

Fund Balance	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
plus: Equipment Fund Transfers	-	-	-	-	-	-	-	-	-	-	-	-
plus: Net Debt Proceeds Available for Projects	-	-	-	-	5,700,000	-	2,500,000	-	2,200,000	-	-	-
plus: Interest Earnings	900	900	901	1,772	2,028	26,869	-	872	2,001	19,219	2,242	3,401
Total Funding Sources	\$ 1,266,465	\$ 735,072	\$ 617,610	\$ 2,825,250	\$ 7,069,605	\$ 4,348,592	\$ 5,339,927	\$ 509,548	\$ 4,486,934	\$ 2,882,136	\$ 340,106	\$ 450,941
less: Capital Expenditures	(723,807)	(615,000)	(440,380)	(2,622,409)	(4,382,665)	(4,432,515)	(5,252,707)	(309,436)	(2,565,070)	(2,657,894)	-	-
Ending Capital Balance	\$ 542,658	\$ 120,072	\$ 177,230	\$ 202,840	\$ 2,686,940	\$ (83,923)	\$ 87,220	\$ 200,112	\$ 1,921,864	\$ 224,241	\$ 340,106	\$ 450,941
Minimum Target Balance	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 300,000
DRAINAGE PLANT INVESTMENT FUND - 412												
Beginning Balance	\$ 100,227	\$ 42,000	\$ 8,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
plus: Plant Investment Fees	20,000	-	33,250	44,502	46,251	48,069	49,959	51,923	53,964	56,085	58,290	60,581
plus: Interest	200	210	67	-	-	-	-	-	-	-	-	-
less: Transfers to Drainage Construction	(56,000)	(33,250)	(42,277)	(44,502)	(46,251)	(48,069)	(49,959)	(51,923)	(53,964)	(56,085)	(58,290)	(60,581)
less: Transfers to Other	(50,000)	-	-	-	-	-	-	-	-	-	-	-
Ending Fund Balance	\$ 14,427	\$ 8,960	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
DRAINAGE EQUIPMENT RESERVE - 458												
Beginning Balance	\$ 69,352	\$ 10,352	\$ 20,552	\$ 30,706	\$ 41,236	\$ 52,100	\$ 63,305	\$ 74,861	\$ 86,775	\$ 99,058	\$ 111,718	\$ 124,765
plus: Transfers from Drainage Fund	10,000	10,000	10,000	10,223	10,451	10,684	10,922	11,166	11,415	11,670	11,930	12,196
plus: Interest	-	200	154	307	412	521	633	749	868	991	1,117	1,248
less: Transfers to Drainage Construction	-	-	-	-	-	-	-	-	-	-	-	-
less: Transfers to Other (Machinery & Equipment)	(69,000)	-	-	-	-	-	-	-	-	-	-	-
Ending Reserve Balance	\$ 10,352	\$ 20,552	\$ 30,706	\$ 41,236	\$ 52,100	\$ 63,305	\$ 74,861	\$ 86,775	\$ 99,058	\$ 111,718	\$ 124,765	\$ 138,209
COMBINED BEGINNING BALANCE	\$ 875,846	\$ 785,407	\$ 188,407	\$ 243,717	\$ 271,304	\$ 2,731,381	\$ (11,788)	\$ 161,275	\$ 276,148	\$ 1,999,941	\$ 304,424	\$ 422,460
COMBINED ENDING BALANCE	\$ 647,004	\$ 188,407	\$ 243,717	\$ 271,304	\$ 2,731,381	\$ (11,788)	\$ 161,275	\$ 276,148	\$ 1,999,941	\$ 304,424	\$ 422,460	\$ 535,384

Project Costs and O&M Impacts in Year: **2015**

No	Description	2014	2015	2016	2017	2018	2019	2020
1	Drainage Rate Study	\$ 100,000						
2	Improvements	10,000						
3	Irvine Slough Pump Station	245,000						
4	SR 532 Drainage	50,000						
5	Florence Rd Drainage	-						
6	Sd-6 Seven Tube Tide Gate Re	-						
7	Retention Pond Improvements	25,000						
8	Enclose Ditch Lovers' Lane	-						
9	Flood By-Pass WWTP Lagoon	-						
10	Irvine Slough Erosion Control	300,000						
11	270th Drainage	10,000						
12	85th Drainage (Pioneer Hwy To 276th)	10,000						
13								
14								
15	Future Projects Costs - Gap		-	-	-	-	-	-
16								
17	(-) Retention Pond Improvements		25,000	25,000	25,000	25,000	25,000	25,000
18	(10) 85th Ave N Runoff			100,000	344,300	344,335		
19	(13) Irvine Slough Pump Station (pump repl)		145,000					
20	(1) Irvine Slough Stormwater Separation		300,000	-	1,000,000	2,700,000	2,200,000	2,600,000
21	(11) SR532 Flood Berm				500,000	500,000		
22	(14) Irvine Slough Mitigation		50,000					
23	(5) 270th (Florence to 88th)		95,000	100,000	178,138			
24	(7) 101st, 102nd, 103rd Replacement				250,000	250,000	1,000,000	612,000
25	(9) 7 Flood Culvert Structure				145,000			
26	(2) 92nd Ave (271st-SR532)					120,000	520,000	
27	(3) 271st (101st-102nd)						100,000	400,000
28	(12) Sheetpile Walls WWTP (Note 1)			200,000				250,000
29	(4) 276th PI Pioneer Hwy Drainage Imp							58,791
30	(6) Augusta St. Pipe Upsize							292,915
31	(8) 271st St. NW @ Florence Rd Upsize							158,642
Total Capital Projects		\$ 750,000	\$ 615,000	\$ 425,000	\$ 2,442,438	\$ 3,939,335	\$ 3,845,000	\$ 4,397,348
Total Upgrade/Expansion Projects		-	-	-	-	-	-	-
Total R&R Projects		750,000	615,000	425,000	2,442,438	3,939,335	3,845,000	4,397,348

Summary of Expenditures	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
CAPITAL PROJECTS													
Improvement Upgrades & Expansions	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Repairs and Replacements	723,807	615,000	440,380	2,622,409	4,382,665	4,432,515	5,252,707	309,436	2,565,070	2,657,894	-	-	24,001,884
TOTAL CAPITAL EXPENDITURES	\$ 723,807	\$ 615,000	\$ 440,380	\$ 2,622,409	\$ 4,382,665	\$ 4,432,515	\$ 5,252,707	\$ 309,436	\$ 2,565,070	\$ 2,657,894	\$ -	\$ -	\$ 24,001,884

Capital Financing Plan	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	Total
Additional Proceeds (Costs)	\$ 306,000	\$ -	\$ 10,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 6,000	\$ 370,000
Project Specific CIAC	300,000	300,000	252,750	2,315,588	1,112,485	1,518,150	2,850,000	250,000	2,000,000	820,498	-	-	11,719,471
Project to be Funded	\$ 117,807	\$ 315,000	\$ 177,630	\$ 300,821	\$ 3,264,180	\$ 2,908,365	\$ 2,396,707	\$ 53,436	\$ 559,070	\$ 1,831,396	\$ -	\$ -	
OTHER FUNDING SOURCES													
Other Outside Sources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Rate Funded System Reinvestment	163,200	72,579	-	-	-	-	-	-	-	-	-	-	235,779
Plant Investment Fee Revenue Towards Capital	-	-	-	-	-	-	-	-	-	-	-	-	-
PWTF Loans	-	-	-	-	-	-	-	-	-	-	-	-	-
Low Interest Loans	-	-	-	-	5,700,000	-	2,500,000	-	2,200,000	-	-	-	10,400,000
Revenue Bond Proceeds	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL CAPITAL RESOURCES	\$ 769,200	\$ 372,579	\$ 262,750	\$ 2,321,588	\$ 6,818,485	\$ 1,524,150	\$ 5,356,000	\$ 256,000	\$ 4,206,000	\$ 826,498	\$ 6,000	\$ 6,000	



City of Stanwood

Stormwater Utility Rate Study

Plant and Investment Fee

EXISTING COST BASIS	2014
Plant in Service	\$ 6,027,064
less: CIAC	(3,788,238)
plus: Interest	1,491,378
Total Existing Cost Basis	\$ 3,730,204

FUTURE COST BASIS	2014
Total Capital Improvement Program	\$ 19,914,121
less: Renewal and Replacement	(17,714,121)
less: Growth Share CIAC	(1,632,659)
Total Future Cost Basis	\$ 567,341

CUSTOMER BASE	2014
Existing ERUs	3,107
Future ERUs	1,546
Total ERUs	4,653

PLANT AND INVESTMENT FEE	2014
Existing Cost Basis	\$ 3,730,204
Allocable ERUs	4,653
Existing Cost Basis Portion	\$ 802
Future Cost Basis	\$ 567,341
Allocable ERUs	1,546
Future Cost Basis Portion	\$ 367
TOTAL PLANT AND INVESTMENT FEE	\$ 1,169

Existing	\$ 665
Difference	\$ 504



City of Stanwood

Stormwater Utility Rate Study

Private Pond Data

PRIVATELY OWNED POND ASSUMPTIONS													
PRIVATELY OWNED POND	TRACT #	LOTS SERVED	POND TYPE	CITY 2014 MAINT. HRS	Pond turned over to HOA	BEFORE April Est Maint. Hrs	CIP Cost to Bring Pond up	AFTER April (growing)	CIP Cost to Bring Pond up	MAINT. RANKING		ASSUMED FUTURE	MAX. LOTS
Candle Ridge II 283rd	4	1 thru 34	Retention	0	Yes	16	\$816	24	\$1,224	LOW		\$ 1,224	34
Cedarhome Farms	998	1 thru 64	Detention	0	Yes	16	\$816	24	\$1,224	LOW		1,224	64
Cedarhome Ridge	999	1 thru 39	Swail	0	Always maintained by HOA					LOW		-	39
Church Creek Estates	C	1 thru 133	Retention	0	Yes	16	\$816	24	\$1,224	HIGH		1,224	133
Copper Station	995	1 thru 185	Detention	8	City remove treaylor's Excavator		\$24,000	24	\$24,000	LOW	after tree removal	1,224	185
Kylie Park III 287th & 72nd	999	1 thru 28	Retention	0	City HOA mainta	0	0	8	\$408	LOW		408	28
Pioneer Hills I	80 & 81	0, 38-40, 64-79,	Retention	16	No	16	\$816	24	\$1,224	HIGH		1,224	82
Ridgeland Estates	999	1 thru 66	Wetland	4	st year to take					LOW/NONE		-	66
Summerset	997	1 thru 33	Detention	0	Yes	16	\$816	24	\$1,224	HIGH		1,224	33
Total							\$28,080					\$ 7,752	

COST PROJECTION															
PRIVATELY OWNED POND	LOTS SERVED	MAX. LOTS	2014	Escalation	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Candle Ridge II 283rd	1 thru 34	34	\$ 1,224	2.23%	\$ 1,251	\$ 1,279	\$ 1,308	\$ 1,337	\$ 1,367	\$ 1,397	\$ 1,428	\$ 1,460	\$ 1,493	\$ 1,526	\$ 1,560
Cedarhome Farms	1 thru 64	64	1,224	2.23%	1,251	1,279	1,308	1,337	1,367	1,397	1,428	1,460	1,493	1,526	1,560
Cedarhome Ridge	1 thru 39	39	-	2.23%	-	-	-	-	-	-	-	-	-	-	-
Church Creek Estates	1 thru 133	133	1,224	2.23%	1,251	1,279	1,308	1,337	1,367	1,397	1,428	1,460	1,493	1,526	1,560
Copper Station	1 thru 185	185	24,000	2.23%	24,535	1,279	1,308	1,337	1,367	1,397	1,428	1,460	1,493	1,526	1,560
Kylie Park III 287th & 72nd	1 thru 28	28	408	2.23%	417	426	436	446	456	466	476	487	498	509	520
Pioneer Hills I	0, 38-40, 64-79,	82	1,224	2.23%	1,251	1,279	1,308	1,337	1,367	1,397	1,428	1,460	1,493	1,526	1,560
Ridgeland Estates	1 thru 66	66	-	2.23%	-	-	-	-	-	-	-	-	-	-	-
Summerset	1 thru 33	33	1,224	2.23%	1,251	1,279	1,308	1,337	1,367	1,397	1,428	1,460	1,493	1,526	1,560
Total		664	\$ 30,528		\$ 31,209	\$ 8,102	\$ 8,282	\$ 8,467	\$ 8,656	\$ 8,849	\$ 9,046	\$ 9,248	\$ 9,454	\$ 9,665	\$ 9,881

PRIVATELY OWNED POND - BI-MONTHLY															
PRIVATELY OWNED POND - BI-MONTHLY	LOTS SERVED	MAX. LOTS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Candle Ridge II 283rd	1 thru 34	34	\$ 6.00	\$ 6.13	\$ 6.27	\$ 6.41	\$ 6.55	\$ 6.70	\$ 6.85	\$ 7.00	\$ 7.16	\$ 7.32	\$ 7.48	\$ 7.65	
Cedarhome Farms	1 thru 64	64	3.19	3.26	3.33	3.41	3.48	3.56	3.64	3.72	3.80	3.89	3.97	4.06	
Cedarhome Ridge	1 thru 39	39	-	-	-	-	-	-	-	-	-	-	-	-	
Church Creek Estates	1 thru 133	133	1.53	1.57	1.60	1.64	1.68	1.71	1.75	1.79	1.83	1.87	1.91	1.96	
Copper Station	1 thru 185	185	21.62	22.10	1.15	1.18	1.20	1.23	1.26	1.29	1.32	1.34	1.37	1.41	
Kylie Park III 287th & 72nd	1 thru 28	28	2.43	2.48	2.54	2.59	2.65	2.71	2.77	2.83	2.90	2.96	3.03	3.10	
Pioneer Hills I	0, 38-40, 64-79,	82	2.49	2.54	2.60	2.66	2.72	2.78	2.84	2.90	2.97	3.03	3.10	3.17	
Ridgeland Estates	1 thru 66	66	-	-	-	-	-	-	-	-	-	-	-	-	
Summerset	1 thru 33	33	6.18	6.32	6.46	6.60	6.75	6.90	7.06	7.21	7.37	7.54	7.71	7.88	
Total/Average		664	\$ 7.66	\$ 7.83	\$ 2.03	\$ 2.08	\$ 2.13	\$ 2.17	\$ 2.22	\$ 2.27	\$ 2.32	\$ 2.37	\$ 2.43	\$ 2.48	
Total/Average less Swail & Wetland		559	\$ 9.10	\$ 9.30	\$ 2.42	\$ 2.47	\$ 2.52	\$ 2.58	\$ 2.64	\$ 2.70	\$ 2.76	\$ 2.82	\$ 2.88	\$ 2.95	

PRIVATELY OWNED POND - MONTHLY															
PRIVATELY OWNED POND - MONTHLY	LOTS SERVED	MAX. LOTS	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
Candle Ridge II 283rd	1 thru 34	34	\$ 3.00	\$ 3.07	\$ 3.14	\$ 3.21	\$ 3.28	\$ 3.35	\$ 3.42	\$ 3.50	\$ 3.58	\$ 3.66	\$ 3.74	\$ 3.82	
Cedarhome Farms	1 thru 64	64	1.59	1.63	1.67	1.70	1.74	1.78	1.82	1.86	1.90	1.94	1.99	2.03	
Cedarhome Ridge	1 thru 39	39	-	-	-	-	-	-	-	-	-	-	-	-	
Church Creek Estates	1 thru 133	133	0.77	0.78	0.80	0.82	0.84	0.86	0.88	0.89	0.91	0.94	0.96	0.98	
Copper Station	1 thru 185	185	10.81	11.05	0.58	0.59	0.60	0.62	0.63	0.64	0.66	0.67	0.69	0.70	
Kylie Park III 287th & 72nd	1 thru 28	28	1.21	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.51	1.55	
Pioneer Hills I	0, 38-40, 64-79,	82	1.24	1.27	1.30	1.33	1.36	1.39	1.42	1.45	1.48	1.52	1.55	1.59	
Ridgeland Estates	1 thru 66	66	-	-	-	-	-	-	-	-	-	-	-	-	
Summerset	1 thru 33	33	3.09	3.16	3.23	3.30	3.38	3.45	3.53	3.61	3.69	3.77	3.85	3.94	
Total/Average		664	\$ 3.83	\$ 3.92	\$ 1.02	\$ 1.04	\$ 1.06	\$ 1.09	\$ 1.11	\$ 1.14	\$ 1.16	\$ 1.19	\$ 1.21	\$ 1.24	
Total/Average less Swail & Wetland		559	\$ 4.55	\$ 4.65	\$ 1.21	\$ 1.23	\$ 1.26	\$ 1.29	\$ 1.32	\$ 1.35	\$ 1.38	\$ 1.41	\$ 1.44	\$ 1.47	