Commerce Water System 10-Year Capital Improvement Program

	Asset Description	CIP Description	Asset Installation	Useful Life	Replacement Year	Year 1 2016/2017	Year 2 2017/2018	Year 3 2018/2019	Year 4 2019/2020	Year 5 2020/2021	Year 6 2021/2022	Years 7-10 2022+
1	**Station 3E**											
2	Well in standby	destruction				$ 104,000						
3	Water Well	planning, design, constructior	1948	50	1998					$ 300,000	$ 1,700,000	$ 1,700,000
4	Well Pump & Motor		1986	20	2006							$ 75,000.00
5	Panelboard	replacement of circuit board	1994	20	2014				$ 300,000			
6	Pump and Motor A		2012	20	2032							
7	Pump and Motor B		2012	20	2032							
8	Pump and Motor C		2012	20	2032							
9	Reservoir - Tank 1		1952	75	2027							
10	**Station 4**											
11	Water Well	planning, design, constructior	1917	50	1967	$ 300,000	$ 900,000	$ 800,000				
12	Well Pump & Motor		2007	20	2027							
13	Water Treatment Plant	GAC vessels	2007	20	2027							
14	Panelboard	replacement of circuit board	1953	20	1973		$ 300,000					
15	Generator		2001	20	2021						$ 300,000	$ 300,000
16	Pump and Motor A		2012	20	2032							
17	Pump and Motor B		2014	20	2034							
18	Pump and Motor C	replacement	1987	20	2007	$ 100,000						
19	Reservoir - Tank 1	replacement of storage tank	1949	75	2024						$ 1,000,000	$ 1,000,000
20	**Station 5**											
21	Panelboard	replacement of circuit board	1973	20	1993	$ 300,000						
22	Pump and Motor A		2012	20	2032							
23	Pump and Motor B		2010	20	2030							
24	Pump and Motor C	replacement	1973	20	1993		$ 100,000					
25	Reservoir - Tank 1		1951	75	2026							
26	Reservoir - Tank 2		1965	75	2040							
27	**Station 6 - standby**											
28	Water Well		1986	50	2036							
29	Well Pump and Motor		2014	20	2034							
30	Water Treatment Plant		2008	20	2028							
31	Panelboard	replacement of circuit board	1999	20	2019				$ 300,000			$ 300,000
32	**Station 7 - proposed location of new well to replace Station 4's well.**											
33	Water Well	planning, design, constructior	1938	50	1988				$ 300,000	$ 700,000	$ 1,000,000	
34	Well Pump and Motor		2007	20	2027							
35	Water Treatment Plant		2002	20	2022							$ 2,000,000
36	Panelboard	replacement of circuit board	1989	20	2009			$ 300,000				
37	Generator	replacement	1988	20	2008			$ 300,000				
38	Pump and Motor A		2002	20	2022						$ 75,000	$ 75,000
39	Pump and Motor B		2002	20	2022						$ 75,000	$ 75,000
40	Pump and Motor C	replacement	1988	20	2008		$ 100,000					
41	Reservoir		1987	75	2062							
42					Sub Total Pump Stations	$ 804,000	$ 1,400,000	$ 1,400,000	$ 900,000	$ 1,000,000	$ 4,150,000	$ 5,525,000
43	Distribution Pipe (~2% every other yr/1,000 linear ft.) - 27 miles total				Sub Total Distribution	$ 361,000	$ 339,000		$ 700,000		$ 700,000	$ 2,100,000
44	Matching grant - Prop. 84 for smart meters thru GWMA						$ 100,000					
					Total Annual Cost*	**$1,165,000**	**$ 1,739,000**	**$ 1,400,000**	**$ 1,600,000**	**$ 1,000,000**	**$ 4,850,000**	**$ 7,625,000**

= Past Due Replacement

*Exclusive of future land purchase costs for new wells.

Asset Name	Asset Description	Asset Type	Estimated Asset Installation Date	Useful Life of Assest *	Cost of Asset Replacement		Remarks
176-003-W	___ Well Depth	Water Well	1948	50	$	2,000,000.00	Currently Offline / DDW Inactive
176-003-001	____gpm	Well Pump & Motor	1986	20	$	75,000.00	
176-003-PB	Panelboard	Panelboard	1994	20	$	300,000.00	
176-003-A	COM_3E_A	Booster Pump & Motor	2012	20	$	75,000.00	
176-003-B	COM_3E_B	Booster Pump & Motor	2012	20	$	75,000.00	
176-003-C	COM_3E_C	Booster Pump & Motor	2012	20	$	75,000.00	
176-003-T1	0.5 Million Gallons	Steel Reservior	1952	75	$	1,000,000.00	
176-004-W	408' Well Depth	Water Well	1917	50	$	2,000,000.00	
176-004-01	800 gpm	Well Pump & Motor	2007	20	$	75,000.00	
176-004-WTP	GAC	Treatment System	2007	20	$	1,000,000.00	
176-004-PB	Panelboard	Panelboard	1953	20	$	300,000.00	
176-004-AUX	Auxillary	Generator	2001	20	$	300,000.00	
176-004-A	COM_4_A	Booster Pump & Motor	2012	20	$	75,000.00	
176-004-B	COM_4_B	Booster Pump & Motor	2014	20	$	75,000.00	
176-004-C	COM_4_C	Booster Pump & Motor	1987	20	$	75,000.00	
176-004-T1	0.7 Million Gallons	Steel Reservior	1949	75	$	1,000,000.00	
176-005-PB	Panelboard	Panelboard	1973	20	$	300,000.00	
176-005-A	COM_5_A	Booster Pump & Motor	2012	20	$	75,000.00	
176-005-B	COM_5_B	Booster Pump & Motor	2010	20	$	75,000.00	
176-005-C	COM_5_C	Booster Pump & Motor	1973	20	$	75,000.00	
176-005-T1	1 Million Gallons	Steel Reservior	1951	75	$	1,800,000.00	
176-005-T2	1 Million Gallons	Steel Reservior	1965	75	$	1,800,000.00	
176-006-W	510' Well Depth	Water Well	1986	50	$	2,000,000.00	
176-006-01	700 gpm	Well Pump & Motor	2014	20	$	75,000.00	
176-006-WTP	Greensand	Treatment System	2008	20	$	1,000,000.00	
176-006-PB	Panelboard	Panelboard	1999	20	$	300,000.00	
176-007-W	550' Well Depth	Water Well	1938	50	$	2,000,000.00	
176-007-01	1100 gpm	Well Pump & Motor	2007	20	$	75,000.00	
176-007-WTP	Greensand	Treatment System	2002	20	$	100,000.00	
176-007-PB	Panelboard	Panelboard	1989	20	$	300,000.00	
176-007-AUX	Auxillary	Generator	1988	20	$	300,000.00	
176-007-A	COM_7_A	Booster Pump & Motor	2002	20	$	75,000.00	
176-007-B	COM_7_B	Booster Pump & Motor	2002	20	$	75,000.00	
176-007-C	COM_7_C	Booster Pump & Motor	1988	20	$	75,000.00	
176-007-T1	2 Million Gallons	Steel Reservior	1987	75	$	3,000,000.00	
176-Dist	26.6 miles	Pipes and Appurtenances	1940 - 2017	75			Various Sizes
							Total Capital Cost

*Useful Life of Facility Based on East LA 2007 Water Supply and Facilitites Master Plan

Cal Water - East LA

East LA Water Supply Plan	
Years	Asset
75	Pipeline
20	Pumps and Wellhead Treatment Plants -Mechanical/Electrical
10	Pumps and Wellhead Treatment Plants -Rotating Parts/Refurbishment
50	Pumps and Wellhead Treatment Plants -Rotating Parts/Replacement
75	Steel Tanks
50	Wells
75	Distribution System Appurtenances

	106 Specific Capital	106 Non-Specific Capital	
2010	$ 6,126,986	$ 895,600	$ 7,022,586
2011	$ 2,925,694	$ 913,900	$ 3,839,594
2012	$ 9,434,751	$ 937,900	$ 10,372,651
2013	$ 4,471,231	$ 1,255,500	$ 5,726,731
2014	$ 5,390,457	$ 1,305,700	$ 6,696,157
2015	$ 3,691,866	$ 1,337,550	$ 5,029,416
Average	$ 5,340,164	$ 1,107,692	$ 6,447,856

Commerce - Water System

1,200	Commerce - Total Connections
$ 238.81	Cal Water - Captial Cost per Connection
$ 286,571.37	

27000	Total Connections
6 year running average capital per customer connection	
$ 197.78	Specific
$ 41.03	Non-Specific
$ 238.81	Total Capital

Commerce Mainline Data		
27	Miles	140,642 feet (26.6 miles)
1940	Oldest	
2011	Newest	
61	Weighted Average Age (estimated)	
AC, CI, DI, PVC, Steel		
2 to 16 inches in diameter		
For COM $250/foot used due to paving.		
Due to Commerce area's will use $250 /ft		
0.010%	Per year Replacement Plan	
140642	Feet	
1406.42	Feet Per Year	
$ 250.00	Per Foot	
$ 351,605.00	Annual Capital	