

POTENTIAL FOR REGION C MUNICIPAL WATER CONSERVATION

Potential Water Supply Amounts (ac-ft)

Strategy	Implementation Date	Conservation Package	2010	2020	2030	2040	2050	2060
Implement Plumbing Code	2010	Basic	33,173	66,839	98,074	129,088	155,182	176,304
Public and School Education	2010		27,971	41,491	55,952	72,598	93,080	118,615
Impact of Increasing Water Prices	2010		5,116	12,192	20,601	30,593	42,904	58,315
Water System Audit	2010		1,892	7,175	8,889	10,503	11,908	13,149
Implement New Federal Clothes Washer Standards	2010		7,798	33,557	38,613	43,823	49,569	56,021
<b>Basic Package Subtotal</b>			<b>75,949</b>	<b>161,254</b>	<b>222,130</b>	<b>286,605</b>	<b>352,644</b>	<b>422,405</b>
Water Conservation Pricing Structure	2010	Extended	2,164	5,354	6,340	7,225	7,980	8,542
Water Waste Prohibition	2020		0	1,706	4,187	4,864	5,427	5,946
Coin-Op Water-Efficient Clothes Washer Rebate	2020		0	201	1,725	1,909	2,133	2,414
ICI General Rebate	2020		0	1,044	12,013	17,575	19,398	22,118
ICI Water Audit	2020		0	210	2,424	4,629	5,095	5,760
Reuse	2010		225,796	316,604	343,819	427,217	434,290	486,751
<b>Extended Conservation Package Subtotal</b>			<b>227,961</b>	<b>325,119</b>	<b>370,508</b>	<b>463,418</b>	<b>474,323</b>	<b>531,530</b>
Showerhead and Faucet Aerator Retrofit	NA	Less	0	0	0	0	0	0
Residential Customer Audit	2010	Cost-Effective	264	1,634	1,980	2,295	2,630	3,000
Water-Efficient Toilet Rebate	2010		683	6,039	0	0	0	0
SF Water-Efficient Clothes Washer Rebate	2010		1,487	0	0	0	0	0
Landscape Irrigation Systems Rebate	2010		88	1,052	1,339	1,588	1,850	2,150
Landscape Design and Conversion	2010		29	324	377	422	471	528
<b>Less Cost-Effective Conservation Package Subtotal</b>			<b>2,550</b>	<b>9,049</b>	<b>3,696</b>	<b>4,306</b>	<b>4,952</b>	<b>5,679</b>

Municipal Water Demand (No Conservation)			1,567,870	1,895,672	2,158,182	2,423,574	2,729,449	3,092,074
Implement Plumbing Code			2.1%	3.5%	4.5%	5.3%	5.7%	5.7%
Reuse			14.4%	16.7%	15.9%	17.6%	15.9%	15.7%
Other Basic and Extended Conservation Strategies			2.9%	5.4%	7.0%	8.0%	8.7%	9.4%
<b>POTENTIAL FOR MUNICIPAL CONSERVATION</b>			<b>19.4%</b>	<b>25.7%</b>	<b>27.5%</b>	<b>30.9%</b>	<b>30.3%</b>	<b>30.9%</b>
Less Cost-Effective Conservation Package			0.2%	0.5%	0.2%	0.2%	0.2%	0.2%

Potential Annual Water Costs

Strategy	Implementation Date	Conservation Package	2010	2020	2030	2040	2050	2060
Implement Plumbing Code	2010	Basic	\$0	\$0	\$0	\$0	\$0	\$0
Public and School Education	2010		\$7,919,697	\$9,306,756	\$10,327,842	\$11,443,175	\$12,623,657	\$13,902,132
Impact of Increasing Water Prices	2010		\$0	\$0	\$0	\$0	\$0	\$0
Water System Audit	2010		\$1,396,063	\$1,536,419	\$1,829,420	\$2,173,168	\$2,431,862	\$2,687,450
Implement New Federal Clothes Washer Standards	2010		\$0	\$0	\$0	\$0	\$0	\$0
<b>Basic Package Subtotal</b>			<b>\$9,315,760</b>	<b>\$10,843,175</b>	<b>\$12,157,262</b>	<b>\$13,586,343</b>	<b>\$15,055,519</b>	<b>\$16,589,582</b>
Water Conservation Pricing Structure	2010	Extended	\$75,600	\$70,272	\$1,980	\$2,571	\$5,291	\$2,720
Water Waste Prohibition	2020		\$0	\$531,887	\$627,735	\$685,257	\$746,157	\$801,491
Coin-Op Water-Efficient Clothes Washer Rebate	2020		\$0	\$31,945	\$275,673	\$306,221	\$343,212	\$389,231
ICI General Rebate	2020		\$0	\$142,943	\$1,644,434	\$2,405,768	\$2,655,329	\$3,027,688
ICI Water Audit	2020		\$0	\$80,506	\$949,509	\$1,855,882	\$2,108,596	\$2,416,518
Reuse	2010		?	?	?	?	?	?
<b>Extended Conservation Package Subtotal</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>
Showerhead and Faucet Aerator Retrofit	NA	Less	\$0	\$0	\$0	\$0	\$0	\$0
Residential Customer Audit	2010	Cost-Effective	\$538,698	\$3,081,383	\$3,559,933	\$4,006,811	\$4,509,865	\$5,117,890
Water-Efficient Toilet Rebate	2010		\$1,192,764	\$7,624,044	\$0	\$0	\$0	\$0
SF Water-Efficient Clothes Washer Rebate	2010		\$2,067,072	\$0	\$0	\$0	\$0	\$0
Landscape Irrigation Systems Rebate	2010		\$336,540	\$3,667,111	\$4,260,636	\$4,782,566	\$5,381,851	\$6,102,544
Landscape Design and Conversion	2010		\$113,724	\$1,239,190	\$1,439,754	\$1,616,125	\$1,818,635	\$2,062,172
<b>Less Cost-Effective Conservation Package Subtotal</b>			<b>\$4,248,799</b>	<b>\$15,611,729</b>	<b>\$9,260,323</b>	<b>\$10,405,501</b>	<b>\$11,710,351</b>	<b>\$13,282,606</b>

Potential Unit Water Costs (\$/1,000 gallons)

Strategy	Implementation Date	Conservation Package	2010	2020	2030	2040	2050	2060
Implement Plumbing Code	2010	Basic	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Public and School Education	2010		\$0.87	\$0.69	\$0.57	\$0.48	\$0.42	\$0.36
Impact of Increasing Water Prices	2010		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Water System Audit	2010		\$2.26	\$0.66	\$0.63	\$0.64	\$0.63	\$0.63
Implement New Federal Clothes Washer Standards	2010		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Basic Package Subtotal</b>			<b>\$0.38</b>	<b>\$0.21</b>	<b>\$0.17</b>	<b>\$0.15</b>	<b>\$0.13</b>	<b>\$0.12</b>
Water Conservation Pricing Structure	2010	Extended	\$0.11	\$0.04	\$0.00	\$0.00	\$0.00	\$0.00
Water Waste Prohibition	2020		-	\$0.99	\$0.46	\$0.43	\$0.42	\$0.41
Coin-Op Water-Efficient Clothes Washer Rebate	2020		-	\$0.49	\$0.49	\$0.49	\$0.49	\$0.49
ICI General Rebate	2020		-	\$0.42	\$0.42	\$0.42	\$0.42	\$0.42
ICI Water Audit	2020		-	\$1.17	\$1.20	\$1.23	\$1.27	\$1.29
Reuse	2010		?	?	?	?	?	?
<b>Extended Conservation Package Subtotal</b>			<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>	<b>?</b>
Showerhead and Faucet Aerator Retrofit	NA	Less	-	-	-	-	-	-
Residential Customer Audit	2010	Cost-Effective	\$6.27	\$5.79	\$5.52	\$5.36	\$5.26	\$5.23
Water-Efficient Toilet Rebate	2010		\$5.36	\$3.87	-	-	-	-
SF Water-Efficient Clothes Washer Rebate	2010		\$4.27	-	-	-	-	-
Landscape Irrigation Systems Rebate	2010		\$11.78	\$10.70	\$9.77	\$9.24	\$8.93	\$8.71
Landscape Design and Conversion	2010		\$11.94	\$11.72	\$11.71	\$11.74	\$11.84	\$11.98
<b>Less Cost-Effective Conservation Package Subtotal</b>			<b>\$5.91</b>	<b>\$5.29</b>	<b>\$7.69</b>	<b>\$7.42</b>	<b>\$7.26</b>	<b>\$7.18</b>

NOTE: Some of the reuse supply under municipal water conservation may belong under manufacturing. Reuse supply estimated from existing projects and projects proposed in the previous plan. Also includes proposed NTMWD East Fork Reuse Project. Does not include other proposed reuse projects or existing water right applications.