



*Water System 2013-2022  
Capital Project List*

*Appendix K*



**CITY OF HAMILTON  
WATER SYSTEM  
2013 - 2022 CAPITAL BUDGET LIST (000's)**

Ward (s)	Project Number	Project Description	Pre 2013		2013		2014		2015		2016-2022		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
<b>Rehabilitation, Replacement, &amp; Upgrade Programs (SAM)</b>																
City Wide	4031414405	Contaminated Soil & Rock Disposal Program	0	0	0	0	250	250	0	0	750	750	1,000	1,000	2013	Ongoing
City Wide	5140755701	Source Protection Planning	1,670	350	400	400	0	0	0	0	0	0	2,070	750	2007	2013
City Wide	5140855851	Water Efficiency Plan/Program	1,100	800	100	100	0	0	0	0	0	0	1,200	900	2008	2013
City Wide	5140955922	Water Loss Audit	700	250	200	200	200	200	200	200	200	200	1,500	1,050	2009	2016
City Wide	5140957644	Intergraph Software - Corporate Site License	0	0	340	340	350	350	0	0	0	0	690	690	2009	2014
9	5141061303	Valve Chamber No 3 – First Road West/Isaac Brock at escarpment	950	0	840	840	0	0	0	0	0	0	1,790	840	2010	2013
City Wide	5141161502	Water Meter - Installation/Replacement/Repair - General Maintenance	2,000	0	5,000	5,000	5,000	5,000	0	0	0	0	12,000	10,000	2011	2014
4	5141241226	Centralized Water and Wastewater Operations Centre	500	0	500	500	0	0	0	0	5,000	5,000	6,000	5,500	2012	2017
City Wide	5141255212	Operations Security Assessment	100	0	220	220	0	0	0	0	0	0	320	220	2012	2013
City Wide	5141269250	HVAC system Upgrades at New Environmental Laboratory and Administration Building	2,470	0	430	430	0	0	0	0	0	0	2,900	430	2012	2013
City Wide	5141311101	Road Restoration Program	0	0	2,400	2,400	2,400	2,400	1,000	1,000	11,900	11,900	17,700	17,700	2013	Ongoing
City Wide	5141349555	QA-QC Service Contract Program	0	0	100	100	100	100	100	100	700	700	1,000	1,000	2013	Ongoing
City Wide	5141357626	Critical Watermain Inspection Program	0	0	500	500	250	250	250	250	1,750	1,750	2,750	2,750	2013	Ongoing
4	5141360072	Watermain Structural Lining - Brampton/Rennie/Branaby/Corbett/Quebec/Waterloo	0	0	2,000	2,000	0	0	0	0	0	0	2,000	2,000	2013	2013
11	5141360072	Watermain Structural Lining - Homestead - Upper James to Airport (north section)	0	0	1,420	1,420	0	0	0	0	0	0	1,420	1,420	2013	2013
4	5141360072	Watermain Structural Lining - Mountain Ave N and Gemma Court	0	0	650	650	0	0	0	0	0	0	650	650	2013	2013
11	5141360072	Watermain Structural Lining - Rosepark//Bel-Air/Helena/Glenholme	0	0	890	890	0	0	0	0	0	0	890	890	2013	2013
City Wide	5141360080	Valve Replacement Program	0	0	750	750	750	750	750	750	5,250	5,250	7,500	7,500	2013	Ongoing
3, 4	5141360344	Burlington St Trunk Main Inspection	0	0	600	600	0	0	0	0	0	0	600	600	2013	2013
City Wide	5141360711	PW Capital Water Consumption Program	0	0	50	50	50	50	50	50	350	350	500	500	2013	Ongoing

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<b>Rehabilitation, Replacement, &amp; Upgrade Programs (SAM)</b>																
City Wide	5141360750	Unscheduled Valve, Hydrant, Watermain & Misc Water Replace Program	0	0	1,000	1,000	1,500	1,500	1,500	1,500	8,000	8,000	12,000	12,000	2013	Ongoing
10	5141361300	Belgraden - Seaman to South Service / Seaman - Millen to Belgrade	0	0	550	0	0	0	0	0	0	0	550	0	2013	2013
3	5141361300	Landsdown - Sherman to Lottridge	0	0	510	510	0	0	0	0	0	0	510	510	2013	2013
8	5141361300	Scenic Drive: 1009 to 1097	0	0	240	240	240	240	0	0	0	0	480	480	2013	2014
City Wide	5141362073	Field Data Systems Program	0	0	110	110	100	100	100	100	700	700	1,010	1,010	2013	Ongoing
City Wide	5141362078	Substandard Water Service Replacement Program	0	0	1,200	1,200	1,200	1,200	1,200	1,200	7,400	7,400	11,000	11,000	2013	Ongoing
City Wide	5141371074	Contingency for Unscheduled Works Program	0	0	0	0	250	250	250	250	1,750	1,750	2,250	2,250	2013	Ongoing
4	5141371310	SERG - Maple - Huxley to Wexford	70	0	70	0	0	0	0	0	0	0	140	0	2013	2013
2	5141461300	Birch - Burlington to Barton	0	0	0	0	430	430	0	0	0	0	430	430	2014	2014
1	5141461300	Bowman - Willowcrest to South End	0	0	0	0	50	50	330	330	0	0	380	380	2014	2015
4	5141461300	Tragina - Vansitmart to North End	0	0	0	0	340	340	0	0	0	0	340	340	2014	2014
11	5141561300	Lewis - Hwy # 8 to Barton	0	0	0	0	0	0	100	100	450	450	550	550	2015	2016
4	5141761300	Auburn - Central to south end & Central - Auburn to Rogers	0	0	0	0	0	0	0	0	300	300	300	300	2017	2017
			<b>9,560</b>	<b>1,400</b>	<b>21,070</b>	<b>20,450</b>	<b>13,460</b>	<b>13,460</b>	<b>5,830</b>	<b>5,830</b>	<b>44,500</b>	<b>44,500</b>	<b>94,420</b>	<b>85,640</b>		
<b>Projects Coordinated with Roads Program</b>																
City Wide	5141370000	Coordinated Road and Subsurface Works	0	0	8,100	4,900	3,940	3,940	3,000	3,000	21,000	21,000	36,040	32,840	2013	Ongoing
5	5141371301	Barton - Nash to Centennial	0	0	1,950	1,950	0	0	0	0	0	0	1,950	1,950	2013	2013
4	5141371301	Bingham - Glengrove to Hayes, Ayr - Council Priority	0	0	290	290	0	0	0	0	0	0	290	290	2013	2013
6	5141371301	Broker - Upper Ottawa to Upper Kenilworth - Council Priority	0	0	650	650	0	0	0	0	0	0	650	650	2013	2013
5	5141371301	Centennial Parkway - Arrowsmith to Goderich	0	0	880	880	0	0	0	0	0	0	880	880	2013	2013
8	5141371301	Chesley / Chester / Annabelle Urbanization - Council Priority	0	0	940	940	0	0	0	0	0	0	940	940	2013	2013

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			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
<b>Projects Coordinated with Roads Program</b>																
3	5141371301	Clyde - Cannon to Wright and Wright - Leeming to West End - Council Priority	0	0	480	480	0	0	0	0	0	0	480	480	2013	2013
3	5141371301	Connaught - Barton to South limit - Council Priority	0	0	260	260	0	0	0	0	0	0	260	260	2013	2013
4	5141371301	Craigroyston - Queenston to King - Council Priority	0	0	940	940	0	0	0	0	0	0	940	940	2013	2013
1	5141371301	Dromore - King St W to Marion - Council Priority	0	0	640	640	0	0	0	0	0	0	640	640	2013	2013
4	5141371301	Dunsmure - Kenilworth to Walter - Council Priority	0	0	680	680	0	0	0	0	0	0	680	680	2013	2013
2	5141371301	Ferguson / Aurora - Council Priority	0	0	360	360	0	0	0	0	0	0	360	360	2013	2013
10	5141371301	Highway 8 - Gray to King	0	0	1,750	1,750	0	0	0	0	0	0	1,750	1,750	2013	2013
4	5141371301	Julian - Barton to Melvin - Council Priority	0	0	170	170	0	0	0	0	0	0	170	170	2013	2013
4	5141371301	Kenilworth - Merchison to Burlington	0	0	1,200	300	0	0	0	0	0	0	1,200	300	2013	2013
7	5141371301	Queensdale - Upper Wentworth to Upper Sherman - Council Priority	0	0	680	680	0	0	0	0	0	0	680	680	2013	2013
6	5141371301	Salmond Court - Upper Ottawa to west end - Council Priority	0	0	70	70	0	0	0	0	0	0	70	70	2013	2013
8	5141371301	Sanatorium - Redfern to Rice/Chedmac	0	0	430	430	0	0	0	0	0	0	430	430	2013	2013
2	5141471301	Alanson / Grant / Ontario / Erie / Blythe / Emerald	0	0	0	0	250	250	0	0	0	0	250	250	2014	2014
3, 4	5141471301	Burlington & Industrial - Ottawa to Kenilworth	0	0	0	0	100	100	2,300	2,300	0	0	2,400	2,400	2014	2015
9	5141471301	Centennial Parkway - King to Barton	0	0	0	0	2,100	2,100	0	0	0	0	2,100	2,100	2014	2014
4	5141471301	Cope - Main to Britannia - Council Priority	0	0	0	0	700	700	0	0	0	0	700	700	2014	2014
13	5141471301	Don/Dunning/Colmar/Osler & Grant - Osler to Don - Council Priority	0	0	0	0	70	70	700	700	0	0	770	770	2014	2015
1	5141471301	Franklin / Norwood / Edgevale / Dufferin / Parkview / Freeland - Council Priority	0	0	0	0	360	360	0	0	0	0	360	360	2014	2014
9	5141471301	King - Battlefield to Lake - Council Priority	0	0	0	0	600	600	0	0	0	0	600	600	2014	2014
1, 13	5141471301	Osler / Main - South St to Cootes	0	0	0	0	1,000	1,000	0	0	0	0	1,000	1,000	2014	2014

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<b>Projects Coordinated with Roads Program</b>																
13	5141471301	Park - Cross to York Road	0	0	0	0	290	290	0	0	0	0	290	290	2014	2014
7	5141471301	Queensdale - Upper Wellington to Upper Wentworth - Council Priority	0	0	0	0	700	700	0	0	0	0	700	700	2014	2014
9	5141471301	Upper Lake Avenue / Roselle / Marion - Council Priority	0	0	0	0	530	530	0	0	0	0	530	530	2014	2014
8	5141471301	West 5th - Mohawk College to Fennell / Fennell	0	0	0	0	360	360	0	0	0	0	360	360	2014	2014
8	5141471301	West 5th - Stone Church to LINC (SMA)	0	0	0	0	840	840	0	0	0	0	840	840	2014	2014
4	5141571301	Burlington - Kenilworth to Strathearne	0	0	0	0	0	0	100	100	3,000	3,000	3,100	3,100	2015	2016
4	5141571301	Burlington - Strathearne to MTO Limit	0	0	0	0	0	0	100	100	2,600	2,600	2,700	2,700	2015	2016
9	5141571301	Collegiate/ Donn - Council Priority	0	0	0	0	0	0	1,140	1,140	0	0	1,140	1,140	2015	2015
9	5141571301	King - Lake to Applewood - Council Priority	0	0	0	0	0	0	1,050	1,050	0	0	1,050	1,050	2015	2015
6	5141571301	Mountain Brow - Traffic Circle to Mohawk & Broker - Upper Kenilworth to Mtn Brow - Council Priority	0	0	0	0	0	0	1,500	1,500	0	0	1,500	1,500	2015	2015
8	5141571301	Rymal W - Garth to West 5th	0	0	0	0	0	0	100	100	1,550	1,550	1,650	1,650	2015	2016
3	5141671301	Burlington & Industrial - Birch to Gage	0	0	0	0	0	0	0	0	3,060	3,060	3,060	3,060	2016	2016
4	5141771301	Parkdale - Barton to Burlington	0	0	0	0	0	0	0	0	1,400	1,400	1,400	1,400	2017	2017
4	5141771310	SERG - Britannia / Oriole / Adair	0	0	0	0	0	0	0	0	510	510	510	510	2017	2017
3	5141871301	Barton - Sanford to Sherman	0	0	0	0	0	0	0	0	220	220	220	220	2018	2018
3	5141871301	Cannon - Wentworth to Victoria	0	0	0	0	0	0	0	0	620	620	620	620	2018	2018
3	5141871301	Sherman - Main to King	0	0	0	0	0	0	0	0	260	260	260	260	2018	2018
3	5141971301	Birch - Barton to Cannon	0	0	0	0	0	0	0	0	240	240	240	240	2019	2019
8	5141971301	Sanatorium - Garth to east end	0	0	0	0	0	0	0	0	560	560	560	560	2019	2019
4	5142071301	Cannon - Ottawa to Kenilworth	0	0	0	0	0	0	0	0	1,000	1,000	1,000	1,000	2020	2020
7	5142071301	Concession - Upper Wellington to Upper Wentworth	0	0	0	0	0	0	0	0	1,100	1,100	1,100	1,100	2020	2021
7	5142071301	Fennell - Clarendon to Upper Wellington	0	0	0	0	0	0	0	0	650	650	650	650	2020	2020

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			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
<b>Projects Coordinated with Roads Program</b>																
2	5142071301	Strachan - James to Ferguson	0	0	0	0	0	0	0	0	430	430	430	430	2020	2020
3	5142171301	Cannon - Sherman to Wentworth	0	0	0	0	0	0	0	0	800	800	800	800	2021	2021
8	5142171301	West 35th - Scenic to end	0	0	0	0	0	0	0	0	250	250	250	250	2021	2021
3	5142271301	Sanford - Main to Cannon	0	0	0	0	0	0	0	0	1,500	1,500	1,500	1,500	2022	2022
12	5142271301	Wilson - Halson to Rousseaux	0	0	0	0	0	0	0	0	860	860	860	860	2022	2022
			<b>0</b>	<b>0</b>	<b>20,470</b>	<b>16,370</b>	<b>11,840</b>	<b>11,840</b>	<b>9,990</b>	<b>9,990</b>	<b>41,610</b>	<b>41,610</b>	<b>83,910</b>	<b>79,810</b>		
<b>SERG Projects</b>																
2	5141871310	Mary / Brock / Catharine	0	0	0	0	0	0	0	0	350	350	350	350	2018	2018
3	5141871310	SERG - Norton - Beach to Whitfield and Whitfield - Birmingham to Gage	0	0	0	0	0	0	0	0	450	450	450	450	2018	2018
			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>800</b>	<b>800</b>	<b>800</b>	<b>800</b>		
<b>Plant/Outstations Projects (SAM)</b>																
City Wide	5141166110	Water Treatment Plant - Process Upgrades - CASH FLOWED	6,000	0	0	0	0	0	7,620	120	26,540	16,540	40,160	16,660	2011	2017
14	5141167150	Greensville Communal Well - New Well	1,260	0	440	440	0	0	0	0	0	0	1,700	440	2011	2013
City Wide	5141267270	Water Distribution Control Valve Upgrades	170	0	630	630	2,190	2,190	0	0	0	0	2,990	2,820	2012	2014
1	5141267272	Hillcrest Reservoir (HDR02) Phase 2 Upgrades (CASH FLOWED)	8,800	0	3,400	3,400	0	0	0	0	0	0	12,200	3,400	2012	2013
1	5141267273	Main / Whitney Pumping Station Replacement and Decommissioning	320	0	0	0	1,650	1,650	0	0	0	0	1,970	1,650	2012	2014
City Wide	5141267275	Stoney Creek Water Outstations Upgrades	170	0	1,260	1,260	1,670	1,670	0	0	0	0	3,100	2,930	2012	2014
City Wide	5141366711	Water Treatment Studies Program	0	0	250	250	0	0	250	250	750	750	1,250	1,250	2013	Ongoing
City Wide	5141366713	Water Maintenance Capital Program	0	0	1,200	0	1,200	1,200	600	600	4,200	4,200	7,200	6,000	2013	Ongoing
City Wide	5141367751	Water Outstation Upgrades - Asset Management Program	0	0	0	0	0	0	0	0	13,390	13,390	13,390	13,390	2013	Ongoing
City Wide	5141367752	Water Outstation Inspections - Asset Management	0	0	970	970	520	520	510	510	4,470	4,470	6,470	6,470	2013	Ongoing
			<b>16,720</b>	<b>0</b>	<b>8,150</b>	<b>6,950</b>	<b>7,230</b>	<b>7,230</b>	<b>8,980</b>	<b>1,480</b>	<b>49,350</b>	<b>39,350</b>	<b>90,430</b>	<b>55,010</b>		

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<b>Plant/Outstations Projects (WQI)</b>																
15	5140667650	Carlisle Communal Well System Upgrades	3,800	2,200	1,040	1,040	0	0	0	0	0	0	4,840	3,240	2006	2013
City Wide	5141166150	GAC Replacement	4,000	0	0	0	0	0	0	0	7,000	7,000	11,000	7,000	2011	2021
City Wide	5141369075	City Environmental Lab Improvements Program	0	0	30	30	110	110	70	70	900	900	1,110	1,110	2013	Ongoing
			<b>7,800</b>	<b>2,200</b>	<b>1,070</b>	<b>1,070</b>	<b>110</b>	<b>110</b>	<b>70</b>	<b>70</b>	<b>7,900</b>	<b>7,900</b>	<b>16,950</b>	<b>11,350</b>		
<b>Master Plan - Horizontal Assets</b>																
4, 5	5140795750	Centennial Parkway Trunk Feedermain - Barton / Centennial / HDR5A (W-12)	2,640	0	14,960	0	0	0	0	0	0	0	17,600	0	2007	2013
5, 9	5140795758	Centennial Parkway Trunk W/M Extension - PS HD05A to Mud (W-13)	4,200	0	0	0	4,200	0	0	0	4,200	0	12,600	0	2007	2016
13	5141196152	PD11 (Governor's Road) Watermain Extension (W-05)	30	0	210	0	0	0	0	0	0	0	240	0	2011	2012
13	5141196153	PD22 (Governor's Road) Watermain Extension (W-06)	80	0	0	0	750	0	0	0	0	0	830	0	2011	2014
12	5141396351	Garner Road Trunk Watermain - Southcote to Trinity (W-09)	0	0	530	0	0	0	0	0	7,000	0	7,530	0	2013	2016
11	5141496451	Binbrook Feedermain via Fletcher (W-30)	0	0	0	0	600	0	5,370	0	0	0	5,970	0	2014	2015
6, 9	5141696650	Stone Church Feedermain (W-24)	0	0	0	0	0	0	0	0	14,420	0	14,420	0	2016	2017
1	5141896850	Locke St Trunk Watermain - Main to Barton (W-19)	0	0	0	0	0	0	0	0	1,660	0	1,660	0	2018	2019
			<b>6,950</b>	<b>0</b>	<b>15,700</b>	<b>0</b>	<b>5,550</b>	<b>0</b>	<b>5,370</b>	<b>0</b>	<b>27,280</b>	<b>0</b>	<b>60,850</b>	<b>0</b>		

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<b>Master Plan - Vertical Assets</b>																
13	5141095058	Old Ancaster Rd Pumping Station (HD012) Capacity Upgrade & Standby Power Installation (W-16)	2,480	0	870	0	0	0	0	0	0	0	3,350	0	2010	2013
6, 9, 11	5141195151	Highland Rd Pumping Station HD007 Expansion (W-10) and Reservoir HDR07 Upgrades (CASH FLOWED)	7,380	0	4,980	750	0	0	0	0	0	0	12,360	750	2011	2013
15	5141195152	Carlisle Elevated Storage & Additional Well	800	0	1,000	0	0	0	1,800	0	0	0	3,600	0	2011	2015
11	5141295251	PS HD019 (Binbrook) Capacity Upgrade (W-20)	200	0	0	0	0	0	70	0	2,560	0	2,830	0	2012	2016
City Wide	5141355010	Water Systems Planning Program	0	0	30	30	300	300	300	300	2,100	2,100	2,730	2,730	2013	Ongoing
2	5141395353	Ferguson Avenue HD002 Pumping Station	0	0	1,940	1,940	0	0	0	0	0	0	1,940	1,940	2013	2013
12	5141395354	PD18 (Ancaster) Elevated Reservoir (W-14)	0	0	900	450	5,400	2,700	0	0	0	0	6,300	3,150	2013	2014
6, 9, 11	5141895851	Highland Reservoir HDR07 (W-11) Expansion (CASH FLOWED)	0	0	0	0	0	0	0	0	14,620	0	14,620	0	2018	2020
13	5141895883	PS HD016 (York and Valley) Capacity Upgrade, Standby Power & Building Expansion (W-26)	0	0	0	0	0	0	0	0	6,800	680	6,800	680	2018	2019
5	5142195150	PS HD05A (Greenhill & Summercrest) Capacity Upgrade & Standby Power (W-28)	0	0	0	0	0	0	0	0	5,900	1,600	5,900	1,600	2021	2021
11	5142195151	PD7 (Upper Stoney Creek/Glanbrook) Elevated Reservoir (W-23)	0	0	0	0	0	0	0	0	6,300	0	6,300	0	2021	2022
			<b>10,860</b>	<b>0</b>	<b>9,720</b>	<b>3,170</b>	<b>5,700</b>	<b>3,000</b>	<b>2,170</b>	<b>300</b>	<b>38,280</b>	<b>4,380</b>	<b>66,730</b>	<b>10,850</b>		
<b>Development/Extension Projects</b>																
13	5141195153	PS HD12A (Governors @ Huntingwood) Capacity Upgrade & Standby Power Installation (W-04)	350	0	220	0	2,320	0	0	0	0	0	2,890	0	2011	2014
11	5141280280	RHBP - Twenty Road (future Dartnall Road to Glover Road)	50	0	600	0	0	0	0	0	0	0	650	0	2012	2013
15	5141297282	Waterdown South Elevation Water Storage - New PD (W-07)	500	0	4,820	770	0	0	0	0	0	0	5,320	770	2012	2013
9	5141380370	Upper Mount Albion - Highland to approximately 410m S	0	0	80	80	0	0	0	0	0	0	80	80	2013	2013



**CITY OF HAMILTON  
WATER SYSTEM  
2013 - 2022 CAPITAL BUDGET LIST (000's)**

Ward (s)	Project Number	Project Description	Pre 2013		2013		2014		2015		2016-2022		Project Total		Start Year	End Year
			Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net		
<b>Development\Extension Projects</b>																
11	5141380377	Arvin Avenue - McNeilly Road to 350m westerly	0	0	100	0	0	0	0	0	0	0	100	0	2013	2013
City Wide	5141396011	Intensification Infrastructure Upgrades Program - Water	0	0	0	0	0	0	400	200	1,200	600	1,600	800	2013	Ongoing
10	5141471301	Kilbourn / Southmeadow / Elm / Pine - Council Priority	0	0	0	0	1,120	1,120	0	0	0	0	1,120	1,120	2014	2014
11	5141564532	Twenty - Upper Wentworth to Upper James	0	0	0	0	0	0	790	0	0	0	790	0	2015	2015
11	5141564533	Upper Wentworth - Rymal to Twenty	0	0	0	0	0	0	910	0	0	0	910	0	2015	2015
11	5141580581	Binbrook - Royal Winter/Binhaven to Fletcher	0	0	0	0	0	0	400	0	0	0	400	0	2015	2015
7	5141771301	Upper Sherman - Rymal to Stone Church (SMA)	0	0	0	0	0	0	0	0	750	300	750	300	2017	2017
11	5141880811	Arvin Ave - Jones to existing West end	0	0	0	0	0	0	0	0	370	0	370	0	2018	2018
			<b>900</b>	<b>0</b>	<b>5,820</b>	<b>850</b>	<b>3,440</b>	<b>1,120</b>	<b>2,500</b>	<b>200</b>	<b>2,320</b>	<b>900</b>	<b>14,980</b>	<b>3,070</b>		
<b>Total Water System</b>			<b>52,790</b>	<b>3,600</b>	<b>82,000</b>	<b>48,860</b>	<b>47,330</b>	<b>36,760</b>	<b>34,910</b>	<b>17,870</b>	<b>212,040</b>	<b>139,440</b>	<b>429,070</b>	<b>246,530</b>		