8%	3.8%	3.8%	3.8%	3.9%
		<i>\$ Increase</i>	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
15	3	\$64.90	\$79.18	\$81.67	\$84.24	\$86.92	\$89.69
		<i>% Increase</i>	22.0%	3.1%	3.2%	3.2%	3.2%
		<i>\$ Increase</i>	\$14.29	\$2.48	\$2.58	\$2.67	\$2.78
20	8	\$72.45	\$112.32	\$115.14	\$118.07	\$121.09	\$124.23
		<i>% Increase</i>	55.0%	2.5%	2.5%	2.6%	2.6%
		<i>\$ Increase</i>	\$39.87	\$2.82	\$2.92	\$3.02	\$3.13
29**	17	\$88.08	\$171.97	\$175.41	\$178.95	\$182.61	\$186.39
		<i>% Increase</i>	95.2%	2.0%	2.0%	2.0%	2.1%
		<i>\$ Increase</i>	\$83.89	\$3.44	\$3.55	\$3.66	\$3.78

**Scenario 2: 8 HCF Tier 1 (190 gpd)**

	2015/16 Current*	Fiscal Year				
		2016/17	2017/18	2018/19	2019/20	2020/21
<b>Basic Rate</b>	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
<b>Tier 1 Use (0 - 8 hcf)</b>		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Tier 2 Use (&gt;8 hcf)</b>		\$4.07	\$4.11	\$4.15	\$4.20	\$4.24

<u>Monthly Use (HCF)</u>	<u>Tier 2 Use (HCF)</u>	<u>Monthly Bill</u>	<u>Projected Monthly Bills</u>				
0	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
		<i>% Increase</i>	-1.8%	3.8%	3.8%	3.8%	3.9%
		<i>\$ Increase</i>	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
5	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
		<i>% Increase</i>	-1.8%	3.8%	3.8%	3.8%	3.9%
		<i>\$ Increase</i>	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
10	2	\$60.37	\$67.44	\$69.80	\$72.26	\$74.80	\$77.45
		<i>% Increase</i>	11.7%	3.5%	3.5%	3.5%	3.5%
		<i>\$ Increase</i>	\$7.07	\$2.36	\$2.46	\$2.55	\$2.65
15	7	\$64.90	\$87.79	\$90.36	\$93.03	\$95.79	\$98.66
		<i>% Increase</i>	35.3%	2.9%	3.0%	3.0%	3.0%
		<i>\$ Increase</i>	\$22.89	\$2.57	\$2.67	\$2.76	\$2.87
20	12	\$72.45	\$108.13	\$110.92	\$113.80	\$116.78	\$119.87
		<i>% Increase</i>	49.3%	2.6%	2.6%	2.6%	2.6%
		<i>\$ Increase</i>	\$35.69	\$2.78	\$2.88	\$2.98	\$3.09
29**	21	\$88.08	\$144.76	\$147.92	\$151.18	\$154.55	\$158.04
		<i>% Increase</i>	64.4%	2.2%	2.2%	2.2%	2.3%
		<i>\$ Increase</i>	\$56.68	\$3.16	\$3.26	\$3.37	\$3.49

**Scenario 3: 5 HCF Tier 1 (122 gpd)**

	2015/16		Fiscal Year					
	Current*		2016/17	2017/18	2018/19	2019/20	2020/21	
<b>Basic Rate</b>		\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97	
<b>Tier 1 Use (0 - 5 hcf)</b>			\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
<b>Tier 2 Use (&gt;5 hcf)</b>			\$2.62	\$2.65	\$2.67	\$2.70	\$2.73	
	<b>Monthly Use (HCF)</b>	<b>Tier 2 Use (HCF)</b>	<b>Monthly Bill</b>	<b>Projected Monthly Bills</b>				
	0	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
			% Increase	-1.8%	3.8%	3.8%	3.8%	3.9%
			\$ Increase	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
	5	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97
			% Increase	-1.8%	3.8%	3.8%	3.8%	3.9%
			\$ Increase	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
	10	5	\$60.37	\$72.40	\$74.81	\$77.32	\$79.92	\$82.62
			% Increase	19.9%	3.3%	3.4%	3.4%	3.4%
			\$ Increase	\$12.03	\$2.41	\$2.51	\$2.60	\$2.70
	15	10	\$64.90	\$85.50	\$88.05	\$90.69	\$93.43	\$96.28
			% Increase	31.7%	3.0%	3.0%	3.0%	3.0%
			\$ Increase	\$20.60	\$2.55	\$2.64	\$2.74	\$2.84
	20	15	\$72.45	\$98.60	\$101.28	\$104.06	\$106.94	\$109.93
			% Increase	36.1%	2.7%	2.7%	2.8%	2.8%
			\$ Increase	\$26.15	\$2.68	\$2.78	\$2.88	\$2.99
	29**	24	\$88.08	\$122.18	\$125.10	\$128.13	\$131.26	\$134.50
			% Increase	38.7%	2.4%	2.4%	2.4%	2.5%
			\$ Increase	\$34.10	\$2.93	\$3.03	\$3.13	\$3.24

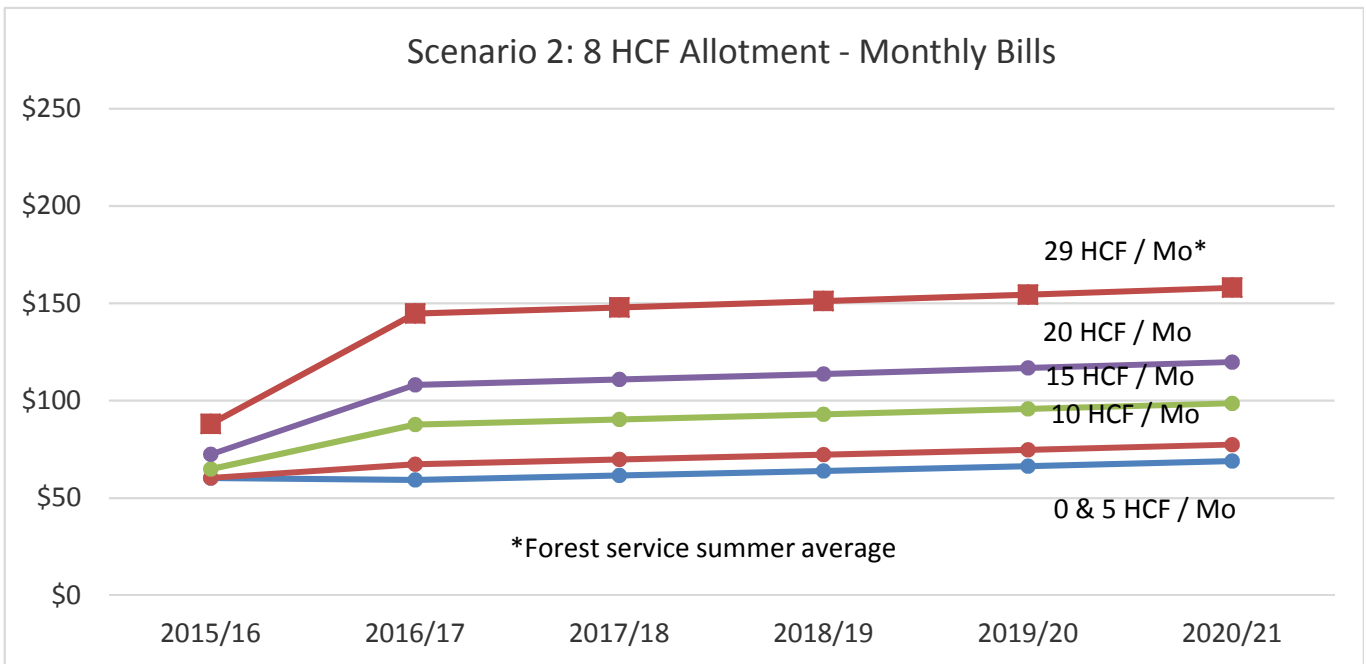
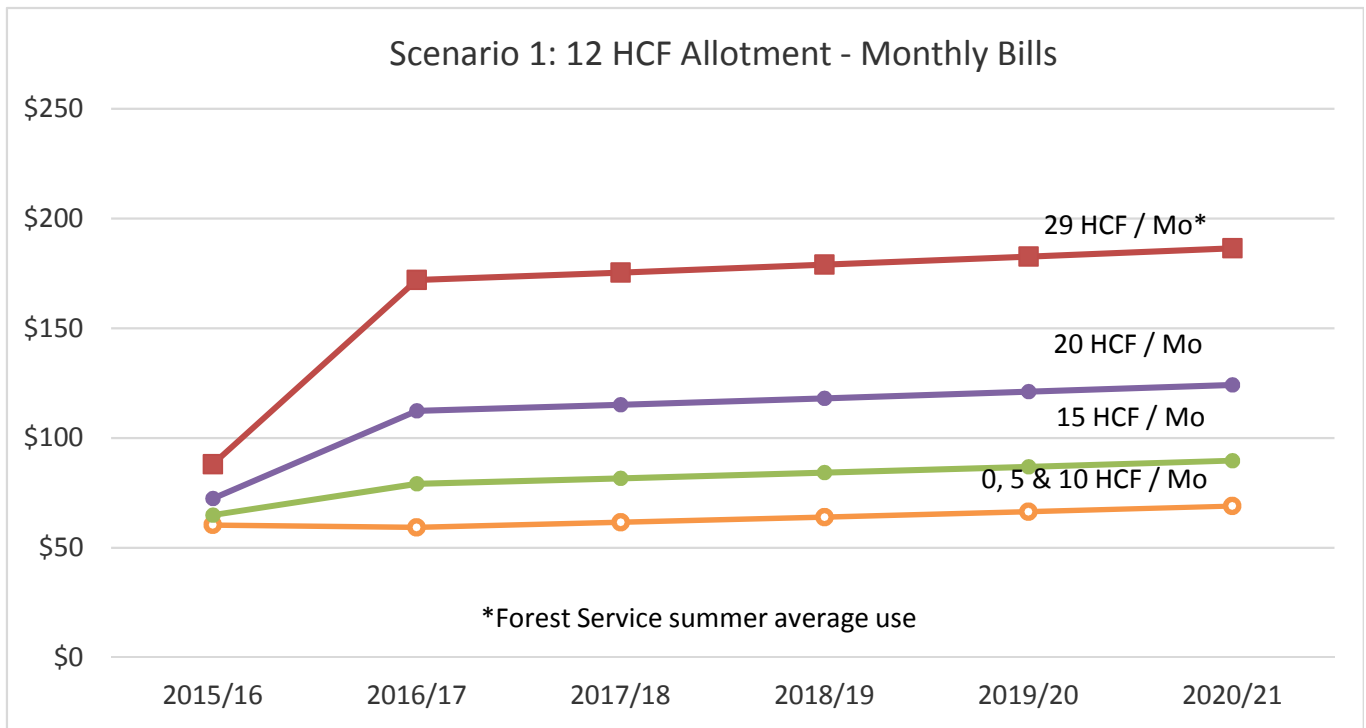
**Scenario 4: Eliminate Allotment**

	2015/16		Fiscal Year					
	Current*		2016/17	2017/18	2018/19	2019/20	2020/21	
<b>Basic Rate</b>		\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97	
<b>Uniform Rate</b>			\$1.15	\$1.16	\$1.17	\$1.19	\$1.20	
	<b>Monthly Use (HCF)</b>	<b>Monthly Bill</b>	<b>Projected Monthly Bills</b>					
	0	\$60.37	\$59.30	\$61.58	\$63.95	\$66.41	\$68.97	
			% Increase	-1.8%	3.8%	3.8%	3.8%	3.9%
			\$ Increase	(\$1.07)	\$2.28	\$2.37	\$2.46	\$2.56
	5	\$60.37	\$65.05	\$67.39	\$69.82	\$72.34	\$74.96	
			% Increase	7.7%	3.6%	3.6%	3.6%	3.6%
			\$ Increase	\$4.68	\$2.34	\$2.43	\$2.52	\$2.62
	10	\$60.37	\$70.79	\$73.19	\$75.68	\$78.26	\$80.95	
			% Increase	17.3%	3.4%	3.4%	3.4%	3.4%
			\$ Increase	\$10.42	\$2.40	\$2.49	\$2.58	\$2.68
	15	\$64.90	\$76.54	\$79.00	\$81.55	\$84.19	\$86.94	
			% Increase	17.9%	3.2%	3.2%	3.2%	3.3%
			\$ Increase	\$11.64	\$2.46	\$2.55	\$2.64	\$2.75
	20	\$72.45	\$82.29	\$84.80	\$87.41	\$90.12	\$92.93	
			% Increase	13.6%	3.1%	3.1%	3.1%	3.1%
			\$ Increase	\$9.84	\$2.52	\$2.61	\$2.70	\$2.81
	29**	\$88.08	\$92.63	\$95.25	\$97.97	\$100.78	\$103.71	
			% Increase	5.2%	2.8%	2.9%	2.9%	2.9%
			\$ Increase	\$4.55	\$2.62	\$2.72	\$2.81	\$2.92

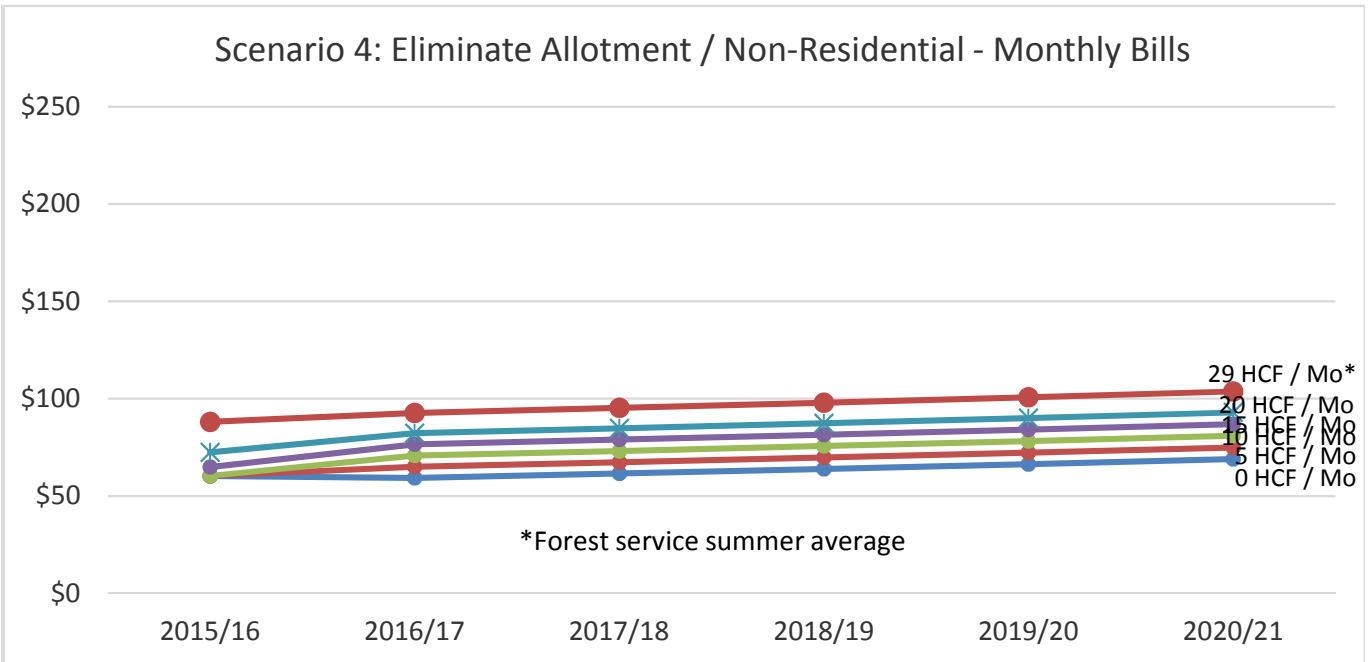
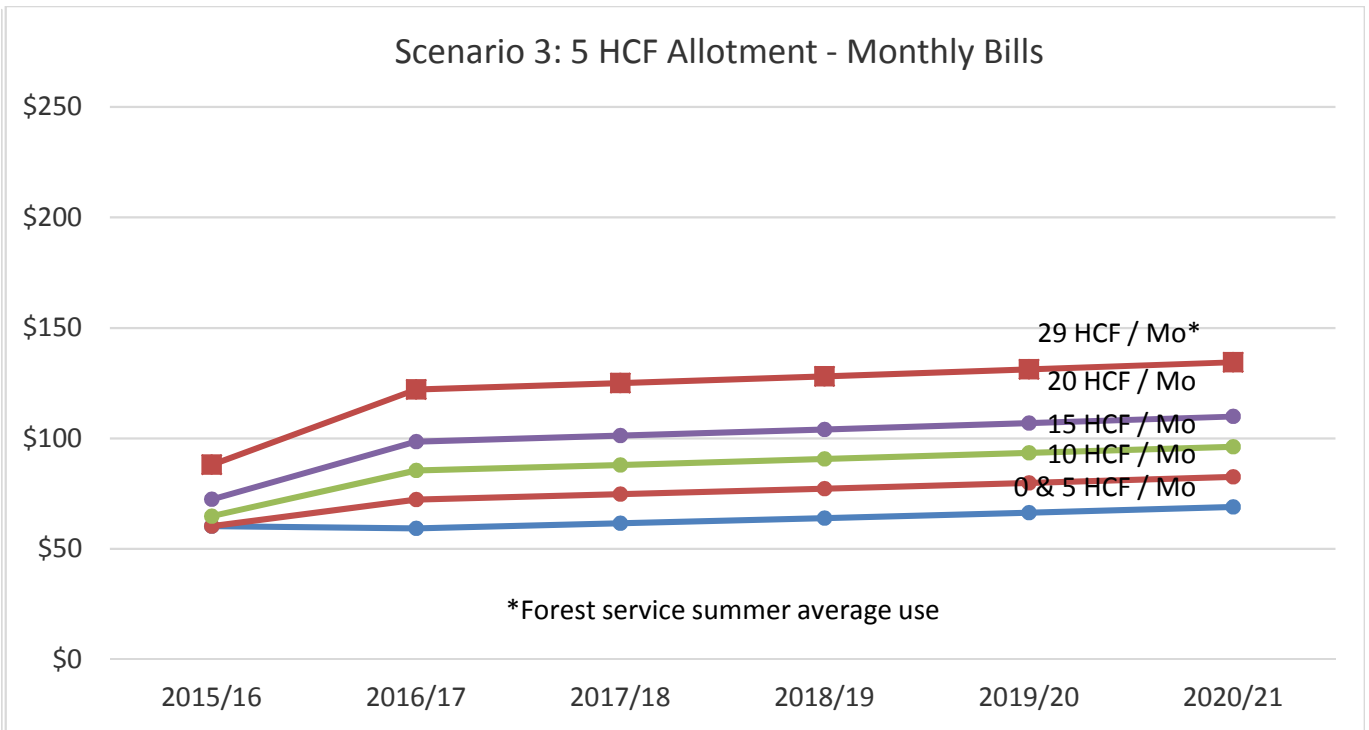
\*Full schedule of current rates shown in Appendix A

\*\*Forest Service historical two year summer average monthly use (July-October)

CHART E



### CHART E



---

**Table 13**  
**Grizzly Flats CSD**  
**Proposed Connection Fee**

---

**Summary of Proposed Connection Fee**

<u>District Assets</u>	<u>Original Cost</u>	<u>Est. Present Value</u>
Land	\$237,405	\$1,306,868
Equipment	81,643	24,998
Vehicles	40,619	13,803
<u>Water Plant</u>	<u>3,476,845</u>	<u>3,458,912</u>
Total	\$3,836,512	\$4,804,580
# of Active Connections +1	586	586
Fee Per Connection	\$6,547	\$8,199

---

**Appendix A**  
**Grizzly Flats CSD**  
**Current Rate Structure**

**Fixed Monthly Rate:** \$60.37

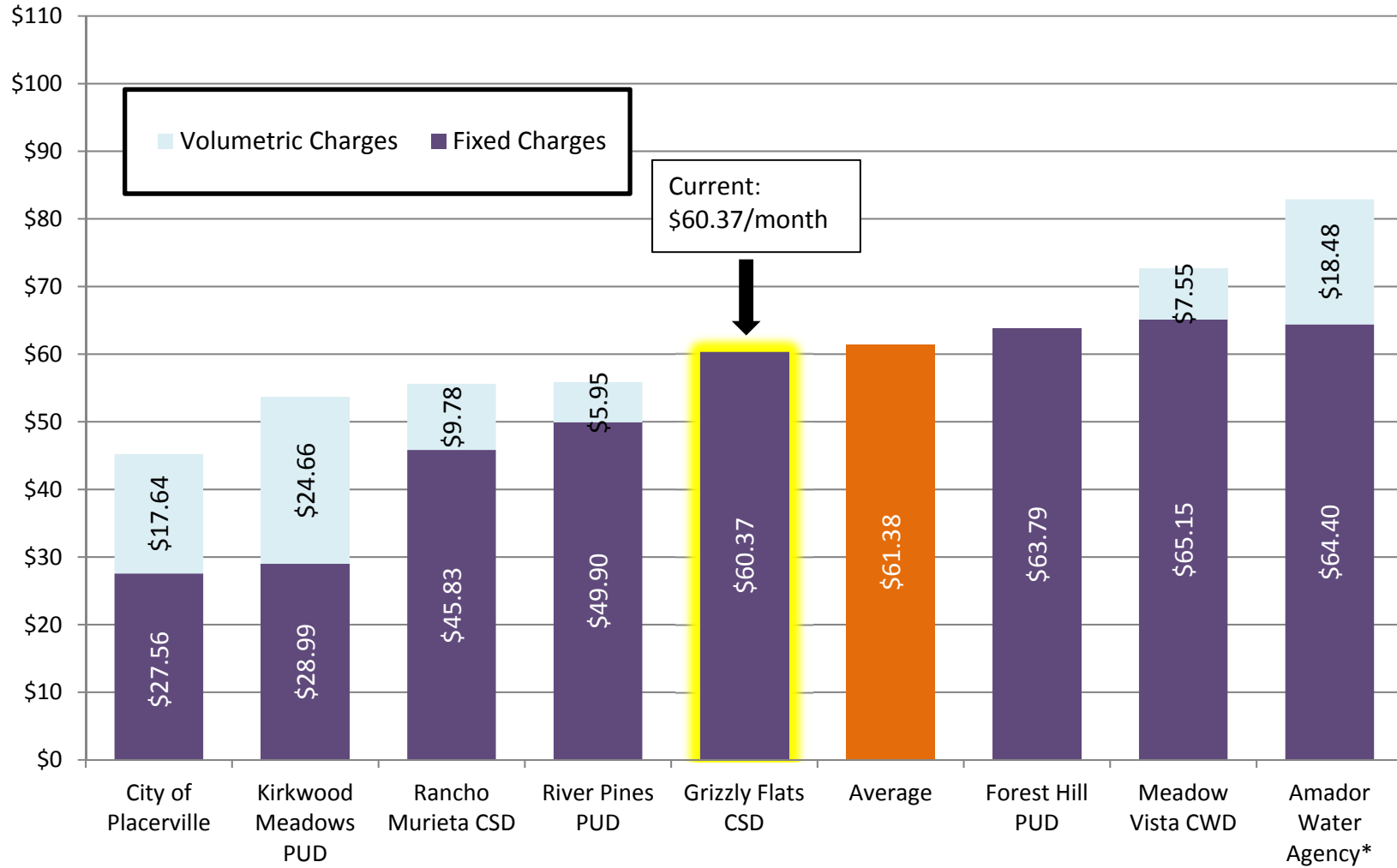
**Volumetric Rates**

<b>Tier</b>	<b>Rate per gallon</b>	<b>Average monthly water use - gallons per day (gpd)</b>	<b>Rate per hundred cubic foot<sup>1</sup></b>	<b>Average monthly water use - hundred cubic foot (hcf) per month</b>
1	\$0.00	0 - 300	\$0.00	0 - 12
2	0.002017	300 - 400	1.51	12 - 16
3	0.002020	400 - 500	1.51	16 - 20
4	0.002303	500 - 600	1.72	20 - 24
5	0.002337	600 - 700	1.75	24 - 29
6	0.002377	700 - 800	1.78	29 - 33
7	0.003450	800 - 900	2.58	33 - 37
8	0.003507	900 - 1000	2.62	37 - 41
9	0.003560	1000 - 1100	2.66	41 - 45
10	0.003613	1100 - 1200	2.70	45 - 49
11	0.003667	1200 - 1300	2.74	49 - 53
12	0.003717	1300 - 1400	2.78	53 - 57
13	0.003773	1400 - 1500	2.82	57 - 61
14	0.003827	1500 - 1600	2.86	61 - 65
15	0.003880	1600 - 1700	2.90	65 - 69
16	0.003933	1700 - 1800	2.94	69 - 73
17	0.003983	1800 - 1900	2.98	73 - 77
18	0.004040	1900 - 2000	3.02	77 - 82
19	0.004090	2000 - 2100	3.06	82 - 86
20	0.004143	2100 - 2200	3.10	86 - 90
21	0.004197	2200 - 2300	3.14	90 - 94
22	0.004247	2300 - 2400	3.18	94 - 98
23	0.004303	2400 - 2500	3.22	98 - 102
24	0.011140	2500 & over	8.33	>102

1 One hundred cubic foot = 748 gallons



**Appendix B:  
Single Family Residential Monthly Water Rates, March 2016  
Based on 6 ccf monthly water use, base meter size (3/4")**



\*Assumes customer is located in the LaMel area.