

Town of Discovery Bay CSD

Proposed Water & Sewer Rates 2011/12 & 2012/13

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Goals of Rate Development

- Fund 2 year revenue requirements
 - Operating expenses
 - Capital improvements
 - Replacement funding
- Recover costs proportionate to use Prop. 218
 - Develop updated rate structures for each system

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Operating Expenses



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Water CIP & Replacement Funds

	<u>2011/12</u>	<u>2012/13</u>
■ Projects		
■ New well No. 7	\$40,000	\$575,000
■ Rehab wells	\$30,000	\$30,000
■ Well transducers/Wellhead survey	\$36,000	
■ Water meter trailer	\$20,000	
■ Other projects	\$34,000	\$75,000
■ Total Projects	\$160,000	\$680,000
■ Infrastructure Replacement Funds		
■ Pumps/motors replacements	\$24,000	\$60,000
■ Water facilities replacements	\$94,000	\$100,000
■ Facilities and vehicles replacements	\$40,000	\$20,000
■ Total Replacement Funding	\$158,000	\$180,000

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Sewer CIP & Replacement Funds

	<u>2011/12</u>	<u>2012/13</u>
■ Projects		
■ Solar dryers and belt presses	\$800,000	\$800,000
■ Reactivate pump station "W"	\$20,000	\$358,000
■ Influent pump station modifications		\$90,000
■ Carport for equipment	\$110,000	
■ Salinity project	\$70,000	
■ Other projects	<u>\$260,000</u>	<u>\$132,000</u>
■ Total Projects	\$1,260,000	\$1,380,000
■ Infrastructure Replacement Funds		
■ Pumps/motors replacements	\$16,000	\$40,000
■ Sewer facilities replacements	\$150,000	\$150,000
■ Facilities and vehicles replacements	<u>\$60,000</u>	<u>\$30,000</u>
■ Total replacement funding	\$226,000	\$220,000

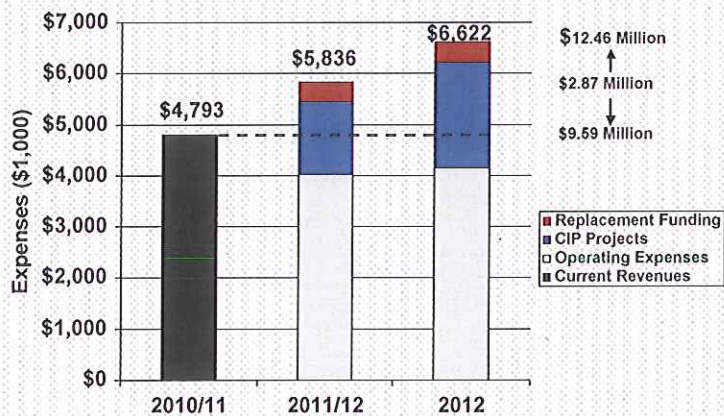
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CIP and Replacement Funding



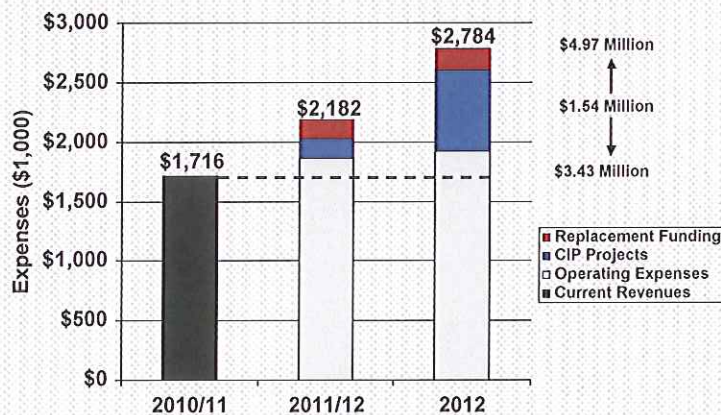
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Total Revenue Requirements



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Water Revenue Requirements



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Revenue from Water Rates



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Residential Water Usage

Residential Parcel Size (Square Feet)	Option 1 Water Use (ccf/month)	Option 2 Water Use (ccf/month)
Unmetered Multiple Family/ Condos No Irrigation Use		9.75
Unmetered - Under 5,000 SF	17.25	17.25
Unmetered - 5,000-10,000 SF	23.00	23.00
Unmetered - 10,001-15,000 SF	28.75	28.75
Unmetered - Each Additional 1,000 SF	1.92	1.92
Metered - Single Family	18.00	18.00

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2011/12 Water Unit Costs

Cost Type	Allocation Basis	2011/12 Unit Costs Option 1	2011/12 Unit Costs Option 2	Applies to Rates
Usage	Volume	\$1.093/ ccf	\$1.104/ ccf	All
Fire Protection	Accounts	\$4.75/ month	\$4.75/ month	All, except Irrigation
Metered Billing	Meters	\$1.58/ month	\$1.58/ month	Metered
Meter Maintenance	Meter Size	\$1.04/ month (1" meter)	\$1.04/ month (1" meter)	Metered

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2011/12 Water Rates

Unmetered Monthly Rates

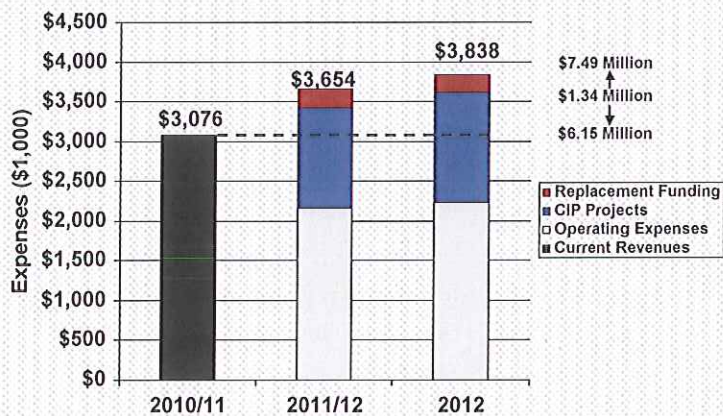
Residential Parcel Size	2010/11 Existing Rates	2011/12 Option 1	2011/12 Option 2
Multiple Family - No Irrigation	\$18.75	\$23.62	\$15.52
Under 5,000 SF	\$18.75	\$23.62	\$23.80
5,000 - 10,000 SF	\$23.77	\$29.90	\$30.15
10,001 - 15,000 SF	\$28.79	\$36.19	\$36.50
Each Additional 1,000 SF	\$1.67	\$2.10	\$2.12

Metered Rates

Customer Type	2010/11		2011/12		
	Account (\$/month)	Usage (\$/ccf)	Account (\$/month)	Usage Option 1	Usage Option 2
Residential	\$5.74	\$0.803	\$7.37	\$1.093	\$1.104
Nonresidential	\$5.49 - \$17.73	\$0.803	\$7.07 - \$21.86	\$1.093	\$1.104
Irrigation	\$1.80 - \$14.04	\$0.803	\$2.32 - \$17.10	\$1.093	\$1.104

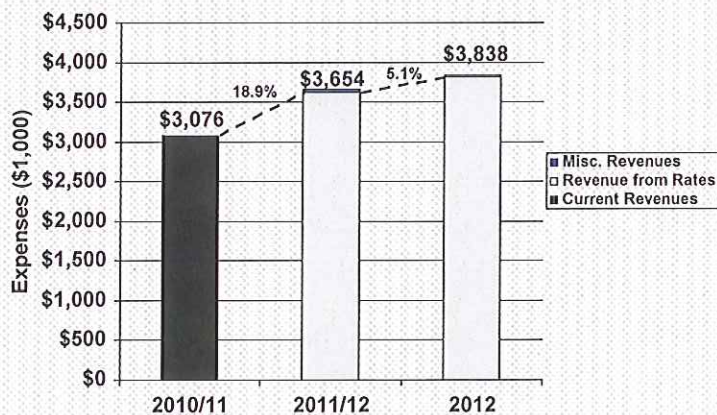
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Sewer Revenue Requirements



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Revenue from Sewer Rates



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Residential Sewer Usage

Residential Classification	Sewer Use (ccf/month)
Multiple Family/Condos	9.75
Single Family	13.00

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Pollutant Strengths

User Classification	BOD (mg/l)	Suspended Solids (mg/l)
Residential	175	200
Business/Government/Clubs	150	150
Restaurants/Bars/Dining	1,000	600
Schools	130	100
Other Domestic Strength Users	150	150

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2011/12 & 2012/13 Sewer Rates

Residential Rates

Residential Classification	2010/11 Existing Rates (\$/month)	2011/12 (\$/month)	2012/13 (\$/month)
Residential Usage Rate	\$3.414/ccf	\$4.078/ccf	\$4.291/ccf
Multiple Family, Condos	\$33.29/month	\$39.76/month	\$41.83/month
Single Family	\$44.38/month	\$53.02/month	\$55.78/month

Metered Nonresidential Rates

User Classification	2010/11 Existing Rates (\$/ccf)	2011/12 (\$/ccf)	2012/13 (\$/ccf)
Business/Government/Clubs	\$3.082	\$3.682	\$3.874
Restaurants/Bars/Dining	\$9.048	\$10.783	\$11.344
Schools	\$2.773	\$3.314	\$3.487
Other Domestic Strength Users	\$3.082	\$3.682	\$3.874

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Total Residential Charges Option 1 - Existing Rate Structure

User Classification	2010/11 (\$/year)	2011/12 (\$/year)	2011/12 Increase		2012/13 (\$/year)	2012/13 Increase	
			(\$/year)	%		(\$/year)	%
Multiple Family/Condos	\$624	\$761	\$137	21.8%	\$870	\$109	14.4%
Single Family Under 5,000 SF	\$758	\$920	\$162	21.4%	\$1,037	\$117	12.8%
Single Family 5,000 - 10,000 SF	\$818	\$995	\$177	21.7%	\$1,134	\$139	14.0%
Single Family 10,001 - 15,000 SF	\$878	\$1,070	\$192	21.9%	\$1,231	\$161	15.0%
Single Family Metered 18 ccf/month	\$775	\$961	\$186	24.0%	\$1,083	\$122	12.7%

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Total Residential Charges

Option 2 - Existing Rate Structure with Multiple Family Rate Adjustment

User Classification	2010/11 (\$/year)	2011/12 (\$/year)	2011/12 Increase		2012/13 (\$/year)	2012/13 Increase	
			(\$/year)	%		(\$/year)	%
Multiple Family/Condos No Irrigation Use	\$624	\$663	\$39	6.2%	\$746	\$83	12.4%
Multiple Family/Condos	\$624	\$763	\$139	22.2%	\$873	\$110	14.5%
Single Family Under 5,000 SF	\$758	\$921	\$163	21.7%	\$1,040	\$119	12.9%
Single Family 5,000 - 10,000 SF	\$818	\$998	\$180	22.0%	\$1,138	\$140	14.0%
Single Family 10,001 - 15,000 SF	\$878	\$1,074	\$196	22.3%	\$1,235	\$161	15.0%
Single Family Metered 18 ccf/month	\$775	\$963	\$188	24.3%	\$1,086	\$123	12.7%

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Two Year Rate Program

Annual Increases	2011/12	2012/13	Two-Year Average
Water Rates	27.4%	27.8%	27.6%
Sewer Rates	18.9%	5.1%	11.8%
Total Rates	22.0%	13.6%	17.7%

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