

Value Line Investment Surveys
Water Industry
As of First Quarter 2017 (1-1-2017)

Company	Exchange	Ticker	Valueline No.	Valueline Issue	Total Debt	Market Debt	Long Term Debt	Long Term Interest	Long Term Rate (embedded)	Proportion of Debt	Book Debt	Book Equity	Preferred Stock	% Preferred	Shares Outstanding	Price per Share	Market Equity	Portion Market Equity	Capitalization	Total Market Capital
Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line (6) / (21)	Input Value Line (6) / (21)	Input Value Line (6) / (21)	Input Value Line (9) / (8)	Input Value Line (9) / (8)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (14) / (21)	Input Value Line (18) / (21)	Input Value Line (18) / (21)	Input Value Line (18) / (21)	Input Value Line (6)+(14)+(18)
					\$ Million	%	\$ Million	\$ Million	%	%	%	%	\$ Million	%	Shares Million	\$ per Share	\$ Million	%		\$ Million
American States Water	NYSE	AWR	1781	1/1/2017	398.2	19.50%	320.9	21.1	6.58%	40.0%	40.0%	60.0%	-	0.00%	36,56974600	44.95	1,643.8	80.50%	Mid Cap	2,042.0
American Water	NYSE	AWK	1782	1/1/2017	6,857.0	34.76%	5,853.0	297.0	5.07%	53.0%	55.0%	45.0%	11.0	0.06%	178,00336700	72.25	12,860.7	65.19%	Large Cap	19,728.7
Aqua American	NYSE	WTR	1783	1/1/2017	1,880.5	26.13%	1,748.7	78.6	4.49%	49.0%	50.0%	50.0%	-	0.00%	177,35825700	29.98	5,317.2	73.87%	Large Cap	7,197.7
California Water	NYSE	CWT	1784	1/1/2017	618.7	27.65%	555.5	27.2	4.90%	47.0%	46.0%	54.0%	-	0.00%	47,96800000	33.75	1,618.9	72.35%	Mid Cap	2,237.6
Connecticut Water	NDQ	CTWS	1785	1/1/2017	203.1	24.48%	200.2	8.0	4.00%	47.0%	46.0%	54.0%	0.8	0.10%	11,24041700	55.67	625.8	75.42%	Small Cap	829.7
Consolidated Water Company	NDQ	CWCO	1786	1/1/2017	0.5	0.31%	-	-	0.00%	0.0%	0.0%	100.0%	-	0.00%	14,81869900	10.85	160.8	99.69%	Small Cap	161.3
Middlesex Water	NDQ	MSEX	1787	1/1/2017	150.5	18.22%	130.8	5.6	4.28%	38.0%	37.5%	62.5%	2.4	0.29%	16,28917200	41.32	673.1	81.49%	Small Cap	826.0
SIW Corporation	NYSE	SIW	1788	1/1/2017	439.7	28.05%	364.2	21.0	5.77%	48.0%	47.5%	52.5%	-	0.00%	20,45622500	55.14	1,128.0	71.95%	Mid Cap	1,567.7
York Water	NDQ	YORW	1789	1/1/2017	84.6	14.65%	84.6	5.1	6.03%	44.0%	43.5%	56.5%	-	0.00%	12,86969600	38.30	492.9	85.35%	Small Cap	577.5
Total					10,632.8	30.23%	9,257.9	463.6	5.01%	53.0%	55.0%	100.0%	14.2	0.04%			24,521.1	69.73%		35,168.1
Minimum						0.31%			0.00%	0.00%	0.00%	45.00%		0.00%				65.19%		
wtd Mean						30.23%			5.01%									69.73%		
Mean						21.53%			4.57%	40.67%	40.61%	59.39%		0.05%				78.42%		
Median						24.48%			4.90%	47.00%	46.00%	54.00%		0.00%				75.42%		
Maximum						34.76%			6.58%	53.00%	55.00%	100.00%		0.29%				99.69%		
Water Industry Capital Structure																				
Market Embedded																				
Capital Structure	Proportion	Reference	Proportion	Reference																
Debt	30.23%	wtd mean col 7	40.67%	mean col 11																
Preferred	0.04%	wtd mean col 15	0.05%	mean col 15																
Equity	69.73%	wtd mean col 19	59.39%	mean col 13																
Total	100.00%		100.11%																	
Use																				
Debt	30%	Input	41%	Input																
Equity	70%	Input	59%	Input																
Total	100%		100%																	

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Water Industry
As of First Quarter 2017 (1-1-2017)

Company	Exchange	Ticker	Valueline No.	Valueline Issue	Beta	Dividend	Revenues			Cash Flows			Earnings			Dividends			Book Value		
							Past 10 yrs	Est'd 13-15 to 19-21	Past 10 yrs	Est'd 13-15 to 19-21	Past 10 yrs	Est'd 13-15 to 19-21	Past 10 yrs	Est'd 13-15 to 19-21	Past 10 yrs	Est'd 13-15 to 19-21	Past 10 yrs	Est'd 13-15 to 19-21			
							Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line		
American States Water	NYSE	AWR	1781	1/1/2017	0.75	2.2%	6.0%	4.5%	4.0%	9.0%	8.0%	6.0%	12.0%	12.0%	6.0%	6.5%	10.0%	7.0%	5.5%	6.0%	4.0%
American Water	NYSE	AWK	1782	1/1/2017	0.65	2.2%	6.0%	4.5%	4.5%	9.0%	8.0%	5.5%	13.0%	13.0%	8.0%	10.0%	10.5%	2.5%	4.0%	2.5%	4.0%
Aqua American	NYSE	WTR	1783	1/1/2017	0.7	2.7%	5.0%	2.5%	4.5%	8.0%	8.0%	6.0%	8.5%	13.0%	7.0%	8.0%	7.5%	9.0%	7.0%	7.0%	7.0%
California Water	NYSE	CWT	1784	1/1/2017	0.75	2.1%	4.0%	5.0%	3.0%	6.0%	5.5%	6.0%	5.0%	4.0%	7.5%	1.5%	2.0%	7.0%	5.5%	5.0%	3.5%
Connecticut Water	NDQ	CTWS	1785	1/1/2017	0.65	2.0%	4.0%	4.5%	8.0%	4.0%	7.5%	4.0%	4.0%	9.0%	5.0%	2.0%	2.0%	5.0%	6.5%	9.5%	3.0%
Consolidated Water Company	NDQ	CWCO	1786	1/1/2017	0.95	2.8%	10.0%	1.0%	14.5%	4.0%	-2.5%	10.5%	3.0%	-2.0%	15.5%	5.0%	0.0%	5.0%	10.5%	2.5%	3.5%
Middlesex Water	NDQ	MSEX	1787	1/1/2017	0.75	2.1%	1.5%	2.0%	4.0%	4.0%	4.5%	8.0%	5.0%	5.5%	8.5%	1.5%	1.5%	3.5%	4.5%	3.0%	4.0%
SIW Corporation	NYSE	SIW	1788	1/1/2017	0.75	1.5%	5.0%	4.5%	4.0%	6.5%	10.0%	3.0%	6.5%	15.0%	5.5%	4.0%	2.5%	5.5%	6.0%	5.0%	5.0%
York Water	NDQ	YORW	1789	1/1/2017	0.75	1.7%	4.5%	3.0%	7.5%	7.0%	6.5%	6.0%	5.5%	6.0%	6.0%	4.0%	2.5%	6.5%	6.5%	4.5%	3.5%
Minimum					0.65	1.50%	1.50%	1.00%	3.00%	4.00%	-2.50%	3.00%	3.00%	-2.00%	5.00%	1.50%	0.00%	3.50%	4.50%	2.50%	3.00%
Mean					0.74	2.14%	5.00%	3.33%	6.00%	6.06%	6.28%	6.11%	6.19%	8.39%	7.67%	4.06%	4.22%	6.56%	6.50%	5.00%	4.17%
Median					0.75	2.10%	4.75%	3.00%	4.50%	6.25%	7.50%	6.00%	5.25%	9.00%	7.00%	4.00%	2.50%	6.50%	6.25%	5.00%	4.00%
Maximum					0.95	2.80%	10.00%	5.00%	14.50%	9.00%	10.00%	10.50%	12.00%	15.00%	15.50%	8.00%	10.00%	10.50%	10.50%	9.50%	7.00%

Cost of Equity Dividend Growth Model

Dividend 2.14% mean Col 7

	Past 10 yrs	Past 5 yrs	Est'd 13-15 to 19-21	Beta
Growth	5.00%	3.33%	6.00%	
Revenues	6.25%	6.28%	6.11%	
Cash Flow	6.19%	8.39%	7.67%	
Earnings	4.00%	4.22%	6.56%	
Dividends	6.25%	5.00%	4.17%	Input
Book Value	5.54%	5.44%	6.10%	0.74
Mean				0.65-0.95

Cost of Equity Dividend Growth Model

Dividend 2.14%
Growth 5.50%
Cost of Equity 7.64%

Cost of Equity Capital Asset Pricing Model (CAPM)

	Value	Input	Notes
Risk Free Rate	5.02%	Input	10 year treasury per PA PUC
Risk Premium			
Beta	0.74		
Risk Premia	6.90%	Input S&B	
Size Premia			
Micro	3.67%	Input S&B	
Small	1.75%	Input S&B	
Mid	1.02%	Input S&B	
Large	0.00%	Input S&B	
Size Premia	0.00%	Input	
Cost of Equity	10.19%		

Cost of Equity 7.64%
Dividend Growth Model 10.19%
Capital Asset Pricing Model (CAPM) Mean 8.92%

Cost of Equity 8.92% Input
Growth 5.50% Input

1 2 3 4 5
Value Line Investment Surveys
Water Industry
As of First Quarter 2017 (1-1-2017)

Company	Exchange	Ticker	Valueline No.	Valueline Issue	Tax Rate			
					2015	2016	2017	19-21
Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line	Input Value Line
American States Water	NYSE	AWR	1781	1/1/2017	38.4%	33.0%	36.0%	36.0%
American Water	NYSE	AWK	1782	1/1/2017	39.1%	39.0%	38.5%	37.0%
Aqua American	NYSE	WTR	1783	1/1/2017	6.9%	7.0%	7.0%	20.0%
California Water	NYSE	CWT	1784	1/1/2017	35.3%	32.0%	32.0%	35.0%
Connecticut Water	NDQ	CTWS	1785	1/1/2017	4.2%	7.5%	19.0%	28.0%
Consolidated Water Company	NDQ	CWCO	1786	1/1/2017				
Middlesex Water	NDQ	MSEX	1787	1/1/2017	34.5%	35.0%	35.0%	35.0%
SIW Corporation	NYSE	SIW	1788	1/1/2017	38.1%	38.0%	39.0%	39.0%
York Water	NDQ	YORW	1789	1/1/2017	27.2%	28.5%	29.0%	32.5%
Minimum					4.20%	7.00%	7.00%	20.00%
wtd Mean								
Mean					27.96%	27.50%	29.44%	32.81%
Median					34.90%	32.50%	33.50%	35.00%
Maximum					39.10%	39.00%	39.00%	39.00%
Historical	34.00%	Median						
Marginal	35.00%	AUS Input						
US 50-state average	4.91%	AUS Input						
Pennsylvania	9.99%	AUS Input						
Tax Rate	41.49%	Calculated						

1	2	3	4	5
Value Line Investment Surveys				
Water Industry				
As of First Quarter 2017 (1-1-2017)				
	S&P Debt Rating	Long Term Debt	Long Term Interest	Long Term Interest Rate (embedde d)
		Input Value Line	Input Value Lin	(4) / (3)
American States Water		320.9	21.1	6.58%
American Water	A	5,853.0	297.0	5.07%
Aqua American		1,748.7	78.6	4.49%
California Water		555.5	27.2	4.90%
Connecticut Water		200.2	8.0	4.00%
Consolidated Water Company		-	-	0.00%
Middlesex Water		130.8	5.6	4.28%
SIW Corporation		364.2	21.0	5.77%
York Water		84.5	5.1	6.03%
		9,257.9	463.6	5.01%
Minimum				0.00%
wtd Mean				5.01%
Mean				4.57%
Median				4.90%
Maximum				6.58%
Debt Rating and Cost of Debt				
Embedded		5.01%	wtd mean col 5	
Rating (S&P)	A	Input		
Market Cost of Debt @ S&P Rating		4.27%	Input	
Use		4.27%	Input	

NARUC
Account Location

HEM Input

Account Location

Mains	361 SSC - Segment #1
Mains	361 SSC - Segment #1
Mains	361 SSC - Segment #2
Mains	361 SSC - Segment #3
Mains	361 SSC - Segment #3
Mains	361 SSC - Segment #4
Mains	361 SSC - Segment #4
Mains	361 SSC - Segment #5

Mains	361 Phase 1A - Village of Pomeroy (Nc
Mains	361 Phase 1B - Village of Pomery (Sou
Mains	361 Phase 2A – Village of Sadsbury
Mains	361 Phase 2B – Village of Sadsbury
Mains	361 Phase 3A – Washington Lane a

Mains	361 Phase 3B – South of Washingto
Mains	361 Phase 3B – South of Washingto
Mains	361 Phase 4 – Valley Road
Mains	361 Phase 3A – Washington Lane E

Mains	361 Phase 1B - Village of Pomery (Sou
Mains	361 Phase 2A – Village of Sadsbury
Mains	361 Phase 3A – Washington Lane a

Mains 361 Phase 3B – South of Washington
Mains 361 Phase 4 – Valley Road
Mains 361 Phase 2B – Village of Sadsbury
Mains 361 Phase 3A – Waverly Blvd. Extension

Mains 361 Phase 1B - Village of Pomeroy (North)
Mains 361 Phase 2A – Village of Sadsbury
Mains 361 Phase 2B – Village of Sadsbury
Mains 361 Phase 3A – Washington Lane at
Mains 361 Phase 3B – South of Washington
Mains 361 Phase 4 – Valley Road

Mains 361 Phase 1B - Village of Pomeroy (North)
Mains 361 Phase 2A – Village of Sadsbury
Mains 361 Phase 3A – Washington Lane at
Mains 361 Phase 3B – South of Washington

Mains 361 Phase 3B – South of Washington
Mains 361 Phase 4 – Valley Road
Mains 361 Phase 1A - Village of Pomeroy (North)
Mains 361 Phase 3A – Washington Lane at
Mains 361 Phase 3A – Waverly Blvd. Extension

Mains 361 Phase 1B - Village of Pomeroy (North)
Mains 361 Phase 2A – Village of Sadsbury
Mains 361 Phase 3B – South of Washington
Mains 361 Phase 4 – Valley Road
Mains 361 Phase 3A – Washington Lane at

Mains 361 Phase 4 – Valley Road
Mains 361 Phase 1A - Village of Pomeroy (North)

Mains	361 Sadsbury Crossing
Mains	361 Quarry Ridge
Mains	361 Quarry Ridge
Mains	361 Quarry Ridge
Mains	361 Quarry Ridge
Mains	361 Sadsbury Village
Mains	361 Octorara Glen
Mains	361 Cowan Estates (Capped Sewers)

Ductile Iron Pipe

Mains	361 Phase 2A – Village of Sadsbury
Mains	361 Phase 3B – South of Washington

Mains	361 Phase 3B – South of Washington
Mains	361 Phase 4 – Valley Road

Mains	361 Phase 3B – South of Washington
Mains	361 Phase 4 – Valley Road

Mains	361 Phase 3B – South of Washington
Mains	361 Phase 4 – Valley Road

Mains	361 Phase 2A – Village of Sadsbury
Mains	361 Phase 3B – South of Washington
Mains	361 Phase 4 – Valley Road

Mains	361 Phase 2A – Village of Sadsbury
Mains	361 Phase 3B – South of Washington
Mains	361 Phase 4 – Valley Road

Mains	361 Quarry Ridge
Mains	361 Quarry Ridge
Mains	361 Quarry Ridge

Manholes	361 SSC - Segment #1
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Manholes	361 SSC - Segment #1
Manholes	361 SSC - Segment #2

Manholes	361 SSC - Segment #2
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Manholes	361 SSC - Segment #3
Manholes	361 SSC - Segment #4

Manholes	361 SSC - Segment #4
Manholes	361 SSC - Segment #5

Manholes	361 SSC - Segment #5
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Manholes	361 Phase 1A - Village of Pomeroy (Nc
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Manholes	361 Phase 1A - Village of Pomeroy (Nc
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Manholes	361 Phase 1A - Village of Pomeroy (Nc
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 1B - Village of Pomeroy (Sou
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2A – Village of Sadsbury
Manholes	361 Phase 2B – Village of Sadsbury
Manholes	361 Phase 2B – Village of Sadsbury
Manholes	361 Phase 2B – Village of Sadsbury
Manholes	361 Phase 2B – Village of Sadsbury
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane a
Manholes	361 Phase 3A – Washington Lane E
Manholes	361 Phase 3A – Waverly Blvd. Exte
Manholes	361 Phase 3B – South of Washingto
Manholes	361 Phase 3B – South of Washingto
Manholes	361 Phase 3B – South of Washingto

Manholes	361 Phase 3B – South of Washington
Manholes	361 Phase 3B – South of Washington
Manholes	361 Phase 3B – South of Washington
Manholes	361 Phase 3B – South of Washington
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Phase 4 – Valley Road
Manholes	361 Sadsbury Crossing
Manholes	361 Quarry Ridge
Manholes	361 Quarry Ridge
Manholes	361 Quarry Ridge
Manholes	361 Quarry Ridge
Manholes	361 Sadsbury Village
Manholes	361 Octorara Glen
Manholes	361 Cowan Estates (Capped Sewers)
Bore & Casing	361 SSC - Segment #1
Bore & Casing	361 SSC - Segment #2
Bore & Casing	361 SSC - Segment #3
Bore & Casing	361 SSC - Segment #3
Bore & Casing	361 SSC - Segment #4
Bore & Casing	361 Phase 2A – Village of Sadsbury
Bore & Casing	361 Phase 4 – Valley Road

<u>Description</u>	<u>Service Date</u>	<u>Units</u>	<u>Quantity</u>	<u>Original Cost Per Foot</u>	<u>Original Cost</u>	<u>2017 Unit Cost</u>
HEM Input	HEM Input		HEM Input	Unit Cost (Cols. (6) & (3))	HEM Input	
Description	Year	Units	QTY	U/C	OC	
15" SDR-35 PVC	1999	L.F.	2,800	35.94	\$100,632	66.20
12" SDR-35 PVC	1999	L.F.	900	37.94	\$34,146	69.89
12" SDR-35 PVC	1999	L.F.	1,650	33.48	\$55,250	61.68
12" SDR-35 PVC	1999	L.F.	2,150	32.36	\$69,574	59.61
8" SDR-35 PVC	1999	L.F.	2,800	28.36	\$79,408	52.24
10" SDR-35 PVC	1999	L.F.	2,650	30.79	\$81,594	56.72
8" SDR-35 PVC	1999	L.F.	1,000	32.79	\$32,790	60.40
8" SDR-35 PVC	1999	L.F.	2,500	28.78	\$71,950	53.01
8" SDR-35 PVC – 0-10 Ft Deep	2000	L.F.	5,620	71.77	\$403,348	125.74
8" SDR-35 PVC – 0-8 Ft Deep	2005	L.F.	174	93.58	\$16,283	132.51
8" SDR-35 PVC – 0-8 Ft Deep	2007	L.F.	1,299	81.30	\$105,609	92.84
8" SDR-35 PVC – 0-8 Ft Deep	2009	L.F.	260	121.67	\$31,634	125.81
8" SDR-35 PVC – 0-8 Ft Deep	2005	L.F.	696	79.84	\$55,569	113.05
8" SDR-35 PVC – 0-8 Ft Deep Greenbelt Drive	2005	L.F.	375	55.03	\$20,636	77.92
8" SDR-35 PVC – 0-8 Ft Deep	2009	L.F.	1,035	95.63	\$98,977	98.88
8" SDR-35 PVC – 0-8 Ft Deep	2011	L.F.	2,396	85.25	\$204,259	88.40
8" SDR-35 PVC – 6-10 Ft Deep	2009	L.F.	337	23.00	\$7,751	23.78
			12,192			107.70
8" SDR-35 PVC – 8-10 Ft Deep	2005	L.F.	468	96.58	\$45,200	136.76
8" SDR-35 PVC – 8-10 Ft Deep	2007	L.F.	2,980	91.30	\$272,074	104.26
8" SDR-35 PVC – 8-10 Ft Deep	2005	L.F.	4,193	82.84	\$347,348	117.30

8" SDR-35 PVCPC – 8-10 Ft Deep	2009	L.F.	482	97.38	\$46,937	100.69
8" SDR-35 PVCPC – 8-10 Ft Deep	2011	L.F.	780	87.25	\$68,055	90.48
8" SDR-35 PVCPC – 8-10 Ft Deep	2009	L.F.	766	123.42	\$94,540	127.62
8" SDR-35 PVCPC – 6-10 Ft Deep	2011	L.F.	160	27.60	\$4,416	28.62
			9829			110.69
8" SDR-35 PVCPC – 10-12 Ft Deep	2005	L.F.	639	109.58	\$70,022	155.17
8" SDR-35 PVCPC – 10-12 Ft Deep	2007	L.F.	1,706	101.30	\$172,818	115.68
8" SDR-35 PVCPC – 10-12 Ft Deep	2009	L.F.	129	76.82	\$9,910	79.43
8" SDR-35 PVCPC – 10-12 Ft Deep	2005	L.F.	2,097	95.84	\$200,977	135.71
8" SDR-35 PVCPC – 10-12 Ft Deep	2009	L.F.	213	101.88	\$21,701	105.35
8" SDR-35 PVCPC – 10-12 Ft Deep	2011	L.F.	180	89.25	\$16,065	92.55
			4964			127.00
8" SDR-35 PVCPC – 12-14 Ft Deep	2005	L.F.	207	123.58	\$25,581	174.99
8" SDR-35 PVCPC – 12-14 Ft Deep	2007	L.F.	2,073	110.30	\$228,652	125.96
8" SDR-35 PVCPC – 12-14 Ft Deep	2005	L.F.	932	109.84	\$102,371	155.53
8" SDR-35 PVCPC – 12-14 Ft Deep	2009	L.F.	154	108.13	\$16,652	111.81
8" SDR-35 PVCPC – 12-14 Ft Deep Greenbelt Drive	2005	L.F.	50	85.10	\$4,255	120.50
8" SDR-35 PVCPC – 12-14 Ft Deep	2011	L.F.	113	91.26	\$10,312	94.63
8" SDR-35 PVCPC – 10-14 Ft Deep	2000	L.F.	1,681	77.77	\$130,731	136.25
8" SDR-35 PVCPC – 10-14 Ft Deep	2009	L.F.	344	25.00	\$8,600	25.85
8" SDR-35 PVCPC – 10-14 Ft Deep	2011	L.F.	680	30.00	\$20,400	31.11
			6234			117.95
8" SDR-35 PVCPC – 14-16 Ft Deep	2005	L.F.	85	138.58	\$11,779	196.22
8" SDR-35 PVCPC – 14-16 Ft Deep	2007	L.F.	637	128.30	\$81,727	146.52
8" SDR-35 PVCPC – 14-16 Ft Deep	2009	L.F.	120	122.38	\$14,686	126.54
8" SDR-35 PVCPC – 14-16 Ft Deep	2011	L.F.	60	93.25	\$5,595	96.70
8" SDR-35 PVCPC – 14-16 Ft Deep	2005	L.F.	980	124.84	\$122,342	176.77
			1882			161.65
8" SDR-35 PVCPC – Over 16 Ft Deep	2011	L.F.	50	95.26	\$4,763	98.78
8" SDR-35 PVCPC – Over 14 Ft Deep	2000	L.F.	559	85.77	\$47,946	150.27
			609			146.04

8" SDR-35 PVCPC – 0-8 Ft Deep	9829	110.6909
8" SDR-35 PVCPC – 10-12 Ft Deep	4964	127.0009
8" SDR-35 PVCPC – 12-14 Ft Deep	6234	117.9519
8" SDR-35 PVCPC – 14-16 Ft Deep	1882	161.6543
8" SDR-35 PVCPC – Over16 Ft Deep	609	146

8" SDR-35 PVC	2001	L.F.	996	25.06	\$24,960	42.15
8" SDR-35 PVC Phase I	1999	L.F.	1,864	25.00	\$46,600	46.05
8" SDR-35 PVC Phase II	2001	L.F.	2,275	25.00	\$56,875	42.05
8" SDR-35 PVC Phase III	2001	L.F.	1,966	25.00	\$49,150	42.05
8" SDR-35 PVC Phase IV	2002	L.F.	2,278	25.00	\$56,950	40.48
8" SDR-35 PVC	2006	L.F.	5,019	25.00	\$125,475	31.20
8" SDR-35 PVC	2006	L.F.	3,523	19.50	\$68,699	24.34
8" SDR-35 PVC	2013	L.F.	1,902	26.00	\$49,452	26.47
8" DIP – 0-8 Ft Deep	2007	L.F.	30	105.30	\$3,159	120.25
8" DIP – 0-8 Ft Deep	2009	L.F.	75	109.39	\$8,204	113.11
			105			115.15
8" DIP – 8-10 Ft Deep	2009	L.F.	13	112.15	\$1,458	115.97
8" DIP – 8-10 Ft Deep	2011	L.F.	0		\$0	
			13			115.97
8" DIP – 10-12 Ft Deep	2009	L.F.	84	117.63	\$9,881	121.63
8" DIP – 10-12 Ft Deep	2011	L.F.	0		\$0	
			84			121.63
8" DIP – 12-14 Ft Deep	2009	L.F.	17	125.41	\$2,132	129.68
8" DIP – 12-14 Ft Deep	2011	L.F.	15	101.27	\$1,519	105.01
			32			118.12
8" DIP – 14-16 Ft Deep	2007	L.F.	240	138.30	\$33,192	157.94
8" DIP – 14-16 Ft Deep	2009	L.F.	111	139.63	\$15,499	144.38
8" DIP – 14-16 Ft Deep	2011	L.F.	25	103.24	\$2,581	107.06
			376			150.55
8" DIP – Over16 Ft Deep	2007	L.F.	175	193.30	\$33,828	220.75
8" DIP – Over16 Ft Deep	2009	L.F.	154	170.63	\$26,277	176.43
8" DIP – Over16 Ft Deep	2011	L.F.	350	105.25	\$36,838	109.15
			679			153.17
Summary						
8" DIP – 0-8 Ft Deep				105		115.15

8" DIP – 8-10 Ft Deep			13			115.97
8" DIP – 10-12 Ft Deep			84			121.63
8" DIP – 12-14 Ft Deep			32			118.12
8" DIP – 14-16 Ft Deep			376			150.55
8" DIP – Over16 Ft Deep			679			153.17

8" DIP Phase I	1999	L.F.	717	44.00	\$31,548	81.05
8" DIP Phase II	2001	L.F.	298	44.00	\$13,112	74.01
8" DIP Phase III	2001	L.F.	216	44.00	\$9,504	74.01

Concrete Manhole w/ Frame & Cover	1999	EA.	14	2,500.00	\$35,000	4605.00
Concrete Manhole w/ Watertight Frame & Cover	1999	EA.	4	2,600.00	\$10,400	4789.20
Concrete Manhole w/ Frame & Cover	1999	EA.	4	1,600.00	\$6,400	2947.20
Concrete Manhole w/ Watertight Frame & Cover	1999	EA.	5	1,700.00	\$8,500	3131.40
Concrete Manhole w/ Watertight Frame & Cover	1999	EA.	23	1,700.00	\$39,100	3131.40
Concrete Manhole w/ Frame & Cover	1999	EA.	16	1,600.00	\$25,600	2947.20
Concrete Manhole w/ Watertight Frame & Cover	1999	EA.	2	1,700.00	\$3,400	3131.40
Concrete Manhole w/ Frame & Cover	1999	EA.	11	1,600.00	\$17,600	2947.20
Concrete Manhole w/ Watertight Frame & Cover	1999	EA.	2	1,700.00	\$3,400	3131.40
Concrete Manhole w/ Frame & Cover– 0-10 Ft Deep	2000	EA.	30	1,700.00	\$51,000	2978.40
Concrete Manhole w/ Frame & Cover– 10-14 Ft Deep	2000	EA.	9	2,200.00	\$19,800	3854.40

Concrete Manhole w/ Frame & Cover– Over 14 Ft Deep	2000	EA.	4	2,600.00	\$10,400	4555.20
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2005	EA.	4	1,800.00	\$7,200	2548.80
Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2005	EA.	2	2,100.00	\$4,200	2973.60
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2005	EA.	1	2,500.00	\$2,500	3540.00
Concrete Manhole w/ Frame & Cover– 14-16 Ft Deep	2005	EA.	2	3,500.00	\$7,000	4956.00
Concrete Doghouse Manhole w/ Frame & Cover	2005	EA.	1	2,000.00	\$2,000	2832.00
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2007	EA.	9	2,525.00	\$22,725	2883.55
Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2007	EA.	12	2,500.00	\$30,000	2855.00
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2007	EA.	5	2,740.00	\$13,700	3129.08
Concrete Manhole w/ Frame & Cover– 12-14 Ft Deep	2007	EA.	7	3,300.00	\$23,100	3768.60
Concrete Manhole w/ Frame & Cover– 14-16 Ft Deep	2007	EA.	5	3,800.00	\$19,000	4339.60
Concrete Manhole w/ Frame & Cover– Over16 Ft Deep	2007	EA.	2	5,000.00	\$10,000	5710.00
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2009	EA.	1	2,550.00	\$2,550	2636.70
Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2009	EA.	2	2,670.00	\$5,340	2760.78
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2009	EA.	1	3,050.00	\$3,050	3153.70
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2005	EA.	7	1,971.43	\$13,800	2791.54
Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2005	EA.	12	2,625.00	\$31,500	3717.00
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2005	EA.	7	2,500.00	\$17,500	3540.00
Concrete Manhole w/ Frame & Cover– 12-14 Ft Deep	2005	EA.	3	3,000.00	\$9,000	4248.00
Concrete Manhole w/ Frame & Cover– 14-16 Ft Deep	2005	EA.	2	3,500.00	\$7,000	4956.00
Concrete Manhole w/ Frame & Cover– Over16 Ft Deep	2005	EA.	2	4,000.00	\$8,000	5664.00
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2009	EA.	2	3,101.50	\$6,203	3206.95
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2011	EA.	5	2,371.20	\$11,856	2458.93
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep Greenbelt Drive	2005	EA.	1	1,800.00	\$1,800	2548.80
Concrete Manhole w/ Frame & Cover– 12-14 Ft Deep Greenbelt Drive	2005	EA.	1	5,000.00	\$5,000	7080.00
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2009	EA.	4	2,550.00	\$10,200	2636.70

Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2009	EA.	2	2,660.00	\$5,320	2750.44
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2009	EA.	1	3,050.00	\$3,050	3153.70
Concrete Manhole w/ Frame & Cover– 14-16 Ft Deep	2009	EA.	2	3,525.00	\$7,050	3644.85
Concrete Manhole w/ Frame & Cover– Over16 Ft Deep	2009	EA.	1	4,780.00	\$4,780	4942.52
Concrete Manhole w/ Frame & Cover– 0-8 Ft Deep	2011	EA.	6	2,400.00	\$14,400	2488.80
Concrete Manhole w/ Frame & Cover– 8-10 Ft Deep	2011	EA.	12	2,600.00	\$31,200	2696.20
Concrete Manhole w/ Frame & Cover– 10-12 Ft Deep	2011	EA.	1	2,800.00	\$2,800	2903.60
Concrete Manhole w/ Frame & Cover– 12-14 Ft Deep	2011	EA.	2	3,000.00	\$6,000	3111.00
Concrete Manhole w/ Frame & Cover– 14-16 Ft Deep	2011	EA.	0	#DIV/0!	\$0	
Concrete Manhole w/ Frame & Cover– Over16 Ft Deep	2011	EA.	0	#DIV/0!	\$0	
Concrete Doghouse Manhole w/ Frame & Cover	2011	EA.	1	4,000.00	\$4,000	4148.00
Concrete Manhole w/ Frame & Cover	2001	EA.	8	1,585.00	\$12,680	2665.97
Concrete Manhole w/ Frame & Cover Phase I	1999	EA.	13	1,786.15	\$23,220	3290.10
Concrete Manhole w/ Frame & Cover Phase II	2001	EA.	10	1,500.00	\$15,000	2523.00
Concrete Manhole w/ Frame & Cover Phase III	2001	EA.	11	1,527.27	\$16,800	2568.87
Concrete Manhole w/ Frame & Cover Phase IV	2002	EA.	11	1,500.00	\$16,500	2428.50
Concrete Manhole w/ Frame & Cover	2006	EA.	26	1,596.15	\$41,500	1992.00
Concrete Manhole w/ Frame & Cover	2006	EA.	23	2,572.61	\$59,170	3210.62
Concrete Manhole w/ Frame & Cover	2013	EA.	18	2,000.00	\$36,000	2036.00
			372			3400.72
12" DIP w/Steel Casing Bore & Jack	1999	L.F.	349	514.13	\$179,433	947.04
12" DIP w/Conc. Encasement Stream Crossing	1999	L.F.	64	100.00	\$6,400	184.20
12" DIP w/Conc. Encasement Stream Crossing	1999	L.F.	61	104.18	\$6,355	191.90
8" DIP w/Steel Casing Bore & Jack	1999	L.F.	164	422.20	\$69,240	777.68
10" DIP w/Conc. Encasement Stream Crossing	1999	L.F.	102	69.31	\$7,070	127.68
8" DIP w/24" Steel Casing Bore & Jack-Route 30 Bypass	2007	L.F.	185	1,037.81	\$191,995	1185.18
8" DIP w/ 24" Steel Casing Bore & Jack Stream Crossing	2011	L.F.	75	278.00	\$20,850	288.29

Account	Description	Year	Original Cost	Iowa Survival / Retirement Curve	Service Life	Age	Age as % of Service Life
HEM Input	HEM Input	HEM Input	HEM Input	Account Parameters Lookup	Account Parameters Lookup	2017-(Col. (4)+0.5)	#REF!
Account	Description	Year	OC	Iowa Survival / Retirement Curve	Life	Age	Age%
	361 Collection	1999	\$100,632.00	R3.0	70	17.5	25
	361 Collection	1999	\$34,146.00	R3.0	70	17.5	25
	361 Collection	1999	\$55,250.00	R3.0	70	17.5	25
	361 Collection	1999	\$69,574.00	R3.0	70	17.5	25
	361 Collection	1999	\$79,408.00	R3.0	70	17.5	25
	361 Collection	1999	\$81,594.00	R3.0	70	17.5	25
	361 Collection	1999	\$32,790.00	R3.0	70	17.5	25
	361 Collection	1999	\$71,950.00	R3.0	70	17.5	25
706658.80	361 Collection	2000	\$403,348.00	R3.0	70	16.5	24
23056.74	361 Collection	2005	\$16,283.00	R3.0	70	11.5	16
120599.16	361 Collection	2007	\$105,609.00	R3.0	70	9.5	14
32710.60	361 Collection	2009	\$31,634.00	R3.0	70	7.5	11
78682.80	361 Collection	2005	\$55,569.00	R3.0	70	11.5	16
29220.00	361 Collection	2005	\$20,636.00	R3.0	70	11.5	16
102340.80	361 Collection	2009	\$98,977.00	R3.0	70	7.5	11
211806.40	361 Collection	2011	\$204,259.00	R3.0	70	5.5	8
8013.86	361 Collection	2009	\$7,751.00	R3.0	70	7.5	11
1313089.16							
64003.68	361 Collection	2005	\$45,200.00	R3.0	70	11.5	16
310694.80	361 Collection	2007	\$272,074.00	R3.0	70	9.5	14
491838.90	361 Collection	2005	\$347,348.00	R3.0	70	11.5	16

48532.58	361 Collection	2009	\$46,937.00	R3.0	70	7.5	11
70574.40	361 Collection	2011	\$68,055.00	R3.0	70	5.5	8
97756.92	361 Collection	2009	\$94,540.00	R3.0	70	7.5	11
4579.20	361 Collection	2011	\$4,416.00	R3.0	70	5.5	8
1087980.48							

99153.63	361 Collection	2005	\$70,022.00	R3.0	70	11.5	16
197350.08	361 Collection	2007	\$172,818.00	R3.0	70	9.5	14
10246.47	361 Collection	2009	\$9,910.00	R3.0	70	7.5	11
284583.87	361 Collection	2005	\$200,977.00	R3.0	70	11.5	16
22439.55	361 Collection	2009	\$21,701.00	R3.0	70	7.5	11
16659.00	361 Collection	2011	\$16,065.00	R3.0	70	5.5	8
630432.60							

36222.93	361 Collection	2005	\$25,581.00	R3.0	70	11.5	16
261115.08	361 Collection	2007	\$228,652.00	R3.0	70	9.5	14
144953.96	361 Collection	2005	\$102,371.00	R3.0	70	11.5	16
17218.74	361 Collection	2009	\$16,652.00	R3.0	70	7.5	11
6025.00	361 Collection	2005	\$4,255.00	R3.0	70	11.5	16
10693.19	361 Collection	2011	\$10,312.00	R3.0	70	5.5	8
229036.25	361 Collection	2000	\$130,731.00	R3.0	70	16.5	24
8892.40	361 Collection	2009	\$8,600.00	R3.0	70	7.5	11
21154.80	361 Collection	2011	\$20,400.00	R3.0	70	5.5	8
735312.35							

16678.70	361 Collection	2005	\$11,779.00	R3.0	70	11.5	16
93333.24	361 Collection	2007	\$81,727.00	R3.0	70	9.5	14
15184.80	361 Collection	2009	\$14,686.00	R3.0	70	7.5	11
5802.00	361 Collection	2011	\$5,595.00	R3.0	70	5.5	8
173234.60	361 Collection	2005	\$122,342.00	R3.0	70	11.5	16
304233.34							

4939.00	361 Collection	2011	\$4,763.00	R3.0	70	5.5	8
84000.93	361 Collection	2000	\$47,946.00	R3.0	70	16.5	24
88939.93							

	361 Collection \$	2001	\$24,960.00	R3.0	70	15.5	22
	361 Collection \$	1999	\$46,600.00	R3.0	70	17.5	25
	361 Collection \$	2001	\$56,875.00	R3.0	70	15.5	22
	361 Collection \$	2001	\$49,150.00	R3.0	70	15.5	22
	361 Collection \$	2002	\$56,950.00	R3.0	70	14.5	21
	361 Collection \$	2006	\$125,475.00	R3.0	70	10.5	15
	361 Collection \$	2006	\$68,699.00	R3.0	70	10.5	15
	361 Collection \$	2013	\$49,452.00	R3.0	70	3.5	5
3607.50	361 Collection \$	2007	\$3,159.00	R3.0	70	9.5	14
8483.25	361 Collection \$	2009	\$8,204.00	R3.0	70	7.5	11
12090.75							
	361 Collection \$	2009	\$1,458.00	R3.0	70	7.5	11
	361 Collection \$	2011	\$0.00	R3.0	70	5.5	8
	361 Collection \$	2009	\$9,881.00	R3.0	70	7.5	11
	361 Collection \$	2011	\$0.00	R3.0	70	5.5	8
2204.56	361 Collection \$	2009	\$2,132.00	R3.0	70	7.5	11
1575.15	361 Collection \$	2011	\$1,519.00	R3.0	70	5.5	8
3779.71							
37905.60	361 Collection \$	2007	\$33,192.00	R3.0	70	9.5	14
16026.18	361 Collection \$	2009	\$15,499.00	R3.0	70	7.5	11
2676.50	361 Collection \$	2011	\$2,581.00	R3.0	70	5.5	8
56608.28							
38631.25	361 Collection \$	2007	\$33,828.00	R3.0	70	9.5	14
27170.22	361 Collection \$	2009	\$26,277.00	R3.0	70	7.5	11
38202.50	361 Collection \$	2011	\$36,838.00	R3.0	70	5.5	8
104003.97							

361 Collection \$	1999	\$31,548.00	R3.0	70	17.5	25
361 Collection \$	2001	\$13,112.00	R3.0	70	15.5	22
361 Collection \$	2001	\$9,504.00	R3.0	70	15.5	22

361 Collection \$	1999	\$35,000.00	R3.0	70	17.5	25
361 Collection \$	1999	\$10,400.00	R3.0	70	17.5	25
361 Collection \$	1999	\$6,400.00	R3.0	70	17.5	25
361 Collection \$	1999	\$8,500.00	R3.0	70	17.5	25
361 Collection \$	1999	\$39,100.00	R3.0	70	17.5	25
361 Collection \$	1999	\$25,600.00	R3.0	70	17.5	25
361 Collection \$	1999	\$3,400.00	R3.0	70	17.5	25
361 Collection \$	1999	\$17,600.00	R3.0	70	17.5	25
361 Collection \$	1999	\$3,400.00	R3.0	70	17.5	25
361 Collection \$	2000	\$51,000.00	R3.0	70	16.5	24
361 Collection \$	2000	\$19,800.00	R3.0	70	16.5	24

361 Collection	2000	\$10,400.00	R3.0	70	16.5	24
361 Collection	2005	\$7,200.00	R3.0	70	11.5	16
361 Collection	2005	\$4,200.00	R3.0	70	11.5	16
361 Collection	2005	\$2,500.00	R3.0	70	11.5	16
361 Collection	2005	\$7,000.00	R3.0	70	11.5	16
361 Collection	2005	\$2,000.00	R3.0	70	11.5	16
361 Collection	2007	\$22,725.00	R3.0	70	9.5	14
361 Collection	2007	\$30,000.00	R3.0	70	9.5	14
361 Collection	2007	\$13,700.00	R3.0	70	9.5	14
361 Collection	2007	\$23,100.00	R3.0	70	9.5	14
361 Collection	2007	\$19,000.00	R3.0	70	9.5	14
361 Collection	2007	\$10,000.00	R3.0	70	9.5	14
361 Collection	2009	\$2,550.00	R3.0	70	7.5	11
361 Collection	2009	\$5,340.00	R3.0	70	7.5	11
361 Collection	2009	\$3,050.00	R3.0	70	7.5	11
361 Collection	2005	\$13,800.00	R3.0	70	11.5	16
361 Collection	2005	\$31,500.00	R3.0	70	11.5	16
361 Collection	2005	\$17,500.00	R3.0	70	11.5	16
361 Collection	2005	\$9,000.00	R3.0	70	11.5	16
361 Collection	2005	\$7,000.00	R3.0	70	11.5	16
361 Collection	2005	\$8,000.00	R3.0	70	11.5	16
361 Collection	2009	\$6,203.00	R3.0	70	7.5	11
361 Collection	2011	\$11,856.00	R3.0	70	5.5	8
361 Collection	2005	\$1,800.00	R3.0	70	11.5	16
361 Collection	2005	\$5,000.00	R3.0	70	11.5	16
361 Collection	2009	\$10,200.00	R3.0	70	7.5	11

361 Collection	2009	\$5,320.00	R3.0	70	7.5	11
361 Collection	2009	\$3,050.00	R3.0	70	7.5	11
361 Collection	2009	\$7,050.00	R3.0	70	7.5	11
361 Collection	2009	\$4,780.00	R3.0	70	7.5	11
361 Collection	2011	\$14,400.00	R3.0	70	5.5	8
361 Collection	2011	\$31,200.00	R3.0	70	5.5	8
361 Collection	2011	\$2,800.00	R3.0	70	5.5	8
361 Collection	2011	\$6,000.00	R3.0	70	5.5	8
361 Collection	2011	\$0.00	R3.0	70	5.5	8
361 Collection	2011	\$0.00	R3.0	70	5.5	8
361 Collection	2011	\$4,000.00	R3.0	70	5.5	8
361 Collection	2001	\$12,680.00	R3.0	70	15.5	22
361 Collection	1999	\$23,220.00	R3.0	70	17.5	25
361 Collection	2001	\$15,000.00	R3.0	70	15.5	22
361 Collection	2001	\$16,800.00	R3.0	70	15.5	22
361 Collection	2002	\$16,500.00	R3.0	70	14.5	21
361 Collection	2006	\$41,500.00	R3.0	70	10.5	15
361 Collection	2006	\$59,170.00	R3.0	70	10.5	15
361 Collection	2013	\$36,000.00	R3.0	70	3.5	5
361 Collection	1999	\$179,433.00	R3.0	70	17.5	25
361 Collection	1999	\$6,400.00	R3.0	70	17.5	25
361 Collection	1999	\$6,355.00	R3.0	70	17.5	25
361 Collection	1999	\$69,240.00	R3.0	70	17.5	25
361 Collection	1999	\$7,070.00	R3.0	70	17.5	25
361 Collection	2007	\$191,995.00	R3.0	70	9.5	14
361 Collection	2011	\$20,850.00	R3.0	70	5.5	8

Iowa Lookup	Iowa Condition	Remaining Life Expectancy	Total Life	Condition Percent	Original Cost less Depreciation	Account	Description
#REF!	IowaLookup f(Col. (11))	#REF!	#REF!	#REF!	#REF!	HEM Input	HEM Input
IowaLookup	Iowa % Cond	Expectancy	Total Life	Condition Percent	OCLD	Account	Description
R3.0025	0.75917	53.14	70.64	75.23%	75,705	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	25,688	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	41,565	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	52,341	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	59,739	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	61,383	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	24,668	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	54,128	361	Collection !
R3.0024	0.76851	53.80	70.30	76.53%	308,682	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	13,630	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	91,267	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	28,243	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	46,517	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	17,274	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	88,367	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	188,204	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	6,920	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	37,837	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	235,126	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	290,765	361	Collection !

R3.0011	0.89247	62.47	69.97	89.28%	41,905	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	62,706	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	84,405	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	4,069	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	58,615	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	149,349	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	8,848	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	168,238	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	19,375	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	14,802	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	21,414	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	197,601	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	85,695	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	14,867	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	3,562	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	9,501	361	Collection !
R3.0024	0.76851	53.80	70.30	76.53%	100,048	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	7,678	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	18,797	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	9,860	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	70,628	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	13,112	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	5,155	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	102,412	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	4,389	361	Collection !
R3.0024	0.76851	53.80	70.30	76.53%	36,693	361	Collection !

R3.0022	0.78729	55.11	70.61	78.05%	19,481	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	35,057	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	44,391	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	38,362	361	Collection !
R3.0021	0.79673	55.77	70.27	79.37%	45,201	361	Collection !
R3.0015	0.85389	59.77	70.27	85.06%	106,729	361	Collection !
R3.0015	0.85389	59.77	70.27	85.06%	58,435	361	Collection !
R3.0005	0.9509	66.56	70.06	95.00%	46,979	361	Collection !

R3.0014	0.8635	60.45	69.95	86.42%	2,730	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	7,325	361	Collection !

R3.0011	0.89247	62.47	69.97	89.28%	1,302	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	-	361	Collection !

R3.0011	0.89247	62.47	69.97	89.28%	8,822	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	-	361	Collection !

R3.0011	0.89247	62.47	69.97	89.28%	1,903	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	1,400	361	Collection !

R3.0014	0.8635	60.45	69.95	86.42%	28,685	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	13,838	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	2,378	361	Collection !

R3.0014	0.8635	60.45	69.95	86.42%	29,234	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	23,460	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	33,943	361	Collection !

R3.0025	0.75917	53.14	70.64	75.23%	23,734	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	10,234	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	7,418	361	Collection !

R3.0025	0.75917	53.14	70.64	75.23%	26,331	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	7,824	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	4,815	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	6,395	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	29,415	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	19,259	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	2,558	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	13,240	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	2,558	361	Collection !
R3.0024	0.76851	53.80	70.30	76.53%	39,030	361	Collection !
R3.0024	0.76851	53.80	70.30	76.53%	15,153	361	Collection !

R3.0024	0.76851	53.80	70.30	76.53%	7,959	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	6,027	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	3,516	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	2,093	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	5,860	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	1,674	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	19,639	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	25,926	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	11,840	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	19,963	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	16,420	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	8,642	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	2,277	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	4,768	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	2,723	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	11,552	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	26,369	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	14,649	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	7,534	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	5,860	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	6,697	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	5,538	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	10,924	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	1,507	361	Collection !
R3.0016	0.8443	59.10	70.60	83.71%	4,186	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	9,107	361	Collection !

R3.0011	0.89247	62.47	69.97	89.28%	4,750	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	2,723	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	6,294	361	Collection !
R3.0011	0.89247	62.47	69.97	89.28%	4,268	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	13,268	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	28,748	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	2,580	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	5,528	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	-	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	-	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	3,686	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	9,897	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	17,468	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	11,708	361	Collection !
R3.0022	0.78729	55.11	70.61	78.05%	13,112	361	Collection !
R3.0021	0.79673	55.77	70.27	79.37%	13,096	361	Collection !
R3.0015	0.85389	59.77	70.27	85.06%	35,300	361	Collection !
R3.0015	0.85389	59.77	70.27	85.06%	50,330	361	Collection !
R3.0005	0.9509	66.56	70.06	95.00%	34,200	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	134,987	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	4,815	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	4,781	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	52,089	361	Collection !
R3.0025	0.75917	53.14	70.64	75.23%	5,319	361	Collection !
R3.0014	0.8635	60.45	69.95	86.42%	165,922	361	Collection !
R3.0008	0.9216	64.51	70.01	92.14%	19,211	361	Collection !

Year	Original Cost	Cost Trend Reference	Year Index	Spot Index	Cost Translator	Cost New	Account
HEM Input	HEM Input	Account Parameters Lookup	Cost Index Lookup f(Cols. (16) & (4))	Cost Index Lookup f(Cols. (16) & (2017))	#REF!	#REF!	HEM Input
Year	OC	Cost Trend Reference	YearIndex	Spot Index	Translator	RCN	Account
1999	\$100,632.00	HWW-143	183.3	337.6	1.842	185,364	361
1999	\$34,146.00	HWW-143	183.3	337.6	1.842	62,897	361
1999	\$55,250.00	HWW-143	183.3	337.6	1.842	101,771	361
1999	\$69,574.00	HWW-143	183.3	337.6	1.842	128,155	361
1999	\$79,408.00	HWW-143	183.3	337.6	1.842	146,270	361
1999	\$81,594.00	HWW-143	183.3	337.6	1.842	150,296	361
1999	\$32,790.00	HWW-143	183.3	337.6	1.842	60,399	361
1999	\$71,950.00	HWW-143	183.3	337.6	1.842	132,532	361
2000	\$403,348.00	HWW-143	192.7	337.6	1.752	706,666	361
2005	\$16,283.00	HWW-143	238.5	337.6	1.416	23,057	361
2007	\$105,609.00	HWW-143	295.7	337.6	1.142	120,605	361
2009	\$31,634.00	HWW-143	326.6	337.6	1.034	32,710	361
2005	\$55,569.00	HWW-143	238.5	337.6	1.416	78,686	361
2005	\$20,636.00	HWW-143	238.5	337.6	1.416	29,221	361
2009	\$98,977.00	HWW-143	326.6	337.6	1.034	102,342	361
2011	\$204,259.00	HWW-143	325.7	337.6	1.037	211,817	361
2009	\$7,751.00	HWW-143	326.6	337.6	1.034	8,015	361
2005	\$45,200.00	HWW-143	238.5	337.6	1.416	64,003	361
2007	\$272,074.00	HWW-143	295.7	337.6	1.142	310,709	361
2005	\$347,348.00	HWW-143	238.5	337.6	1.416	491,845	361

2009	\$46,937.00	HWW-143	326.6	337.6	1.034	48,533	361
2011	\$68,055.00	HWW-143	325.7	337.6	1.037	70,573	361
2009	\$94,540.00	HWW-143	326.6	337.6	1.034	97,754	361
2011	\$4,416.00	HWW-143	325.7	337.6	1.037	4,579	361
2005	\$70,022.00	HWW-143	238.5	337.6	1.416	99,151	361
2007	\$172,818.00	HWW-143	295.7	337.6	1.142	197,358	361
2009	\$9,910.00	HWW-143	326.6	337.6	1.034	10,247	361
2005	\$200,977.00	HWW-143	238.5	337.6	1.416	284,583	361
2009	\$21,701.00	HWW-143	326.6	337.6	1.034	22,439	361
2011	\$16,065.00	HWW-143	325.7	337.6	1.037	16,659	361
2005	\$25,581.00	HWW-143	238.5	337.6	1.416	36,223	361
2007	\$228,652.00	HWW-143	295.7	337.6	1.142	261,121	361
2005	\$102,371.00	HWW-143	238.5	337.6	1.416	144,957	361
2009	\$16,652.00	HWW-143	326.6	337.6	1.034	17,218	361
2005	\$4,255.00	HWW-143	238.5	337.6	1.416	6,025	361
2011	\$10,312.00	HWW-143	325.7	337.6	1.037	10,694	361
2000	\$130,731.00	HWW-143	192.7	337.6	1.752	229,041	361
2009	\$8,600.00	HWW-143	326.6	337.6	1.034	8,892	361
2011	\$20,400.00	HWW-143	325.7	337.6	1.037	21,155	361
2005	\$11,779.00	HWW-143	238.5	337.6	1.416	16,679	361
2007	\$81,727.00	HWW-143	295.7	337.6	1.142	93,332	361
2009	\$14,686.00	HWW-143	326.6	337.6	1.034	15,185	361
2011	\$5,595.00	HWW-143	325.7	337.6	1.037	5,802	361
2005	\$122,342.00	HWW-143	238.5	337.6	1.416	173,236	361
2011	\$4,763.00	HWW-143	325.7	337.6	1.037	4,939	361
2000	\$47,946.00	HWW-143	192.7	337.6	1.752	84,001	361

2001	\$24,960.00	HWW-143	200.7	337.6	1.682	41,983	361
1999	\$46,600.00	HWW-143	183.3	337.6	1.842	85,837	361
2001	\$56,875.00	HWW-143	200.7	337.6	1.682	95,664	361
2001	\$49,150.00	HWW-143	200.7	337.6	1.682	82,670	361
2002	\$56,950.00	HWW-143	208.5	337.6	1.619	92,202	361
2006	\$125,475.00	HWW-143	270.6	337.6	1.248	156,593	361
2006	\$68,699.00	HWW-143	270.6	337.6	1.248	85,736	361
2013	\$49,452.00	HWW-143	331.7	337.6	1.018	50,342	361
2007	\$3,159.00	HWW-143	295.7	337.6	1.142	3,608	361
2009	\$8,204.00	HWW-143	326.6	337.6	1.034	8,483	361
2009	\$1,458.00	HWW-143	326.6	337.6	1.034	1,508	361
2011	\$0.00	HWW-143	325.7	337.6	1.037	-	361
2009	\$9,881.00	HWW-143	326.6	337.6	1.034	10,217	361
2011	\$0.00	HWW-143	325.7	337.6	1.037	-	361
2009	\$2,132.00	HWW-143	326.6	337.6	1.034	2,204	361
2011	\$1,519.00	HWW-143	325.7	337.6	1.037	1,575	361
2007	\$33,192.00	HWW-143	295.7	337.6	1.142	37,905	361
2009	\$15,499.00	HWW-143	326.6	337.6	1.034	16,026	361
2011	\$2,581.00	HWW-143	325.7	337.6	1.037	2,676	361
2007	\$33,828.00	HWW-143	295.7	337.6	1.142	38,632	361
2009	\$26,277.00	HWW-143	326.6	337.6	1.034	27,170	361
2011	\$36,838.00	HWW-143	325.7	337.6	1.037	38,201	361

1999	\$31,548.00 HWW-143	183.3	337.6	1.842	58,111	361
2001	\$13,112.00 HWW-143	200.7	337.6	1.682	22,054	361
2001	\$9,504.00 HWW-143	200.7	337.6	1.682	15,986	361

1999	\$35,000.00 HWW-143	183.3	337.6	1.842	64,470	361
1999	\$10,400.00 HWW-143	183.3	337.6	1.842	19,157	361
1999	\$6,400.00 HWW-143	183.3	337.6	1.842	11,789	361
1999	\$8,500.00 HWW-143	183.3	337.6	1.842	15,657	361
1999	\$39,100.00 HWW-143	183.3	337.6	1.842	72,022	361
1999	\$25,600.00 HWW-143	183.3	337.6	1.842	47,155	361
1999	\$3,400.00 HWW-143	183.3	337.6	1.842	6,263	361
1999	\$17,600.00 HWW-143	183.3	337.6	1.842	32,419	361
1999	\$3,400.00 HWW-143	183.3	337.6	1.842	6,263	361
2000	\$51,000.00 HWW-143	192.7	337.6	1.752	89,352	361
2000	\$19,800.00 HWW-143	192.7	337.6	1.752	34,690	361

2000	\$10,400.00 HWW-143	192.7	337.6	1.752	18,221	361
2005	\$7,200.00 HWW-143	238.5	337.6	1.416	10,195	361
2005	\$4,200.00 HWW-143	238.5	337.6	1.416	5,947	361
2005	\$2,500.00 HWW-143	238.5	337.6	1.416	3,540	361
2005	\$7,000.00 HWW-143	238.5	337.6	1.416	9,912	361
2005	\$2,000.00 HWW-143	238.5	337.6	1.416	2,832	361
2007	\$22,725.00 HWW-143	295.7	337.6	1.142	25,952	361
2007	\$30,000.00 HWW-143	295.7	337.6	1.142	34,260	361
2007	\$13,700.00 HWW-143	295.7	337.6	1.142	15,645	361
2007	\$23,100.00 HWW-143	295.7	337.6	1.142	26,380	361
2007	\$19,000.00 HWW-143	295.7	337.6	1.142	21,698	361
2007	\$10,000.00 HWW-143	295.7	337.6	1.142	11,420	361
2009	\$2,550.00 HWW-143	326.6	337.6	1.034	2,637	361
2009	\$5,340.00 HWW-143	326.6	337.6	1.034	5,522	361
2009	\$3,050.00 HWW-143	326.6	337.6	1.034	3,154	361
2005	\$13,800.00 HWW-143	238.5	337.6	1.416	19,541	361
2005	\$31,500.00 HWW-143	238.5	337.6	1.416	44,604	361
2005	\$17,500.00 HWW-143	238.5	337.6	1.416	24,780	361
2005	\$9,000.00 HWW-143	238.5	337.6	1.416	12,744	361
2005	\$7,000.00 HWW-143	238.5	337.6	1.416	9,912	361
2005	\$8,000.00 HWW-143	238.5	337.6	1.416	11,328	361
2009	\$6,203.00 HWW-143	326.6	337.6	1.034	6,414	361
2011	\$11,856.00 HWW-143	325.7	337.6	1.037	12,295	361
2005	\$1,800.00 HWW-143	238.5	337.6	1.416	2,549	361
2005	\$5,000.00 HWW-143	238.5	337.6	1.416	7,080	361
2009	\$10,200.00 HWW-143	326.6	337.6	1.034	10,547	361

2009	\$5,320.00 HWW-143	326.6	337.6	1.034	5,501	361
2009	\$3,050.00 HWW-143	326.6	337.6	1.034	3,154	361
2009	\$7,050.00 HWW-143	326.6	337.6	1.034	7,290	361
2009	\$4,780.00 HWW-143	326.6	337.6	1.034	4,943	361
2011	\$14,400.00 HWW-143	325.7	337.6	1.037	14,933	361
2011	\$31,200.00 HWW-143	325.7	337.6	1.037	32,354	361
2011	\$2,800.00 HWW-143	325.7	337.6	1.037	2,904	361
2011	\$6,000.00 HWW-143	325.7	337.6	1.037	6,222	361
2011	\$0.00 HWW-143	325.7	337.6	1.037	-	361
2011	\$0.00 HWW-143	325.7	337.6	1.037	-	361
2011	\$4,000.00 HWW-143	325.7	337.6	1.037	4,148	361
2001	\$12,680.00 HWW-143	200.7	337.6	1.682	21,328	361
1999	\$23,220.00 HWW-143	183.3	337.6	1.842	42,771	361
2001	\$15,000.00 HWW-143	200.7	337.6	1.682	25,230	361
2001	\$16,800.00 HWW-143	200.7	337.6	1.682	28,258	361
2002	\$16,500.00 HWW-143	208.5	337.6	1.619	26,714	361
2006	\$41,500.00 HWW-143	270.6	337.6	1.248	51,792	361
2006	\$59,170.00 HWW-143	270.6	337.6	1.248	73,844	361
2013	\$36,000.00 HWW-143	331.7	337.6	1.018	36,648	361
1999	\$179,433.00 HWW-143	183.3	337.6	1.842	330,516	361
1999	\$6,400.00 HWW-143	183.3	337.6	1.842	11,789	361
1999	\$6,355.00 HWW-143	183.3	337.6	1.842	11,706	361
1999	\$69,240.00 HWW-143	183.3	337.6	1.842	127,540	361
1999	\$7,070.00 HWW-143	183.3	337.6	1.842	13,023	361
2007	\$191,995.00 HWW-143	295.7	337.6	1.142	219,258	361
2011	\$20,850.00 HWW-143	325.7	337.6	1.037	21,621	361

Description	Service Date	Cost New	Iowa Survival /	Service Life	Age	Age as %	Iowa Lookup	Iowa Condition
			Retirement Curve			of Service Life		
HEM Input	HEM Input	HEM Input	Account Parameters Lookup	Account Parameters Lookup	2017-(Col. (4)+0.5)	#REF!	#REF!	IowaLookup f(Col. (25))
Description	Year	RCN	Iowa Survival / Retirement Curve	Life	Age	Age%	Iowa Lookup	Iowa Condition
Collection	1999	185,364	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	62,897	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	101,771	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	128,155	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	146,270	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	150,296	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	60,399	R3.0	70	17.5	25	R3.0025	0.75917
Collection	1999	132,532	R3.0	70	17.5	25	R3.0025	0.75917
Collection	2000	706,666	R3.0	70	16.5	24	R3.0024	0.76851
Collection	2005	23,057	R3.0	70	11.5	16	R3.0016	0.8443
Collection	2007	120,605	R3.0	70	9.5	14	R3.0014	0.8635
Collection	2009	32,710	R3.0	70	7.5	11	R3.0011	0.89247
Collection	2005	78,686	R3.0	70	11.5	16	R3.0016	0.8443
Collection	2005	29,221	R3.0	70	11.5	16	R3.0016	0.8443
Collection	2009	102,342	R3.0	70	7.5	11	R3.0011	0.89247
Collection	2011	211,817	R3.0	70	5.5	8	R3.0008	0.9216
Collection	2009	8,015	R3.0	70	7.5	11	R3.0011	0.89247
Collection	2005	64,003	R3.0	70	11.5	16	R3.0016	0.8443
Collection	2007	310,709	R3.0	70	9.5	14	R3.0014	0.8635
Collection	2005	491,845	R3.0	70	11.5	16	R3.0016	0.8443

Collection	2009	48,533	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	70,573	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2009	97,754	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	4,579	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2005	99,151	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2007	197,358	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	10,247	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2005	284,583	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2009	22,439	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	16,659	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2005	36,223	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2007	261,121	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2005	144,957	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2009	17,218	R3.0	70	7.5	11 R3.0011	0.89247

Collection	2005	6,025	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2011	10,694	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2000	229,041	R3.0	70	16.5	24 R3.0024	0.76851
Collection	2009	8,892	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	21,155	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2005	16,679	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2007	93,332	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	15,185	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	5,802	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2005	173,236	R3.0	70	11.5	16 R3.0016	0.8443

Collection	2011	4,939	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2000	84,001	R3.0	70	16.5	24 R3.0024	0.76851

Collection	2001	41,983	R3.0	70	15.5	22 R3.0022	0.78729
Collection	1999	85,837	R3.0	70	17.5	25 R3.0025	0.75917
Collection	2001	95,664	R3.0	70	15.5	22 R3.0022	0.78729
Collection	2001	82,670	R3.0	70	15.5	22 R3.0022	0.78729
Collection	2002	92,202	R3.0	70	14.5	21 R3.0021	0.79673
Collection	2006	156,593	R3.0	70	10.5	15 R3.0015	0.85389
Collection	2006	85,736	R3.0	70	10.5	15 R3.0015	0.85389
Collection	2013	50,342	R3.0	70	3.5	5 R3.0005	0.9509

Collection	2007	3,608	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	8,483	R3.0	70	7.5	11 R3.0011	0.89247

Collection	2009	1,508	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	-	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2009	10,217	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	-	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2009	2,204	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	1,575	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2007	37,905	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	16,026	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	2,676	R3.0	70	5.5	8 R3.0008	0.9216

Collection	2007	38,632	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	27,170	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	38,201	R3.0	70	5.5	8 R3.0008	0.9216

Collection	1999	58,111	R3.0	70	17.5	25 R3.0025	0.75917
Collection	2001	22,054	R3.0	70	15.5	22 R3.0022	0.78729
Collection	2001	15,986	R3.0	70	15.5	22 R3.0022	0.78729

Collection	1999	64,470	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	19,157	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	11,789	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	15,657	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	72,022	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	47,155	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	6,263	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	32,419	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	6,263	R3.0	70	17.5	25 R3.0025	0.75917
Collection	2000	89,352	R3.0	70	16.5	24 R3.0024	0.76851
Collection	2000	34,690	R3.0	70	16.5	24 R3.0024	0.76851

Collection	2000	18,221	R3.0	70	16.5	24 R3.0024	0.76851
Collection	2005	10,195	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	5,947	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	3,540	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	9,912	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	2,832	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2007	25,952	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2007	34,260	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2007	15,645	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2007	26,380	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2007	21,698	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2007	11,420	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2009	2,637	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2009	5,522	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2009	3,154	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2005	19,541	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	44,604	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	24,780	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	12,744	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	9,912	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	11,328	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2009	6,414	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	12,295	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2005	2,549	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2005	7,080	R3.0	70	11.5	16 R3.0016	0.8443
Collection	2009	10,547	R3.0	70	7.5	11 R3.0011	0.89247

Collection	2009	5,501	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2009	3,154	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2009	7,290	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2009	4,943	R3.0	70	7.5	11 R3.0011	0.89247
Collection	2011	14,933	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	32,354	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	2,904	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	6,222	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	-	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	-	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2011	4,148	R3.0	70	5.5	8 R3.0008	0.9216
Collection	2001	21,328	R3.0	70	15.5	22 R3.0022	0.78729
Collection	1999	42,771	R3.0	70	17.5	25 R3.0025	0.75917
Collection	2001	25,230	R3.0	70	15.5	22 R3.0022	0.78729
Collection	2001	28,258	R3.0	70	15.5	22 R3.0022	0.78729
Collection	2002	26,714	R3.0	70	14.5	21 R3.0021	0.79673
Collection	2006	51,792	R3.0	70	10.5	15 R3.0015	0.85389
Collection	2006	73,844	R3.0	70	10.5	15 R3.0015	0.85389
Collection	2013	36,648	R3.0	70	3.5	5 R3.0005	0.9509
Collection	1999	330,516	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	11,789	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	11,706	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	127,540	R3.0	70	17.5	25 R3.0025	0.75917
Collection	1999	13,023	R3.0	70	17.5	25 R3.0025	0.75917
Collection	2007	219,258	R3.0	70	9.5	14 R3.0014	0.8635
Collection	2011	21,621	R3.0	70	5.5	8 R3.0008	0.9216

Remaining Life Expectancy	Total Life	Condition Percent	Cost New less Depreciation	NARUC Account	Description	Service Date	Original Cost
#REF!	#REF!	#REF!	#REF!	HEM Input	HEM Input	HEM Input	HEM Input
Expectancy	Total Life	Condition Percent	RCNLD	Account	Description	Year	OC
53.14	70.64	75.23%	139,449	361	Collection	1999	100,632.00
53.14	70.64	75.23%	47,317	361	Collection	1999	34,146.00
53.14	70.64	75.23%	76,562	361	Collection	1999	55,250.00
53.14	70.64	75.23%	96,411	361	Collection	1999	69,574.00
53.14	70.64	75.23%	110,039	361	Collection	1999	79,408.00
53.14	70.64	75.23%	113,068	361	Collection	1999	81,594.00
53.14	70.64	75.23%	45,438	361	Collection	1999	32,790.00
53.14	70.64	75.23%	99,704	361	Collection	1999	71,950.00
53.80	70.30	76.53%	540,811	361	Collection	2000	403,348.00
59.10	70.60	83.71%	19,301	361	Collection	2005	16,283.00
60.45	69.95	86.42%	104,227	361	Collection	2007	105,609.00
62.47	69.97	89.28%	29,203	361	Collection	2009	31,634.00
59.10	70.60	83.71%	65,868	361	Collection	2005	55,569.00
59.10	70.60	83.71%	24,461	361	Collection	2005	20,636.00
62.47	69.97	89.28%	91,371	361	Collection	2009	98,977.00
64.51	70.01	92.14%	195,168	361	Collection	2011	204,259.00
62.47	69.97	89.28%	7,156	361	Collection	2009	7,751.00
59.10	70.60	83.71%	53,577	361	Collection	2005	45,200.00
60.45	69.95	86.42%	268,515	361	Collection	2007	272,074.00
59.10	70.60	83.71%	411,723	361	Collection	2005	347,348.00

62.47	69.97	89.28%	43,330	361	Collection	2009	46,937.00
64.51	70.01	92.14%	65,026	361	Collection	2011	68,055.00
62.47	69.97	89.28%	87,275	361	Collection	2009	94,540.00
64.51	70.01	92.14%	4,219	361	Collection	2011	4,416.00
59.10	70.60	83.71%	82,999	361	Collection	2005	70,022.00
60.45	69.95	86.42%	170,557	361	Collection	2007	172,818.00
62.47	69.97	89.28%	9,149	361	Collection	2009	9,910.00
59.10	70.60	83.71%	238,224	361	Collection	2005	200,977.00
62.47	69.97	89.28%	20,034	361	Collection	2009	21,701.00
64.51	70.01	92.14%	15,350	361	Collection	2011	16,065.00
59.10	70.60	83.71%	30,322	361	Collection	2005	25,581.00
60.45	69.95	86.42%	225,661	361	Collection	2007	228,652.00
59.10	70.60	83.71%	121,344	361	Collection	2005	102,371.00
62.47	69.97	89.28%	15,372	361	Collection	2009	16,652.00
59.10	70.60	83.71%	5,044	361	Collection	2005	4,255.00
64.51	70.01	92.14%	9,853	361	Collection	2011	10,312.00
53.80	70.30	76.53%	175,285	361	Collection	2000	130,731.00
62.47	69.97	89.28%	7,939	361	Collection	2009	8,600.00
64.51	70.01	92.14%	19,492	361	Collection	2011	20,400.00
59.10	70.60	83.71%	13,962	361	Collection	2005	11,779.00
60.45	69.95	86.42%	80,658	361	Collection	2007	81,727.00
62.47	69.97	89.28%	13,557	361	Collection	2009	14,686.00
64.51	70.01	92.14%	5,346	361	Collection	2011	5,595.00
59.10	70.60	83.71%	145,016	361	Collection	2005	122,342.00
64.51	70.01	92.14%	4,551	361	Collection	2011	4,763.00
53.80	70.30	76.53%	64,286	361	Collection	2000	47,946.00

55.11	70.61	78.05%	32,768	361	Collection	2001	24,960.00
53.14	70.64	75.23%	64,575	361	Collection	1999	46,600.00
55.11	70.61	78.05%	74,666	361	Collection	2001	56,875.00
55.11	70.61	78.05%	64,524	361	Collection	2001	49,150.00
55.77	70.27	79.37%	73,181	361	Collection	2002	56,950.00
59.77	70.27	85.06%	133,198	361	Collection	2006	125,475.00
59.77	70.27	85.06%	72,927	361	Collection	2006	68,699.00
66.56	70.06	95.00%	47,825	361	Collection	2013	49,452.00

60.45	69.95	86.42%	3,118	361	Collection	2007	3,159.00
62.47	69.97	89.28%	7,574	361	Collection	2009	8,204.00

62.47	69.97	89.28%	1,346	361	Collection	2009	1,458.00
64.51	70.01	92.14%	-	361	Collection	2011	-

62.47	69.97	89.28%	9,122	361	Collection	2009	9,881.00
64.51	70.01	92.14%	-	361	Collection	2011	-

62.47	69.97	89.28%	1,968	361	Collection	2009	2,132.00
64.51	70.01	92.14%	1,451	361	Collection	2011	1,519.00

60.45	69.95	86.42%	32,758	361	Collection	2007	33,192.00
62.47	69.97	89.28%	14,308	361	Collection	2009	15,499.00
64.51	70.01	92.14%	2,466	361	Collection	2011	2,581.00

60.45	69.95	86.42%	33,386	361	Collection	2007	33,828.00
62.47	69.97	89.28%	24,257	361	Collection	2009	26,277.00
64.51	70.01	92.14%	35,198	361	Collection	2011	36,838.00

53.14	70.64	75.23%	43,717	361	Collection	1999	31,548.00
55.11	70.61	78.05%	17,213	361	Collection	2001	13,112.00
55.11	70.61	78.05%	12,477	361	Collection	2001	9,504.00

53.14	70.64	75.23%	48,501	361	Collection	1999	35,000.00
53.14	70.64	75.23%	14,412	361	Collection	1999	10,400.00
53.14	70.64	75.23%	8,869	361	Collection	1999	6,400.00
53.14	70.64	75.23%	11,779	361	Collection	1999	8,500.00
53.14	70.64	75.23%	54,182	361	Collection	1999	39,100.00
53.14	70.64	75.23%	35,475	361	Collection	1999	25,600.00
53.14	70.64	75.23%	4,712	361	Collection	1999	3,400.00
53.14	70.64	75.23%	24,389	361	Collection	1999	17,600.00
53.14	70.64	75.23%	4,712	361	Collection	1999	3,400.00
53.80	70.30	76.53%	68,381	361	Collection	2000	51,000.00
53.80	70.30	76.53%	26,548	361	Collection	2000	19,800.00

53.80	70.30	76.53%	13,945	361	Collection	2000	10,400.00
59.10	70.60	83.71%	8,534	361	Collection	2005	7,200.00
59.10	70.60	83.71%	4,978	361	Collection	2005	4,200.00
59.10	70.60	83.71%	2,963	361	Collection	2005	2,500.00
59.10	70.60	83.71%	8,297	361	Collection	2005	7,000.00
59.10	70.60	83.71%	2,371	361	Collection	2005	2,000.00
60.45	69.95	86.42%	22,428	361	Collection	2007	22,725.00
60.45	69.95	86.42%	29,607	361	Collection	2007	30,000.00
60.45	69.95	86.42%	13,520	361	Collection	2007	13,700.00
60.45	69.95	86.42%	22,798	361	Collection	2007	23,100.00
60.45	69.95	86.42%	18,751	361	Collection	2007	19,000.00
60.45	69.95	86.42%	9,869	361	Collection	2007	10,000.00
62.47	69.97	89.28%	2,354	361	Collection	2009	2,550.00
62.47	69.97	89.28%	4,930	361	Collection	2009	5,340.00
62.47	69.97	89.28%	2,816	361	Collection	2009	3,050.00
59.10	70.60	83.71%	16,358	361	Collection	2005	13,800.00
59.10	70.60	83.71%	37,338	361	Collection	2005	31,500.00
59.10	70.60	83.71%	20,743	361	Collection	2005	17,500.00
59.10	70.60	83.71%	10,668	361	Collection	2005	9,000.00
59.10	70.60	83.71%	8,297	361	Collection	2005	7,000.00
59.10	70.60	83.71%	9,483	361	Collection	2005	8,000.00
62.47	69.97	89.28%	5,726	361	Collection	2009	6,203.00
64.51	70.01	92.14%	11,329	361	Collection	2011	11,856.00
59.10	70.60	83.71%	2,134	361	Collection	2005	1,800.00
59.10	70.60	83.71%	5,927	361	Collection	2005	5,000.00
62.47	69.97	89.28%	9,416	361	Collection	2009	10,200.00

62.47	69.97	89.28%	4,911	361	Collection	2009	5,320.00
62.47	69.97	89.28%	2,816	361	Collection	2009	3,050.00
62.47	69.97	89.28%	6,509	361	Collection	2009	7,050.00
62.47	69.97	89.28%	4,413	361	Collection	2009	4,780.00
64.51	70.01	92.14%	13,759	361	Collection	2011	14,400.00
64.51	70.01	92.14%	29,811	361	Collection	2011	31,200.00
64.51	70.01	92.14%	2,676	361	Collection	2011	2,800.00
64.51	70.01	92.14%	5,733	361	Collection	2011	6,000.00
64.51	70.01	92.14%	-	361	Collection	2011	-
64.51	70.01	92.14%	-	361	Collection	2011	-
64.51	70.01	92.14%	3,822	361	Collection	2011	4,000.00
55.11	70.61	78.05%	16,647	361	Collection	2001	12,680.00
53.14	70.64	75.23%	32,177	361	Collection	1999	23,220.00
55.11	70.61	78.05%	19,692	361	Collection	2001	15,000.00
55.11	70.61	78.05%	22,055	361	Collection	2001	16,800.00
55.77	70.27	79.37%	21,203	361	Collection	2002	16,500.00
59.77	70.27	85.06%	44,054	361	Collection	2006	41,500.00
59.77	70.27	85.06%	62,812	361	Collection	2006	59,170.00
66.56	70.06	95.00%	34,816	361	Collection	2013	36,000.00
53.14	70.64	75.23%	248,647	361	Collection	1999	179,433.00
53.14	70.64	75.23%	8,869	361	Collection	1999	6,400.00
53.14	70.64	75.23%	8,806	361	Collection	1999	6,355.00
53.14	70.64	75.23%	95,948	361	Collection	1999	69,240.00
53.14	70.64	75.23%	9,797	361	Collection	1999	7,070.00
60.45	69.95	86.42%	189,483	361	Collection	2007	191,995.00
64.51	70.01	92.14%	19,922	361	Collection	2011	20,850.00

Original Cost less Depreciati on	Cost New	Cost New less Depreciati on	External Obsolesce nce	Fair Market Value
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OC LD Development Col. (16)	RCN Development Col. 20	RCNLD Development Col. 30	Account Parameters Lookup	#REF!
OC LD Development Col. (16)	RCN Development Col. 20	RCNLD Development Col. 30	EO	Fair Market Value

75,705	185,364	139,449	0%	139,449
25,688	62,897	47,317	0%	47,317
41,565	101,771	76,562	0%	76,562
52,341	128,155	96,411	0%	96,411
59,739	146,270	110,039	0%	110,039
61,383	150,296	113,068	0%	113,068
24,668	60,399	45,438	0%	45,438
54,128	132,532	99,704	0%	99,704

308,682	706,666	540,811	0%	540,811
13,630	23,057	19,301	0%	19,301
91,267	120,605	104,227	0%	104,227
28,243	32,710	29,203	0%	29,203
46,517	78,686	65,868	0%	65,868
17,274	29,221	24,461	0%	24,461
88,367	102,342	91,371	0%	91,371
188,204	211,817	195,168	0%	195,168
6,920	8,015	7,156	0%	7,156

37,837	64,003	53,577	0%	53,577
235,126	310,709	268,515	0%	268,515
290,765	491,845	411,723	0%	411,723

41,905	48,533	43,330	0%	43,330
62,706	70,573	65,026	0%	65,026
84,405	97,754	87,275	0%	87,275
4,069	4,579	4,219	0%	4,219

58,615	99,151	82,999	0%	82,999
149,349	197,358	170,557	0%	170,557
8,848	10,247	9,149	0%	9,149
168,238	284,583	238,224	0%	238,224
19,375	22,439	20,034	0%	20,034
14,802	16,659	15,350	0%	15,350

21,414	36,223	30,322	0%	30,322
197,601	261,121	225,661	0%	225,661
85,695	144,957	121,344	0%	121,344
14,867	17,218	15,372	0%	15,372

3,562	6,025	5,044	0%	5,044
9,501	10,694	9,853	0%	9,853
100,048	229,041	175,285	0%	175,285
7,678	8,892	7,939	0%	7,939
18,797	21,155	19,492	0%	19,492

9,860	16,679	13,962	0%	13,962
70,628	93,332	80,658	0%	80,658
13,112	15,185	13,557	0%	13,557
5,155	5,802	5,346	0%	5,346
102,412	173,236	145,016	0%	145,016

4,389	4,939	4,551	0%	4,551
36,693	84,001	64,286	0%	64,286

19,481	41,983	32,768	0%	32,768
35,057	85,837	64,575	0%	64,575
44,391	95,664	74,666	0%	74,666
38,362	82,670	64,524	0%	64,524
45,201	92,202	73,181	0%	73,181
106,729	156,593	133,198	0%	133,198
58,435	85,736	72,927	0%	72,927
46,979	50,342	47,825	0%	47,825

2,730	3,608	3,118	0%	3,118
7,325	8,483	7,574	0%	7,574

1,302	1,508	1,346	0%	1,346
-	-	-	0%	-

8,822	10,217	9,122	0%	9,122
-	-	-	0%	-

1,903	2,204	1,968	0%	1,968
1,400	1,575	1,451	0%	1,451

28,685	37,905	32,758	0%	32,758
13,838	16,026	14,308	0%	14,308
2,378	2,676	2,466	0%	2,466

29,234	38,632	33,386	0%	33,386
23,460	27,170	24,257	0%	24,257
33,943	38,201	35,198	0%	35,198

23,734	58,111	43,717	0%	43,717
10,234	22,054	17,213	0%	17,213
7,418	15,986	12,477	0%	12,477

26,331	64,470	48,501	0%	48,501
7,824	19,157	14,412	0%	14,412
4,815	11,789	8,869	0%	8,869
6,395	15,657	11,779	0%	11,779
29,415	72,022	54,182	0%	54,182
19,259	47,155	35,475	0%	35,475
2,558	6,263	4,712	0%	4,712
13,240	32,419	24,389	0%	24,389
2,558	6,263	4,712	0%	4,712
39,030	89,352	68,381	0%	68,381
15,153	34,690	26,548	0%	26,548

7,959	18,221	13,945	0%	13,945
6,027	10,195	8,534	0%	8,534
3,516	5,947	4,978	0%	4,978
2,093	3,540	2,963	0%	2,963
5,860	9,912	8,297	0%	8,297
1,674	2,832	2,371	0%	2,371
19,639	25,952	22,428	0%	22,428
25,926	34,260	29,607	0%	29,607
11,840	15,645	13,520	0%	13,520
19,963	26,380	22,798	0%	22,798
16,420	21,698	18,751	0%	18,751
8,642	11,420	9,869	0%	9,869
2,277	2,637	2,354	0%	2,354
4,768	5,522	4,930	0%	4,930
2,723	3,154	2,816	0%	2,816
11,552	19,541	16,358	0%	16,358
26,369	44,604	37,338	0%	37,338
14,649	24,780	20,743	0%	20,743
7,534	12,744	10,668	0%	10,668
5,860	9,912	8,297	0%	8,297
6,697	11,328	9,483	0%	9,483
5,538	6,414	5,726	0%	5,726
10,924	12,295	11,329	0%	11,329
1,507	2,549	2,134	0%	2,134
4,186	7,080	5,927	0%	5,927
9,107	10,547	9,416	0%	9,416

4,750	5,501	4,911	0%	4,911
2,723	3,154	2,816	0%	2,816
6,294	7,290	6,509	0%	6,509
4,268	4,943	4,413	0%	4,413
13,268	14,933	13,759	0%	13,759
28,748	32,354	29,811	0%	29,811
2,580	2,904	2,676	0%	2,676
5,528	6,222	5,733	0%	5,733
-	-	-	0%	-
-	-	-	0%	-
3,686	4,148	3,822	0%	3,822
9,897	21,328	16,647	0%	16,647
17,468	42,771	32,177	0%	32,177
11,708	25,230	19,692	0%	19,692
13,112	28,258	22,055	0%	22,055
13,096	26,714	21,203	0%	21,203
35,300	51,792	44,054	0%	44,054
50,330	73,844	62,812	0%	62,812
34,200	36,648	34,816	0%	34,816
134,987	330,516	248,647	0%	248,647
4,815	11,789	8,869	0%	8,869
4,781	11,706	8,806	0%	8,806
52,089	127,540	95,948	0%	95,948
5,319	13,023	9,797	0%	9,797
165,922	219,258	189,483	0%	189,483
19,211	21,621	19,922	0%	19,922

Residential	948
Commercial	48
Unknown	2
Total	998

Customer Account	Address	City	ZIP	Customer Class	Customer Type	P\AWC Premise Number	Usage		Billing Rate	Consumption Revenue	Flat Fees	Other Fees	Penalty & Interest	Total Billed	EDU	Daily Usage
							Billing Period	Consumption (Gallons)								
Abdallah, Rachadi & Mariamo (PW)	508 Pebble Lane	Coatesville	19320	Residential	Public Water	240673000	1,013.40	48400	0.0135	653.40	360.00	-	1,013.40	1.00	132.60	
Anita C. Abel	405 Broad Meadow Drive	Parkeburg	19365	Residential	Public Water	9240691319	198.00	8000	0.0135	108.00	90.00	-	198.00	1.00	2.15	
Acker, James E.	1953 Valley Road	Parkeburg	19365	Residential	Well		684.00	24000	0.0135	324.00	360.00	-	684.00	1.00	65.75	
Aerzen USA, (PW)	108 Independence Way	Coatesville	19320	Commercial	Public Water	240725263	2,472.75	76500	0.0135	1,032.75	1,440.00	-	2,472.75	4.00	209.59	
Afroilan, Domingo & Rebecca (PW)	1302 Old Wilmington Road	Coatesville	19320	Residential	Public Water	240619547	2,227.87	125900	0.0135	1,699.65	360.00	168.22	2,227.87	1.00	344.93	
Agatone, Michelle (PW)	223 Flagstone Circle	Coatesville	19320	Residential	Public Water	240685032	1,619.55	93300	0.0135	1,259.55	360.00	-	1,619.55	1.00	255.62	
Muhammad Ahmed	402 Green Hill Road	Parkeburg	19365	Residential	Public Water	240685025	1,035.00	50000	0.0135	675.00	360.00	-	1,035.00	1.00	136.99	
Craig Alaxson	402 Fox Trail	Parkeburg	19365	Residential	Public Water	9240691293	724.50	27000	0.0135	364.50	360.00	-	724.50	1.00	73.97	
Alcorn, Jeremy G. (PW)	1215 Wayne Lane	Coatesville	19320	Residential	Public Water	9240745635	831.15	34900	0.0135	471.15	360.00	-	831.15	1.00	95.62	
Alderman, Theodore (PW)	1921 Valley Road, Box 212	Pomeroy	19367	Residential	Public Water	240619504	787.95	31700	0.0135	427.95	360.00	-	787.95	1.00	86.85	
Alderman,Carole	68 Lincoln Avenue	Coatesville	19320	Residential	Well		657.00	22000	0.0135	297.00	360.00	-	657.00	1.00	60.27	
Alex, Elaine (PW)	112 Julie Drive	Parkeburg	19365	Residential	Public Water	240682037	943.20	43200	0.0135	583.20	360.00	-	943.20	1.00	118.36	
Alfaro, Lourdes (PW)	506 Pebble Lane	Coatesville	19320	Residential	Public Water	240674808	991.80	46800	0.0135	631.80	360.00	-	991.80	1.00	128.22	
Alferez, Teresa L.	97 Washington Lane	Coatesville	19320	Residential	Well		630.00	20000	0.0135	270.00	360.00	-	630.00	1.00	54.79	
Allen, Kimberly D. (PW)	47 Maffet Lane	Coatesville	19320	Residential	Public Water	9240745654	736.65	27900	0.0135	376.65	360.00	-	736.65	1.00	76.44	
Allgyer, Brandon (PW)	1203 Wynne Lane	Coatesville	19320	Residential	Public Water	9240745624	655.65	21900	0.0135	295.65	360.00	-	655.65	1.00	60.00	
Alnahhas, Salim (PW)	712 Forrest Drive	Coatesville	19320	Residential	Public Water	9240745654	1,134.90	57400	0.0135	774.90	360.00	-	1,134.90	1.00	157.26	
Althouse, James 2961 Lincoln Hwy	2961 Lincoln Highway	Coatesville	19320	Residential	Well		1,278.00	68000	0.0135	918.00	360.00	-	1,278.00	1.00	186.30	
Altizer, Cody	2082 Valley Road	Parkeburg	19365	Residential	Well		697.50	25000	0.0135	337.50	360.00	-	697.50	1.00	68.49	
Ammon, Aliah	2058 Valley Road	Parkeburg	19365	Residential	Well		643.50	21000	0.0135	283.50	360.00	-	643.50	1.00	57.53	
Amoriello, Aimee, (Paul Rhoades)(PW)	34 Chestnut Street	Parkeburg	19365	Residential	Public Water	240619482	654.30	21800	0.0135	294.30	360.00	-	654.30	1.00	59.73	
Amway, Grant(PW)	2930 W. Lincoln Highway	Coatesville	19320	Residential	Public Water	240687663	751.50	29000	0.0135	391.50	360.00	-	751.50	1.00	79.45	
Andrews, Richard & Daniel (PW)	2948 Lincoln Highway, PO Box 574	Sadsburyville	19369	Residential	Public Water	240722180	1,049.85	51100	0.0135	689.85	360.00	-	1,049.85	1.00	140.00	
Andrewick, Heidi (PW)	1927 Valley Road, PO Box 64	Pomeroy	19367	Residential	Public Water	240619501	623.25	19500	0.0135	263.25	360.00	-	623.25	1.00	53.42	
Antonelli, Philip (PW)	115 S. Harner Blvd	Coatesville	19320	Residential	Public Water	240743508	797.40	32400	0.0135	437.40	360.00	-	797.40	1.00	88.77	
Aquilante, Justin (PW)	603 Fox Trail	Parkeburg	19365	Residential	Public Water	240691436	1,588.50	91000	0.0135	1,228.50	360.00	-	1,588.50	1.00	249.32	
Aquilante, Mark (PW)	507 Fox Trail	Parkeburg	19365	Residential	Public Water	240689782	443.34	4400	0.0135	59.40	360.00	23.94	443.34	1.00	12.05	
Armstrong, Lowell	89 Washington Lane	Coatesville	19320	Residential	Well		806.85	29000	0.0135	391.50	360.00	55.35	806.85	1.00	79.45	
Astudillo, Germain	405 Anderson St	Coatesville	19320	Residential	Public Water	9240743477	1,789.65	105900	0.0135	1,429.65	360.00	-	1,789.65	1.00	290.14	
Audette, James	439 S. Bonsall School Road	Coatesville	19320	Residential	Well		832.50	35000	0.0135	472.50	360.00	-	832.50	1.00	95.89	
Austin, Noah (PW)	210 Fox Trail	Parkeburg	19365	Residential	Public Water	240682359	954.00	44000	0.0135	594.00	360.00	-	954.00	1.00	120.55	
Ayers, David (PW)	209 Fox Trail	Parkeburg	19365	Residential	Public Water	240682356	981.00	46000	0.0135	621.00	360.00	-	981.00	1.00	126.03	
Baen, Jesse (PW)	202 Green Hill Road	Parkeburg	19365	Residential	Public Water	240677331	502.83	7800	0.0135	105.30	360.00	37.53	502.83	1.00	21.37	
Baigent, Joseph (PW)	1301 Old Wilmington Road	Coatesville	19320	Residential	Public Water	240619513	1,183.50	61000	0.0135	823.50	360.00	-	1,183.50	1.00	167.12	
Bailey, Jennifer A	201 Fox Trail	Parkeburg	19365	Residential	Public Water	240682351	994.50	47000	0.0135	634.50	360.00	-	994.50	1.00	128.77	
Baker, James 898 Old Wm	898 Old Wilmington Road	Coatesville	19320	Residential	Well		724.50	27000	0.0135	364.50	360.00	-	724.50	1.00	73.97	
Baker, James 904	904 Old Wilmington Road	Coatesville	19320	Residential	Well		1,156.50	59000	0.0135	796.50	360.00	-	1,156.50	1.00	161.64	
Baldovich, James (PW)	706 Forrest Drive	Coatesville	19320	Residential	Public Water	240627637	831.15	34900	0.0135	471.15	360.00	-	831.15	1.00	95.62	
Bale, John & Debra (PW)	3 Washington Lane	Coatesville	19320	Residential	Public Water	240695465	562.50	15000	0.0135	202.50	360.00	-	562.50	1.00	41.10	
Bales, Joel P. (PW)	3 Wick Drive	Parkeburg	19365	Residential	Public Water	9240710276	819.75	38500	0.0135	519.75	300.00	-	819.75	1.00	141.03	
Ballymore Company (PW)	501 Gunnard Carlson Drive	Coatesville	19320	Commercial	Public Water	9240712888	3,180.60	155600	0.0135	2,100.60	1,080.00	-	3,180.60	3.00	426.30	
Barben, Betty (PW)	18 Reel Street	Coatesville	19320	Residential	Public Water	240695460	400.50	3000	0.0135	40.50	360.00	-	400.50	1.00	8.22	
Bardsley Daniel (House)(PW)	46 Quarry Road	Coatesville	19320	Residential	Public Water	240616565	897.30	39800	0.0135	537.30	360.00	-	897.30	1.00	109.04	
Bardsley, Renee (4) Apartments (PW)	46 Quarry Road	Coatesville	19320	Residential	Public Water	240616564	1,990.80	40800	0.0135	550.80	1,440.00	-	1,990.80	4.00	111.78	
Barkley, Dawn & Scott	56 Reel Street	Coatesville	19320	Residential	Well		927.00	42000	0.0135	567.00	360.00	-	927.00	1.00	115.07	
Barndt, Robert (PW)	211 West Julie Drive	Parkeburg	19365	Residential	Public Water	240673958	1,318.50	71000	0.0135	958.50	360.00	-	1,318.50	1.00	194.52	
Barnes, Charles & Shirley	38 Washington Lane	Coatesville	19320	Residential	Well		792.00	32000	0.0135	432.00	360.00	-	792.00	1.00	87.67	
Barnett, Megan L. (PW)	127 S. Harner Blvd.	Coatesville	19320	Residential	Public Water	240743502	961.02	39400	0.0135	531.90	360.00	69.12	961.02	1.00	107.95	
Barnett, Pamela L. (PW)	133 S. Harner Blvd	Coatesville	19320	Residential	Public Water	240743498	844.48	30200	0.0135	407.70	360.00	76.78	844.48	1.00	82.74	
Barnieh, Kwame S.(PW)	407 Fox Trail	Parkeburg	19365	Residential	Public Water	240685037	720.45	23000	0.0135	310.50	360.00	49.95	720.45	1.00	63.01	
Barr, Kenneth	1251 Old Wilmington Road, PO Box 152	Pomeroy	19367	Residential	Well		846.00	36000	0.0135	486.00	360.00	-	846.00	1.00	98.63	
Barrett, Cynthia (PW)	403 Anderson St.	Coatesville	19320	Residential	Public Water	9240743374	747.45	28700	0.0135	387.45	360.00	-	747.45	1.00	78.63	
Barron, Gordon & Gina (PW)	315 Flagstone Circle	Coatesville	19320	Residential	Public Water	240688762	1,602.00	92000	0.0135	1,242.00	360.00	-	1,602.00	1.00	252.05	
Bartel, Kelly Ann (PW)	101 Fox Trail	Parkeburg	19365	Residential	Public Water	240680364	792.00	32000	0.0135	432.00	360.00	-	792.00	1.00	87.67	
Barth, Kevin A	400 Anderson Street	Coatesville	19320	Residential	Public Water	9240743420	1,195.65	61900	0.0135	835.65	360.00	-	1,195.65	1.00	169.59	
Basmajian, Dennis (PW)	101 Broad Meadow Drive	Parkeburg	19365	Residential	Public Water	240685164	927.00	42000	0.0135	567.00	360.00	-	927.00	1.00	115.07	
Baxter, James (PW)	51 Maffet Lane	Coatesville	19320	Residential	Public Water	9240745659	625.95	19700	0.0135	265.95	360.00	-	625.95	1.00	53.97	
Baxter, Jayde	104 N. Harner Blvd.	Coatesville	19320	Residential	Public Water	9240745609	471.90	19400	0.0135	261.90	180.00	30.00	471.90	1.00	106.01	
Baynard, Edgar	308 Green Hill Road	Parkeburg	19365	Residential	Public Water	9240678859	1,004.20	48000	0.0135	648.00	270.00	86.20	1,004.20	1.00	175.82	
Beeghley, John & Laura (PW)	513 Pebble Lane, PO Box 561	Sadsburyville	19369	Residential	Public Water	240674810	1,383.30	75800	0.0135	1,023.30	360.00	-	1,383.30	1.00	207.67	
Beeler, Dan (PW)	228 Sandy Way	Coatesville	19320	Residential	Public Water	240691288	1,132.20	51000	0.0135	688.50	360.00	83.70	1,132.20	1.00	139.73	
Beeler, Sharon M. (PW)	114 N. Harner Blvd	Coatesville	19320	Residential	Public Water	9240745604	954.00	44000	0.0135	594.00	360.00	-	954.00	1.00	120.55	
Beiler, Mahlon (PW)	107 Broad Meadow Drive	Parkeburg	19365	Residential	Public Water	9240685161	621.00	26000	0.0135	351.00	270.00	-	621.00	1.00	95.24	
Belnome, Vincent M	15 Reel Street	Coatesville	19320	Residential	Public Water	9240697042	111.00	6000	0.0135	81.00	30.00	-	111.00	1.00	200.00	
Bennett, Michael & Sharon(PW)	10 Smith Farm Lane	Parkeburg	19365	Residential	Public Water	240733216	636.75	20500	0.0135	276.75	360.00	-	636.75	1.00	56.16	
Bennett, Michael (PW)	10 Smth Farm Lane	Parkeburg	19365	Residential	Public Water	240735583	740.70	28200	0.0135	380.70	360.00	-	740.70	1.00	77.26	