

Board of Public Utilities

Regular Meeting Agenda

Monday, April 30, 2012

4:00 p.m., DPW Conference Room, 1199 8th Avenue



City of South Haven

1. Call to Order
2. Roll Call
3. Approval of Agenda
4. Approval of Minutes – March 26, 2012
5. Interested Citizens in the Audience Will be Heard on Items Not on the Agenda

REPORTS

6. **Cost of Energy from Indiana-Michigan Power Company (AEP)**
 - A. 2012 Billings – All Charges
 - B. 2011 Billings – All Charges
7. **Financial Reports**
 - A. Water Fund CuFt Comparisons
 - B. Water Fund Financial Statement
 - C. Sewer Fund Financial Statement
 - D. Electric Fund KWH Comparisons
 - E. Electric Fund Financial Statement
8. **Water Filtration Plant Construction Project**
 - A. Fishbeck, Thompson, Carr & Huber Monthly Status Report 43
9. **Indian Grove Infrastructure Project**
 - A. Sewer Study Progress Report
10. **Unresolved Issues Report**
11. **Electric Outage Report, 1st Quarter 2012**

OLD BUSINESS

12. **Board will be presented additional information concerning the fees being charged for establishing a new utility account (read and change fee).**

NEW BUSINESS

13. Board will be requested to approve water, sewer, and electric rate adjustments for Fiscal Year 2012 – 2013 beginning on July 1, 2012.

14. Board will be requested to approve award of Bid Number 2012-04, #109 Blue Star Highway Line Rebuild.

15. Board will begin the process of reviewing the tampering policy and fee.

16. Next meeting is scheduled for TUESDAY, May 29, 2012 at 4:00 pm in the DPW Conference Room, 1199 8th Avenue, South Haven, Michigan.

17. Director's Comments

18. Board Member Comments

19. Adjourn

RESPECTFULLY SUBMITTED,

Roger Huff, P.E.
Public Works Director

Board of Public Utilities

Regular Meeting Minutes

Monday, March 26, 2012
4:00 p.m., DPW Conference Room, 1199 8th Avenue



City of South Haven

1. Call to Order by Stickland at 4 p.m.

2. Roll Call

Present: Burr, Olson, Stein (ex-officio), Stickland
Absent: Berry, Henry, Overhiser (ex-officio), Rose (ex-officio)

3. Approval of Agenda

Motion by Burr, second by Olson to approve the March 26, 2012 agenda as presented. All in favor. Motion carried.

4. Approval of Minutes – February 27, 2012

Motion by Olson, second by Burr to approve the February 27, 2012 Regular Meeting Minutes as written. All in favor. Motion carried.

5. Interested Citizens in the Audience Will be Heard on Items Not on the Agenda

There were none.

There was discussion among the board regarding fees for turn-on of meters as opposed to tamper fees. Stickland requested that staff provide the utility policy for review at the next meeting.

REPORTS

6. Cost of Energy from Indiana-Michigan Power Company (AEP)

- A. 2012 Billings – All Charges
- B. 2011 Billings – All Charges

Stickland noted the cost per kwh went down 14.8% since last month; demand and fuel costs were also down. Burr agreed that our demand went down.

7. Financial Reports

- A. Water Fund CuFt Comparisons
- B. Water Fund Financial Statement

- C. Sewer Fund Financial Statement
- D. Electric Fund KWH Comparisons
- E. Electric Fund Financial Statement

Hochstedler gave an overview of the financial reports. Hochstedler noted that revenues are a little misleading due to special assessments. In Transfers Out there were some adjustments in and out; the Debt Fund was getting too much money and Williams Street had water related changes and main problems that were transferred to the Downtown Development Authority temporarily. Stickland asked if there was a reason that was not budgeted and noted that the transfer out is \$600,000 over budget. Hochstedler noted that Transfers Out includes all the debt service which explains why that is so high. The YTD Budget is divided by twelve which is why it looks messed up. Hochstedler noted that she made sure all transfers were made so there are no more transfers out to be made. Burr asked how often debt service is taken off. Hochstedler said the Treasurer has been taking more than required so Hochstedler had her go back and fix that. Burr asked about Transfers Out having a budget figure of \$107,000. Hochstedler noted that there are two different kinds of Debt Service which go to specific Debt Service funds. Hochstedler noted that the St Joseph project has funds in the Transfers Out column; Hochstedler transferred the Kal Haven Trail overage and the YTD figure needs to be adjusted to cover those overages.

Burr noted that the budget for this year included thirty new hookups multiplied by \$4,000. Chances are we had more hookups than that and Hochstedlar is putting that into Debt Service. Hochstedlar noted that we did have more connection fees in the early part of the year than we actually need to pay this debt service off. Burr asked whether there are excess fees from the prior year. Hochstedlar asked the Treasurer to watch the Debt Service closer and when we reach the top number the remaining money goes into the Water Fund. Stein noted that the bond is running a surplus and not a deficit. Burr pointed out that 25% of the water plant cost is covered by new connections. The problem Burr sees in the future is that after two years of thirty connections it might jump to sixty connections. Hochstedler said her concern is that any excess from debt service go back into the Water Fund. Burr noted an 8% loss of sales in the last month. Electric was down 11% YTD over last year.

Burr had a question on depreciation which Hochstedler explained that 575 includes the depreciation for the new water plant.

Hochstedlar noted that the same situation exists in the Sewer Fund. In Transfers Out the sewer fund had two different amounts that would total \$427,983 between Williams Street and Kal Haven Trail projects that came through on change orders. Burr said he thought \$200,000 was coming back from the County but Hochstedlar said that is not part of sewer. Burr noted that the owners on the Peterson Drain will be assessed for the sewer problem. Hochstedlar said the capital bond amount hasn't all been transferred out, nor has all of the St. Joe Street special sewer assessments been transferred out. Hochstedlar said some of that figure is Kal Haven Trail and part is St Joseph. Stickland asked why we did that if we did not have enough money; Hochstedlar said the projects were to be funded but that was before the change orders. Stickland said he did not remember going into these projects with the idea of being entirely funded by these funds.

Burr, on Rolling Twelve Months Electric Fund, noted the Transfers Out. Hochstedlar said a portion of that went to Downtown Development Authority and in July it was decided that the

electric fund was not to be paying for the decorative lights. The Downtown Development Authority will be repaying the Electric Fund with interest starting July 1, 2012. Hochstedlar noted that the money will come back as repayment of a loan. Burr asked for the balance of the fund which Hochstedlar noted was \$4M. Burr brought up keeping a balance and asked Hochstedlar her thoughts. Hochstedlar said you had a 10-yr plan and got it all done in 5-yrs; there is no rule of thumb. Olson noted that if we have a big ice storm we could need \$3M. Stickland said we do not know what we need to rebuild the system but we could not do it for \$4M. Per Stickland this system is about a 25-year life system and according to Burr it was started in 1988. Stickland said he would like to see us look at some of those lines that we reconducted back in the 1980s. Burr said we need to spend some dollars on tree trimming. Huff noted that Priebe still has a grid that he works from, keeping the trees trimmed.

8. Water Filtration Plant Construction Project

A. Fishbeck, Thompson, Carr & Huber Monthly Status Report 42

Huff noted that this is the standard report but it is all South Beach improvements. There was discussion of the sidewalks around the plant and Huff noted that is all done. Stickland questioned whether the lights were funded from the water fund. Stickland asked about the screen house; Huff noted the screens are out and there are new screens in the pump station.

9. Indian Grove Infrastructure Project

A. Sewer Study Progress Report

Huff has asked Abonmarche to provide monthly reports and if something new comes up they can come to the meeting. Stickland asked about the metering they are doing; Huff said they are putting the meters in the manholes and they are data logging meters.

10. Unresolved Issues Report

Huff noted that the Indian Grove Infrastructure Project can be taken off the list. Stickland asked that he make a note of it.

Burr asked about getting our contact at AEP straightened out to find out whom to contact if we have a problem. Stickland said we are scheduled to meet with American Electric Power the Friday before the next Board of Public Utilities meeting. Huff will have a fact list for us to go over before we get there. Burr noted that we don't have contact numbers any more. Burr suspects their dispatch center may have changed; we may be being dispatched out of Ohio.

NEW BUSINESS

11. Board will be requested to review fees for water connections, sewer connections, and water meter deposits.

Larry Halberstadt said it has been five years since we looked at connection and meter fees. We are losing quite a bit of money on them. Huff noted that the raise is mostly material costs; plastic is static but any kind of metals are through the roof. Halberstadt noted that labor costs increase about 2% every year.

Halberstadt said the City has changed manufacturers from Badger to Metron; it is a higher quality meter with less moving parts. Stickland said it is a brass meter. Halberstadt noted this is a drive-by read system; Stickland noted that they are mixed throughout the routes, so we really are not reading them. Stickland said we never did approve the conversion to radio reading but now we are apparently converting by osmosis. Huff noted that is the way the meters come. Stickland said we have never been able to amortize the cost. Stickland asked if we can put this off.

Olson questioned whether the meters can be ordered without radios. Huff noted that there would be two different costs. Stickland thought we have always had a separate fee for Covert customers. Halberstadt noted that Covert charges their customer a fee and we just turn around and charge the cost. Halberstadt and Stein discussed the way South Haven Township charges their customers. Stickland said these meters were chosen because they measure low-flow more accurately. Halberstadt said the old meters were made in the United States of America but they have moved all their manufacturing to Mexico, while the Metron meter is still made in the United States. Stein asked if there is a Metron meter that is not radio compatible. Stein asked if the only meter Metron makes is radio compatible.

Burr noted that these meters have batteries. Halberstadt said they are ten year batteries. Stickland would like to find out about getting a meter without the radio on them. Stickland feels it is irresponsible to put something on the customer's tab that we may never use.

Motion by Olson second by Burr to recommend to Council that the City buy Metron meters without radios for everyone except Covert customers. All in favor. Motion carried.

Stickland noted that this is the most detailed estimate of cost he has ever been approached with. Halberstadt noted there is still a certain amount of estimating due to differences in sites. Halberstadt noted that on a 1" service you could request a ¾" to a 1" meter. There was discussion regarding the size of service and what is included in the cost of putting in the service. Stickland would like to cut the overhead down to 10%, and perhaps get it down to a \$3,000.00 flat fee. Halberstadt noted he could round things to the nearest \$10. Halberstadt said it would be feasible to take the administrative fee down to 10%. A ¾" meter is \$450; a service tap fee is \$2,500 for a total of \$3,200.

Stickland said all we really did was take the administrative fee from 20% to 10%. That brings it to about \$2,800.

Motion by Olson, second by Burr to approve the meter assembly cost as presented eliminating the T-2 radio for non-Covert customers. All in favor. Motion carried.

Motion by Burr, second by Olson to reduce the administrative fee from 20% to 10% on 1" water service connection fee. All in favor. Motion carried.

The board looked at the sewer service cost. Stickland suggested cutting the administrative fee to 10%, noting he thinks we will meet costs at that rate. Halberstadt noted \$3,838 plus half of the admin fee = \$4,300. Halberstadt noted that "It is not pretty but we haven't raised rates for 5 - 6 years".

Motion by Burr, second by Olson to reduce the sewer administrative fee from 20% to 10% making the total cost for a 4" sewer connection fee \$4,300. All in favor. Motion carried.

12. Next meeting is scheduled for Monday, April 30, 2012 at 4:00 pm in the DPW Conference Room, 1199 8th Avenue, South Haven, Michigan.

13. Director's Comments

None at this time.

14. Board Member Comments

None at this time.

15. Adjourn

Motion by Burr, second by Olson to adjourn at 6:07 p.m. All in favor. Motion carried.

RESPECTFULLY SUBMITTED,

Marsha Ransom
Recording Secretary

CITY OF SOUTH HAVEN
 Cost of Electric Energy from Indiana-Michigan Power Company (AEP)
 2012

Date	ACTUAL				BILLING			COST				PJM Open Access Transmission Tariff						Total Cost	cts/ KWHR	
	KW Demand	KVAR Demand	KVA	Power Factor	KW Demand	KVAR Demand	KWHR	\$ KW Demand	\$ KWHR	\$ Fuel Charge	\$ Fuel Adjust	Actual Fuel True-up	Sch 1A \$ KWHRS	\$ Network	RTO Start-up \$	Other	Credits			Total PJM
Main	11,992	1,726	12,116	0.9898	11,992	1,726	7,258,601	\$175,538.81	\$88,450.41											
Welder	309	328	451	0.6861	309	328	153,255	\$4,526.07	\$1,867.50											
Phoenix	7,708	874	7,757	0.9936	7,707	874	4,477,882	\$112,822.34	\$54,565.67											
Welder	38	62	73	0.5264	38	62	23,707	\$559.17	\$288.88											
Jan-12	20,047	2,990	20,269	0.9891	20,047	2,990	11,913,444	\$293,446.39	\$145,172.46	\$195,737.44	(\$1,504.66)	\$18,840.08	\$1,130.95	\$81,705.56	\$274.86	\$7,764.31	(\$1,605.84)	\$89,269.84	\$740,961.55	6.220
Main	11,246	1,489	11,344	0.9913	11,246	1,489	6,660,702	\$164,619.02	\$81,164.65											
Welder	356	420	550	0.6466	356	420	170,777	\$5,208.20	\$2,081.02											
Phoenix	7,083	787	7,127	0.9939	7,083	787	4,106,471	\$103,685.35	\$50,039.81											
Welder	10	30	31	0.3085	10	30	6,689	\$140.52	\$81.51											
Feb-12	18,695	2,726	18,892	0.9895	18,695	2,726	10,944,640	\$273,653.09	\$133,367.00	\$179,820.02	(\$35,803.12)	(\$36,698.09)	\$1,038.98	\$76,434.23	\$257.13	\$7,764.54	(\$1,303.19)	\$84,191.69	\$598,530.59	5.469
Main	11,229	2,433	11,490	0.9773	11,229	2,433	6,659,854	\$164,369.52	\$81,154.32											
Welder	245	291	380	0.6442	245	291	180,979	\$3,581.92	\$2,205.34											
Phoenix	7,798	2,001	8,050	0.9686	7,798	2,001	4,202,080	\$114,142.73	\$51,204.86											
Welder	11	34	36	0.2995	11	34	7,398	\$158.09	\$90.15											
Mar-12	19,282	4,759	19,861	0.9709	19,282	4,759	11,050,311	\$282,252.26	\$134,654.67	\$181,556.19	(\$16,811.90)	\$3,379.59	\$1,049.01	\$81,705.56	\$274.86	\$7,768.31	(\$1,217.13)	\$89,580.61	\$674,611.42	6.105

CITY OF SOUTH HAVEN
 Cost of Electric Energy from Indiana-Michigan Power Company (AEP)
 2011

Date	ACTUAL				BILLING			COST				PJM Open Access Transmission Tariff						Total Cost	cts/ KWH	
	KW Demand	KVAR Demand	KVA	Power Factor	KW Demand	KVAR Demand	KWHR	\$ KW Demand	\$ KWH	\$ Fuel Charge	\$ Fuel Adjust	Actual Fuel True-up	Sch 1A \$ KWHR	\$ Network	RTO Start-up \$	Other	Credits			Total PJM
Main	11,228	1,663	11,350	0.9892	11,228	1,663	7,239,784	\$155,496.21	\$91,856.93											
Welder	269	207	339	0.7928	269	207	53,773	\$3,724.00	\$682.26											
Phoenix	7,585	977	7,647	0.9918	7,585	977	4,651,607	\$105,040.08	\$59,018.66											
Welder	19	26	32	0.5871	19	26	8,343	\$263.13	\$105.85											
Jan-11	19,101	2,873	19,315	0.9889	19,101	2,873	11,953,507	\$264,523.42	\$151,663.70	\$209,894.01	\$24,418.62	\$56,802.84	\$1,259.60	\$59,786.26	\$264.76	\$7,328.78	(\$1,656.05)	\$66,983.35	\$774,285.94	6.477
Main	11,317	1,446	11,409	0.9919	11,317	1,446	6,400,436	\$156,729.10	\$81,207.45											
Welder	63	224	232	0.2713	63	224	40,983	\$872.49	\$519.98											
Phoenix	7,747	925	7,802	0.9929	7,747	925	4,102,424	\$107,282.63	\$52,050.73											
Welder	10	25	27	0.3675	10	25	6,337	\$135.72	\$80.41											
Feb-11	19,136	2,619	19,315	0.9908	19,136	2,619	10,550,180	\$265,019.93	\$133,858.57	\$185,252.72	(\$188.85)	\$12,773.86	\$1,111.72	\$54,000.49	\$239.13	\$7,328.78	(\$1,230.20)	\$61,449.92	\$658,166.15	6.238
Main	10,809	1,463	10,908	0.9910	10,809	1,463	6,756,663	\$149,693.90	\$85,727.19											
Welder	310	216	378	0.8198	310	216	45,295	\$4,286.27	\$574.70											
Phoenix	7,040	834	7,089	0.9931	7,040	834	4,314,678	\$97,495.63	\$54,743.77											
Welder	10	28	29	0.3275	10	28	7,453	\$132.95	\$94.56											
Mar-11	18,168	2,541	18,345	0.9904	18,168	2,541	11,124,090	\$251,608.74	\$141,140.23	\$195,330.12	(\$51,493.41)	(\$39,751.40)	\$1,172.20	\$59,786.26	\$264.76	\$7,328.78	(\$1,200.49)	\$67,351.51	\$564,185.79	5.072
Main	10,639	1,501	10,744	0.9902	10,639	1,501	6,146,900	\$147,339.10	\$77,990.64											
Welder	461	225	513	0.8988	461	225	100,331	\$6,389.93	\$1,272.98											
Phoenix	6,968	893	7,025	0.9919	6,968	893	3,984,501	\$96,495.04	\$50,554.55											
Welder	9	59	60	0.1573	9	59	10,581	\$130.18	\$134.24											
Apr-11	18,078	2,678	18,275	0.9892	18,077	2,678	10,242,312	\$250,354.24	\$129,952.41	\$179,846.81	(\$52,243.99)	(\$13,625.51)	\$1,079.28	\$57,857.67	\$256.22	\$7,328.78	(\$1,135.36)	\$65,386.59	\$559,670.55	5.464
Main	10,574	3,876	11,262	0.9389	10,574	3,876	6,533,012	\$146,445.32	\$82,889.55											
Welder	181	254	311	0.5809	181	254	122,023	\$2,505.28	\$1,548.21											
Phoenix	14,061	3,655	14,528	0.9678	14,061	3,655	4,356,917	\$194,731.34	\$55,279.69											
Welder	9	24	25	0.3398	9	24	16,180	\$119.10	\$205.29											
May-11	24,825	7,808	26,024	0.9539	24,825	7,808	11,028,133	\$343,801.05	\$139,922.74	\$193,645.18	(\$15,522.10)	\$75,836.26	\$1,162.09	\$59,786.26	\$264.76	\$7,328.78	(\$1,264.19)	\$67,277.70	\$804,960.83	7.299
Main	16,113	4,818	16,818	0.9581	16,113	4,818	7,177,522	\$223,148.80	\$91,066.96											
Welder	242	252	349	0.6920	242	252	113,105	\$3,344.53	\$1,435.06											
Phoenix	11,893	4,473	12,706	0.9360	11,893	4,473	4,932,546	\$164,701.93	\$62,583.16											
Welder	10	20	22	0.4292	10	20	6,568	\$132.95	\$83.34											
Jun-11	28,257	9,563	29,831	0.9472	28,257	9,563	12,229,742	\$391,328.22	\$155,168.52	\$200,934.20	(\$16,775.50)	\$58,194.61	\$1,288.70	\$57,857.67	\$256.22	\$8,284.48	(\$1,122.84)	\$66,564.23	\$855,414.27	6.995
Main	18,848	6,308	19,876	0.9483	18,848	6,308	6,455,008	\$275,897.17	\$78,658.15											
Welder	245	179	303	0.8079	245	179	88,956	\$3,587.77	\$1,083.98											
Phoenix	13,692	5,577	14,784	0.9261	13,692	5,577	9,413,392	\$200,423.67	\$114,707.83											
Welder	12	22	25	0.4870	12	22	7,263	\$178.73	\$88.50											
Jul-11	32,797	12,085	34,953	0.9383	32,797	12,085	15,964,619	\$480,087.35	\$194,538.46	\$262,298.08	(\$26,834.87)	(\$7,040.06)	\$1,515.52	\$75,365.33	\$264.76	\$8,560.31	(\$1,674.81)	\$84,031.11	\$987,080.07	6.183
Main	18,464	6,006	19,416	0.9510	18,464	6,006	8,972,231	\$270,275.45	\$109,332.02											
Welder	319	184	368	0.8668	319	184	89,069	\$4,670.99	\$1,085.35											
Phoenix	12,989	5,068	13,942	0.9316	12,988	5,068	5,563,598	\$190,125.08	\$67,795.78											
Welder	11	20	22	0.4845	11	20	7,223	\$158.09	\$88.01											
Aug-11	31,782	11,277	33,724	0.9424	31,782	11,277	14,632,120	\$465,229.60	\$178,301.16	\$240,405.17	(\$35,471.10)	\$7,128.23	\$1,389.03	\$75,365.33	\$264.76	\$9,054.17	(\$1,415.95)	\$84,657.34	\$940,250.40	6.426
Main	16,809	4,991	17,534	0.9586	16,809	4,991	6,670,577	\$246,050.27	\$81,284.98											
Welder	306	268	407	0.7526	306	268	109,944	\$4,485.08	\$1,339.73											
Phoenix	11,652	4,259	12,406	0.9392	11,652	4,259	4,520,664	\$170,562.11	\$55,087.00											
Welder	11	22	25	0.4456	11	22	6,642	\$161.02	\$80.94											
Sep-11	28,778	9,540	30,318	0.9492	28,778	9,540	11,307,826	\$421,258.48	\$137,792.65	\$185,787.16	(\$8,134.83)	\$35,349.95	\$1,073.45	\$72,934.19	\$256.22	\$8,769.09	(\$1,154.19)	\$81,878.76	\$853,932.17	7.552
Main	11,090	2,107	11,288	0.9824	11,090	2,107	6,635,850	\$162,335.07	\$80,861.81											
Welder	328	381	503	0.6520	328	381	104,735	\$4,796.87	\$1,276.25											
Phoenix	7,575	2,040	7,845	0.9656	7,575	2,040	4,222,552	\$110,882.70	\$51,454.33											
Welder	9	36	37	0.2553	9	36	6,742	\$137.60	\$82.16											
Oct-11	19,002	4,564	19,543	0.9723	19,002	4,564	10,969,879	\$278,152.24	\$133,674.56	\$180,234.71	(\$15,192.15)	\$35,207.13	\$1,041.37	\$75,365.33	\$264.76	\$8,409.93	(\$1,207.56)	\$83,873.83	\$695,950.32	6.344
Main	11,070	1,759	11,209	0.9876	11,070	1,759	6,521,794	\$162,042.51	\$79,471.97											
Welder	387	265	469	0.8246	387	265	106,103	\$5,660.51	\$1,292.93											
Phoenix	7,143	970	7,208	0.9909	7,142	970	4,105,541	\$104,551.81	\$50,028.48											
Welder	9	30	32	0.2876	9	30	6,559	\$133.21	\$79.93											
Nov-11	18,608	3,025	18,853	0.9870	18,608	3,025	10,739,997	\$272,388.05	\$130,873.31	\$176,457.74	(\$196.54)	\$27,927.90	\$1,019.55	\$72,934.19	\$256.22	\$7,499.07	(\$1,134.92)	\$80,574.11	\$688,024.57	6.406
Main	11,527	1,645	11,644	0.9900	11,527	1,645	7,075,076	\$168,731.79	\$86,214.04											
Welder	362	208	417	0.8675	362	208	122,046	\$5,297.49	\$1,487.20											
Phoenix	7,209	813	7,255	0.9937	7,209	813	4,404,115	\$105,525.01	\$53,666.78											
Welder	9	26	28	0.3304	9	26	16,537	\$133.21	\$201.52											
Dec-11	19,107	2,691	19,296	0.9902	19,107	2,691	11,617,774	\$279,687.49	\$141,569.55	\$190,879.59	\$18,692.96	\$52,842.65	\$1,102.88	\$75,365.33	\$264.76	\$7,252.29	(\$1,237.77)	\$82,747.49	\$766,419.73	6.597

CITY OF SOUTH HAVEN
WATER FUND
CuFt COMPARISONS
ROLLING TWELVE MONTHS

		GALLONS PUMPED TO MAINS	CuFt PUMPED TO MAINS	CuFt PLANT TAP UNBILLED	CuFt WATER QUALITY FLUSHING	CuFt BILLED	PERCENTAGE BILLED PLUS PLANT TAP TO PUMPED TO MAINS (ROLLING 12 MOS)	PERCENTAGE BILLED PLUS PLANT TAP TO PUMPED TO MAINS CURRENT MONTH
FISCAL 2010								
July	2009	78,939,000	10,553,342	75,668	20,143	7,640,021	85.93%	73.11%
August	2009	72,869,000	9,741,845	68,725	10,738	9,157,899	85.95%	94.71%
September	2009	53,486,000	7,150,535	66,779	26,125	8,338,575	85.02%	117.55%
October	2009	34,137,000	4,563,770	46,215	18,305	5,202,372	85.62%	115.01%
November	2009	29,191,000	3,902,540	50,692	0	3,304,098	85.91%	85.96%
December	2009	28,613,000	3,825,267	52,385	12,411	3,223,884	85.97%	85.65%
January	2010	29,100,000	3,890,374	59,993	41,792	3,134,450	86.37%	82.11%
February	2010	26,835,000	3,587,567	58,594	97,286	2,921,327	86.54%	83.06%
March	2010	29,220,000	3,906,417	58,595	5,348	3,191,192	88.20%	83.19%
April	2010	32,761,000	4,379,813	69,897	7,888	3,372,363	89.19%	78.59%
May	2010	45,315,000	6,058,155	68,444	6,684	4,408,986	89.16%	72.78%
June	2010	47,720,000	6,379,679	71,558	0	5,802,959	89.33%	90.96%
		<u>508,186,000</u>	<u>67,939,305</u>	<u>747,545</u>	<u>246,719</u>	<u>59,698,126</u>		
FISCAL 2011								
July	2010	71,789,000	9,597,460	76,067	26,738	7,160,179	89.90%	75.40%
August	2010	70,411,000	9,413,235	79,151	17,647	8,560,179	89.47%	91.78%
September	2010	53,052,000	7,092,513	82,706	246,830	7,497,785	88.65%	106.88%
October	2010	40,104,000	5,361,497	75,128	213,904	5,242,069	87.99%	99.17%
November	2010	30,513,000	4,079,278	82,706	213,904	3,856,631	88.94%	96.57%
December	2010	34,709,000	4,640,241	76,248	213,904	3,452,281	88.54%	76.04%
January	2011	32,649,000	4,364,840	70,210	213,904	3,232,165	88.34%	75.66%
February	2011	33,847,000	4,525,000	66,376	213,904	3,209,045	87.74%	72.38%
March	2011	35,054,000	4,686,364	74,020	213,904	3,124,071	87.00%	68.24%
April	2011	30,789,000	4,116,176	76,855	213,904	2,952,560	87.03%	73.60%
May	2011	42,942,000	5,740,909	54,069	202,504	3,571,271	86.49%	62.21%
June	2011	54,884,000	7,337,433	77,139	119,736	5,758,969	85.43%	78.49%
		<u>530,743,000</u>	<u>70,954,947</u>	<u>890,676</u>	<u>2,110,782</u>	<u>57,617,205</u>		
FISCAL 2012								
July	2011	68,313,000	9,132,754	0	190,312	7,441,256	85.55%	81.48%
August	2011	59,907,000	8,008,957	103,610	244,928	7,402,180	84.90%	93.72%
September	2011	50,823,000	6,794,519	19,658	231,936	6,658,175	85.02%	98.28%
October	2011	38,457,000	5,141,310	23,888	231,936	4,862,072	85.07%	95.03%
November	2011	30,875,000	4,127,674	4,273	231,936	3,573,435	85.44%	86.68%
December	2011	30,441,000	4,069,652	17,174	231,936	3,191,493	85.57%	78.84%
January	2012	32,467,000	4,340,508	14,319	68,972	3,074,589	85.44%	71.16%
February	2012	29,495,000	3,943,182	23,262	68,972	3,219,167	85.84%	82.23%
March	2012	30,150,000	4,030,749	38,320	68,972	3,450,952	86.13%	86.57%
		<u>370,928,000</u>	<u>49,589,305</u>	<u>244,504</u>	<u>1,569,900</u>	<u>42,873,319</u>		
Prior Year-to-Date		402,128,000	53,760,428	682,612	1,574,638	45,334,405		
Two Years Prior		382,390,000	51,121,658	537,646	232,147	46,113,818		

City of South Haven
Water Fund - Fund 591
For the period ended March 31, 2012

compares
Col 6 & 7

<i>Revenues:</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Sales	\$ 206,497	\$ 232,928	\$ 192,242	\$ (26,431)	\$ 14,255	\$ 2,120,157	\$ 2,096,351	\$ 2,082,944	\$ 23,805	\$ 37,213	\$ 2,795,135	101%
Charges for Service	6,475	5,833	3,986	642	2,489	39,969	52,500	66,391	(12,531)	(26,422)	70,000	76%
Interest Income	202	208	305	(7)	(104)	1,615	1,875	2,594	(260)	(979)	2,500	86%
Special Assessment Revenue	32,194	1,417	51,607	30,777	(19,413)	77,443	12,750	74,357	64,693	3,087	17,000	607%
Other Revenue	3,623	2,500	10,650	1,123	(7,027)	25,855	22,500	41,824	3,355	(15,969)	30,000	115%
Total Revenues	\$ 248,991	\$ 242,886	\$ 258,791	\$ 6,105	\$ (9,800)	\$ 2,265,039	\$ 2,185,976	\$ 2,268,110	\$ 79,063	\$ (3,071)	\$ 2,914,635	

1 2 3 4 5 6 7 8 9 10 11

<i>Expenses:</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Operating Expenses	\$ 90,659	\$ 104,577	\$ 88,838	\$ (13,918)	\$ 1,820	\$ 882,891	\$ 941,193	\$ 1,084,645	\$ (58,302)	\$ (201,753)	\$ 1,254,924	94%
Property Tax Equivalents	7,103	7,103	6,753	0	350	63,928	63,929	60,778	(0)	3,151	85,238	100%
Capital Outlay	-	18,165	-	(18,165)	-	2,369	163,481	54,631	(161,111)	(52,262)	217,974	1%
Debt Service	32,619	5,572	28,079	27,047	4,540	66,590	50,150	36,158	16,441	30,433	66,866	133%
Transfers Out	15,888	107,301	111,800	(91,413)	(95,912)	1,483,685	965,706	848,662	517,979	635,023	1,287,608	154%
Depreciation	47,917	47,917	16,307	-	31,610	431,250	431,250	146,763	-	284,487	575,000	100%
Administrative Expenses	13,131	19,074	15,458	(5,943)	(2,327)	159,368	171,666	180,753	(12,298)	(21,386)	228,888	93%
Total Expenses	\$ 207,316	\$ 309,708	\$ 267,235	\$ (102,392)	\$ (59,919)	\$ 3,090,082	\$ 2,787,374	\$ 2,412,390	\$ 302,708	\$ 677,692	\$ 3,716,498	

Net Fund Change \$ 41,675 \$ (66,822) \$ (8,444) \$ 108,497 \$ 50,119 \$ (825,043) \$ (601,397) \$ (144,279) \$ (223,645) \$ (680,763) \$ (801,863)

\$ (226,863) no depr

City of South Haven
Sewer Fund - Fund 592
For the period ended March 31, 2012

compares
Col 6 & 7

<i>Revenues:</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Sales	\$ 153,121	\$ 181,716	\$ 145,088	\$ (28,594)	\$ 8,033	\$ 1,516,575	\$ 1,635,440	\$ 1,499,290	\$ (118,866)	\$ 17,284	\$ 2,180,587	93%
IPP Revenues	3,915	6,608	3,350	(2,693)	565	58,023	59,475	62,672	(1,452)	(4,649)	79,300	98%
Interest Income	17	625	34	(608)	(16)	3,434	5,625	2,300	(2,191)	1,134	7,500	61%
Special Assessment Revenue	37,270	1,833	68,182	35,436	(30,912)	96,930	16,500	95,795	80,430	1,135	22,000	587%
Other Revenue	150	292	10,020	(142)	(9,870)	3,154	2,625	14,207	529	(11,053)	3,500	120%
Total Revenues	\$ 194,473	\$ 191,074	\$ 226,673	\$ 3,399	\$ (32,200)	\$ 1,678,116	\$ 1,719,665	\$ 1,674,264	\$ (41,550)	\$ 3,852	\$ 2,292,887	

<i>Expenses</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Operating Expenses	\$ 157,009	\$ 110,832	\$ 104,570	\$ 46,177	\$ 52,440	\$ 910,648	\$ 997,490	\$ 889,364	\$ (86,842)	\$ 21,284	\$ 1,329,986	91%
Property Tax Equivalents	7,317	7,317	7,307	0	9	65,850	65,850	65,766	(84)	84	87,800	100%
Capital Outlay	3,813	39,882	(0)	(36,069)	3,813	10,847	358,937	46,027	(348,091)	(35,181)	478,583	3%
Transfers Out	24,302	20,542	43,219	3,760	(18,917)	540,504	184,875	215,183	355,629	325,321	246,500	292%
Depreciation	22,083	22,083	20,379	-	1,705	198,750	198,750	183,409	-	15,341	265,000	100%
Administrative Expenses	19,534	20,637	15,519	(1,104)	4,015	221,150	185,737	178,327	35,413	42,823	247,649	119%
Total Expenses	\$ 234,057	\$ 221,293	\$ 190,993	\$ 12,764	\$ 43,064	\$ 1,947,749	\$ 1,991,639	\$ 1,578,076	\$ (43,890)	\$ 369,673	\$ 2,655,518	

Net Fund Change \$ (39,584) \$ (30,219) \$ 35,680 \$ (9,365) \$ (75,264) \$ (269,633) \$ (271,973) \$ 96,188 \$ 2,340 \$ (365,821) \$ (362,631)

\$ (97,631) no depr

CITY OF SOUTH HAVEN
ELECTRIC FUND
KWH COMPARISONS
ROLLING TWELVE MONTHS

		KWH PURCHASED	KWH BILLED	KWH STREET LTS	STREET LTS 12 MO AVE.	TOTAL KWH BILLED AND STREET LTS	PERCENTAGE BILLED AND STREET LTS TO PURCHASED (ROLLING 12 MOS)	PERCENTAGE BILLED AND STREET LTS TO PURCHASED CURRENT MONTH
FISCAL 2010								
July	2009	12,389,873	12,357,337	36,659	48,993	12,393,996	96.01%	100.03%
August	2009	13,462,849	11,700,479	40,291	48,886	11,740,770	94.88%	87.21%
September	2009	11,004,137	11,863,780	46,615	48,907	11,910,395	95.21%	108.24%
October	2009	10,680,145	10,109,349	52,986	48,855	10,162,335	94.88%	95.15%
November	2009	10,212,003	8,933,607	57,051	49,015	8,990,658	94.78%	88.04%
December	2009	11,608,119	9,974,930	64,601	49,139	10,039,531	94.95%	86.49%
January	2010	11,621,521	11,465,048	59,614	49,050	11,524,662	95.50%	99.17%
February	2010	10,277,581	10,045,706	54,292	49,106	10,099,998	94.89%	98.27%
March	2010	10,530,705	9,668,123	53,233	49,185	9,721,356	94.82%	92.31%
April	2010	9,759,317	10,006,144	45,897	49,139	10,052,041	95.01%	103.00%
May	2010	11,100,098	9,158,723	42,230	49,194	9,200,953	94.39%	82.89%
June	2010	12,389,048	11,449,853	37,874	49,279	11,487,727	94.29%	92.72%
		<u>135,035,396</u>	<u>126,733,079</u>	<u>591,343</u>		<u>127,324,422</u>		
FISCAL 2011								
July	2010	16,257,328	13,438,394	37,192	49,323	13,475,586	92.44%	82.89%
August	2010	15,694,344	14,821,889	41,506	49,424	14,863,395	93.19%	94.71%
September	2010	11,066,633	12,074,098	47,613	49,507	12,121,711	93.30%	109.53%
October	2010	10,683,209	10,132,196	54,196	49,608	10,186,392	93.32%	95.35%
November	2010	10,510,315	10,391,582	61,923	50,014	10,453,505	94.15%	99.46%
December	2010	10,683,209	10,002,716	67,037	50,217	10,069,753	94.80%	94.26%
January	2011	11,953,507	11,068,303	64,924	50,660	11,133,227	94.29%	93.14%
February	2011	10,550,180	11,250,292	61,029	51,221	11,311,321	94.97%	107.21%
March	2011	11,124,090	9,519,380	57,044	51,539	9,576,424	94.47%	86.09%
April	2011	10,242,312	10,338,916	48,737	51,775	10,387,653	94.39%	101.42%
May	2011	11,028,132	9,957,130	44,762	51,986	10,001,892	95.00%	90.69%
June	2011	12,229,714	12,173,212	38,326	52,024	12,211,538	95.61%	99.85%
		<u>142,022,973</u>	<u>135,168,108</u>	<u>624,289</u>		<u>135,792,397</u>		
FISCAL 2012								
July	2011	15,964,582	12,755,514	37,013	52,009	12,792,527	95.52%	80.13%
August	2011	14,632,086	15,136,722	42,500	52,092	15,179,222	95.39%	103.74%
September	2011	11,307,801	12,319,850	47,553	52,087	12,367,403	95.97%	109.37%
October	2011	10,969,854	9,722,952	56,849	52,308	9,779,801	95.56%	89.15%
November	2011	10,739,972	10,221,480	61,585	52,280	10,283,065	95.62%	95.75%
December	2011	11,617,747	9,798,051	68,085	101,307	9,866,136	95.27%	84.92%
January	2012	11,913,417	11,146,773	65,812	52,441	11,212,585	94.76%	94.12%
February	2012	10,944,615	10,940,177	58,568	52,236	10,998,745	95.34%	100.49%
March	2012	11,050,285	10,825,582	58,568	52,363	10,884,150	95.24%	98.50%
		<u>109,140,359</u>	<u>102,867,101</u>	<u>496,533</u>		<u>103,363,634</u>		
Prior Year-to-date		108,522,815	102,698,850	492,464	451,514	103,191,314		
Two Years Prior		101,786,933	96,118,359	465,342	441,136	96,583,701		

City of South Haven
Electric Fund - Fund 582
For the period ended March 31, 2012

compares
Col 6 & 7

<i>Revenues:</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Electric Sales	\$ 1,078,131	\$ 1,130,689	\$ 1,015,374	\$ (52,558)	\$ 62,756	\$ 10,425,135	\$ 10,176,199	\$ 10,527,828	\$ 248,937	\$ (102,692)	\$ 13,568,265	102%
Charges for Service	\$ 300	\$ 8,333	\$ 4,224	\$ (8,033)	\$ (3,924)	\$ 102,758	\$ 75,000	\$ 40,877	\$ 27,758	\$ 61,881	\$ 100,000	137%
Interest Income	\$ 559	\$ 2,917	\$ 3,890	\$ (2,358)	\$ (3,331)	\$ 29,016	\$ 26,250	\$ 16,310	\$ 2,766	\$ 12,706	\$ 35,000	111%
Other Revenue	\$ 4,814	\$ 2,083	\$ 20,022	\$ 2,730	\$ (15,208)	\$ 34,380	\$ 18,750	\$ 63,544	\$ 15,630	\$ (29,164)	\$ 25,000	183%
Transfers In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenues	\$ 1,083,803	\$ 1,144,022	\$ 1,043,510	\$ (60,219)	\$ 40,292	\$ 10,591,288	\$ 10,296,199	\$ 10,648,558	\$ 295,090	\$ (57,269)	\$ 13,728,265	
	1	2	3	4	5	6	7	8	9	10	11	
<i>Expenses</i>	<i>Month Actual</i>	<i>Monthly Budget</i>	<i>Prior year MTD</i>	<i>MTD Variance to Budget</i>	<i>MTD Variance to Prior Year</i>	<i>YTD Actual</i>	<i>YTD Budget</i>	<i>Prior YTD Actual</i>	<i>Variance to Budget</i>	<i>Variance to Prior Year</i>	<i>2011-12 Adpoted Budget</i>	<i>% of Budget</i>
Purchased Power	\$ 674,611	\$ 758,333	\$ 564,186	\$ (83,722)	\$ 110,426	\$ 6,945,761	\$ 6,825,000	\$ 6,807,576	\$ 120,761	\$ 138,185	\$ 9,100,000	102%
Other Operating Expenses	\$ 220,667	\$ 143,527	\$ 217,642	\$ 77,140	\$ 3,026	\$ 1,351,332	\$ 1,291,745	\$ 1,222,978	\$ 59,587	\$ 128,353	\$ 1,722,326	105%
Property Tax Equivalents	\$ 52,312	\$ 52,312	\$ 51,167	\$ (0)	\$ 1,146	\$ 470,811	\$ 470,811	\$ 460,500	\$ 0	\$ 10,311	\$ 627,748	100%
Capital Outlay	\$ 52,123	\$ 51,213	\$ 36,747	\$ 910	\$ 15,377	\$ 266,148	\$ 460,919	\$ 63,434	\$ (194,771)	\$ 202,713	\$ 614,558	58%
Transfers Out	\$ -	\$ 87,941	\$ -	\$ (87,941)	\$ -	\$ 153,767	\$ 791,468	\$ 186,237	\$ (637,700)	\$ (32,470)	\$ 1,055,290	19%
Depreciation	\$ 40,500	\$ 40,500	\$ 39,510	\$ -	\$ 990	\$ 364,500	\$ 364,500	\$ 355,593	\$ -	\$ 8,907	\$ 486,000	100%
Administrative Expenses	\$ 68,794	\$ 70,677	\$ 50,681	\$ (1,883)	\$ 18,113	\$ 644,643	\$ 636,094	\$ 551,455	\$ 8,549	\$ 93,188	\$ 848,125	101%
Total Expenses	\$ 1,109,008	\$ 1,204,504	\$ 959,932	\$ (95,496)	\$ 149,076	\$ 10,196,962	\$ 10,840,535	\$ 10,196,049	\$ (643,574)	\$ 913	\$ 14,454,047	
 Net Fund Change	 \$ (25,206)	 \$ (60,482)	 \$ 83,578	 \$ 35,276	 \$ (108,784)	 \$ 394,327	 \$ (544,337)	 \$ 452,509	 \$ 938,663	 \$ (58,182)	 \$ (725,782)	

**City of South Haven
Water Plant Projects
Monthly Status Report**

Report 43

**April 19, 2012
Project No. G07734ED**

ftc&h

**Fishbeck, Thompson, Carr & Huber
engineers • scientists • architects • constructors**

**CITY OF SOUTH HAVEN
WATER PLANT PROJECTS
MONTHLY PROGRESS REPORT NO. 43**

**PREPARED FOR:
THE CITY OF SOUTH HAVEN, MICHIGAN**

**APRIL 19, 2012
PROJECT NO. G07734ED**

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LIST OF APPENDICES

Schedule

LIST OF ABBREVIATIONS/ACRONYMS

FTC&H	Fishbeck, Thompson, Carr & Huber, Inc.
City	City of South Haven
RWPS	Raw Water Pump Station
Floc/sed	Flocculation and sedimentation
WFP	Water Filtration Plant
MCC	Motor Control Center
HVAC	Heating, ventilating, and air conditioning
MDNRE	Michigan Department of Natural Resources and Environment
SCADA	Supervisory Control and Data Acquisition
VCT	Vinyl Composite Tile
VFD	Variable Frequency Drive

April 19, 2012
Project No. G07734WP

Mr. Roger Huff, P.E.
City of South Haven
1199 8th Avenue
South Haven, MI 49090

RE: Water Filtration Plant
Monthly Status Report

Dear Mr. Huff:

This is our Monthly Status Report No. 43 for the period ending April 13, 2012. This report contains a summary of work performed up to that date.

If you have any questions or require additional information, please call 616-464-3892.

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.



Randall J. Oostdyk
Senior Construction Manager

sdg
Enclosures
cc: Mr. Chad R. Everts, LEED® AP – FTC&H

WORK COMPLETED DURING THE CURRENT REPORTING PERIOD

- Complete gravel grading of parking lot.
- Pour concrete curbs in parking lot.
- Pour sidewalk and dumpster pad at bottom of stairway.
- Pour sidewalks for beach improvements.
- Pour concrete light pole bases in parking lot.

WORK IN PROGRESS DURING THE CURRENT REPORTING PERIOD

- Pour concrete light pole bases along Water Street
- Build electrical service.
- Construction of dumpster enclosure near bottom of stairs.

WORK ANTICIPATED FOR THE NEXT REPORTING PERIOD

- Complete construction of dumpster enclosure.
- Finish grading and landscaping at stairway.
- Installation of precast concrete retaining wall, serpentine wall, and ship's bow picnic areas.
- Installation of miscellaneous fixtures: bike racks, trash cans, picnic tables, etc.
- Construction of new playground equipment.
- Installation of landscaping trees and plantings.
- Installation of decorative fence/gate.
- Installation of light poles.
- Installation of new pay parking terminals.
- Final grading and cleanup.
- Asphalt paving of parking lot (currently scheduled for week of May 7).
- Parking lot striping and signage.
- Removal of construction barricades.
- Re-opening of South Beach parking lot to public.

CHANGES IN SCOPE IDENTIFIED DURING THE PERIOD

- Bulletin 1 for the South Beach Improvements project was approved by the City. A change order was prepared and the City has signed it.
- The City signed Change Order 14 for the WFP project.

ISSUES IMPACTING COST AND SCHEDULE

- The City has requested additional asphalt paving in the South Beach Improvements project.

SOUTH HAVEN SWITCHGEAR BUILDING (PROJECT COMPLETE)

Construction Cost Summary

Original Base Bid Total	\$1,322,285.97
Change Order 1 (50/50 split of costs for items missed by Compton, Inc.)	4,587.50
Change Order 2 (Transfer unused General Conditions to the water filtration plant project)	(88,769.95)
Total as of April 19, 2012	\$1,238,103.52

SOUTH HAVEN FOUNDATION DEMOLITION (PROJECT COMPLETE)

Construction Cost Summary

Original Base Bid Total	\$561,968.00
Change Order 1 (Cost for change in earth retention wall type)	46,267.20
Change Order 2 (Cost for asbestos removal and balancing of coal ash removal)	13,289.39
Change Order 3 (Transfer unused General Conditions to the water filtration project)	(98,312.67)
Total as of April 19, 2012	\$523,211.92

SOUTH HAVEN WATER FILTRATION PLANT COST SUMMARY

Original Base Bid Total	\$15,029,734.29
Change Order 1 (Bulletin 3, additional traffic control, balance of crane bid)	25,216.03
Change Order 2 (Bulletins 4 and 5)	20,128.96
Change Order 3 (Transfer from previous projects)	187,082.62
Change Order No. 4 (Bulletin No. 6, paint change, and added signage)	3,367.24
Change Order 5 (Bulletin 7)	15,603.62
Change Order 6 (miscellaneous plumbing and buried concrete)	33,016.17
Change Order 7 (Bulletin 8, pipe re-routing)	45,448.32
Change Order 8 (Miscellaneous Painting/Earthwork/Framing)	11,890.44
Change Order 9 (Bulletin 9)	60,115,.99
Change Order 10 (Miscellaneous Electrical, Compton Work)	45,492.43
Change Order 11 (Miscellaneous Items)	10,639.93
Change Order 12 (Stair Replacement)	125,370.00
Change Order 13 (excess concrete removal at stairs)	3,945.00
Change Order 14 (basket strainers at RPZs – 2 total)	4,189.70
Total as of April 19, 2012	\$15,621,240.74

SOUTH HAVEN WATER FILTRATION PLANT DEMOLITION

Construction Cost Summary

Original Base Bid Total	\$287,135.74
Change Order 1 (extra flowable fill)	1,350.88
Total as of April 19, 2012	\$288,486.62

TOTAL PROJECT CONTINGENCY SUMMARY

Beginning Contingency Amount	\$767,636.00
Switch Gear Building Change Order 1	(4,587.50)
Foundation Demolition Change Order 1	(46,267.20)
Foundation Demolition Change Order 2	(13,289.39)
Water Filtration Plant Change Order 1	(25,216.03)
Water Filtration Plant Change Order 2	(20,128.96)
Water Filtration Plant Change Order 4	(3,367.24)
Water Filtration Plant Change Order 5	(15,603.62)
Water Filtration Plant Change Order 6	(33,016.17)
Water Filtration Plant Change Order 7	(45,448.32)
Water Filtration Plant Change Order 8	(11,890.44)
Water Filtration Plant Change Order 9	(60,115.99)
Water Filtration Plant Change Order 10	(45,492.43)
Balance of Plant Demolition Estimate	242,550.00
Water Filtration Plant Change Order 11	(10,639.93)
Water Filtration Plant Change Order 12	(125,370.00)
Water Filtration Plant Change Order 13	(3,945.00)
Existing Plant Demolition Change Order 1	(1,350.00)
Water Filtration Plant Change Order 14	(4,189.70)
Remaining Contingency as of April 19, 2012	\$540,267.20

Project Billing Summary
Water Filtration Plant
Application 35

Project Name	Project Number	Original Value	Changes	Current Value	Requested To Date	Remaining Balance	Percentage Invoiced
South Haven/Switchgear	G07734DB	\$1,322,285.97	(\$84,182.45)	\$1,238,103.52	\$1,238,103.52	\$0.00	100%
South Haven/Foundation Removal	G07734FD	\$561,968.00	(\$38,756.08)	\$523,211.92	\$523,211.92	\$0.00	100%
South Haven/Water Filtration	G07734WP	\$15,029,734.29	\$591,506.45	\$15,621,240.74	\$15,554,124.24	\$67,116.50	99.6%
South Haven/Existing Plant Demo	G07734ED	\$287,135.74	\$ 1,350.88	\$288,486.62	\$242,603.12	\$45,883.50	84.5%
South Haven/Engineering	G07734CD,CA,PD	\$1,394,250.00	\$4,313.58	\$1,398,563.58	\$ 1,324,249.35	\$74,314.23	94.7%
Original Contingency		\$1,010,186.00	(\$469,918.80)	\$540,267.20		\$540,267.20	
Items not yet bid							
Allowance - Marine Boring	G07734A	\$100,000.00		\$100,000.00	\$98,086.50	\$1,913.50	98.1%
Total Project Budget		\$19,705,560.00	\$4,313.58	\$19,709,873.58	\$18,980,378.65	\$729,494.93	96.3%

PHOTOGRAPHS



Bollards at Dumpster Enclosure



Sidewalk at West Side of New Parking Lot



Graffiti in Freshly Poured Sidewalk



Looking West at New Parking Lot Area



Looking South at New Parking Lot Area



Graffiti in Freshly Poured Curb

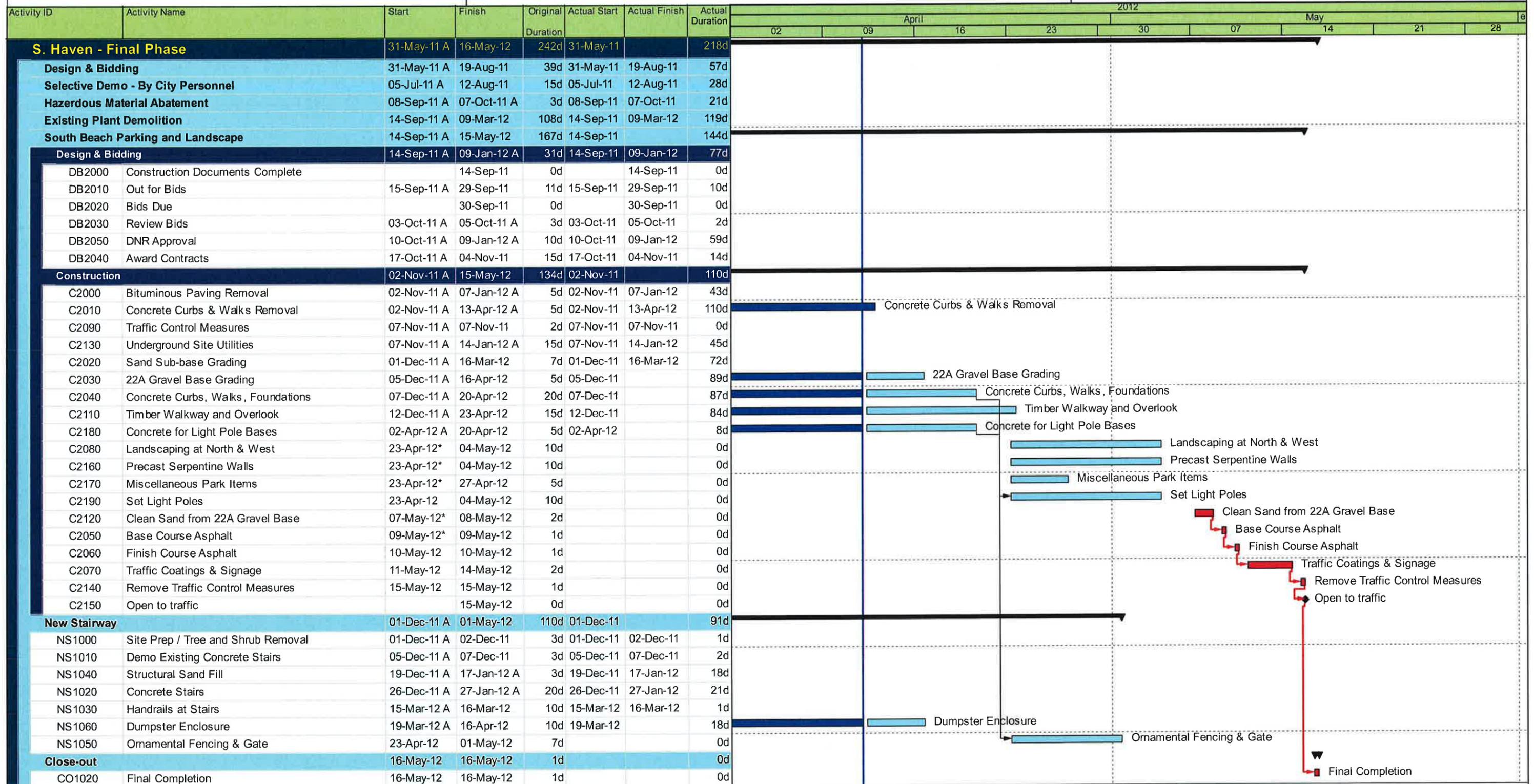


Placing Concrete for Sidewalk



Boring for Conduit Runs for Site Lighting

SCHEDULE



Actual Work
 Remaining Work
 Critical Remaining Work

Milestone
 Summary

Date	Revision	Checked	Approved
21-Feb-12	Updated for Monthly Report on 2/21/12	X	RJO
21-Mar-12	Updated for Monthly Report on 3/21/12	X	RJO
12-Apr-12	Updated for Monthly Report on 4/12/12	X	RJO

MEMORANDUM

DATE: April 9, 2012

TO: Brian Dissette, City of South Haven
Roger Huff, City of South Haven

FROM: Christopher J. Cook, PE

CC: Timothy R. Drews, P.E., PTOE, Abonmarche
Tony McGhee, Abonmarche
Daniel A. Dombos, PE, Abonmarche

RE: **City of South Haven – Sewer Study Progress Report**

The following will summarize our progress to-date on the City of South Haven Sewer Study:

UTILITY MAPPING

This task has entailed compiling City record drawings, maps and field data into a comprehensive sanitary sewer system map with defined sewer districts. We have converted city GIS information into AutoCAD for presentation, modeling, field investigation and study purposes. Progress to-date has been good, and we estimate that we are 95% complete with this task. We have been using the map to determine the best general locations for field investigation and metering through discussions with City staff.

Upcoming work for this task will include finalizing the map with the information that we have available. Final completion is not expected until after field work is complete but the maps are available for use in their current state at this time.

FIELD INVESTIGATION AND DATA REVIEW

This task includes further investigation of locations that did not have adequate information available in the mapping task. This task has begun and we estimate that we are approximately 40% complete. Field investigations have been completed to determine the specific locations of meters to be deployed in the field.



Upcoming work for this task will include further investigation and data collection as issues arise.

COMPUTER MODELING AND FLOW MONITORING

This task includes establishing flow meters at strategic locations in the system to be used for calibration of the sewer model, and computer modeling of the sewer system to identify Infiltration/Inflow and cost effective solutions. As the mapping exercise has progressed, we have been able to better determine the optimal locations for flow monitoring. Eleven (11) key locations have been determined for the monitoring exercise in addition to monitoring flow meters at each lift station. Seven (7) meters have been deployed at this time and we are getting preliminary results from them. The remaining meters are expected to be placed in two months. We are also ready to implement the installation of six (6) additional meters at the input points from the Townships in order to assess their impact on the City's system.

Upcoming work includes installation of the next round of flow monitors and monitoring ongoing throughout the study. At this time, we are roughly 33% complete with this task.

SMOKE TESTING

No progress to date as this work will be determined following the flow monitoring. We expect to commence with smoke testing in select locations in May.

SEWER TELEVISION

No progress to date as this work will be determined based upon the flow monitoring and smoke testing.

SRF PROJECT PLAN

We have commenced with the preliminary front end work in the report and are roughly 5% complete with this task.



City of South Haven

Agenda Item # 10

Unresolved Issues

New items shown in **bold** text.

Completed items shown with single ~~strike through~~ text for one meeting, then double ~~strike through~~ text for the next meeting, then removed from the list.

PROJECTS

- ~~• 76th Street Lift Station – Olson asked for a discussion on the Deerlick pump station. He said he thought it was supposed to be on the agenda until it was resolved. Halberstadt said we've been working on several alternate funding sources for solving the 76th Street pump station issue. Olson asked what happened to the person/company that engineered the system and whoever provided the pump system. Halberstadt said the person who engineered it is dead.~~

~~Stickland noted that the problem is that the force main is too small. Halberstadt said the township has been looking at replacing the force main, and looking at two different options. There would be some cost savings with one way, but before we can allow them to do that, we need to finish the upgrade of the Indian Grove lift station. We have packaged the whole thing together and applied for a grant. Olson said so this has just gone away.~~

~~Stein said we are working on it; we have spent a lot of time and effort in trying to fix this problem. It has not gone away. He noted that Halberstadt has put a lot of time and effort into solving this problem. Olson said he was interested in going after the people who originally designed it. Halberstadt said we could probably talk to the pump supplier. It was noted that the pump supplier was given inaccurate information in the beginning so he supplied the wrong pumps. Halberstadt said we've been working on the Indian Grove project and we'd like to dovetail the two projects, as there will be some cost savings to the township. He noted that the city is willing to let them go up Monroe Boulevard, but we're trying to get the Indian Grove project done first.~~

~~Burr asked if the force main you are talking about is on Kalamazoo. Halberstadt said there are two separate pump stations and two separate pieces of force main. One of them is 12th to M-140. Stickland said the manufacturer will do what he can, the township is looking for the cheapest way out, and the city is saying we have to fix Indian Grove first. Halberstadt reiterated that staff hasn't forgotten it.~~

~~04/22/10 — United States Department of Agriculture (USDA) grant application package, which includes the Indian Grove Lift Station project, is being assembled for signature and submittal to USDA.~~

~~8/24/10 — USDA grant application package has been submitted. Preliminary indications are that this could result in low interest loans. Staff is working with a consultant to pursue other grant funding.~~

~~9/27/10 — The consultant (Abonmarche) has prepared the grant application and a meeting with MEDC is being scheduled. Funding options are being considered.~~

~~11/29/10 — Sewer basis of design is being prepared by staff.~~

~~10/31/11 — Abonmarche has prepared an application for S2 grant funding. The State has indicated that South Haven will be receiving \$360,000 in grant funding to perform a comprehensive sewer system analysis. The final program announcement will not be made until January 2012. Upon completion of the study in 2013, the City will be able to apply for State Revolving Fund (SRF) low interest loans from the State of Michigan. These loans will be utilized to fund the 76th St lift station project, Indian Grove Infrastructure project, and other projects identified by the S2 study. Construction of improvements in Kalamazoo Street may begin next year at the outlet end of the sewer district, pending availability of local funding. Typically, local funding is available to reconstruct 3-4 blocks of street per year. Staff and Abonmarche have begun the process of collecting existing data on the sewer system and reviewing old Sewer System Evaluation Study (SSES) reports on file. A copy of the S2 Grant Press Release and the Abonmarche Engineering Services Agreement are attached. The Engineering Services Agreement outlines the tasks to be performed and the schedule for study completion. Monthly progress report provided under agenda item 9. A.~~

ACTION ITEMS

- 6/2/10 – Security light costs (material, labor, O & M). File located, under review.
- 5/23/11 – Welder transformer. Addressed under agenda item 11 at the July meeting. GRP Engineering has been requested to perform an analysis of the cost of the “no load losses” associated with these transformers, and to evaluate alternatives. City staff has compiled data and forwarded to GRP. GRP is proceeding with the analysis.
- ~~11/28/11 — Year-End Audit. Addressed under agenda item 7. F. at the February 27, 2012 meeting.~~
- 2/27/12 – October 31, 2011 meeting requested staff pursue possible contract language change not limiting liability to the amount of the contractor’s insurance; and remove statement that the contractor is not liable for making sure the sub-contractors do the work properly.
- **3/26/12 – Stickland requested that staff provide the utility policy concerning tampering fees for review at the next meeting. Addressed under agenda item 15 at the April 30, 2012 meeting.**
- **2/26/12 - Stickland requested that staff provide a list of the AEP contacts attempted during the March 7, 2012 outages.**

City of South Haven, MI



Electric Outage Report 1st Quarter 2012

General Information				Cause		Time & Duration				Customers	
#	Date	S/U	Address/Location	Description	#	Ints	T off	T on	Mins	# Out	Cust Min
1	1/3/2012	U	14903 72nd St	Bad connector	10	1	1/3/12 12:45 PM	1/3/12 2:10 PM	85	1	85
2	1/3/2012	U	14th Ave & Blue Star Mem Mem Hwy	Bad line fuse cut out	10	1	1/3/12 7:40 PM	1/3/12 11:45 PM	245	156	38220
3	1/4/2012	U	105 Monroe St	Change fuse, squirrel	4	1	1/4/12 12:30 PM	1/4/12 1:45 PM	75	11	825
4	1/4/2012	U	16393 76th St	Bad transformer	10	1	1/4/12 7:10 PM	1/4/12 11:15 PM	245	4	980
5	1/5/2012	U	19350 M-140	Bad connector	10	1	1/5/12 10:10 AM	1/5/12 11:55 AM	105	1	105
6	1/7/2012	U	427 Michigan Ave	Bad fuse	10	1	1/7/12 10:40 AM	1/7/12 2:50 PM	250	12	3000
7	1/11/2012	U	220 Broadway St	Bad connector	10	1	1/11/12 9:20 AM	1/11/12 11:10 AM	110	1	110
8	1/12/2012	U	410 Fruit St	Bad connector	10	1	1/12/12 3:05 PM	1/12/12 5:20 PM	135	1	135
9	1/16/2012	U	77440 20th Ave	Bad fuse	10	1	1/16/12 2:15 PM	1/16/12 5:00 PM	165	14	2310
10	1/23/2012	U	00722 67th St	Line fuse - Bad Arrestors	10	1	1/23/12 5:50 AM	1/23/12 8:10 AM	140	73	10220
11	1/23/2012	U	15575 77th St	2 bad fuses on bank	10	1	1/23/12 10:05 AM	1/23/12 3:15 PM	310	3	930
12	1/24/2012	U	73020 CR 380	Bad underground	2	1	1/24/12 1:35 PM	1/24/12 5:10 PM	215	1	215
13	1/25/2012	U	11119 M-140	Bad connector	10	1	1/25/12 11:05 AM	1/25/12 2:10 PM	185	1	185
14	1/26/2012	U	77720 Jackson Blvd	Bad connector	10	1	1/26/12 2:50 PM	1/26/12 4:45 PM	115	1	115
15	1/29/2012	U	CR 388 & 70th St	Broken pole - car accident	7	1	1/29/12 1:35 PM	1/29/12 5:30 PM	235	9	2115

Total Customers this Month	8,026	Days of Month
Total Customer Minutes this Month	358,280,640	31

Outage Totals			
		This Month	This Month Last Year
Unscheduled Outages			
Long	# Outages	15	0
	# Customers Out	289	93
	# Minutes Out	2,615	1500
	# Customer Minutes Out	59,550	18975
	# Within City System	15	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Scheduled Outages			
Long	# Outages	0	0
	# Customers Out	0	0
	# Minutes Out	0	0
	# Customer Minutes Out	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Totals			
Total Long Outages		15	0
Total Short Outages (Blinks)		0	0
Total Customers Out (Long)		289	93
Total Customers Affected (Short- Blinks)		0	0
Total Customer Minutes Out		59,550	18975
Total Outages Within City System		15	0
Total Outages in Supply to City		0	0

Number of Outages (by Cause)					
Cause #	Description	Total This Month	This Month Last Year	Rolling AT	% AT
0	Electric Supply Disruption to City	0	0	0	0%
1	Fallen Line / Rotted Pole	0	0	15	5%
2	Bad U/G Cable	1	1	13	4%
3	Lightning	0	0	21	7%
4	Animal Contact	1	1	40	13%
5	Tree Contact	0	0	92	29%
6	Contamination / Foreign Debris	0	0	0	0%
7	Human	1	1	15	5%
8	Other	0	0	0	0%
9	Undetermined	0	0	1	0%
10	Failed Device	12	7	118	37%
	Total	15	10	315	

12 Month Outage Statistics		
Index	As of This Month	As of This Month Last Year
ASAI (%)	99.9542	99.9529
CAIDI (Long) (min)	223.63	234.69
SAIDI (Long) (min)	20.05	20.64
SAIFI (Long) (ints/tot cust)	0.09	0.09
SAIFI (Short) (ints/tot cust)	0.00	0.00

- ASAI - Average Service Availability Index
(customer minutes available/total customer minutes, as a %)
- CAIDI - Customer Average Interruption Duration Index
(average minutes interrupted per interrupted customer)
- SAIDI - System Average Interruption Duration Index
(average minutes interrupted per customer for all customers)
- SAIFI (Long) - System Average Interruption Frequency Index
(# of long interruptions per customer for all customers)
- SAIFI (Short) - System Average Interruption Frequency Index
(# of short interruptions per customer for all customers)

General Information				Cause		Time & Duration				Customers	
#	Date	S/U	Address/Location	Description	#	Ints	T off	T on	Mins	# Out	Cust Min
1	2/2/2012	U	75416 CR 380	Bad connector	10	1	2/2/12 2:40 PM	2/2/12 4:00 PM	80	1	80
2	2/3/2012	U	15340 76th St	Down secondary line - tree	5	1	2/3/12 1:50 PM	2/3/12 5:30 PM	220	11	2420
3	2/8/2012	U	1098 Monroe Blvd	Bad connector	10	1	2/8/12 8:35 AM	2/8/12 10:30 AM	115	1	115
4	2/10/2012	U	72133 CR 388	Primary line down - hit by trailer	7	1	2/10/12 7:20 PM	2/11/12 12:30 AM	310	46	14260
5	2/14/2012	U	7440 Eaton Dr	Bad fuse	10	1	2/14/12 9:40 AM	2/14/12 2:10 PM	270	16	4320
6	2/22/2012	U	77137 Marwood Dr	Bad connector	10	1					
7	2/23/2012	U	72405 6th Ave	Down service - tree limb	5	1	2/23/12 12:45 PM	2/23/12 4:10 PM	205	1	205
8	2/28/2012	U	713 North Shore Dr	Bad connector	10	1					

S/U - Scheduled or Unscheduled

Ints - # of Interruptions

Long - >1 min; Short - <1 min

Cause # - see table on page 3

Total Customers this Month	8,046	Days of Month
Total Customer Minutes this Month	336,000,960	29

Outage Totals			
		This Month	This Month Last Year
Unscheduled Outages			
Long	# Outages	8	0
	# Customers Out	76	274
	# Minutes Out	1,200	1635
	# Customer Minutes Out	21,400	27885
	# Within City System	8	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Scheduled Outages			
Long	# Outages	0	0
	# Customers Out	0	0
	# Minutes Out	0	0
	# Customer Minutes Out	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Totals			
	Total Long Outages	8	0
	Total Short Outages (Blinks)	0	0
	Total Customers Out (Long)	76	274
	Total Customers Affected (Short- Blinks)	0	0
	Total Customer Minutes Out	21,400	27885
	Total Outages Within City System	8	0
	Total Outages in Supply to City	0	0

Number of Outages (by Cause)					
Cause #	Description	Total This Month	This Month Last Year	Rolling AT	% AT
0	Electric Supply Disruption to City	0	0	0	0%
1	Fallen Line / Rotted Pole	0	1	14	4%
2	Bad U/G Cable	0	0	13	4%
3	Lightning	0	0	21	7%
4	Animal Contact	0	3	37	12%
5	Tree Contact	2	1	93	30%
6	Contamination / Foreign Debris	0	0	0	0%
7	Human	1	0	16	5%
8	Other	0	0	0	0%
9	Undetermined	0	0	1	0%
10	Failed Device	5	6	117	38%
	Total	8	11	312	

12 Month Outage Statistics		
Index	As of This Month	As of This Month Last Year
ASAI (%)	99.9546	99.9524
CAIDI (Long) (min)	228.09	230.96
SAIDI (Long) (min)	19.93	20.83
SAIFI (Long) (ints/tot cust)	0.09	0.09
SAIFI (Short) (ints/tot cust)	0.00	0.00

- ASAI - Average Service Availability Index
(customer minutes available/total customer minutes, as a %)
- CAIDI - Customer Average Interruption Duration Index
(average minutes interrupted per interrupted customer)
- SAIDI - System Average Interruption Duration Index
(average minutes interrupted per customer for all customers)
- SAIFI (Long) - System Average Interruption Frequency Index
(# of long interruptions per customer for all customers)
- SAIFI (Short) - System Average Interruption Frequency Index
(# of short interruptions per customer for all customers)

S/U - Scheduled or Unscheduled
 Ints - # of Interruptions
 Long - >1 min; Short - <1 min
 Cause # - see table on page 3

General Information				Cause		Time & Duration				Customers	
#	Date	S/U	Address/Location	Description	#	Ints	T off	T on	Mins	# Out	Cust Min
1	3/1/2012	U	09379 Blue Star Mem Hwy	Bad connector	10	1	3/1/12 2:45 PM	3/1/12 4:20 PM	95	1	95
2	3/1/2012	U	925 Bailey Ave	Bad connector	10	1	3/1/12 5:20 PM	3/1/12 6:45 PM	85	1	85
3	3/12/2012	U	273 Park Ave	Bad underground service, Fence company	7	1	3/2/12 5:45 AM	3/2/12 1:00 PM	435	1	435
4	3/3/2012	U	361 Bailey Ave	down service tree limb	5	1	3/3/12 5:10 PM	3/3/12 6:50 PM	100	1	100
5	3/8/2012	U	811 Phoenix St	Bad connector	10	1	3/8/12 8:50 AM	3/8/12 11:10 AM	140	1	140
6	3/8/2012	U	7366 North Shore Dr N	Secondary line down trees	5	1	3/8/12 2:15 PM	3/8/12 4:20 PM	125	11	1375
7	3/8/2012	U	41 Beaver Ct	Secondary line down trees	5	1	3/8/12 3:10 PM	3/8/12 5:05 PM	115	16	1840
8	3/8/2012	U	01694 71.5St	Bad connector	10	1	3/8/12 7:55 PM	3/8/12 9:35 PM	100	1	100
9	3/9/2012	U	1045 Kalamazoo St	Bad fuse jumper	10	1	3/9/12 6:20 PM	3/9/12 9:10 PM	170	21	3570
10	3/11/2012	U	7317 North Shore Dr N	Line fuse - tree limb	5	1	3/11/12 9:10 AM	3/11/12 11:05 AM	115	34	3910
11	3/12/2012	U	7350 North Shore Dr N	Line fuse - tree limbs	5	1	3/12/12 2:35 PM	3/12/12 4:05 PM	90	64	5760
12	3/14/2012	U	322 Van Buren St	Bad connector	10	1	3/14/12 10:55 AM	3/14/12 11:55 AM	60	1	60
13	3/17/2012	U	359 Broadway St	change fuses - squirrel	4	1	3/17/12 9:10 AM	3/17/12 10:45 AM	95	1	95
14	3/18/2012	U	33 N Bailey Ave	Bad connector	10	1	3/18/12 12:20 PM	3/18/12 3:30 PM	190	4	760
15	3/19/2012	U	75641 16th Ave	Bad connector	10	1	3/19/12 4:10 PM	3/19/12 6:05 PM	115	1	115
16	3/22/2012	U	06333 Springhill Ln	Change fuse - squirrel	4	1	3/22/12 6:05 AM	3/22/12 7:45 AM	100	12	1200
17	3/24/2012	U	20880 Blue Star Mem Hwy	Pole fire - tree limb	5	1	3/24/12 4:50 PM	3/24/12 9:05 PM	255	26	6630
18	3/25/2012	U	555 Dyckman Ave	Bad fuse	10	1	3/25/12 12:30 AM	3/25/12 7:10 AM	400	17	6800
19	3/29/2012	U	09642 73rd St	Bad connector	10	1	3/29/12 2:40 PM	3/29/12 5:30 PM	170	1	170
20	3/30/2012	U	636 Erie Sr	Bad connector	10	1	3/30/12 1:40 PM	3/30/12 3:30 PM	110	1	110
21	3/30/2012	U	73561 Chambers St	Bad Breaker	10	1	3/30/12 8:50 PM	3/30/12 10:10 PM	80	1	80

S/U - Scheduled or Unscheduled

Ints - # of Interruptions

Long - >1 min; Short - <1 min

Cause # - see table on page 3

Total Customers this Month	8,030	Days of Month
Total Customer Minutes this Month	358,459,200	31

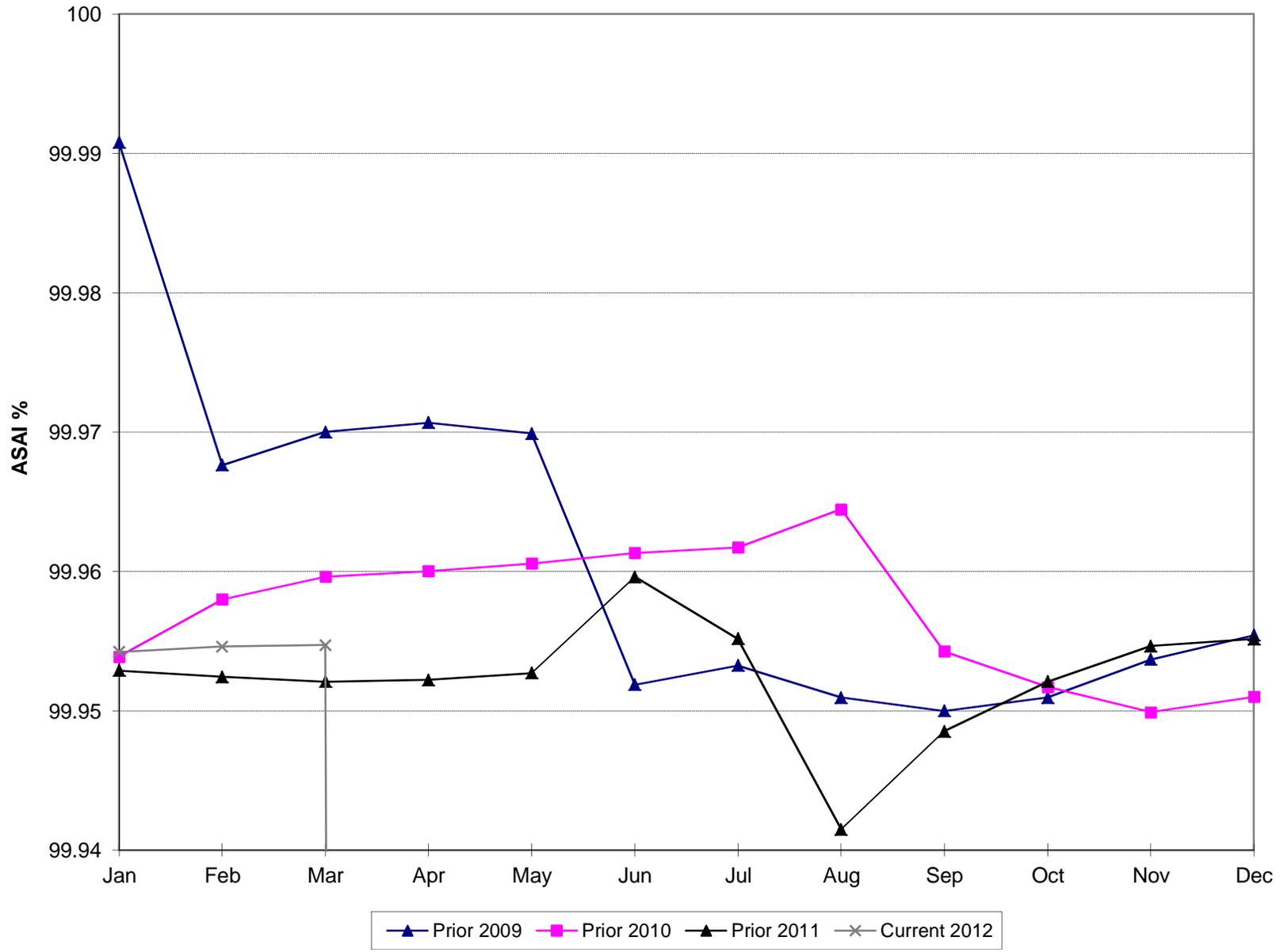
Outage Totals			
		This Month	This Month Last Year
Unscheduled Outages			
Long	# Outages	21	0
	# Customers Out	217	179
	# Minutes Out	3,145	2141
	# Customer Minutes Out	33,430	37477
	# Within City System	21	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Scheduled Outages			
Long	# Outages	0	0
	# Customers Out	0	0
	# Minutes Out	0	0
	# Customer Minutes Out	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Short	# Outages (Blinks)	0	0
	# Customers Affected	0	0
	# Within City System	0	0
	# Supply to City Minutes	0	0
Totals			
	Total Long Outages	21	0
	Total Short Outages (Blinks)	0	0
	Total Customers Out (Long)	217	179
	Total Customers Affected (Short- Blinks)	0	0
	Total Customer Minutes Out	33,430	37477
	Total Outages Within City System	21	0
	Total Outages in Supply to City	0	0

Number of Outages (by Cause)					
Cause #	Description	Total This Month	This Month Last Year	Rolling AT	% AT
0	Electric Supply Disruption to City	0	0	0	0%
1	Fallen Line / Rotted Pole	0	1	13	4%
2	Bad U/G Cable	0	1	12	4%
3	Lightning	0	0	21	7%
4	Animal Contact	2	3	36	11%
5	Tree Contact	6	1	98	31%
6	Contamination / Foreign Debris	0	0	0	0%
7	Human	1	0	17	5%
8	Other	0	0	0	0%
9	Undetermined	0	0	1	0%
10	Failed Device	12	8	121	38%
	Total	21	14	319	

12 Month Outage Statistics		
Index	As of This Month	As of This Month Last Year
ASAI (%)	99.9547	99.9521
CAIDI (Long) (min)	226.60	231.78
SAIDI (Long) (min)	19.89	20.99
SAIFI (Long) (ints/tot cust)	0.09	0.09
SAIFI (Short) (ints/tot cust)	0.00	0.00

- ASAI - Average Service Availability Index
(customer minutes available/total customer minutes, as a %)
- CAIDI - Customer Average Interruption Duration Index
(average minutes interrupted per interrupted customer)
- SAIDI - System Average Interruption Duration Index
(average minutes interrupted per customer for all customers)
- SAIFI (Long) - System Average Interruption Frequency Index
(# of long interruptions per customer for all customers)
- SAIFI (Short) - System Average Interruption Frequency Index
(# of short interruptions per customer for all customers)

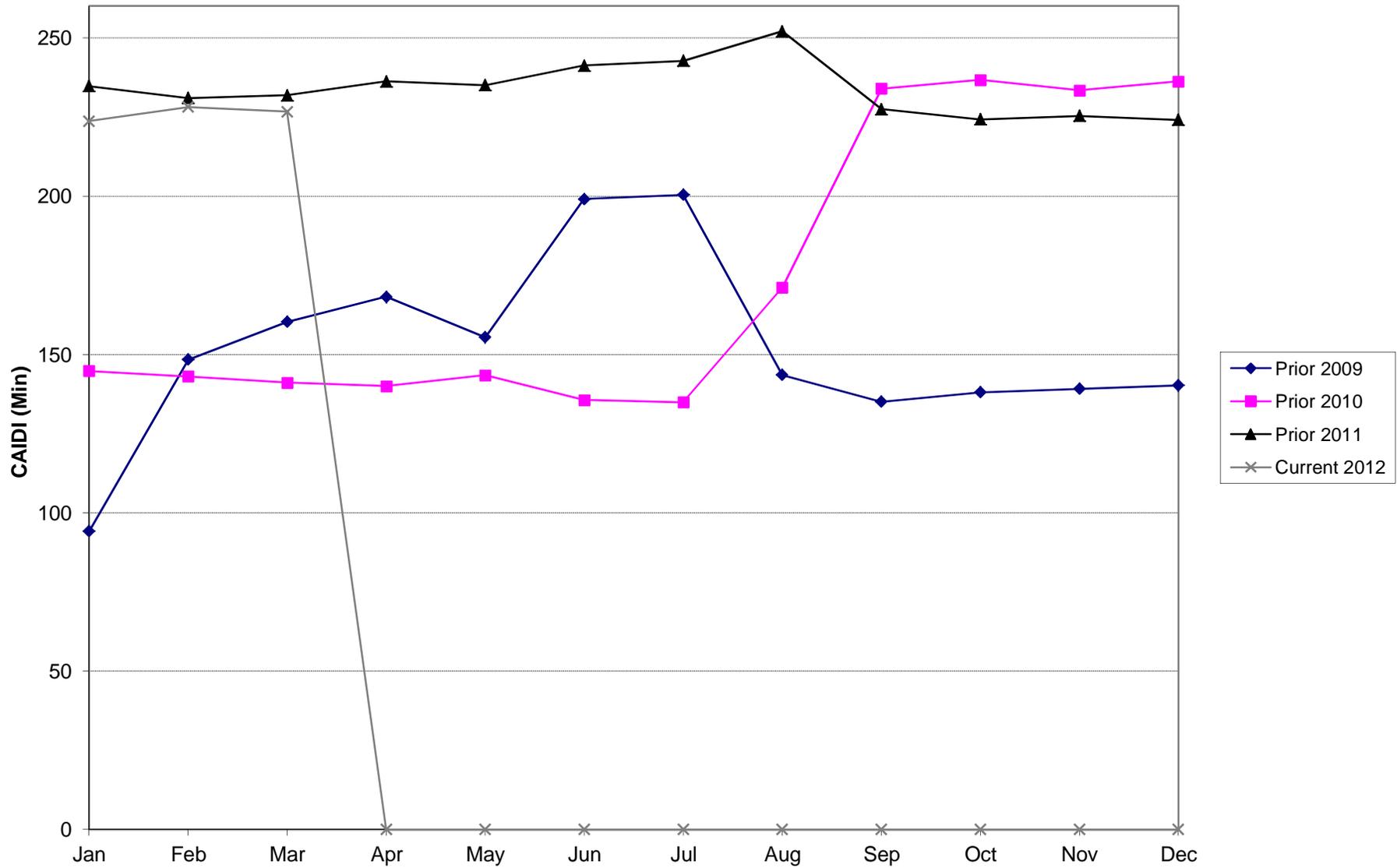
S/U - Scheduled or Unscheduled
 Ints - # of Interruptions
 Long - >1 min; Short - <1 min
 Cause # - see table on page 3



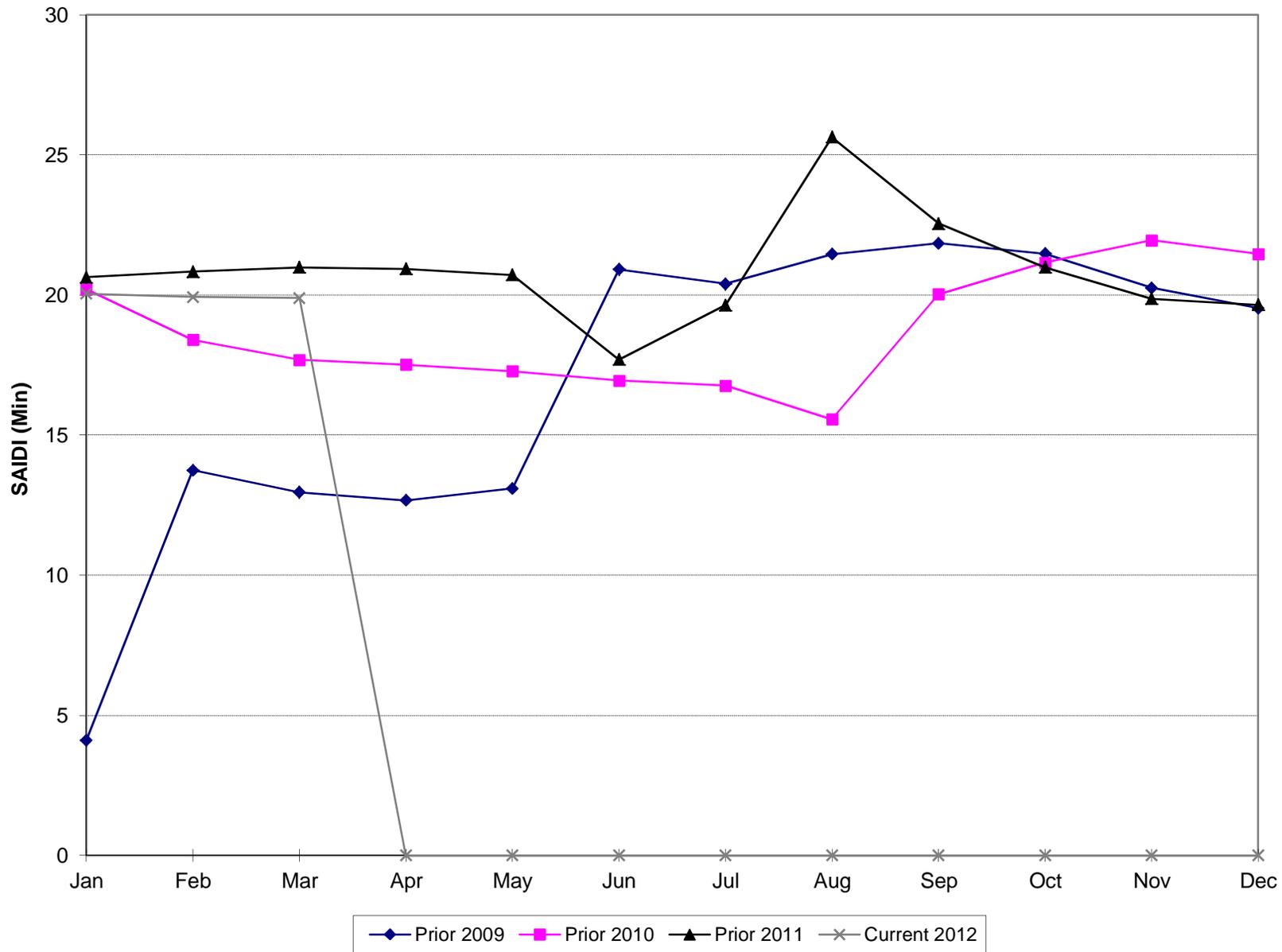
The ratio of the total customer minutes that service was available divided by the total customer minutes demanded (expected) in a time period. It is expressed as a percent.

CAIDI (Customer Average Interruption Duration Index)

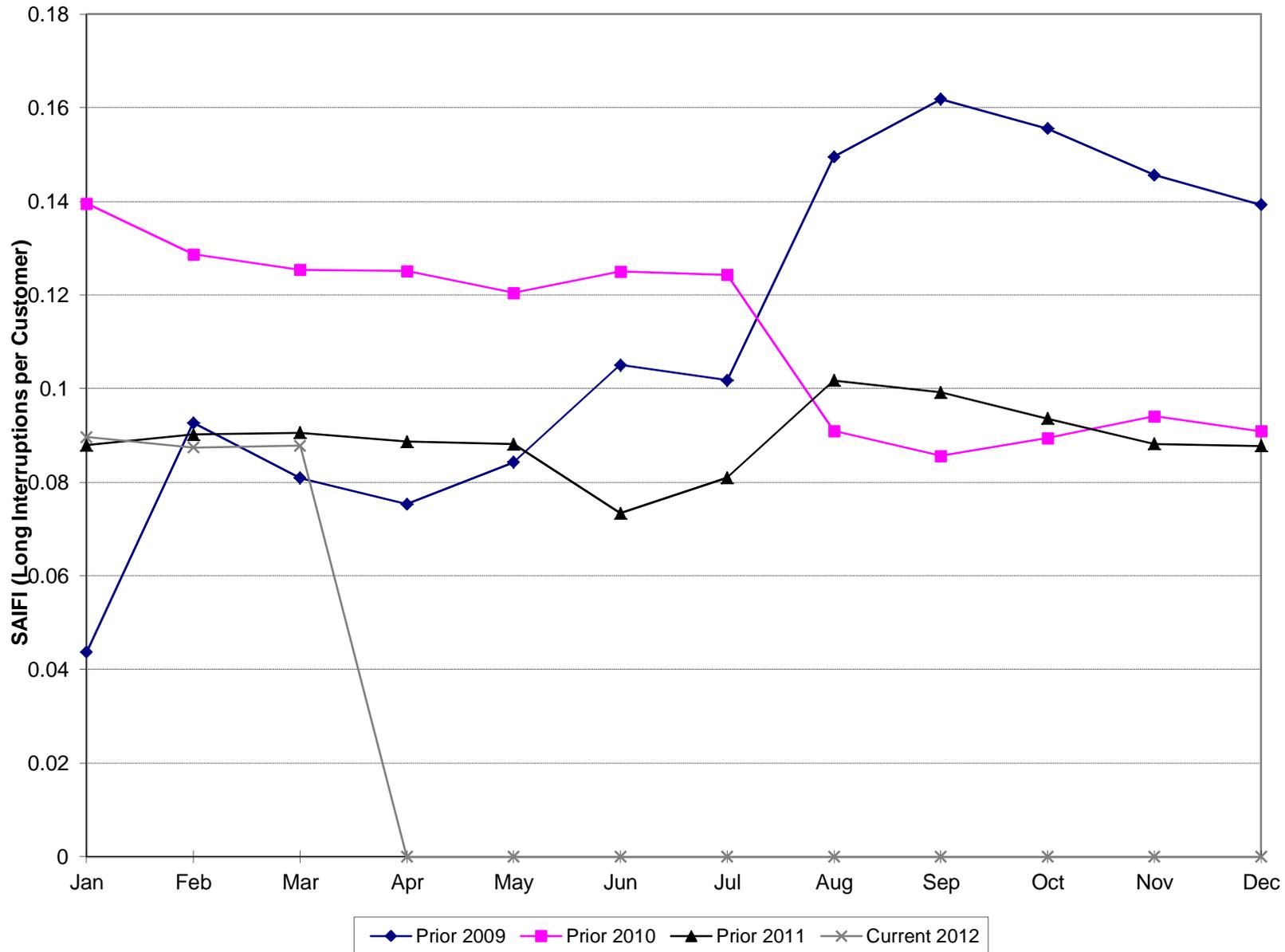
4/12/2012



This is the average duration of a customer outage, and is calculated by dividing the sum of the customer minutes off by the number of customers who experienced long interruptions.



This is the avg interruption duration for all customers served, and is calculated by dividing the sum of the customer minutes off by the avg number of customers served.

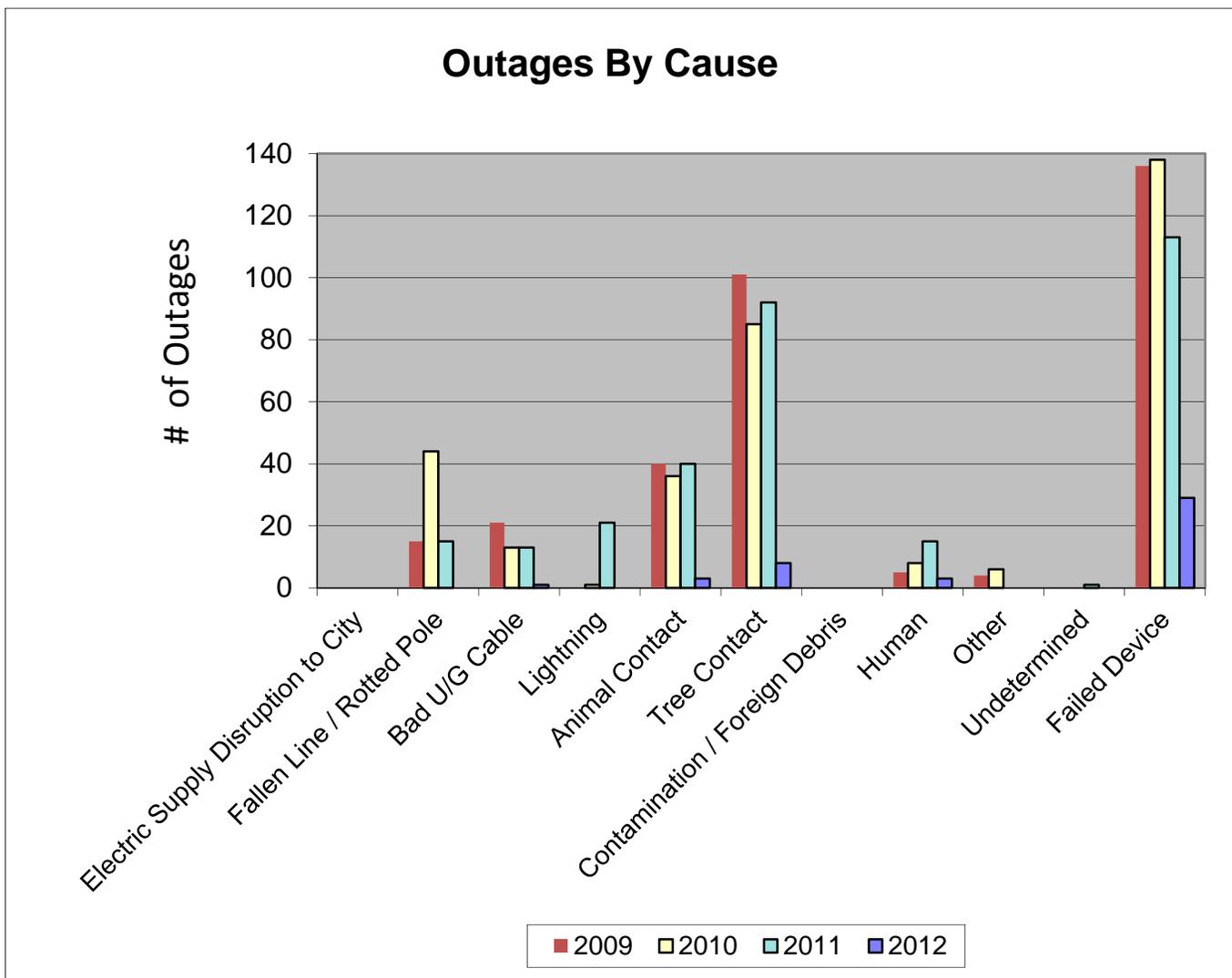


The number of times a customer is interrupted (>1 minute), averaged over all customers. Divide total customer interruptions by an avg of total customers served.

Outage Reasons

4/12/2012

Number of Outages (by Cause)	2009	2010	2011	2012	2011-2012
Electric Supply Disruption to City	0	0	0	0	0%
Fallen Line / Rotted Pole	15	44	15	0	-15%
Bad U/G Cable	21	13	13	1	-92%
Lightning	0	1	21	0	-21%
Animal Contact	40	36	40	3	-93%
Tree Contact	101	85	92	8	-91%
Contamination / Foreign Debris	0	0	0	0	0%
Human	5	8	15	3	-80%
Other	4	6	0	0	0%
Undetermined	0	0	1	0	-1%
Failed Device	136	138	113	29	-74%



CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-3-12		14903-72 nd		12:45pm	2:10pm	10-57

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-3-12		14 th & B.S.H.		7:40pm	11:45pm	156 cust.

Cause #: 1

Cause of Outage: Bad Line fuse cut out.

Maintenance Performed: Replaced cut out.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-4-12		105-Monroe		12:30pm	1:45pm	11

Cause #: 4

Cause of Outage: A Fuse Squirrel

Maintenance Performed: Refused A

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-4-12		16393-76 th		7:10pm	11:15pm	4

Cause #: 1

Cause of Outage: Bad Transformer

Maintenance Performed: Replaced Transformer

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-5-12		19350-140		10:40Am	11:55Am	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-7-12		427 - Mich.		10:40 AM	2:50 PM	12

Cause #: 1

Cause of Outage: Bad Δ

Maintenance Performed: Replaced Δ

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-11-12		220 - Broadway		9:30 AM	11:10 AM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-12-12		410 - Fruit		3:05 PM	5:20 PM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-16-12		77440 - 20 th		2:15 PM	5:00 PM	14

Cause #: 1

Cause of Outage: Bad Δ

Maintenance Performed: Replaced Δ

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-23-12		00722 - 67 th		5:30 AM	8:10 AM	73

Cause #: 1

Cause of Outage: Line fuse - Bad arrestors.

Maintenance Performed: Replaced arrestors & Line fuse.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-23-12		DeGrandchamp - 77 th		10:05 Am	3:15 pm	3

Cause #: 1

Cause of Outage: 2 - Bad A on Bank.

Maintenance Performed: Replaced A's on Bank.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-24-12		Airport.		1:35 pm	5:10 pm	1

Cause #: 2

Cause of Outage: Bad U.G.

Maintenance Performed: Repaired U.G.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-25-12		1119 - M 140		11:05 Am	2:10 pm	1

Cause #: 1

Cause of Outage: Bad conn

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-26-12		77720 - Jackson Blv.		2:50 pm	4:45 pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
1-29-12		70 th + 388		1:35 pm	5:30 pm	9

Cause #: 10

Cause of Outage: Broken pole / car. accid

Maintenance Performed: Line fuse down priu Replaced pole.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-2-12		75416-380		2:40 PM	4:00 PM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-3-12		15340-76 th		1:50 PM	5:30 PM	11

Cause #: 5

Cause of Outage: Down secondary line tree.

Maintenance Performed: cut tree & Replaced sec. line.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-8-12		1098-Monroe.		8:35 AM	10:30 AM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-10-12		72133-388		7:20 PM	12:30 AM	46

Cause #: 10

Cause of Outage: Pri. line down - hit by Trailer.

Maintenance Performed: Repaired line

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-14-12		7440-Eaton Dr.		9:40 AM	2:10 PM	16

Cause #: 1

Cause of Outage: Bad Δ

Maintenance Performed: Replaced Δ

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-22-12		77137-Marwood				

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-23-12		72405-6 th		1:45 pm	4:10 pm	1

Cause #: 5

Cause of Outage: down service - tree limb

Maintenance Performed: Replaced service.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
2-28-12		713-N.S.D.				

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-1-12		09379-B.S.H.		2:45 pm	4:30 pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-1-12		925-Bailey		5:20 pm	6:45 pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-2-12		273-Park		5:45 AM	1:00 PM	1

Cause #: 2

Cause of Outage: Bad U.G service Fence Co.

Maintenance Performed: Repaired U.G. service.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-3-12		361-Bailey		5:10 PM	6:50 PM	1

Cause #: 5

Cause of Outage: down service Tree limb.

Maintenance Performed: cut limb & Repaired service

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-8-12		811-Phoenix		8:50 AM	10:10 AM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-8-12		Jenson Trailer Park		3:15 PM	4:20 PM	11

Cause #: 5

Cause of Outage: Sec. line down Trees

Maintenance Performed: Trimmed Tree's & Repaired line

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-8-12		41-Beaver Ct.		3:10 PM	5:05 AM	16

Cause #: 5

Cause of Outage: Sec. line down - Tree's

Maintenance Performed: Trimmed Tree's & Repaired line.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-8-12		01694-71 1/2		7:55 PM	9:35 PM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-9-12		1045-Karl.		6:20 pm	9:10 pm	21

Cause #: 1

Cause of Outage: Bad Jumper

Maintenance Performed: Repaired A location.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-11-12		Cousins Campground		9:10 AM	11:05 AM	34

Cause #: 5

Cause of Outage: Line fuse - Tree limb

Maintenance Performed: cut limb & Refused line.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-12-12		N.S.D. - North		2:35 PM	4:05 PM	64

Cause #: 5

Cause of Outage: Line fuse - Tree limb

Maintenance Performed: cut limbs & Refused line

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-14-12		322-Van Buren		10:55 AM	11:55 AM	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-17-12		Family Video		9:10 AM	10:45 AM	1

Cause #: 4

Cause of Outage: A fuse's squirrel

Maintenance Performed: Replaced fuse's

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-18-12		River Bend Boat		12:20 pm	3:30 pm	4

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-19-12		75641-16 th		4:10 pm	6:05 pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-22-12		06333-Springhill		6:05 AM	7:45 AM	12

Cause #: 4

Cause of Outage: A fuse "squirrel"

Maintenance Performed: Refused A

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-24-12		20880-B.S.H.		4:50 pm	9:05 pm	26

Cause #: 5

Cause of Outage: Pole fire - tree limb

Maintenance Performed: cut limb & Repaired pole

CITY OF SOUTH HAVEN
Electric Distribution System
Power Outage Log

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-25-12		Depot		12:50 Am	7:10 Am	17

Cause #: 1

Cause of Outage: Bad A

Maintenance Performed: Replaced A

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-29-12		09642-73 rd		2:40 Pm	5:30 Pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-30-12		636-Erie St		1:40 Pm	3:30 Pm	1

Cause #: 1

Cause of Outage: Bad conn.

Maintenance Performed: Replaced conn.

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers
3-30-12		73561-Chambers #23		8:50 Pm	10:10 Pm	1

Cause #: 1

Cause of Outage: Bad Breaker

Maintenance Performed: Replaced Breaker

Date	S/U	Address / Location	# of Interruptions	Time of Outage	Time Power Restored	# of Customers

Cause #: _____

Cause of Outage: _____

Maintenance Performed: _____

**UTILITY FUNDS
BUDGET PACKET
April 30, 2012**

ELECTRIC FUND: Fund 582

FY 13 Total Revenues = \$13,698,265

Projected revenues are at the same level as FY 12, with a slight reduction in Construction in Aid Contributions. This amount is difficult to project so we opted to budget lower than FY12 by \$25,000. **No recommendation to increase rates for FY 13.**

FY 13 Total Expenditures= \$13,747,535

69.5% \$ 9,555,000 Purchased Power – Assumed 5% increase in costs

13.3% \$ 1,829,439 Operations – includes a portion of financial software upgrade (20,000), new transformer yard (160,000) & power quality monitor (13,000)

12.43% \$1,710,081 Administration – includes \$125,000 in meter upgrades

1.21% \$167,018 Transfer out to Building Authority #2 for debt service

3.53% \$486,000 Depreciation Expense

FY 13 Expense > Revenues = use reserves of \$49,270

Retained Earnings Balance Remaining after FY 13 = \$14,611,643

Staff intends to create a new 10-year capital improvement plan sometime this fiscal year.

City of South Haven
Electric Fund - Fund 582

For Informational
purposes only

	2008-09	2009-10	2010-11	2011-12	YTD	2011-12	2012-13	2013-14
Revenues:	Actual	Actual	Actual	Budget	(at 3/31/2012)	Projected	Proposed Budget	Estimated Budget
Charges for Service	\$ 12,479,761	\$ 12,180,235	\$ 13,276,525	\$ 13,449,663	\$ 10,322,777	\$ 13,449,663	\$ 13,449,663	\$ 13,449,663
Interest and Rents	\$ 73,775	\$ 59,299	\$ 55,795	\$ 37,602	\$ 31,185	\$ 37,602	\$ 32,602	\$ 32,602
Other Revenue	\$ 391,844	\$ 251,987	\$ 301,391	\$ 241,000	\$ 236,894	\$ 241,000	\$ 216,000	\$ 216,000
Operating Transfers In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues	\$ 12,945,380	\$ 12,491,521	\$ 13,633,712	\$ 13,728,265	\$ 10,590,856	\$ 13,728,265	\$ 13,698,265	\$ 13,698,265

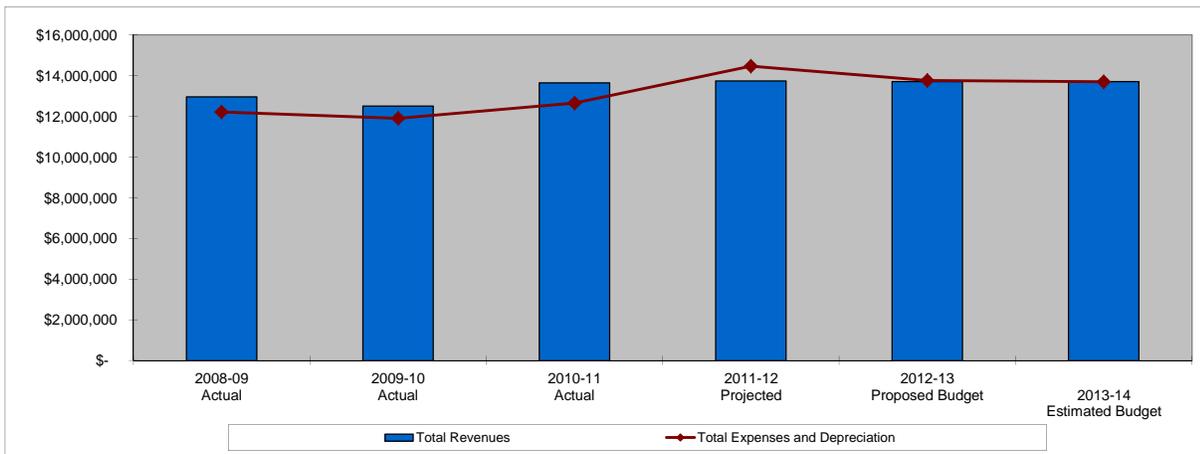
Percentage Change		-3.5%	9.1%			0.7%	-0.2%	0.0%
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	2008-09	2009-10	2010-11	2011-12	YTD	2011-12	2012-13	2013-14
Expenses	Actual	Actual	Actual	Budget	(at 3/31/2012)	Projected	Proposed Budget	Estimated Budget
Personnel Costs	\$ 1,102,903	\$ 1,177,828	\$ 1,252,753	\$ 1,247,460	\$ 992,115	\$ 1,247,460	\$ 1,316,243	\$ 1,342,568
Supplies	\$ 83,315	\$ 56,647	\$ 16,674	\$ 72,600	\$ 42,254	\$ 72,600	\$ 72,600	\$ 74,052
Admin/Computing/Equipment Fees	\$ 358,109	\$ 378,971	\$ 327,064	\$ 328,109	\$ 246,082	\$ 328,109	\$ 333,911	\$ 205,707
Payment in Lieu of Taxes	\$ 562,277	\$ 596,014	\$ 614,000	\$ 627,748	\$ 470,811	\$ 627,748	\$ 657,849	\$ 266,071
Contractual Services	\$ 501,366	\$ 461,906	\$ 273,413	\$ 363,000	\$ 334,553	\$ 363,000	\$ 250,000	\$ 255,000
Purchased Power	\$ 8,269,304	\$ 7,966,221	\$ 9,043,775	\$ 9,100,000	\$ 6,271,149	\$ 9,100,000	\$ 9,555,000	\$ 9,746,100
Other Services and Charges	\$ 190,556	\$ 333,843	\$ 200,136	\$ 395,382	\$ 286,114	\$ 395,382	\$ 445,914	\$ 792,232
Utilities	\$ 32,758	\$ 35,100	\$ 34,453	\$ 33,900	\$ 22,043	\$ 33,900	\$ 35,000	\$ 35,700
Repairs and Maintenance	\$ 237,128	\$ 71,258	\$ 137,783	\$ 130,000	\$ 72,673	\$ 130,000	\$ 110,000	\$ 112,200
Capital Outlay	\$ 158,410	\$ 120,856	\$ 52,234	\$ 614,558	\$ 266,148	\$ 614,558	\$ 318,000	\$ 57,370
Debt Service	\$ 63,827	\$ 37,747	\$ 31,050	\$ -	\$ -	\$ -	\$ -	\$ 141,344
Operating Transfers Out -Debt	\$ 229,759	\$ 193,222	\$ 186,237	\$ 1,055,290	\$ 153,767	\$ 1,055,290	\$ 145,572	\$ 167,018
Operating Transfers Out -DDA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,446	\$ -
Total Expenses	\$ 11,789,711	\$ 11,429,613	\$ 12,169,571	\$ 13,968,047	\$ 9,157,709	\$ 13,968,047	\$ 13,261,535	\$ 13,195,363
Depreciation	\$ 414,927	\$ 461,669	\$ 474,124	\$ 486,000	\$ -	\$ 486,000	\$ 486,000	\$ 495,720
Total Expenses and Depreciation	\$ 12,204,638	\$ 11,891,282	\$ 12,643,696	\$ 14,454,047	\$ 9,157,709	\$ 14,454,047	\$ 13,747,535	\$ 13,691,083

Percentage Change		-2.6%	6.3%			14.3%	-4.9%	-0.4%
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Excess (Deficiency) of Revenues Over Expenses	\$ 740,741	\$ 600,238	\$ 990,016	\$ (725,782)	\$ 1,433,146	\$ (725,782)	\$ (49,270)	\$ 7,182
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The Electric Utility is a regional utility serving the City of South Haven and surrounding townships. The City does not generate electricity. The City purchases wholesale electricity from Indiana Michigan Power through a cooperative formed with other municipal electric utilities.



City of South Haven
Electric Fund Activities

For Informational
purposes only

<i>Expenses by Activity</i>	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
<i>Purchased Power</i>								
Purchased Power	\$ 8,269,304	\$ 7,966,221	\$ 9,043,775	\$ 9,100,000	\$ 6,271,149	\$ 9,100,000	\$ 9,555,000	\$ 9,746,100
Total Purchased Power	\$ 8,269,304	\$ 7,966,221	\$ 9,043,775	\$ 9,100,000	\$ 6,271,149	\$ 9,100,000	\$ 9,555,000	\$ 9,746,100
Percentage Change		-3.7%	13.5%			0.6%	5.0%	2.0%
<i>Operations:</i>								
Personnel Costs	\$ 800,254	\$ 826,620	\$ 906,639	\$ 905,252	\$ 718,464	\$ 905,252	\$ 910,407	\$ 928,615
Supplies	\$ 83,315	\$ 56,647	\$ 16,674	\$ 72,600	\$ 42,254	\$ 72,600	\$ 72,600	\$ 74,052
Admin/Computing/Equipment Fees	\$ 177,092	\$ 182,921	\$ 131,905	\$ 132,874	\$ 99,655	\$ 132,874	\$ 138,669	\$ 138,669
Contractual Services	\$ 469,666	\$ 421,346	\$ 248,044	\$ 330,000	\$ 313,686	\$ 330,000	\$ 250,000	\$ 255,000
Utilities	\$ 32,758	\$ 35,100	\$ 34,453	\$ 33,900	\$ 22,043	\$ 33,900	\$ 35,000	\$ 35,700
Other Services and Charges	\$ 137,388	\$ 184,305	\$ 92,578	\$ 117,700	\$ 82,557	\$ 117,700	\$ 119,760	\$ 121,226
Repairs and Maintenance	\$ 237,128	\$ 71,258	\$ 137,783	\$ 130,000	\$ 72,673	\$ 130,000	\$ 110,000	\$ 112,200
Depreciation	\$ 414,927	\$ 461,669	\$ 474,124	\$ 486,000	\$ -	\$ 486,000	\$ 486,000	\$ 495,720
Capital Outlay	\$ 158,410	\$ 120,856	\$ 51,226	\$ 614,558	\$ 266,148	\$ 614,558	\$ 193,000	\$ -
Total Operations	\$ 2,510,939	\$ 2,360,721	\$ 2,093,426	\$ 2,822,884	\$ 1,617,479	\$ 2,822,884	\$ 2,315,436	\$ 2,161,182
Percentage Change		-6.0%	-11.3%			34.8%	-18.0%	-6.7%
<i>Administration:</i>								
Personnel Costs	\$ 302,648	\$ 351,208	\$ 346,114	\$ 342,208	\$ 273,651	\$ 342,208	\$ 405,836	\$ 413,953
Admin/Computing/Equipment Fees	\$ 181,017	\$ 196,050	\$ 195,159	\$ 195,235	\$ 146,426	\$ 195,235	\$ 195,242	\$ 67,038
Payment in Lieu of Taxes	\$ 562,277	\$ 596,014	\$ 614,000	\$ 627,748	\$ 470,811	\$ 627,748	\$ 657,849	\$ 266,071
Contractual Services	\$ 31,700	\$ 40,560	\$ 25,369	\$ 33,000	\$ 20,867	\$ 33,000	\$ -	\$ -
Other Services and Charges	\$ 53,169	\$ 149,539	\$ 107,558	\$ 277,682	\$ 203,557	\$ 277,682	\$ 326,154	\$ 671,006
Capital Outlay	\$ -	\$ -	\$ 1,008	\$ -	\$ -	\$ -	\$ -	\$ 57,370
Total Administration	\$ 1,130,811	\$ 1,333,371	\$ 1,289,208	\$ 1,475,873	\$ 1,115,313	\$ 1,475,873	\$ 1,585,081	\$ 1,475,438
Percentage Change		17.9%	-3.3%			14.5%	7.4%	-6.9%
<i>Electric System Upgrade:</i>								
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 125,000	\$ -
Total Electric System Upgrade	\$ -	\$ -	\$ 125,000	\$ -				
Percentage Change		N/A	N/A			N/A	N/A	N/A
<i>Debt Service</i>								
Debt Service	\$ 63,827	\$ 37,747	\$ 31,050	\$ -	\$ -	\$ -	\$ -	\$ -
Total Debt Service	\$ 63,827	\$ 37,747	\$ 31,050	\$ -	\$ -	\$ -	\$ -	\$ -
Percentage Change		-40.9%	-17.7%			-100.0%	#DIV/0!	N/A
<i>Transfer Out</i>								
Operating Transfers Out	\$ 229,759	\$ 193,222	\$ 186,237	\$ 1,055,290	\$ 153,767	\$ 1,055,290	\$ 167,018	\$ 167,018
Total Transfer Out	\$ 229,759	\$ 193,222	\$ 186,237	\$ 1,055,290	\$ 153,767	\$ 1,055,290	\$ 167,018	\$ 167,018
Percentage Change		-15.9%	-3.6%			466.6%	-84.2%	0.0%
<i>Total Expenses</i>								
Personnel Costs	\$ 1,102,903	\$ 1,177,828	\$ 1,252,753	\$ 1,247,460	\$ 992,115	\$ 1,247,460	\$ 1,316,243	\$ 1,342,568
Supplies	\$ 83,315	\$ 56,647	\$ 16,674	\$ 72,600	\$ 42,254	\$ 72,600	\$ 72,600	\$ 74,052
Purchased Power	\$ 8,269,304	\$ 7,966,221	\$ 9,043,775	\$ 9,100,000	\$ 6,271,149	\$ 9,100,000	\$ 9,555,000	\$ 9,746,100
Admin/Computing/Equipment Fees	\$ 358,109	\$ 378,971	\$ 327,064	\$ 328,109	\$ 246,082	\$ 328,109	\$ 333,911	\$ 205,707
Payment in Lieu of Taxes	\$ 562,277	\$ 596,014	\$ 614,000	\$ 627,748	\$ 470,811	\$ 627,748	\$ 657,849	\$ 266,071
Contractual Services	\$ 501,366	\$ 461,906	\$ 273,413	\$ 363,000	\$ 334,553	\$ 363,000	\$ 250,000	\$ 255,000
Other Services and Charges	\$ 190,556	\$ 333,843	\$ 200,136	\$ 395,382	\$ 286,114	\$ 395,382	\$ 445,914	\$ 792,232
Utilities	\$ 32,758	\$ 35,100	\$ 34,453	\$ 33,900	\$ 22,043	\$ 33,900	\$ 35,000	\$ 35,700
Repairs and Maintenance	\$ 237,128	\$ 71,258	\$ 137,783	\$ 130,000	\$ 72,673	\$ 130,000	\$ 110,000	\$ 112,200
Depreciation	\$ 414,927	\$ 461,669	\$ 474,124	\$ 486,000	\$ -	\$ 486,000	\$ 486,000	\$ 495,720
Capital Outlay	\$ 158,410	\$ 120,856	\$ 52,234	\$ 614,558	\$ 266,148	\$ 614,558	\$ 318,000	\$ 57,370
Debt Service	\$ 63,827	\$ 37,747	\$ 31,050	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Transfers Out	\$ 229,759	\$ 193,222	\$ 186,237	\$ 1,055,290	\$ 153,767	\$ 1,055,290	\$ 167,018	\$ 167,018
Total Expenses	\$ 12,204,638	\$ 11,891,282	\$ 12,643,696	\$ 14,454,047	\$ 9,157,709	\$ 14,454,047	\$ 13,747,535	\$ 13,549,738
Percentage Change		-2.6%	6.3%			14.3%	-4.9%	-1.4%

SEWER FUND: Fund 592

FY 13 Total Revenues = \$2,277,318

Projected revenues are about the same as FY 12. Although the rate coverage analysis shows that Operations & Capital related costs are underfunded, staff is not recommending any rate changes at this time.

FY 13 Total Expenditures= \$2,410,066

23.27%	\$560,828	Operations (558,563,564)– includes City, Casco Twp, & SH Twp Reflects a portion of financial software upgrade (20,000), & Kazoo St. Reconstruct (225,000)
27.6%	\$665,287	Treatment (559,566,567)– includes City, Casco Twp, & SH Twp Reflects capital outlay for a flow meter (6,000), composite sampler (6,500) & lab equip (1,600).
9.98%	\$240,746	Lift stations (562,569,570)– includes City, Casco Twp, & SH Twp
2.02%	\$48,816	IPP Program (560)
15.88%	\$382,889	Administration (561)
8.29%	\$200,000	Transfer out to 2003 Capital Bond Debt Service
1.92%	\$46,500	Transfers out of Special Assessments collected (to DDA & Sewer Rehab Funds)
11.04%	\$265,000	Depreciation Expense

FY 13 Expense > Revenues = use reserves of \$132,748

Retained Earnings Balance Remaining after FY 13 = \$6,371,009

City of South Haven
Sewer Fund - 592

For Informational
purposes only

Revenues:	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Charges for Service	\$ 1,292,309	\$ 1,368,229	\$ 1,384,622	\$ 1,524,271	\$ 1,074,643	\$ 1,524,271	\$ 1,524,271	\$ 1,615,727
Federal Grant	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest and Rents	\$ 47,039	\$ 33,645	\$ 28,777	\$ 29,500	\$ 20,672	\$ 29,500	\$ 24,571	\$ 24,571
Other Revenue	\$ 754,915	\$ 671,207	\$ 697,210	\$ 739,116	\$ 582,757	\$ 739,116	\$ 728,476	\$ 767,444
Operating Transfers In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues	\$ 2,094,263	\$ 2,073,081	\$ 2,110,609	\$ 2,292,887	\$ 1,678,072	\$ 2,292,887	\$ 2,277,318	\$ 2,407,742

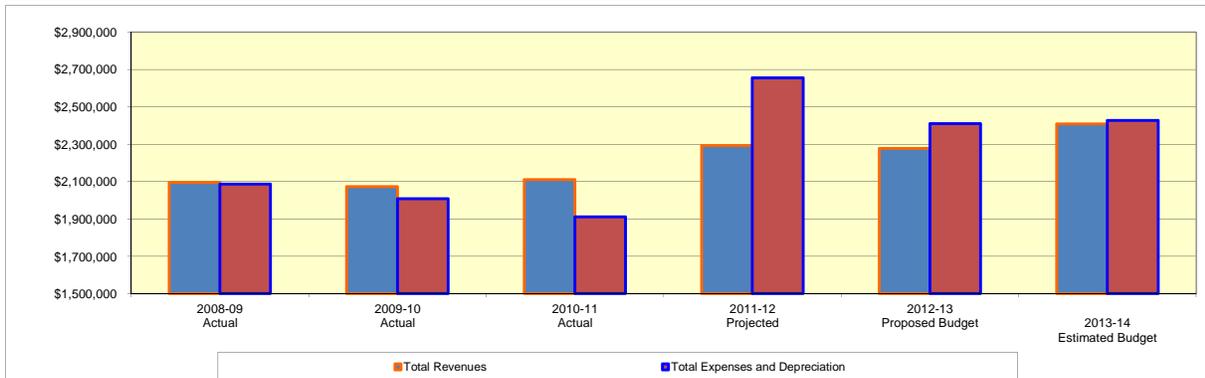
Percentage Change		-1.0%	1.8%			8.6%	-0.7%	5.7%
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Expenses	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Personnel Costs	\$ 518,107	\$ 498,459	\$ 542,210	\$ 670,098	\$ 441,503	\$ 670,098	\$ 621,065	\$ 633,486
Supplies	\$ 107,694	\$ 110,733	\$ 108,593	\$ 115,550	\$ 67,815	\$ 115,550	\$ 116,687	\$ 119,021
Admin/Computing/Equipment Fees	\$ 97,976	\$ 104,274	\$ 144,231	\$ 148,383	\$ 111,290	\$ 148,383	\$ 151,673	\$ 140,645
Payment in Lieu of Taxes	\$ 82,654	\$ 85,134	\$ 87,688	\$ 87,800	\$ 65,850	\$ 87,800	\$ 87,800	\$ 510
Contractual Services	\$ 309,015	\$ 261,036	\$ 194,274	\$ 251,406	\$ 261,795	\$ 251,406	\$ 264,400	\$ 269,178
Other Services and Charges	\$ 69,169	\$ 81,144	\$ 28,714	\$ 74,069	\$ 57,182	\$ 74,069	\$ 75,547	\$ 133,238
Utilities	\$ 226,578	\$ 213,497	\$ 199,452	\$ 228,937	\$ 142,131	\$ 228,937	\$ 231,723	\$ 236,357
Repairs and Maintenance	\$ 105,076	\$ 84,364	\$ 94,160	\$ 89,192	\$ 50,034	\$ 89,192	\$ 89,071	\$ 90,837
Capital Outlay	\$ 9,347	\$ 5,160	\$ (1,427)	\$ 478,583	\$ 10,847	\$ 478,583	\$ 260,600	\$ 257,408
Debt Service	\$ 3,515	\$ 2,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Transfers Out	\$ 285,838	\$ 285,776	\$ 268,182	\$ 246,500	\$ 540,504	\$ 246,500	\$ 246,500	\$ 277,052
Total Expenses	\$ 1,814,969	\$ 1,732,395	\$ 1,666,077	\$ 2,390,518	\$ 1,748,950	\$ 2,390,518	\$ 2,145,066	\$ 2,157,733
Depreciation	\$ 270,970	\$ 276,240	\$ 244,545	\$ 265,000	\$ -	\$ 265,000	\$ 265,000	\$ 270,300
Total Expenses and Depreciation	\$ 2,085,939	\$ 2,008,636	\$ 1,910,621	\$ 2,655,518	\$ 1,748,950	\$ 2,655,518	\$ 2,410,066	\$ 2,428,033

Percentage Change		-3.7%	-4.9%			39.0%	-9.2%	0.7%
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Excess (Deficiency) of Revenues Over Expenditures	\$ 8,324	\$ 64,446	\$ 199,987	\$ (362,631)	\$ (70,878)	\$ (362,631)	\$ (132,748)	\$ (20,291)
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The Sewer Utility is a regional sewer service provider to the City of South Haven and the surrounding communities. The City owns and operates a treatment plant, lift stations and the collection system located within the City limits. Since entering into service agreements with neighboring communities in the mid-1990's, significant increases to the collection system have taken place.



City of South Haven
Sewer Fund Activities

For Informational
purposes only

Expenditures by Activity	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Operations - City								
Personnel Costs	\$ 90,463	\$ 91,206	\$ 93,096	\$ 207,520	\$ 66,834	\$ 207,520	\$ 103,416	\$ 105,484
Supplies	\$ 42,638	\$ 35,985	\$ 20,324	\$ 23,364	\$ 15,679	\$ 23,364	\$ 26,255	\$ 26,780
Admin/Computing/Equipment Fees	\$ 11,424	\$ 11,935	\$ 32,645	\$ 32,467	\$ 24,350	\$ 32,467	\$ 33,867	\$ 33,867
Contractual Services	\$ 70,291	\$ 77,316	\$ 17,669	\$ 64,728	\$ 104,559	\$ 64,728	\$ 89,000	\$ 90,780
Other Services and Charges	\$ 24,717	\$ 29,020	\$ (3,822)	\$ 14,117	\$ 9,393	\$ 14,117	\$ 14,274	\$ 14,559
Utilities	\$ 2,987	\$ 1,940	\$ 1,345	\$ 1,339	\$ 705	\$ 1,339	\$ 1,365	\$ 1,392
Repairs and Maintenance	\$ 568	\$ 2,890	\$ 389	\$ 744	\$ 901	\$ 744	\$ 750	\$ 750
Depreciation	\$ 270,970	\$ 276,240	\$ 244,545	\$ 265,000	\$ -	\$ 265,000	\$ 265,000	\$ 270,300
Capital Outlay	\$ 2,374	\$ 62	\$ (2,837)	\$ 453,583	\$ 7,034	\$ 453,583	\$ 245,000	\$ 229,500
Total Operations - City	\$ 516,432	\$ 526,595	\$ 403,353	\$ 1,062,862	\$ 229,457	\$ 1,062,862	\$ 778,927	\$ 773,413
Percentage Change		2.0%	-23.4%			163.5%	-26.7%	-0.7%
Operations - South Haven Township								
	564							
Personnel Costs	\$ 1,841	\$ 533	\$ 455	\$ 1,277	\$ 823	\$ 1,277	\$ 1,097	\$ 1,119
Supplies	\$ 16	\$ -	\$ 4,449	\$ 5,753	\$ 4,100	\$ 5,753	\$ 5,753	\$ 5,868
Admin/Computing/Equipment Fees	\$ 6,794	\$ 7,042	\$ 9,187	\$ 9,197	\$ 6,898	\$ 9,197	\$ 9,595	\$ 9,595
Contractual Services	\$ 17,981	\$ -	\$ 13,534	\$ 16,965	\$ 28,012	\$ 16,965	\$ 11,700	\$ 11,934
Other Services and Charges	\$ -	\$ 98	\$ 2,426	\$ 3,189	\$ 2,336	\$ 3,189	\$ 3,189	\$ 3,253
Utilities	\$ -	\$ -	\$ 220	\$ 351	\$ 184	\$ 351	\$ 351	\$ 358
Repairs and Maintenance	\$ 150	\$ -	\$ 105	\$ 195	\$ 236	\$ 195	\$ 195	\$ 199
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operations - SH Township	\$ 26,782	\$ 7,672	\$ 30,376	\$ 36,927	\$ 42,589	\$ 36,927	\$ 31,880	\$ 32,326
Percentage Change		N/A	N/A			21.6%	-13.7%	1.4%
Operations - Casco Township								
	563							
Personnel Costs	\$ 452	\$ 470	\$ 365	\$ 507	\$ 139	\$ 507	\$ 451	\$ 460
Supplies	\$ 16	\$ -	\$ 2,942	\$ 1,800	\$ 1,295	\$ 1,800	\$ 1,800	\$ 1,836
Admin/Computing/Equipment Fees	\$ 6,689	\$ 6,912	\$ 8,325	\$ 8,236	\$ 6,180	\$ 8,236	\$ 8,602	\$ 8,602
Contractual Services	\$ -	\$ -	\$ 3,349	\$ 5,307	\$ 8,635	\$ 5,307	\$ 3,000	\$ 3,060
Other Services and Charges	\$ -	\$ 98	\$ 1,458	\$ 997	\$ 738	\$ 997	\$ 997	\$ 1,017
Utilities	\$ -	\$ -	\$ 146	\$ 110	\$ 58	\$ 110	\$ 110	\$ 112
Repairs and Maintenance	\$ 91	\$ -	\$ 69	\$ 61	\$ 74	\$ 61	\$ 61	\$ 62
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operations - Casco Twp	\$ 7,248	\$ 7,479	\$ 16,654	\$ 17,018	\$ 17,119	\$ 17,018	\$ 15,021	\$ 15,149
Percentage Change		N/A	N/A			2.2%	-11.7%	0.9%
Treatment - City								
	559							
Personnel Costs	\$ 212,926	\$ 188,618	\$ 209,857	\$ 204,594	\$ 162,963	\$ 204,594	\$ 202,837	\$ 206,894
Supplies	\$ 64,850	\$ 74,748	\$ 59,231	\$ 60,580	\$ 34,775	\$ 60,580	\$ 65,691	\$ 67,005
Admin/Computing/Equipment Fees	\$ 15,547	\$ 11,779	\$ 3,331	\$ 6,018	\$ 4,514	\$ 6,018	\$ 6,085	\$ 6,085
Contractual Services	\$ 118,921	\$ 127,039	\$ 89,996	\$ 66,960	\$ 32,967	\$ 66,960	\$ 64,000	\$ 65,280
Other Services and Charges	\$ 15,803	\$ 12,640	\$ 9,163	\$ 12,908	\$ 7,022	\$ 12,908	\$ 14,617	\$ 14,909
Utilities	\$ 184,795	\$ 175,534	\$ 123,848	\$ 150,200	\$ 85,238	\$ 150,200	\$ 152,803	\$ 155,859
Repairs and Maintenance	\$ 43,773	\$ 46,553	\$ 36,225	\$ 38,688	\$ 18,192	\$ 38,688	\$ 39,461	\$ 40,250
Capital Outlay	\$ 2,000	\$ 3,234	\$ (974)	\$ 18,600	\$ 2,014	\$ 18,600	\$ 14,100	\$ 14,382
Total Treatment - City	\$ 658,615	\$ 640,145	\$ 530,677	\$ 558,548	\$ 347,685	\$ 558,548	\$ 559,594	\$ 570,664
Percentage Change		-2.8%	-17.1%			5.3%	0.2%	2.0%
Treatment - Casco Township								
	566							
Personnel Costs	\$ 142	\$ 199	\$ 35	\$ -	\$ -	\$ -	\$ 2,605	\$ 2,657
Supplies	\$ -	\$ -	\$ 12,138	\$ 11,227	\$ 8,664	\$ 11,227	\$ 4,362	\$ 4,449
Admin/Computing/Equipment Fees	\$ 142	\$ 9,488	\$ 1,127	\$ 1,143	\$ 857	\$ 1,143	\$ 1,161	\$ 1,161
Contractual Services	\$ -	\$ 3,000	\$ 5,728	\$ 10,410	\$ 8,778	\$ 10,410	\$ 10,000	\$ 10,200
Other Services and Charges	\$ -	\$ 1,833	\$ 3,775	\$ 3,780	\$ 3,572	\$ 3,780	\$ 3,930	\$ 4,009
Utilities	\$ -	\$ -	\$ 13,499	\$ 15,100	\$ 20,304	\$ 15,100	\$ 15,100	\$ 15,402
Repairs and Maintenance	\$ -	\$ 4,748	\$ 6,403	\$ 5,122	\$ 5,139	\$ 5,122	\$ 5,122	\$ 5,224
Capital Outlay	\$ -	\$ -	\$ 911	\$ 1,525	\$ 940	\$ 1,525	\$ 1,500	\$ 1,530
Total Treatment - Casco Twp	\$ 284	\$ 19,268	\$ 43,615	\$ 48,307	\$ 48,254	\$ 48,307	\$ 43,780	\$ 44,632
Percentage Change		N/A	N/A			10.8%	-9.4%	1.9%
Treatment - South Haven Township								
	567							
Personnel Costs	\$ 433	\$ 572	\$ 35	\$ -	\$ -	\$ -	\$ 6,299	\$ 6,425
Supplies	\$ -	\$ -	\$ 8,930	\$ 10,719	\$ 3,302	\$ 10,719	\$ 10,719	\$ 10,933
Admin/Computing/Equipment Fees	\$ 13,971	\$ 9,821	\$ 1,544	\$ 1,651	\$ 1,238	\$ 1,651	\$ 1,670	\$ 1,670
Contractual Services	\$ -	\$ 3,690	\$ 8,778	\$ 17,550	\$ 3,578	\$ 17,550	\$ 6,500	\$ 6,630
Other Services and Charges	\$ -	\$ 1,833	\$ 4,345	\$ 4,885	\$ 2,511	\$ 4,885	\$ 3,785	\$ 3,861
Utilities	\$ 71	\$ (58)	\$ 20,413	\$ 22,800	\$ 9,026	\$ 22,800	\$ 22,800	\$ 23,256
Repairs and Maintenance	\$ 484	\$ 3,182	\$ 10,941	\$ 10,140	\$ 3,751	\$ 10,140	\$ 10,140	\$ 10,343
Capital Outlay	\$ -	\$ -	\$ 1,377	\$ 4,875	\$ 858	\$ 4,875	\$ -	\$ -
Total Treatment - SH Twp	\$ 14,959	\$ 19,040	\$ 56,363	\$ 72,620	\$ 24,265	\$ 72,620	\$ 61,913	\$ 63,118
Percentage Change		N/A	N/A			28.8%	-14.7%	1.9%

Sewer Fund Activities (continued)

Expenditures by Activity	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Liftstations - City	570							
Personnel Costs	\$ 19,222	\$ 18,512	\$ 29,808	\$ 29,836	\$ 22,937	\$ 29,836	\$ 33,129	\$ 33,792
Supplies	\$ -	\$ -	\$ -	\$ 1,525	\$ -	\$ 1,525	\$ 1,525	\$ 1,556
Admin/Computing/Equipment Fees	\$ 634	\$ 787	\$ 37,443	\$ 33,450	\$ 25,088	\$ 33,450	\$ 34,044	\$ 34,044
Contractual Services	\$ 46,799	\$ 16,202	\$ 14,102	\$ 25,340	\$ 43,507	\$ 25,340	\$ 32,000	\$ 32,640
Other Services and Charges	\$ 328	\$ 461	\$ 901	\$ 1,347	\$ 400	\$ 1,347	\$ 1,114	\$ 1,136
Utilities	\$ 17,999	\$ 17,923	\$ 20,534	\$ 20,300	\$ 9,593	\$ 20,300	\$ 20,300	\$ 20,706
Repairs and Maintenance	\$ 9,246	\$ 17,869	\$ 18,866	\$ 20,000	\$ 8,893	\$ 20,000	\$ 20,000	\$ 20,400
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Liftstations - City	\$ 94,229	\$ 71,754	\$ 121,653	\$ 131,798	\$ 110,418	\$ 131,798	\$ 142,112	\$ 144,273
Percentage Change		-23.9%	69.5%			8.3%	7.8%	1.5%
Liftstations - Casco Township	562							
Personnel Costs	\$ 18,496	\$ 15,380	\$ 15,462	\$ 19,217	\$ 7,080	\$ 19,217	\$ 12,359	\$ 12,606
Supplies	\$ -	\$ -	\$ 290	\$ 174	\$ -	\$ 174	\$ 174	\$ 177
Admin/Computing/Equipment Fees	\$ 397	\$ 493	\$ 2,713	\$ 2,480	\$ 1,860	\$ 2,480	\$ 2,560	\$ 2,560
Contractual Services	\$ 57	\$ 2,264	\$ 112	\$ 2,870	\$ 5,047	\$ 2,870	\$ 2,500	\$ 2,550
Other Services and Charges	\$ 205	\$ 258	\$ 371	\$ 473	\$ 391	\$ 473	\$ 942	\$ 961
Utilities	\$ 4,573	\$ 4,000	\$ 3,897	\$ 3,753	\$ 3,898	\$ 3,753	\$ 3,860	\$ 3,937
Repairs and Maintenance	\$ 3,539	\$ 2,118	\$ 3,846	\$ 4,000	\$ 4,627	\$ 4,000	\$ 4,000	\$ 4,080
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Liftstations - Casco Twp	\$ 27,267	\$ 24,512	\$ 26,692	\$ 32,967	\$ 22,904	\$ 32,967	\$ 26,395	\$ 26,872
Percentage Change		-10.1%	8.9%			23.5%	-19.9%	1.8%
Liftstations - South Haven Township	569							
Personnel Costs	\$ 25,226	\$ 16,686	\$ 26,354	\$ 26,753	\$ 15,023	\$ 26,753	\$ 29,945	\$ 30,544
Supplies	\$ 173	\$ -	\$ 290	\$ 408	\$ -	\$ 408	\$ 408	\$ 416
Admin/Computing/Equipment Fees	\$ 1,507	\$ 1,872	\$ 3,745	\$ 9,495	\$ 7,121	\$ 9,495	\$ 9,811	\$ 9,811
Contractual Services	\$ 13,658	\$ 2,176	\$ 844	\$ 7,776	\$ 12,172	\$ 7,776	\$ 7,200	\$ 7,344
Other Services and Charges	\$ 725	\$ 930	\$ 1,410	\$ 1,273	\$ 1,686	\$ 1,273	\$ 1,699	\$ 1,733
Utilities	\$ 15,981	\$ 14,067	\$ 15,112	\$ 14,834	\$ 13,068	\$ 14,834	\$ 14,834	\$ 15,131
Repairs and Maintenance	\$ 47,225	\$ 6,445	\$ 17,315	\$ 8,342	\$ 8,342	\$ 8,342	\$ 8,342	\$ 8,509
Capital Outlay	\$ 4,575	\$ 1,865	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Liftstations - SH Twp	\$ 109,071	\$ 44,042	\$ 65,069	\$ 68,881	\$ 57,289	\$ 68,881	\$ 72,239	\$ 73,488
Percentage Change		-59.6%	47.7%			5.9%	4.9%	1.7%
IPP	560							
Personnel Costs	\$ 13,140	\$ 14,638	\$ 13,521	\$ 15,230	\$ 11,077	\$ 15,230	\$ 16,248	\$ 16,573
Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Admin/Computing/Equipment Fees	\$ 2,018	\$ 2,079	\$ 361	\$ 361	\$ 271	\$ 361	\$ 368	\$ 268
Contractual Services	\$ 32,339	\$ 22,479	\$ 32,200	\$ 26,000	\$ 10,112	\$ 26,000	\$ 31,000	\$ 31,620
Other Services and Charges	\$ -	\$ -	\$ 11	\$ -	\$ -	\$ -	\$ -	\$ -
Utilities	\$ 172	\$ 91	\$ 438	\$ 150	\$ 57	\$ 150	\$ 200	\$ 204
Repairs and Maintenance	\$ -	\$ 559	\$ -	\$ 1,900	\$ -	\$ 1,900	\$ 1,000	\$ 1,020
Capital Outlay	\$ 398	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total IPP	\$ 48,067	\$ 39,846	\$ 46,532	\$ 43,641	\$ 21,516	\$ 43,641	\$ 48,816	\$ 49,685
Percentage Change		-17.1%	16.8%			-6.2%	11.9%	1.8%
Administration	561							
Personnel Costs	\$ 135,766	\$ 151,645	\$ 153,222	\$ 165,164	\$ 154,627	\$ 165,164	\$ 212,679	\$ 216,933
Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Admin/Computing/Equipment Fees	\$ 38,853	\$ 42,066	\$ 43,810	\$ 43,885	\$ 32,914	\$ 43,885	\$ 43,910	\$ 32,982
Payment in Lieu of Taxes	\$ 82,654	\$ 85,134	\$ 87,688	\$ 87,800	\$ 65,850	\$ 87,800	\$ 87,800	\$ 510
Contractual Services	\$ 8,968	\$ 6,870	\$ 7,962	\$ 7,500	\$ 4,428	\$ 7,500	\$ 7,500	\$ 7,140
Other Services and Charges	\$ 27,390	\$ 33,974	\$ 8,677	\$ 31,100	\$ 29,132	\$ 31,100	\$ 31,000	\$ 87,800
Capital Outlay	\$ -	\$ -	\$ 98	\$ -	\$ -	\$ -	\$ -	\$ 11,996
Total Administration	\$ 293,631	\$ 319,689	\$ 301,457	\$ 335,449	\$ 286,951	\$ 335,449	\$ 382,889	\$ 357,361
Percentage Change		8.9%	-5.7%			11.3%	14.1%	-6.7%
Debt Service	905							
Debt Service	\$ 3,515	\$ 2,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Debt Service	\$ 3,515	\$ 2,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Percentage Change		-19.8%	-100.0%		N/A	N/A		#DIV/0!
Transfer Out	965							
Operating Transfers Out	\$ 285,838	\$ 285,776	\$ 268,182	\$ 246,500	\$ 540,504	\$ 246,500	\$ 246,500	\$ 246,500
Total Transfer Out	\$ 285,838	\$ 285,776	\$ 268,182	\$ 246,500	\$ 540,504	\$ 246,500	\$ 246,500	\$ 246,500
Percentage Change		0.0%	-6.2%			-8.1%	0.0%	0.0%
Total Expenditures								
Personnel Costs	\$ 518,107	\$ 498,459	\$ 542,210	\$ 670,098	\$ 441,503	\$ 670,098	\$ 621,065	\$ 633,486
Supplies	\$ 107,694	\$ 110,733	\$ 108,593	\$ 115,550	\$ 67,815	\$ 115,550	\$ 116,687	\$ 119,021
Admin/Computing/Equipment Fees	\$ 97,976	\$ 104,274	\$ 144,231	\$ 148,383	\$ 111,290	\$ 148,383	\$ 151,673	\$ 140,645
Payment in Lieu of Taxes	\$ 82,654	\$ 85,134	\$ 87,688	\$ 87,800	\$ 65,850	\$ 87,800	\$ 87,800	\$ 510
Contractual Services	\$ 309,015	\$ 261,036	\$ 194,274	\$ 251,406	\$ 261,795	\$ 251,406	\$ 264,400	\$ 269,178
Other Services and Charges	\$ 69,169	\$ 81,144	\$ 28,714	\$ 74,069	\$ 57,182	\$ 74,069	\$ 75,547	\$ 133,238
Utilities	\$ 226,578	\$ 213,497	\$ 199,452	\$ 228,937	\$ 142,131	\$ 228,937	\$ 231,723	\$ 236,357
Repairs and Maintenance	\$ 105,076	\$ 84,364	\$ 94,160	\$ 89,192	\$ 50,034	\$ 89,192	\$ 89,071	\$ 90,837
Depreciation	\$ 270,970	\$ 276,240	\$ 244,545	\$ 265,000	\$ -	\$ 265,000	\$ 265,000	\$ 270,300
Capital Outlay	\$ 9,347	\$ 5,160	\$ (1,427)	\$ 478,583	\$ 10,847	\$ 478,583	\$ 260,600	\$ 257,408
Debt Service	\$ 3,515	\$ 2,818	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Operating Transfers Out	\$ 285,838	\$ 285,776	\$ 268,182	\$ 246,500	\$ 540,504	\$ 246,500	\$ 246,500	\$ 246,500
Total	\$ 2,085,939	\$ 2,008,636	\$ 1,910,621	\$ 2,655,518	\$ 1,748,950	\$ 2,655,518	\$ 2,410,066	\$ 2,397,481
Percentage Change		-3.7%	-4.9%			39.0%	-9.2%	-0.5%

DEBT SERVICE

Acct No	Account Description	2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget
DEBT SERVICE	VARIABLE REVENUE						
592-000-631-000	CONNECTION FEES DEBT	8,648.30	3,600.00	1,200.00	8,400.00	6,000.00	6,000.00
592-000-631-001	AVAILABILITY FEE-PLANT DEBT	37,842.00	20,034.00	4,674.60	16,249.80	12,224.00	12,224.00
592-000-631-002	AVAILABILITY FEE-SEWER SYSTEM DEBT	3,460.00	15,570.00	1,730.00	12,629.00	9,500.00	9,500.00
		<u>49,950.30</u>	<u>39,204.00</u>	<u>7,604.60</u>	<u>37,278.80</u>	<u>27,724.00</u>	<u>27,724.00</u>
	FIXED CHARGE						
			<i>METER EQUIV</i>	6,584.00		5/8" METER=	
592-000-642-006	DEBT SERVICE FEES	197,004.70	198,122.82	197,496.28	199,244.29	219,664.00	200,000.00
		<u>197,004.70</u>	<u>198,122.82</u>	<u>197,496.28</u>	<u>199,244.29</u>	<u>219,664.00</u>	<u>200,000.00</u>
	TOTAL DEBT RELATED REVENUE	246,955.00	237,326.82	205,100.88	236,523.09	247,388.00	227,724.00
592-965-999-371	OPER TRANS OUT-2003 CAP BOND	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
DEBT SERVICE		200,000.00	200,000.00	200,000.00	200,000.00	200,000.00	200,000.00
	DEBT OVER (UNDER) FUNDED	46,955.00	37,326.82	5,100.88	36,523.09	47,388.00	27,724.00

Wendy Hochstedler:
Overfunding on Debt
Coverage

OPERATIONS

Acct No	Account Description		2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget
VARIABLE REVENUE								
592-000-642-001	SEWER FEES - CITY	OPERATIONS	652,813.28	680,645.67	713,388.58	712,901.16	796,282.00	796,282.00
592-000-642-004	CASCO - USAGE	OPERATIONS	63,980.44	62,625.61	63,175.01	67,858.24	73,391.00	73,391.00
592-000-642-012	SH TWSP - USAGE	OPERATIONS	166,991.41	178,271.46	191,446.03	197,458.79	210,877.00	210,877.00
			883,785.13	921,542.74	968,009.62	978,218.19	1,080,550.00	1,080,550.00
FIXED CHARGE								
592-000-642-008	CITY-RTS	OPERATIONS	251,407.70	263,149.05	282,124.46	285,431.56	313,021.00	313,021.00
592-000-642-009	CASCO - RTS	OPERATIONS	36,440.41	39,512.64	43,186.88	44,816.00	48,326.00	48,326.00
592-000-642-013	SH TWSP - RTS	OPERATIONS	61,803.99	68,104.71	74,908.17	76,155.85	82,374.00	82,374.00
			349,652.10	370,766.40	400,219.51	406,403.41	443,721.00	443,721.00
TOTAL OPERATIONS RELATED REVENUE			1,233,437.23	1,292,309.14	1,368,229.13	1,384,621.60	1,524,271.00	1,524,271.00
NET OF DEPREC & CAPITAL COSTS								
<i>Operations - City</i>		558	193,053.25	243,088.62	250,292.62	161,645.78	344,279.00	268,927.00
<i>Operations - Casco Twp</i>		563	12,528.55	7,247.95	7,479.40	16,653.73	17,018.00	15,021.00
<i>Operations - SH Twp</i>		564	8,042.52	26,782.21	7,672.24	30,376.08	36,927.00	31,880.00
OPERATIONS TOTAL			213,624.32	277,118.78	265,444.26	208,675.59	398,224.00	315,828.00
Sewer Treatment - City								
		559	802,937.79	658,615.47	640,144.60	530,676.61	558,548.00	559,594.00
Sewer Treatment - Casco Twp								
		566	410.90	284.00	19,268.14	43,614.60	48,307.00	43,780.00
Sewer Treatment - SH Twp								
		567	10,147.74	14,959.00	19,040.16	56,363.20	72,620.00	61,913.00
TREATMENT TOTAL			813,496.43	673,858.47	678,452.90	630,654.41	679,475.00	665,287.00
Liftstations - Casco Twp								
		562	28,234.39	27,266.96	24,511.78	26,691.56	32,967.00	26,395.00
Liftstations - SH Twp								
		569	68,092.22	109,070.93	44,041.76	65,069.19	68,881.00	72,239.00
Liftstations - City								
		570	48,217.56	94,228.91	71,753.69	121,652.68	131,798.00	142,112.00
LIFTSTATIONS TOTAL			144,544.17	230,566.80	140,307.23	213,413.43	233,646.00	240,746.00
Administration								
		561	233,705.52	293,630.87	319,688.92	301,457.02	335,449.00	382,889.00
GRAND TOTAL OPERATIONS RELATED			1,405,370.44	1,475,174.92	1,403,893.31	1,354,200.45	1,646,794.00	1,604,750.00
OPERATIONS OVER (UNDER) FUNDED			(171,933.21)	(182,865.78)	(35,664.18)	30,421.15	(122,523.00)	(80,479.00)

Wendy Hochstedler:
Shortfall in Operations
Coverage

CAPITAL COST RELATED

Acct No	Account Description	2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget	
			<i>METER EQUIV</i>	<i>6,584</i>		<i>5/8" METER=1.11</i>		
592-000-642-005	CAPITAL REPLACEMENT FEES	76,938.35	80,417.74	85,184.93	68,262.86	93,357.00	93,357.00	-
592-000-642-015	SH TWSP - CAPITAL REPLACEMENT	18,913.55	20,812.94	22,608.49	18,220.06	24,163.00	24,163.00	-
592-000-642-011	CASCO - CAPITAL REPLACEMENT	11,152.39	12,076.85	13,036.80	10,727.25	14,278.00	14,278.00	-
		<u>107,004.29</u>	<u>113,307.53</u>	<u>120,830.22</u>	<u>97,210.17</u>	<u>131,798.00</u>	<u>131,798.00</u>	
						<i>5/8" METER=2.34</i>		
592-000-642-007	CAPITAL IMPROVEMENT FEES CAPITAL	217,111.78	218,305.09	217,586.99	219,854.37	241,630.00	241,630.00	-
	TOTAL CAPITAL RELATED REVENUE	324,116.07	331,612.62	338,417.21	317,064.54	373,428.00	373,428.00	
592-558-968-000	DEPRECIATION EXPENSE	227,533.13	270,969.59	276,240.19	244,544.72	265,000.00	265,000.00	
592-558-972-004	Smart Metering project	-	-	-	-	25,600.00	-	
592-558-973-000	SEWER SYSTEM CONSTRUCTION	50,215.00	272,162.08	107,267.03	(2,837.39)	427,983.00	225,000.00	Kazoo St reconstruct
592-558-980-000	OFFICE EQUIPMENT & FURNITURE	-	2,373.90	61.69	-	-	20,000.00	-
	CAPITAL ASSET RELATED EXPENSE	277,748.13	545,505.57	383,568.91	241,707.33	718,583.00	510,000.00	
	CAPITAL RELATED OVER (UNDER) FUNDED	46,367.94	(213,892.95)	(45,151.70)	75,357.21	(345,155.00)	(136,572.00)	

Wendy Hochstedler:
Shortfall on Capital Asset
coverage

IPP PROGRAM

Acct No	Account Description	2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget
IPP Program - REVENUES							
592-000-680-003	IPP REIMBURSE-ALBEMARLE	24,957.26	45,381.82	34,891.68	40,026.93	30,000.00	37,300.00
592-000-680-004	IPP REIMBURSE-PRO POWDER	-	-	-	-	-	-
592-000-680-005	IPP REIMBURSE-SHERMAN DAIRY	1,257.54	1,138.56	1,158.07	982.48	-	-
592-000-680-006	IPP REIMBURSE-AIRBOSS POLYMER	-	-	-	-	-	-
592-000-680-013	REIMBURSEMENTS-ALBEMARLE	11,220.02	9,245.26	-	-	10,000.00	12,924.00
592-000-680-014	REIMBURSEMENTS-PRO POWDER	-	-	-	-	-	-
592-000-680-015	REIMBURSEMENTS-SHERMAN DAIRY	-	-	-	-	-	-
		37,434.82	55,765.64	36,049.75	41,009.41	40,000.00	50,224.00
IPP Program	Expense Totals	560	52,569.55	48,067.25	39,845.92	46,531.87	43,641.00
	IPP PROGRAM RELATED OVER (UNDER) FUNDED		(15,134.73)	7,698.39	(3,796.17)	(5,522.46)	(3,641.00)

Wendy Hochstedler:
Overfunding on IPP
coverage

WATER FUND: Fund 591

FY 13 Total Revenues = \$3,467,453

Projected revenues reflect varying percentage changes to rate components. An analysis was prepared to compare the annual expenses with the current rates set to cover those expenses. This showed how much each level was either overfunded or underfunded. This analysis was used to determine what rate changes were necessary to fund the various activities such as Operations/Administration, Debt Service and Capital Related Costs. At their next regular meeting on April 30, the Board of Public Utilities (BPU) will be presented the following information regarding the rate changes requested.

The Average Residential Utility Bill for Water is expected to increase by 19.48% or approx. \$8 per month. Details of these changes to the various rate components are discussed below.

Debt Coverage: It appears that when the fixed charges relating to debt service repayment were determined, there was the assumption of a certain level of new connections to be added each year. The number of new home starts and new connections has diminished during these tough economic times and those connection levels have not been reached for a number of years. The debt service requirements for the new water plant have not been fully funded since first debt service payments were made in FY 2008-09. Debt service costs have been underfunded from FY 09 through FY 12 by nearly \$450,000. User fees generated to cover Operations & Capital related costs had to be used to make the debt payments. This reduced the funds available for future use and has left the Water fund very lean. City staff has recommended a 2% increase in connection fees (variable) and a 30.2% increase (or \$3.85) in plant replacement fees (fixed).

Operations Coverage: The coverage analysis for operations/administration costs shows that the annual costs have been underfunded since at least FY 08 by a cumulative total of over \$1.2m or an average annual underfunded position of nearly \$245,000. Staff has recommended a 7.2% increase in the commodity charge (variable) and a 20% increase in ready-to-serve fees (fixed). These increases relate to FY 13 and the breakeven point and do not seek to make up for past underfunding for operations.

Capital Cost Coverage: The coverage analysis for capital related costs shows the annual costs have been underfunded from FY 08 to FY 11 by a cumulative total of over \$630,000. FY 12 shows an underfunded position of \$597,000. New capital cost for FY 12 is an additional \$374k in depreciation on the new water plant (575,000) and includes one section of water main (190,374) and the partial purchase of smart meters (27,600). Staff has recommended a 50% increase in the capital replacement fees (to cover system-wide improvements) and the capital improvement fees (applies to improvements within the City limits). After these increases, the FY 13 capital related costs still remain underfunded by over \$500,000. It is recommended that increases be considered in the future to offset some of the costs.

WATER FUND: Fund 591 (continued)

FY 13 Total Expenditures= \$3,835,106

35.97%	\$1,379,691	Operations (558,563,564,565)– includes City, Casco Twp, SH Twp & Covert Twp. Reflects a portion of financial software upgrade (20,000), Kazoo St. Reconstruct (225,000) and reliability study update on distrib. system to DEQ (12,000)
18.82%	\$721,794	Treatment (559,566,567,568)– includes City, Casco Twp, SH Twp & Covert Twp Reflects a reliability study update on treatment plant to DEQ (4,000)
7.59%	\$291,135	Administration (561)
1.72%	\$65,691	Debt Service relating to revenue bonds
34.98%	\$1,341,795	Transfer out to Water Plant Debt Service
0.92%	\$35,000	Transfers out of Special Assessments collected (to DDA & Sewer Rehab Funds)
3.53%	\$575,000	Depreciation Expense

FY 13 Expense > Revenues = use reserves of \$367,653

Retained Earnings Balance Remaining after FY 13 = \$24,054,247

City of South Haven
Water Fund - Fund 591

For Informational
purposes only

	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Revenues:								
Charges for Service	\$ 1,382,473	\$ 1,540,741	\$ 1,499,644	\$ 1,532,383	\$ 1,171,493	\$ 1,532,383	\$ 1,686,827	\$ 1,686,827
Interest and Rents	\$ 37,109	\$ 27,194	\$ 22,860	\$ 22,002	\$ 18,979	\$ 22,002	\$ 18,846	\$ 18,846
Other Revenue	\$ 867,751	\$ 1,276,077	\$ 1,453,816	\$ 1,360,250	\$ 1,074,528	\$ 1,360,250	\$ 1,761,780	\$ 1,761,780
Operating Transfers In	\$ 3,633,219	\$ 8,305,816	\$ 7,541,722	\$ -	\$ -	\$ -	\$ -	\$ -
Total Revenues	\$ 5,920,551	\$ 11,149,827	\$ 10,518,042	\$ 2,914,635	\$ 2,264,999	\$ 2,914,635	\$ 3,467,453	\$ 3,467,453

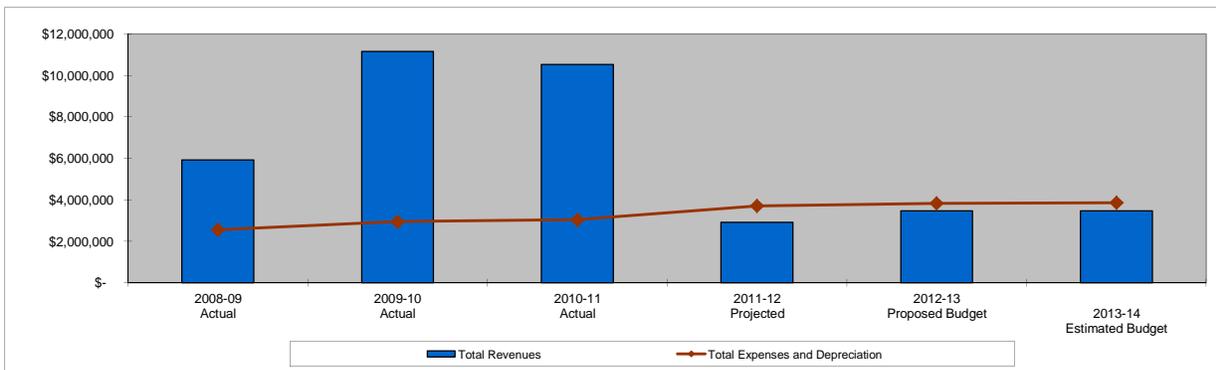
Percentage Change		88.3%	-5.7%			-72.3%	19.0%	0.0%
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	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Expenses:								
Personnel Costs	\$ 691,546	\$ 725,960	\$ 753,800	\$ 788,516	\$ 530,499	\$ 788,516	\$ 764,491	\$ 779,781
Supplies	\$ 208,426	\$ 213,555	\$ 180,179	\$ 187,645	\$ 134,088	\$ 187,645	\$ 193,842	\$ 197,719
Admin/Computing/Equipment Fees	\$ 77,037	\$ 81,676	\$ 101,051	\$ 99,801	\$ 74,851	\$ 99,801	\$ 101,036	\$ 101,052
Payment in Lieu of Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractual Services	\$ 249,257	\$ 233,000	\$ 309,766	\$ 112,335	\$ 88,666	\$ 112,335	\$ 133,320	\$ 135,986
Other Services and Charges	\$ 143,531	\$ 165,266	\$ 106,557	\$ 154,989	\$ 122,275	\$ 154,989	\$ 156,339	\$ 159,466
Utilities	\$ 174,901	\$ 166,411	\$ 188,240	\$ 198,338	\$ 136,707	\$ 198,338	\$ 201,136	\$ 205,159
Repairs and Maintenance	\$ 95,954	\$ 28,268	\$ 30,436	\$ 27,426	\$ 19,041	\$ 27,426	\$ 22,456	\$ 22,905
Capital Outlay	\$ 31,115	\$ 150	\$ (1,243)	\$ 217,974	\$ 2,369	\$ 217,974	\$ 245,000	\$ 229,500
Debt Service	\$ 120,616	\$ 45,309	\$ 41,245	\$ 66,866	\$ 66,590	\$ 66,866	\$ 65,691	\$ 65,691
Operating Transfers Out	\$ 585,775	\$ 1,102,422	\$ 1,138,355	\$ 1,287,608	\$ 1,483,685	\$ 1,287,608	\$ 1,376,795	\$ 1,376,795
Total Expenses	\$ 2,378,156	\$ 2,762,018	\$ 2,848,385	\$ 3,141,498	\$ 2,658,771	\$ 3,141,498	\$ 3,260,106	\$ 3,274,054
Depreciation	\$ 182,679	\$ 191,201	\$ 195,684	\$ 575,000	\$ -	\$ 575,000	\$ 575,000	\$ 586,500
Total Expenses and Depreciation	\$ 2,560,836	\$ 2,953,219	\$ 3,044,069	\$ 3,716,498	\$ 2,658,771	\$ 3,716,498	\$ 3,835,106	\$ 3,860,554

Percentage Change		15.3%	3.1%			22.1%	3.2%	0.7%
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Excess (Deficiency) of Revenues Over Expenses	\$ 3,359,715	\$ 8,196,608	\$ 7,473,973	\$ (801,863)	\$ (393,771)	\$ (801,863)	\$ (367,653)	\$ (393,101)
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The Water Utility is a regional supplier of water to the City of South Haven and the surrounding communities. The City owns and operates a water filtration plant, two water towers, one standpipe and the distribution system located within the City limits. Since entering into supply agreements with neighboring communities in the mid-1990's, significant increases to the water distribution system have taken place.



City of South Haven
Water Fund Activities

For Informational
purposes only

	2008-09	2009-10	2010-11	2011-12	YTD	2011-12	2012-13	2013-14
<i>Expenditures by Activity</i>	<i>Actual</i>	<i>Actual</i>	<i>Actual</i>	<i>Budget</i>	<i>(at 3/31/2012)</i>	<i>Projected</i>	<i>Proposed Budget</i>	<i>Estimated Budget</i>
<i>Operations - City</i>								
Personnel Costs	\$ 205,580	\$ 207,668	\$ 233,035	\$ 231,446	\$ 156,006	\$ 231,446	\$ 238,942	\$ 243,721
Supplies	\$ 132,167	\$ 146,298	\$ 82,111	\$ 67,456	\$ 51,348	\$ 67,456	\$ 64,068	\$ 65,349
Admin/Computing/Equipment Fees	\$ 9,147	\$ 9,569	\$ 19,432	\$ 19,001	\$ 14,251	\$ 19,001	\$ 19,379	\$ 19,395
Contractual Services	\$ 112,835	\$ 139,243	\$ 63,856	\$ 47,000	\$ 31,506	\$ 47,000	\$ 42,000	\$ 42,840
Other Services and Charges	\$ 22,500	\$ 36,029	\$ 12	\$ 11,998	\$ 9,161	\$ 11,998	\$ 12,059	\$ 12,300
Utilities	\$ 2,987	\$ 1,922	\$ 1,255	\$ 1,107	\$ 583	\$ 1,107	\$ 1,129	\$ 1,152
Repairs and Maintenance	\$ 9,695	\$ 3,349	\$ 2,758	\$ 9,000	\$ 7,801	\$ 9,000	\$ 2,000	\$ 2,040
Depreciation	\$ 182,679	\$ 191,201	\$ 195,684	\$ 575,000	\$ -	\$ 575,000	\$ 575,000	\$ 586,500
Capital Outlay	\$ 27,806	\$ 150	\$ (1,341)	\$ 217,974	\$ 2,369	\$ 217,974	\$ 245,000	\$ 229,500
Total Operations - City	\$ 705,397	\$ 735,429	\$ 596,803	\$ 1,179,982	\$ 273,026	\$ 1,179,982	\$ 1,199,577	\$ 1,202,797
Percentage Change		4.3%	-18.8%			97.7%	1.7%	0.3%
<i>Operations - South Haven Township</i>								
Personnel Costs	\$ 564	\$ 27,188	\$ 21,581	\$ 24,800	\$ 12,490	\$ 24,800	\$ 24,395	\$ 24,883
Supplies	\$ 16	\$ 58	\$ 6,832	\$ 14,508	\$ 15,430	\$ 14,508	\$ 14,508	\$ 14,798
Admin/Computing/Equipment Fees	\$ 8,650	\$ 8,951	\$ 6,379	\$ 6,261	\$ 4,696	\$ 6,261	\$ 6,392	\$ 6,392
Contractual Services	\$ 175	\$ 9,838	\$ 10,458	\$ 10,000	\$ 10,217	\$ 10,000	\$ 10,000	\$ 10,200
Other Services and Charges	\$ -	\$ 75	\$ 2,928	\$ 3,478	\$ 2,597	\$ 3,478	\$ 3,478	\$ 3,548
Utilities	\$ -	\$ -	\$ 220	\$ 335	\$ 175	\$ 335	\$ 335	\$ 342
Repairs and Maintenance	\$ -	\$ -	\$ 2,318	\$ 2,500	\$ 2,344	\$ 2,500	\$ 2,500	\$ 2,550
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operations - SH Twp	\$ 28,736	\$ 46,109	\$ 50,715	\$ 61,882	\$ 47,949	\$ 61,882	\$ 61,608	\$ 62,712
Percentage Change		N/A	10.0%			22.0%	-0.4%	1.8%
<i>Operations - Casco Township</i>								
Personnel Costs	\$ 10,520	\$ 13,260	\$ 10,854	\$ 13,266	\$ 8,647	\$ 13,266	\$ 12,928	\$ 13,187
Supplies	\$ 16	\$ 58	\$ 4,518	\$ 9,595	\$ 10,286	\$ 9,595	\$ 9,595	\$ 9,787
Admin/Computing/Equipment Fees	\$ 8,545	\$ 8,821	\$ 9,078	\$ 8,891	\$ 6,668	\$ 8,891	\$ 9,071	\$ 9,071
Contractual Services	\$ 2,405	\$ 7,092	\$ 7,420	\$ 11,070	\$ 6,311	\$ 11,070	\$ 11,070	\$ 11,291
Other Services and Charges	\$ -	\$ 75	\$ 1,936	\$ 2,301	\$ 1,731	\$ 2,301	\$ 2,301	\$ 2,347
Utilities	\$ -	\$ -	\$ 146	\$ 221	\$ 117	\$ 221	\$ 221	\$ 225
Repairs and Maintenance	\$ -	\$ -	\$ 1,533	\$ 2,000	\$ 1,563	\$ 2,000	\$ 2,000	\$ 2,040
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operations - Casco Twp	\$ 21,486	\$ 29,306	\$ 35,485	\$ 47,344	\$ 35,324	\$ 47,344	\$ 47,186	\$ 47,948
Percentage Change		N/A	21.1%			33.4%	-0.3%	1.6%
<i>Operations - Covert</i>								
Personnel Costs	\$ 37,843	\$ 41,491	\$ 25,296	\$ 36,271	\$ 21,007	\$ 36,271	\$ 35,583	\$ 36,295
Supplies	\$ 16	\$ 58	\$ 2,791	\$ 5,928	\$ 6,575	\$ 5,928	\$ 5,928	\$ 6,047
Admin/Computing/Equipment Fees	\$ 8,588	\$ 8,874	\$ 19,857	\$ 19,343	\$ 14,507	\$ 19,343	\$ 19,751	\$ 19,751
Contractual Services	\$ 68,904	\$ 8,132	\$ 8,040	\$ 6,840	\$ 7,863	\$ 6,840	\$ 7,000	\$ 7,140
Other Services and Charges	\$ -	\$ 75	\$ 1,197	\$ 1,421	\$ 1,239	\$ 1,421	\$ 1,421	\$ 1,449
Utilities	\$ -	\$ -	\$ 90	\$ 137	\$ 145	\$ 137	\$ 137	\$ 140
Repairs and Maintenance	\$ -	\$ -	\$ 947	\$ 1,500	\$ 1,125	\$ 1,500	\$ 1,500	\$ 1,530
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Operations - Covert	\$ 115,351	\$ 58,630	\$ 58,218	\$ 71,440	\$ 53,766	\$ 71,440	\$ 71,320	\$ 72,351
Percentage Change		N/A	-0.7%			22.7%	-0.2%	1.4%
<i>Treatment - City</i>								
Personnel Costs	\$ 167,731	\$ 169,306	\$ 184,434	\$ 204,682	\$ 143,941	\$ 204,682	\$ 170,537	\$ 173,948
Supplies	\$ 76,210	\$ 67,085	\$ 65,370	\$ 62,265	\$ 31,116	\$ 62,265	\$ 71,850	\$ 73,287
Admin/Computing/Equipment Fees	\$ 1,167	\$ 1,316	\$ 1,530	\$ 1,561	\$ 1,171	\$ 1,561	\$ 1,577	\$ 1,577
Contractual Services	\$ 51,988	\$ 53,105	\$ 136,629	\$ 18,450	\$ 16,020	\$ 18,450	\$ 44,000	\$ 44,880
Other Services and Charges	\$ 14,034	\$ 12,364	\$ 6,200	\$ 10,769	\$ 7,963	\$ 10,769	\$ 12,470	\$ 12,719
Utilities	\$ 163,947	\$ 155,910	\$ 140,165	\$ 136,838	\$ 92,209	\$ 136,838	\$ 139,114	\$ 141,896
Repairs and Maintenance	\$ 83,638	\$ 24,919	\$ 14,628	\$ 9,538	\$ 3,909	\$ 9,538	\$ 11,568	\$ 11,799
Capital Outlay	\$ 3,309	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Treatment - City	\$ 562,023	\$ 484,004	\$ 548,956	\$ 444,103	\$ 296,329	\$ 444,103	\$ 451,116	\$ 460,107
Percentage Change		-13.9%	13.4%			-19.1%	1.6%	2.0%
<i>Treatment - Casco Township</i>								
Personnel Costs	\$ 16,861	\$ 17,047	\$ 18,990	\$ 19,357	\$ 14,525	\$ 19,357	\$ 26,027	\$ 26,548
Supplies	\$ -	\$ -	\$ 5,928	\$ 8,911	\$ 6,088	\$ 8,911	\$ 8,911	\$ 9,089
Admin/Computing/Equipment Fees	\$ 687	\$ 720	\$ 229	\$ 298	\$ 224	\$ 298	\$ 301	\$ 301
Contractual Services	\$ 750	\$ 2,540	\$ 23,690	\$ 5,615	\$ 3,686	\$ 5,615	\$ 5,500	\$ 5,610
Other Services and Charges	\$ -	\$ -	\$ 1,071	\$ 2,190	\$ 884	\$ 2,190	\$ 2,190	\$ 2,234
Utilities	\$ -	\$ -	\$ 10,642	\$ 17,990	\$ 10,619	\$ 17,990	\$ 17,990	\$ 18,350
Repairs and Maintenance	\$ -	\$ -	\$ 2,636	\$ 923	\$ 635	\$ 923	\$ 923	\$ 941
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Treatment - Casco Twp	\$ 18,297.94	\$ 20,307.39	\$ 63,186.29	\$ 55,284.00	\$ 36,659.67	\$ 55,284.00	\$ 61,842.00	\$ 63,072.82
Percentage Change		N/A	N/A			-12.5%	11.9%	2.0%

Water Fund Activities (continued)

Expenditures by Activity	2008-09 Actual	2009-10 Actual	2010-11 Actual	2011-12 Budget	YTD (at 3/31/2012)	2011-12 Projected	2012-13 Proposed Budget	2013-14 Estimated Budget
Treatment - South Haven Township								
	567							
Personnel Costs	\$ 44,171	\$ 44,677	\$ 49,812	\$ 53,027	\$ 38,271	\$ 53,027	\$ 67,428	\$ 68,777
Supplies	\$ -	\$ -	\$ 8,965	\$ 13,476	\$ 9,350	\$ 13,476	\$ 13,476	\$ 13,746
Admin/Computing/Equipment Fees	\$ 776	\$ 830	\$ 471	\$ 502	\$ 377	\$ 502	\$ 507	\$ 507
Contractual Services	\$ 750	\$ 2,953	\$ 35,968	\$ 5,580	\$ 6,004	\$ 5,580	\$ 5,500	\$ 5,610
Other Services and Charges	\$ -	\$ -	\$ 1,689	\$ 3,402	\$ 1,561	\$ 3,402	\$ 2,920	\$ 2,978
Utilities	\$ 398	\$ 429	\$ 16,650	\$ 24,500	\$ 18,296	\$ 24,500	\$ 24,500	\$ 24,990
Repairs and Maintenance	\$ -	\$ -	\$ 3,986	\$ 1,395	\$ 1,175	\$ 1,395	\$ 1,395	\$ 1,423
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Treatment - SH Twp	\$ 46,095	\$ 48,889	\$ 117,542	\$ 101,882	\$ 75,033	\$ 101,882	\$ 115,726	\$ 118,030
Percentage Change		N/A	140.4%			-13.3%	13.6%	2.0%
Treatment - Covert								
	568							
Personnel Costs	\$ 53,186	\$ 53,680	\$ 59,839	\$ 58,359	\$ 45,740	\$ 58,359	\$ 64,434	\$ 65,723
Supplies	\$ -	\$ -	\$ 3,663	\$ 5,506	\$ 3,896	\$ 5,506	\$ 5,506	\$ 5,616
Admin/Computing/Equipment Fees	\$ 806	\$ 867	\$ 995	\$ 864	\$ 648	\$ 864	\$ 878	\$ 878
Contractual Services	\$ -	\$ 2,953	\$ 16,026	\$ 2,280	\$ 2,492	\$ 2,280	\$ 2,750	\$ 2,805
Other Services and Charges	\$ -	\$ -	\$ 793	\$ 1,192	\$ 650	\$ 1,192	\$ 1,262	\$ 1,287
Utilities	\$ 7,568	\$ 8,150	\$ 19,072	\$ 17,210	\$ 13,259	\$ 17,210	\$ 17,710	\$ 18,064
Repairs and Maintenance	\$ 2,621	\$ -	\$ 1,629	\$ 570	\$ 489	\$ 570	\$ 570	\$ 581
Capital Outlay	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total Treatment - Covert	\$ 64,181	\$ 65,650	\$ 102,017	\$ 85,981	\$ 67,175	\$ 85,981	\$ 93,110	\$ 94,955
Percentage Change		N/A	55.4%			-15.7%	8.3%	2.0%
Administration								
	561							
Personnel Costs	\$ 135,760	\$ 151,643	\$ 149,960	\$ 147,308	\$ 89,871	\$ 147,308	\$ 124,217	\$ 126,701
Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Admin/Computing/Equipment Fees	\$ 38,671	\$ 41,728	\$ 43,080	\$ 43,080	\$ 32,310	\$ 43,080	\$ 43,180	\$ 43,180
Payment in Lieu of Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractual Services	\$ 9,915	\$ 7,145	\$ 7,679	\$ 5,500	\$ 4,566	\$ 5,500	\$ 5,500	\$ 5,610
Other Services and Charges	\$ 106,997	\$ 116,648	\$ 90,730	\$ 118,238	\$ 96,488	\$ 118,238	\$ 118,238	\$ 120,603
Capital Outlay	\$ -	\$ -	\$ 98	\$ -	\$ -	\$ -	\$ -	\$ -
Total Administration	\$ 291,343	\$ 317,164	\$ 291,547	\$ 314,126	\$ 223,235	\$ 314,126	\$ 291,135	\$ 296,094
Percentage Change		8.9%	-8.1%			7.7%	-7.3%	1.7%
Debt Service								
	905							
Debt Service	\$ 120,616	\$ 45,309	\$ 41,245	\$ 66,866	\$ 66,590	\$ 66,866	\$ 65,691	\$ 65,691
Total Debt Service	\$ 120,616	\$ 45,309	\$ 41,245	\$ 66,866	\$ 66,590	\$ 66,866	\$ 65,691	\$ 65,691
Percentage Change		-62.4%	-9.0%			62.1%	-1.8%	0.0%
Transfer Out								
	965							
Operating Transfers Out	\$ 585,775	\$ 1,102,422	\$ 1,138,355	\$ 1,287,608	\$ 1,483,685	\$ 1,287,608	\$ 1,376,795	\$ 1,376,795
Total Transfer Out	\$ 585,775	\$ 1,102,422	\$ 1,138,355	\$ 1,287,608	\$ 1,483,685	\$ 1,287,608	\$ 1,376,795	\$ 1,376,795
Percentage Change		88.2%	3.3%			13.1%	6.9%	0.0%
Total Expenditures								
Personnel Costs	\$ 691,546	\$ 725,960	\$ 753,800	\$ 788,516	\$ 530,499	\$ 788,516	\$ 764,491	\$ 779,781
Supplies	\$ 208,426	\$ 213,555	\$ 180,179	\$ 187,645	\$ 134,088	\$ 187,645	\$ 193,842	\$ 197,719
Admin/Computing/Equipment Fees	\$ 77,037	\$ 81,676	\$ 101,051	\$ 99,801	\$ 74,851	\$ 99,801	\$ 101,036	\$ 101,052
Payment in Lieu of Taxes	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contractual Services	\$ 247,722	\$ 233,000	\$ 309,766	\$ 112,335	\$ 88,666	\$ 112,335	\$ 133,320	\$ 135,986
Other Services and Charges	\$ 143,531	\$ 165,266	\$ 106,557	\$ 154,989	\$ 122,275	\$ 154,989	\$ 156,339	\$ 159,466
Utilities	\$ 174,901	\$ 166,411	\$ 188,240	\$ 198,338	\$ 136,707	\$ 198,338	\$ 201,136	\$ 205,159
Repairs and Maintenance	\$ 95,954	\$ 28,268	\$ 30,436	\$ 27,426	\$ 19,041	\$ 27,426	\$ 22,456	\$ 22,905
Depreciation	\$ 182,679	\$ 191,201	\$ 195,684	\$ 575,000	\$ -	\$ 575,000	\$ 575,000	\$ 586,500
Capital Outlay	\$ 31,115	\$ 150	\$ (1,243)	\$ 217,974	\$ 2,369	\$ 217,974	\$ 245,000	\$ 229,500
Debt Service	\$ 120,616	\$ 45,309	\$ 41,245	\$ 66,866	\$ 66,590	\$ 66,866	\$ 65,691	\$ 65,691
Operating Transfers Out	\$ 585,775	\$ 1,102,422	\$ 1,138,355	\$ 1,287,608	\$ 1,483,685	\$ 1,287,608	\$ 1,376,795	\$ 1,376,795
Total	\$ 2,559,301	\$ 2,953,219	\$ 3,044,069	\$ 3,716,498	\$ 2,658,771	\$ 3,716,498	\$ 3,835,106	\$ 3,860,554
Percentage Change		15.4%	3.1%			22.1%	3.2%	0.7%

591 Analysis

WATER REVENUES

Acct No	Account Description		2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget	Revenue Increase	% increase
591-000-631-000	CONNECTION FEES	DEBT	3.00	5,530.00	2,200.00	9,000.00	5,500.00	5,610.00	110.00	2%
591-000-631-001	AVAILABILITY FEE-PLANT	DEBT	69,506.00	75,550.00	127,422.00	85,200.00	80,000.00	81,600.00	1,600.00	2%
591-000-631-002	AVAILABILITY FEE- WATER SYSTEM	DEBT	1,750.00	13,980.00	2,750.00	12,775.00	12,000.00	12,240.00	240.00	2%
591-000-642-002	CASCO - USAGE	OPER	82,980.71	75,000.97	80,002.18	79,770.45	80,000.00	85,760.00	5,760.00	7.20%
591-000-642-003	WATER FEES - CITY	OPER	578,421.85	587,093.23	643,380.09	631,552.72	651,383.00	698,282.58	46,899.58	7.20%
591-000-642-005	CAPITAL REPLACEMENT FEES	CAPITAL	66,057.38	69,148.71	69,906.04	48,687.01	51,100.00	76,650.00	25,550.00	50%
591-000-642-006	CAPITAL IMPROVEMENT FEES	CAPITAL	30,838.40	102,627.02	101,927.47	102,709.33	108,000.00	162,000.00	54,000.00	50%
591-000-642-007	CITY - PLANT REPLACEMENT	DEBT	-	254,233.49	541,045.11	586,960.70	589,000.00	766,878.00	177,878.00	30.2%
591-000-642-008	CITY - RTS	OPER	196,212.94	206,132.14	211,981.35	214,558.86	225,000.00	270,000.00	45,000.00	20%
591-000-642-009	CASCO - RTS	OPER	29,546.67	32,035.62	33,211.50	34,139.14	36,000.00	43,200.00	7,200.00	20%
591-000-642-010	CASCO - PLANT REPLACEMENT	DEBT	-	39,575.12	84,857.55	93,620.28	94,000.00	122,388.00	28,388.00	30.2%
591-000-642-011	CASCO - CAPITAL REPLACEMENT	CAPITAL	9,910.13	10,755.50	10,963.67	7,757.84	8,200.00	12,300.00	4,100.00	50%
591-000-642-012	SH TWSP - USAGE	OPER	167,009.48	171,493.73	195,135.62	189,964.07	197,000.00	211,184.00	14,184.00	7.20%
591-000-642-013	SH TWSP - RTS	OPER	57,807.51	62,680.02	64,705.18	65,741.65	69,000.00	82,800.00	13,800.00	20%
591-000-642-014	SH TWSP - PLANT REPLACEMENT	DEBT	-	77,336.91	165,226.35	180,171.98	178,200.00	232,016.40	53,816.40	30.2%
591-000-642-015	SH TWSP - CAPITAL REPLACEMENT	CAPITAL	19,423.88	21,049.36	21,359.77	14,949.87	15,700.00	23,550.00	7,850.00	50%
591-000-642-016	COVERT - USAGE	OPER	123,109.74	114,730.69	129,903.94	132,369.39	130,000.00	139,360.00	9,360.00	7.20%
591-000-642-017	COVERT - RTS	OPER	1,327.75	43,776.20	52,248.81	53,572.92	52,000.00	62,400.00	10,400.00	20%
591-000-642-018	COVERT - CAPITAL REPLACEMENT	CAPITAL	441.78	14,700.36	17,240.33	12,195.70	12,700.00	19,050.00	6,350.00	50%
591-000-642-019	COVERT - PLANT REPLACEMENT	DEBT	-	60,742.77	133,469.79	146,695.32	144,000.00	187,488.00	43,488.00	30.2%
Total Revenues							2,738,783.00	3,294,756.98	555,973.98	

DEBT SERVICE

Acct No	Account Description		2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget	Revenue Increase	% increase	Meter Equiv
DEBT SERVICE		FIXED CHARGE/VARIABLE REVENUE									
591-000-631-000	CONNECTION FEES	DEBT	3.00	5,530.00	2,200.00	9,000.00	5,500.00	5,610.00	110.00	2%	
591-000-631-001	AVAILABILITY FEE-PLANT	DEBT	69,506.00	75,550.00	127,422.00	85,200.00	80,000.00	81,600.00	1,600.00	2%	
591-000-631-002	AVAILABILITY FEE- WATER SYSTEM	DEBT	1,750.00	13,980.00	2,750.00	12,775.00	12,000.00	12,240.00	240.00	2%	
			71,259.00	95,060.00	132,372.00	106,975.00	97,500.00	99,450.00	1,950.00		
		FIXED CHARGE					5/8" METER=12.75	5/8" METER=16.60			
591-000-642-007	CITY - PLANT REPLACEMENT	DEBT	-	254,233.49	541,045.11	586,960.70	589,000.00	766,878.00	177,878.00	30.2%	3,849
591-000-642-010	CASCO - PLANT REPLACEMENT	DEBT	-	39,575.12	84,857.55	93,620.28	94,000.00	122,388.00	28,388.00	30.2%	614
591-000-642-014	SH TWSP - PLANT REPLACEMENT	DEBT	-	77,336.91	165,226.35	180,171.98	178,200.00	232,016.40	53,816.40	30.2%	1,164
591-000-642-019	COVERT - PLANT REPLACEMENT	DEBT	-	60,742.77	133,469.79	146,695.32	144,000.00	187,488.00	43,488.00	30.2%	941
			-	431,888.29	924,598.80	1,007,448.28	1,005,200.00	1,308,770.40	303,570.40		6,568
	TOTAL DEBT RELATED REVENUE		71,259.00	526,948.29	1,056,970.80	1,114,423.28	1,102,700.00	1,408,220.40	305,520.40		
591-965-999-372	OPER TRANS - WTR PLANT DEBT		-	525,796.29	1,046,086.80	1,092,499.28	1,252,608.00	1,341,795.00			
591-905-991-000	DEBT SERVICE - PRINCIPAL		20,000.00	20,000.00	20,000.00	20,000.00	25,000.00	25,000.00			
591-905-995-000	DEBT SERVICE - INTEREST		19,052.50	94,733.42	19,425.96	14,892.08	15,513.00	14,338.00			
591-905-995-002	AMORTIZATION EXPENSE		-	25,882.70	25,882.70	26,352.70	26,353.00	26,353.00			
DEBT SERVICE			39,052.50	666,412.41	1,111,395.46	1,153,744.06	1,319,474.00	1,407,486.00			
	DEBT OVER (UNDER) FUNDED		32,206.50	(139,464.12)	(54,424.66)	(39,320.78)	(216,774.00)	734.40			

Wendy Hochstedler:
Breakeven point on Debt Coverage

OPERATIONS

		2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget	2012-13 Proposed Budget	Revenue Increase	% increase	
VARIABLE CHARGE										
591-000-642-002	CASCO - USAGE	OPERATI	82,980.71	75,000.97	80,002.18	79,770.45	80,000.00	85,760.00	5,760.00	7.20%
591-000-642-003	WATER FEES - CITY	OPERATI	578,421.85	587,093.23	643,380.09	631,552.72	651,383.00	698,282.58	46,899.58	7.20%
591-000-642-012	SH TWSP - USAGE	OPERATI	167,009.48	171,493.73	195,135.62	189,964.07	197,000.00	211,184.00	14,184.00	7.20%
591-000-642-016	COVERT - USAGE	OPERATI	123,109.74	114,730.69	129,903.94	132,369.39	130,000.00	139,360.00	9,360.00	7.20%
			951,521.78	948,318.62	1,048,421.83	1,033,656.63	1,058,383.00	1,134,586.58		
FIXED CHARGE										
591-000-642-008	CITY - RTS	OPERATI	196,212.94	206,132.14	211,981.35	214,558.86	225,000.00	270,000.00	45,000.00	20%
591-000-642-009	CASCO - RTS	OPERATI	29,546.67	32,035.62	33,211.50	34,139.14	36,000.00	43,200.00	7,200.00	20%
591-000-642-013	SH TWSP - RTS	OPERATI	57,807.51	62,680.02	64,705.18	65,741.65	69,000.00	82,800.00	13,800.00	20%
591-000-642-017	COVERT - RTS	OPERATI	1,327.75	43,776.20	52,248.81	53,572.92	52,000.00	62,400.00	10,400.00	20%
			284,894.87	344,623.98	362,146.84	368,012.57	382,000.00	458,400.00		
	TOTAL OPERATIONS RELATED REVENUE		1,236,416.65	1,292,942.60	1,410,568.67	1,401,669.20	1,440,383.00	1,592,986.58		
OPERATIONS - CITY										
	NET OF DEPREC & CAPITAL COSTS	558	481,917.93	497,285.43	544,228.72	402,460.11	387,008.00	399,577.00		
	OPERATIONS-CASCO TWP	563	37,201.06	21,486.07	29,305.72	35,484.73	47,344.00	47,186.00		
	OPERATIONS-SH TWP	564	44,004.50	28,736.11	46,108.56	50,715.32	61,882.00	61,608.00		
	OPERATIONS-COVERT TWP	565	88,353.38	115,351.35	58,629.80	58,217.65	71,440.00	71,320.00		
	OPERATIONS TOTAL		651,476.87	662,858.96	678,272.80	546,877.81	567,674.00	579,691.00		
TREATMENT - CITY										
	TREATMENT-CASCO TWP	566	16,168.81	18,297.94	20,307.39	63,186.29	55,284.00	61,842.00		
	TREATMENT-SH TWP	567	41,606.22	46,095.10	48,889.08	117,541.51	101,882.00	115,726.00		
	TREATMENT-COVERT	568	68,970.39	65,715.81	65,649.83	102,017.26	86,051.00	93,110.00		
	TREATMENT TOTAL		624,793.44	692,131.87	618,850.69	831,701.35	687,320.00	721,794.00		
ADMINISTRATION - CITY										
		561	227,493.09	291,342.99	317,163.83	291,547.00	314,126.00	291,135.00		
	GRAND TOTAL OPERATIONS RELATED		1,503,763.40	1,646,333.82	1,614,287.32	1,670,126.16	1,569,120.00	1,592,620.00		
	OPERATIONS OVER (UNDER) FUNDED		(267,346.75)	(353,391.22)	(203,718.65)	(268,456.96)	(128,737.00)	366.58		

Wendy Hochstedler:
Breakeven point on
Operations Coverage

CAPITAL COST RELATED

			2007-08 Pri Year 4 Actual	2008-09 Pri Year 3 Actual	2009-10 Pri Year 2 Actual	2010-11 Pri Year Actual	2011-12 Cur Year Projected Budget 5/8" METER=1.11	2012-13 Proposed Budget 5/8" METER=1.67	Revenue Increase	% increase
591-000-642-005	CAPITAL REPLACEMENT FEES	CAPITAL	66,057.38	69,148.71	69,906.04	48,687.01	51,100.00	76,650.00	25,550.00	50%
591-000-642-011	CASCO - CAPITAL REPLACEMENT	CAPITAL	9,910.13	10,755.50	10,963.67	7,757.84	8,200.00	12,300.00	4,100.00	50%
591-000-642-015	SH TWSP - CAPITAL REPLACEMENT	CAPITAL	19,423.88	21,049.36	21,359.77	14,949.87	15,700.00	23,550.00	7,850.00	50%
591-000-642-018	COVERT - CAPITAL REPLACEMENT	CAPITAL	441.78	14,700.36	17,240.33	12,195.70	12,700.00	19,050.00	6,350.00	50%
			95,833.17	115,653.93	119,469.81	83,590.42	87,700.00	131,550.00	43,850.00	
							5/8" METER=2.34	5/8" METER=3.51		
591-000-642-006	CAPITAL IMPROVEMENT FEES	CAPITAL	30,838.40	102,627.02	101,927.47	102,709.33	108,000.00	162,000.00	54,000.00	50%
	TOTAL CAPITAL RELATED REVENUE		126,671.57	218,280.95	221,397.28	186,299.75	195,700.00	293,550.00	97,850.00	
591-558-968-000	DEPRECIATION EXPENSE		174,842.69	182,679.41	191,200.74	195,683.61	575,000.00	575,000.00		
591-558-972-000	WATER SYSTEM CONSTRUCTION		12,146.00	235,585.17	191,441.64	163,200.01	190,374.00	225,000.00		
591-558-972-001	WATER SYSTEM EQUIPMENT		10,538.32	25,431.83	-	-	27,600.00	-		
	CAPITAL ASSET RELATED EXPENSE		197,527.01	443,696.41	382,642.38	358,883.62	792,974.00	800,000.00		
	CAPITAL RELATED OVER (UNDER) FUNDED		(70,855.44)	(225,415.46)	(161,245.10)	(172,583.87)	(597,274.00)	(506,450.00)		
	Total Overall Revenues (agree with section above)						2,738,783.00	3,294,756.98	555,973.98	

Wendy Hochstedler:
Shortfall on Capital Asset
coverage

Monthly Usage in Cu. Ft.	1000
Current Water Rate per 100 Cu. Ft.	1.99
Proposed Water Rate per 100 Cu. Ft.	2.13
Current Sewer Rate per 100 Cu. Ft.	2.53
Proposed Sewer Rate per 100 Cu. Ft.	2.53
Water Meter Size	5/8"
Monthly Electric Usage - KWH	750
Current Rate per KWH	0.100
Proposed Rate per KWH	0.100

<u>City Customers</u>	<u>Current</u>	<u>Proposed</u>	<u>Change</u>	<u>Percent Change</u>
Water Usage	19.90	21.33	1.43	7.20%
Water Capital Replacement	1.11	1.67	0.56	50.00%
Water Ready-To-Serve	4.90	5.88	0.98	20.00%
Water Capital Improvement	2.34	3.51	1.17	50.00%
Water Plant Debt Service	12.75	16.60	3.85	30.20%
Sewer Usage	25.30	25.30	-	0.00%
Sewer Capital Replacement	1.68	1.68	-	0.00%
Sewer Ready-To-Serve	7.03	7.03	-	0.00%
Sewer Debt Service	4.80	4.80	-	0.00%
Sewer Capital Improvement	5.13	5.13	-	0.00%
Electric Usage	75.00	75.00	-	0.00%
Basic Electric Charge	5.50	5.50	-	0.00%
Total Utility Bill	165.44	173.43	\$ 7.99	4.83%
Total Water Bill	41.00	48.99	7.99	19.48%
Total Sewer Bill	43.94	43.94	-	0.00%
Total Electric Bill	80.50	80.50	-	0.00%
	165.44	173.43	7.99	19.48%

<u>South Haven Township</u>	<u>Current</u>	<u>Proposed</u>	<u>Change</u>	<u>Percent Change</u>
Water Usage	19.90	21.33	1.43	7.20%
Water Capital Replacement	1.11	1.67	0.56	50.00%
Water Ready-To-Serve	4.90	5.88	0.98	20.00%
Water Plant Debt Service	12.75	16.60	3.85	30.20%
Water Authority Debt Service	13.00	13.00	-	0.00%
Sewer Usage	25.30	25.30	-	0.00%
Sewer Capital Replacement	1.68	1.68	-	0.00%
Sewer Ready-To-Serve	7.03	7.03	-	0.00%
Sewer Authority Debt Service	18.00	18.00	-	0.00%
Electric Usage	75.00	75.00	-	0.00%
Basic Electric Charge	5.50	5.50	-	0.00%
Total Utility Bill	184.17	190.99	\$ 6.82	3.70%
Total Water Bill	51.66	58.48	6.82	13.20%
Total Sewer Bill	52.01	52.01	-	0.00%
Total Electric Bill	80.50	80.50	-	0.00%

<u>Casco Township</u>	<u>Current</u>	<u>Proposed</u>	<u>Change</u>	<u>Percent Change</u>
Water Usage	19.90	21.33	1.43	7.20%
Water Capital Replacement	1.11	1.67	0.56	50.00%
Water Ready-To-Serve	4.90	5.88	0.98	20.00%
Water Plant Debt Service	12.75	16.60	3.85	30.20%
Water Authority Debt Service	24.00	24.00	-	0.00%
Sewer Usage	25.30	25.30	-	0.00%
Sewer Capital Replacement	1.68	1.68	-	0.00%
Sewer Ready-To-Serve	7.03	7.03	-	0.00%
Sewer Authority Debt Service	36.00	36.00	-	0.00%
Total Utility Bill	132.67	139.49	\$ 6.82	5.14%
Total Water Bill	62.66	69.48	6.82	10.88%
Total Sewer Bill	70.01	70.01	-	0.00%

<u>Covert Township</u>	<u>Current</u>	<u>Proposed</u>	<u>Change</u>	<u>Percent Change</u>
Water Usage	19.90	21.33	1.43	7.20%
Water Capital Replacement	1.11	1.67	0.56	50.00%
Water Ready-To-Serve	4.90	5.88	0.98	20.00%
Water Plant Debt Service	12.75	16.60	3.85	30.20%
Total Covert Utility Bill	38.66	45.48	\$ 6.82	17.64%

<u>Geneva Township</u>	<u>Current</u>	<u>Proposed</u>	<u>Change</u>	<u>Percent Change</u>
Electric Usage	75.00	75.00	-	0.00%
Basic Electric Charge	5.50	5.50	-	0.00%
Total Utility Bill	80.50	80.50	\$ -	0.00%



City of South Haven

Agenda Item # 14

Project #109 – Blue Star Highway Line Rebuild

Background Information:

In 2008, PSE presented a 10-Year Plan to develop South Haven's Electric Distribution System. Two projects, #109 and #111, were budgeted and approved for completion this fiscal year. Project 109 encompasses upgrading three-phase aerial service for 0.5 miles along Blue Star Highway from the intersection of Business 196 to that of M43. As quoted from the report, "There are high loads on this 3/0 ACSR line section that can cause excessive voltage drop and limit the North circuit's capacity to provide back-up service to the Phoenix East area during system contingencies ..." This project is designed to re-conductor aerial line conductors from 3/0 to 336 ACSR. The other project, #111 encompasses the remaining 0.6 mile section along Blue Star Highway from the intersection of M43 north to 6th Avenue. This remaining short section should have its 3-phase conductors upgraded for the same reason as quoted above. Its 3-phase aerial line conductors will be upgraded to the same sized 336 ACSR as recommended in project #109.

Bid documents were prepared for one construction project including projects #109 and #111. On March 28, 2012, bids were opened for Bid Number 2012-04. A copy of the bid tabulation prepared by GRP Engineering is attached. Five (5) bids were received with CC Power submitting the low bid in the total amount of \$57,055.00. GRP Engineering has reviewed the bids and recommends the project be awarded to CC Power for the total amount of \$57,055.00.

Funds are included in the Fiscal Year 2011-12 budget for this project.

Recommendation:

Approve a recommendation to City Council to award Bid Number 2012-04 to CC Power in the amount of \$57,055.00. Labor and materials to be provided are defined in the contract documents prepared by GRP Engineering.

Support Material:

Bid Number 2012-04 Bid Tabulation
GRP Engineering Recommendation Letter

RESPECTFULLY SUBMITTED,
Bill Conklin
Electrical Engineer

BID TABULATION #2012-04

OWNER:
CITY OF SOUTH HAVEN
1199 8TH AVENUE
SOUTH HAVEN, MI 49090

#109 BLUE STAR HIGHWAYLINE REBUILD

ENGINEER:
GRP ENGINEERING, INC.
660 CASCADE W. PKWY STE 65
GRAND RAPIDS, MI 49512

BIDDERS	BID BOND	#109 BLUE STAR HIGHWAY	REMARKS
CC Power 3850 Beebe Road Kalkaska, MI 49646	5%	\$57,005.00	
SKF Contracting 10495 Deal Rd Williamsburg, MI 49690	5%	\$72,460.24	
Kent Power 90 Spring St Kent City, MI 49330	5%	\$77,522.15	
The Hydaker-Wheatlake Company 420 N. Roth Street Reed City, MI 49677	5%	\$96,873.67	
NG Gilbet 101 S. Main St Parker City, IN 47368	5%	\$112,830.96	
Newkirk Electric, Inc. 1875 Roberts Street Muskegon, MI 49442			No Bid
Henkels & McCoy 985 Jolly Rd Blue Bell, PA 19422			No Bid

This is to certify that at 1:00p.m., local time on Wednesday, March 28, 2012, the bids tabulated herein were publicly opened and read.

GRP Engineering, Inc.



 Robert A Shelley, P.E.

March 29, 2012
12-0467.01

Mr. Roger Huff
City of South Haven
1199 8th Ave.
South Haven, MI 49090

**RE: Blue Star Highway Line Rebuild
Bid Recommendation**

Dear Roger:

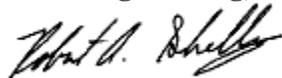
GRP Engineering, Inc. has completed reviewing the bids submitted on March 28, 2012 for the Blue Star Highway Line Rebuild project. Five of the seven contractors solicited for bids replied to the bid request. CC Power submitted the low bid for the project in the total amount of \$57,005.00.

CC Power has a history of successfully completing similar projects for South Haven and other municipal clients. Therefore GRP Engineering, Inc. sees no reason not to accept CC Power's bid for the above mentioned project.

CC Power took no exception to the bid documents. A complete bid tabulation is attached to this letter.

Please contact me at 616.942.7183 should you have any questions regarding this evaluation.

Sincerely,
GRP Engineering, Inc.



Robert A. Shelley, P.E.
Electrical Engineer



City of South Haven

Agenda Item # 15

Meter Tampering Policy and Fee

Background Information:

At the March 26, 2012 regular meeting, the board of Public Utilities requested to start the process of reviewing the tampering policy and fee. Following are excerpts from the Utilities Policies and Code of Ordinances that refer to tampering:

PUBLIC UTILITIES RULES, REGULATIONS AND POLICIES

Page 7, under the headings METERS AND METERING, Size, location, Protection:

This space shall be kept free and clear to provide easy access to the equipment for authorized persons. The customer shall protect the City's metering equipment from damage, and in the case of water meters, from freezing, and shall permit no person, other than an agent of the City or a person authorized by the City, to remove, inspect or **tamper** with the same. Should the metering equipment become damaged or destroyed through neglect of the customer, all costs of repair or replacement shall be charged to and payable by the customer.

Page 8, under the headings METERS AND METERING, Meter errors:

If a meter error is discovered, and the duration of the error is not known, it shall be assumed to have existed for a period of half the time between the discovery of the error and the latest preceding accurate read or meter test but not for a period of more than twelve (12) months. If meter **tampering** has occurred, the City may access a fee, as recommended by the Board of Public Utilities and approved by the City Council, which may be changed from time to time, for **tampering**. Please note; the City Code of Ordinances states that (Sec. 86-97. Protection from damage) no unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface or **tamper** with any structure, appurtenance, or equipment which is a part of the municipal sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct (Code 1965, Sec. 6.15).

Page 22, under the headings WATER and/or SANITARY SEWER (Common to both), WATER AND SEWER TAPS:

Permits for connecting to water mains and sanitary sewer main lines shall be obtained, for City properties, from the City of South Haven, and for connections

outside of the City, from the township hall in the applicable township of jurisdiction. Any connection to the public water or sewer mains, without the possession of a valid permit, will place the offender in violation of City Ordinance and may be subject to fines and/or imprisonment as provided. Please note; the City Code of Ordinances states that (Sec. 86-97. Protection from damage) no unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface or **tamper** with any structure, appurtenance, or equipment which is a part of the municipal sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct (Code 1965, Sec. 6.15).

CODE OF ORDINANCES

ARTICLE IV. SEWER SERVICE

DIVISION 1. GENERALLY

Sec. 86-97. Protection from damage.

No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface or **tamper** with any structure, appurtenance, or equipment which is a part of the municipal sewage works. Any person violating this provision shall be subject to immediate arrest under charge of disorderly conduct.

(Code 1965, Sec. 6.15)

Recommendation:

Board members are requested to provide comments at the April 30, 2012 regular meeting and in the weeks following. Comments from the Board and City staff will be compiled and presented to the City Manager and the City's Attorney to begin the process of preparing a new policy.

Support Material:

Resolution No. 2010-49 setting the meter tampering fee
City Manager's Report to City Council for Resolution No. 2010-49

CITY OF SOUTH HAVEN
VAN BUREN AND ALLEGAN COUNTIES, MICHIGAN

RESOLUTION NO. 2010-49

A RESOLUTION TO INCLUDE AN ADDENDUM TO THE
UTILITY POLICY SETTING THE METER TAMPERING FEE

Minutes of a regular meeting of the City Council of the City of South Haven, Van Buren and Allegan Counties, Michigan, held in the City Hall, 539 Phoenix Street, South Haven, Michigan 49090 on November 1, 2010 at 7:30 p.m. local time.

PRESENT: Bemis, Frost, Klavins, Patterson, Burr

ABSENT: Fitzgibbon, Kozlik Wall

The following preamble and resolution was offered by Member Bemis and supported by Member Klavins.

WHEREAS, City Council adopted the Public Utilities Rules, Regulations and Policies by Resolution 07-04 on January 15, 2007; and

WHEREAS, during their meeting on October 30, 2006, the Board of Public Utilities further reviewed imposing a fee for meter tampering and recommended its approval.

NOW, THEREFORE BE IT RESOLVED, that City Council establishes a Meter Tampering Fee of \$250, plus cost of recovery since the time of the infraction.

BE IT FURTHER RESOLVED, that this resolution shall be included as an addendum to the Public Utilities Rules, Regulations and Policies.

BE IT FURTHER RESOLVED, that this resolution shall take effect upon passage by the City Council.

RECORD OF VOTE:

Yeas: Bemis, Frost, Klavins, Patterson, Burr

Nays: None

RESOLUTION DECLARED ADOPTED.


Robert G. Burr, Mayor


Amanda Morgan, City Clerk

CERTIFICATION

I hereby certify that the foregoing is a true and complete copy of a resolution adopted by the City Council at a meeting held on the 1st day of November, 2010, at which meeting a quorum was present, and that this resolution was ordered to take immediate effect. Public notice of said meeting was given pursuant to and in compliance with the Open Meetings Act, Act No. 167 of the Public Acts of Michigan 1976 (MCL 15.261 *et seq*).


Amanda Morgan, City Clerk



Agenda Item 11

Utility Policy Amendment; Meter Tampering

Background Information:

The City Council will be asked to consider a resolution which, if adopted, will amend the adopted Utility Policy, creating a meter tampering fee.

At the December 18, 2006, the Board of Public Utilities (BPU) recommended that City Council approve the "Rules, Regulations and Policies" for the City's public utility operations (Utility Policy). On January 15, 2007, the City Council of the City of South Haven adopted the Utility Policy.

Under the "Meters and Metering" section of the Utility Policy, meter tampering is addressed as follows:

"If meter tampering has occurred, the City may assess a fee, as recommended by the Board of Public Utilities and approved by City Council, which may be changed from time to time, for tampering."

At the October 30, 2006 regular meeting, the BPU discussed meter tampering fines and recommended a \$250 fine, plus cost of recovery since the time of the infraction. Unfortunately the meter tampering charge was overlooked as part of the Utility Policy adoption. Staff recently began to discuss the possible use of the tampering fine and realized it has not yet been formally adopted. As a result, staff is recommending that the Utility Policy be updated to include the fine.

Recommendation:

The City Council should consider a motion to adopt Resolution #2010-49: A Resolution to include an addendum to the Utility Policy, setting the meter tampering fee.

Support Material:

Staff Report
Resolution #2010-49, Utility Policy Amendment
BPU Meeting Minutes