

Board of Public Utilities

Regular Meeting Agenda

Monday, June 25, 2012
4:00 p.m., DPW Conference Room, 1199 8th Avenue



City of South Haven

1. Call to Order
2. Roll Call
3. Election of Board Chairman
4. Approval of Agenda
5. Approval of Minutes – April 30, 2012
6. Interested Citizens in the Audience Will be Heard on Items Not on the Agenda

REPORTS

7. **Cost of Energy from Indiana-Michigan Power Company (AEP)**
 - A. 2012 Billings – All Charges
 - B. 2011 Billings – All Charges
8. **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
9. **Water Filtration Plant Construction Project**
 - A. Fishbeck, Thompson, Carr & Huber Monthly Status Report 44 was previously transmitted electronically to the Board on June 11, 2012. This was the last report. Construction on the South Beach Improvements was completed. A copy is also included in the agenda packet.
 - B. South Beach Project Funding
10. **Indian Grove Infrastructure Project**
 - A. Sewer Study Progress Report
11. **Unresolved Issues Report**

NEW BUSINESS

12. Board will hear from Mike Salamun concerning the standby charges for reinstating a sprinkler meter.

13. Board will hear from Korrey Williams concerning the utility bill meter tampering charge.

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

15. Director's Comments

16. Board Member Comments

17. Adjourn

RESPECTFULLY SUBMITTED,

Roger Huff, P.E.
Public Works Director

South Haven Department of Public Works is Barrier-free and the City of South Haven will provide the necessary reasonable auxiliary aids and services for persons with disabilities, such as signers for the hearing impaired and audio tapes of printed materials being considered at the meeting to individuals with disabilities at the meeting upon seven (7) days notice to the South Haven City Clerk. Individuals with disabilities requiring services should contact the City Clerk by writing or calling South Haven City Hall at (269) 637-0750.

Board of Public Utilities

Regular Meeting Minutes

Monday, April 30, 2012
4:00 p.m., DPW Conference Room, 1199 8th Avenue



1. Call to Order by Stickland at 4:00 p.m.

2. Roll Call

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

Also present: Wendy Hochstedler, Finance Director; Kelly Steinman, Customer Service Manager

3. Approval of Agenda

Motion by Berry, second by Henry to approve the agenda as presented.

All in favor. Motion carried.

4. Approval of Minutes – March 26, 2012

Motion by Henry, second by Burr to approve the March 26, 2012 regular meeting minutes as presented.

All in favor. Motion carried.

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

Huff explained that Cobb received a tamper fee on her bill; when our crew went out to turn the electric back on after a winter turnoff they found it was already on.

Sue Cobb, 713 North Shore Drive, South Haven. Cobb said she had received a call from the utility asking if she wanted the electric on. Cobb said it was a summer residence until May 2010 when she moved up here permanently but went back for three (3) months to be closer to the kids. The person who opens and closes her property, John Tromatola, told her he had turned the electric on so he could blow the lines out in the fall. Burr asked if there was usage; Huff passed the paperwork on to Steinman who said there was 116 kilowatt hours usage from December 14, 2011 (shut off) to Feb 28, 2012 (turn on).

Stickland said the issue is not the usage but the meter tampering. Cobb said the contractor showed her what he did and like he said, he just turned a switch. Stickland said there could be a cut off on her side of the meter. Berry asked whether there was an intact seal on the meter; Huff noted that there was not. Huff stated that staff seals every meter they turn off. Steinman said we have had this problem with several contractors, but not this particular one. Stickland said the purpose of the tampering fee is to keep people from tampering with the electric meters.

Stein asked if there is any history of Tromatola calling in to have the meter turned on; there was not, per Steinman. Stickland asked if our staff is being more diligent now. Steinman said yes, because of this issue, staff is taking pictures and checking the seal etc. Steinman said it is all a part of safe practices on the part of the electric crew.

Burr says he is willing to forgive the tampering fee this year but if it happens again next year, there will be an automatic charge and it will not be forgiven. The board discussed the best way to get the information about meter tampering to the contractors. Cobb said she would be letting her contractor know. Stickland says we should be able to get the information to them from City Hall. Ransom, Building Department, will get the contact information for Plumbing and Electrical Officials to Stickland, Burr and Huff.

Burr stated that the City is not charging enough for utility turn off and turn on.

Motion by Henry, second by Berry to forgive the tampering fee for Ms. Cobb for this year only.

All in favor. Motion carried.

REPORTS

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

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

Berry asked if there is an automatic increase in the contract for demand charges. Stickland explained the increase is fixed in the contract; the increase is adjusted each year. Berry noted it is double what it used to be. Burr said we need to find night time customers, like second or third shifts. The board discussed smart metering.

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 reviewed the water fund comparisons. Burr noted that there was more billed than in the prior year but less was pumped. Berry noted we flushed a lot less March 2011 to March 2012. Steinman noted March is the month utility billing usually gets the actual reads after winter. Berry asked what changed in December in regards to the flushing that it went from two hundred (200) to sixty-eight (68). Huff said we reduced the amount of flushing.

After further discussion and questions, Huff stated that he also does a daily calculation when he is here and he was not here in December. Berry noted the percentage dropped, what caused that. Huff said the timers were set to flush less often. The board discussed the fact that chlorine dissipates less rapidly in colder temperatures.

Huff noted the months had the same number of days; Berry noted that January has 31 days and February has 28. Huff said the calculation is based on the days of the week that flushing occurs.

Stickland noted that in the financials he does not understand the transfers out but wondered why we budgeted for about half of what we actually transferred out. Hochstedler said that is the year-to-date budget but noted the transfers for the year; the difference between budget and actual is due to the overages on the Williams Street and Kal-Haven Trail projects. Hochstedler also noted Debt Service is in there which is usually transferred out along with a portion of the Special Assessments from the St. Joe Street project, but this time there were also overages.

Stickland pointed out that the Sewer Fund has the same issue. Hochstedler explained that is due to the same overages. After a question by Stein, Hochstedler noted that there are usually expenses incurred even if you do not sell anything. Huff pointed out pump repairs that were done also. Burr asked why Administrative Expenses went up by \$42,000. Rose asked about insurance costs which Hochstedler said she thinks is in Operating Expenses. Stickland asked what Administrative Expenses were; Hochstedler said she does not have those figures with her. Stickland asked why the Administrative personnel costs go up \$60,000 for the 2013 budget, then noted the board can get into that when we get to budget.

8. Water Filtration Plant Construction Project

A. Fishbeck, Thompson, Carr & Huber Monthly Status Report 43

Huff said South Beach construction paving is scheduled for May 9 and 10; and barricades will come down May 15. Berry asked about vandalism. Huff said there was fresh concrete which was damaged; the contractors were able to grind it out and fix it. Berry asked if the City is paying for the playground equipment. Huff noted that they same project manager did both projects. Berry asked why they did not do two reports. Fishbeck just continued on the report from the plant to the South Beach project, according to Huff. Berry said we need to have a paragraph indicating which project is which.

Burr said we have a question about who paid for the playground equipment. Huff will provide a breakout for the next meeting.

9. Indian Grove Infrastructure Project

A. Sewer Study Progress Report

Huff noted this report is from Abonmarche on the Indian Grove project; this is mostly data collection so the report has not changed much from last month. Berry asked if all the meters are in place; Huff said they have quite a few and noted that he got this information two weeks ago; according to the report seven (7) of the eleven (11) are in. Huff stated that this report will be included monthly. Berry asked if the other four (4) will be in for the season; Stein noted they could have been done in the last two weeks. Stickland noted he is looking forward to the information.

10. Unresolved Issues Report

Huff pointed out the new items this month. Huff has added the monthly report for the Indian Grove project; he is removing the lift station from the Unresolved Issues Report.

Stickland asked if GRP sent us any info. Huff said the City's data was passed on, but he doubts GRP has done much with it yet, noting that GRP has been pretty busy.

Burr asked if there was any progress in finding out whom at American Electric Power to contact during an outage. Burr noted that at this end, staff was not sure they had gotten through to the correct person to report the outage. American Electric Power has a different story; they were in the middle of a big outage, they claim the City staff got in touch with their call center and our rep. American Electric Power said the report they got was that the City was only experiencing bumps which take second place to an outage.

American Electric Power stated that City crews went out and cleared an energized line. Burr noted that what happened is a tree was cut down by crews the next day. Burr said in the daylight the tree was not in the lines due to the wind dying down. During the previous night, the tree kept blowing into the lines and the next day the tree was all charred and blackened from burning. Burr noted again that the tree was not in contact with an energized line when city crews cut down the tree. Stickland said American Electric Power is concerned about what the city did and the board is concerned about what the city perceives as American Electric Power's lack of concern about our problem of knowing who to call.

Berry asked if Stickland talked to the right guy; Stickland said, "I spoke to our rep and he will bring some associates up to have a meeting with us." Burr said the City needs to know who to call. Berry said the City needs to know how American Electric Power sets priorities. Stickland said the report American Electric Power got was that the City was having bumps, which Stickland described as a tree blowing into the line, causing blinks and re-closure. Stickland stated that even if the bumps happen repeatedly that does not get priority over an outage. Huff said he is not sure American Electric Power was fully aware of the severity of our problem due to not being able to contact the right person.

11. Electric Outage Report, 1st Quarter 2012

Burr is concerned that the number of outages caused by trees is going up; we have too many tree outages. Stickland noted that there were also too many faulty device outages. Stickland said rising tree outages are an indication of the need to review the tree trimming program; the failed devices are an indication of the line rebuild getting older and the need to start looking at another phase of rebuilding the system. Huff stated that GRP and Bill Conklin are going to look at a 5-year plan.

Huff said Priebe (City Arborist) circulates through the city and it takes about three years to get all the way through. Stickland asked if he works closely with the electric crews. Huff said "Yes, Priebe is part of our staff meetings." Burr asked what the split is between tree outages in the city and out of the city. Huff said that split cannot be determined by these reports. Burr said it would be nice to know; we kind of have two policies due to people outside the City wanting their trees trimmed so their power will not go off and the people in the City do not

want their trees trimmed. Stickland said the question is whether we want to have a different policy for in and out of the City.

Berry asked why, on the second graph (Customer Average Interruption Duration Index) the August reading went up and remained up. Huff will review with Bosscher and see how he gets those numbers. Berry noted that in August of 2010 it went up but not as much. Huff said 2010 is probably when we started using this new reporting system; he will check into that.

Stickland said for outage reasons, tree problems are staying pretty level. Stickland noted that you get different outcomes with different reports, which leads to the question of which report should be believed. Huff said Gordie Hull provides the data; the reports are put together by Ryan Bosscher. Stickland said the question is why they do not agree.

Stickland said the rebuild we started back in 1980 is getting old, thirty years old, we have some money put away that could be used for current rebuilding.

OLD BUSINESS

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

Hochstedler said the board voted some time ago on changing the policies for read and change. Regarding that, Halberstadt said in the minutes, "I was quoted as saying it would be okay." Hochstedler said she wanted to bring that discussion up because that policy change will create a nightmare in the Billing Department. Hochstedler noted that she brought Kelli Steinman, the Supervisor of the Billing Department to provide input and answers to questions. Hochstedler also noted that the new "Read and Change Policy" has not been brought to City Council yet because of that. Burr said some utility companies offer that service; provide an estimated read and start the new account with whatever that estimated read is. They do not send staff out to do a read.

Steinman said, "If you do make a change, make it clear and concise so it can be implemented." Hochstedler asked, "If the customer did the read, how would that work?" Steinman provided the scenario of a customer does the read and makes an error on the read (even our meter readers make errors) and provides that number to the landlord. Stickland said there used to be a high-low chart and it was not used. Steinman said it will bring a lot of issues to the Billing Department. The City will lose revenues. Steinman said there could be options like the customer could estimate the read, or read it themselves, or pay to have someone come out and read it. Kelly asked what would happen if the new property owner will not accept the read. Hochstedler gave the example of a renter leaving the water running and vacating the house, leaving the landlord to pay the high water bill created.

Rose asked what Hochstedler and Steinman would recommend. Kelly said her recommendation is to continue to do the read. Kelly explained that this procedure (shut off and turn on) goes through several departments and the fees barely cover costs. Stickland said the cost should determine the fee. Kelly says Halberstadt has recommended a fee of \$26.50 in his report.

Berry said the conversation was, "Can it not be done by one trip?" Kelly said it is done in one trip, with a \$15 fee charged for each service. Burr said a .5 hour is allotted for a read and change; maybe the utility cannot offer the service.

Steinman agrees that it would be good to have one fee for a read and change. After discussion and questions regarding who actually does the read, Steinman said the meter readers do the read and changes, so only one trip is made, because it seemed to fit into their work structure better than it fit into the electric crews' structure. Steinman noted that even if there is one charge two charges will appear on the bill; half will be applied to water and half to electric. Burr says just leave it alone until we get automated meter reading.

Motion by Burr to rescind the motion from the November 28, 2011 meeting which recommended a change to the meter reading policy. Second by Berry.

All in favor. Motion carried.

All in favor. Motion carried.

NEW BUSINESS

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

Hochstedler reviewed the Fiscal Year 2013 budgets, as provided on page seventy (70) of the Agenda packet.

Hochstedler adjusted purchased power by 5%. Stickland said it will wipe out the deficit. Burr said you can put the remainder under Capital Outlay. Hochstedler noted that there is a minimal amount of Capital Outlay in this budget.

Stickland was concerned that it would be falsifying the numbers but Hochstedler explained that amount can be taken out of the Purchased Power item and put it into Capital Outlay. Burr said we need another half a million dollars for projects.

Hochstedler noted that the figures Stickland was looking at were after the audit; right now there is no leeway for any kind of improvements. Huff said the one we have if we make it to Agenda Item #14 is the last big project in the 10-Year Plan. Hochstedler said if she did that transfer the Utility would have some money for a project that might come up.

Burr asked why there is a drop in Payment in Lieu of Taxes. Hochstedler said she does not think that is accurate and she will check on it for the final document; the fund revenue will equal expenses.

Hochstedler noted that the projected revenues for the Sewer Fund are about the same as last year. Hochstedler stated that she did an analysis of where we need to be in this fund to cover costs. For a number of years there have been certain areas that were not funded and some that were over-funded. No rate changes are recommended by Hochstedler at all in this fund. Hochstedler noted that there is minimal capital outlay in this fund for the Kalamazoo Street portion. There was a brief discussion regarding Reserves.

Stickland asked about the studies being done. Hochstedler noted that will not be in 2013.

Burr said a year from now, our big thing will be a bond for Kalamazoo Street. Stickland said we budgeted for Kalamazoo Street and he did not know the Board had approved that. Burr said there will be some paving from downtown Kalamazoo and out a couple of blocks. Hochstedler said Indian Grove is the question mark.

Hochstedler continued, "The Sewer Fund is over-funded by nearly \$30,000. There is an \$80,000 shortfall in Operations and \$136,000 in the Capital Asset area. When all are taken into consideration, Hochstedler recommends no changes.

On the Water Fund, Hochstedler noted that she again went through an analysis to see what rate changes might be necessary. Hochstedler said the components on the sample utility bill in the packet lays out what it takes to get even. If the rates are raised as recommended the coverage report shows a break-even point. Hochstedler reviewed the residential utility bill comparison on page seventy-eight (78) of the packet. The rate changes Hochstedler is proposing would just be to cover this Fiscal Year charges and try to get in line with the Operating, Debt-Service and Capital needs.

Burr said if you start this analysis in 2008 those two years would have been twenty-five (25) connections each. Burr stated that the whole bond was originally based on twenty-five (25) connections and then we went to sixty (60) connections and we exceeded that for the first two years. Burr asked if Hochstedler is trying to change the connection fee to which Hochstedler responded that City Manager Dissette told her to increase the connection fee by 2%. Burr stated that he would like to see the utility sit on the connection fee. Stein said if the utility bumps that fee up out in the township he will not be able to sell it. Hochstedler said she is okay with leaving the connection fee the same. Rose explained how it works in Covert. Burr asked if we can just leave the availability fee alone, to which Hochstedler replied that she can do that. Burr noted that on the horizon the City has a couple of large customers coming. Stein noted that Meijers is 24-hour use and the apartment complex in Casco is about 54 units. Stein said Casco's Master Plan is now going to allow the density the developer wants. Burr said the developer is pretty set on doing the complex. Stein said he thinks that bumping the connection fee up would be a deterrent to development.

Hochstedler noted that it does not look like revenues have covered Debt Service being shy nearly \$450,000 from 2009 to current. Hochstedler said that has to be made up; it is a fixed expense with principal and interest and she cannot go with 30% of it not being funded. Burr asked if the 8% increase will fund that and Hochstedler responded, "Yes." Rose asked for how long. Hochstedler said those increases should be sufficient to bring the Debt Service into at least a positive mode. Hochstedler said Operations has been under-funded for a number of years; on average an annual \$245,000/year. Hochstedler noted the increases are necessary to get to a break-even point. On Capital related expenses (Depreciation, Capital Improvements for the year) the fund is under funded by half a million dollars; Hochstedler noted that shortfall will have to be addressed in the future. Hochstedler repeated that depreciation has just not been being funded; with the new plant Hochstedler is not sure that is the way to go but is not comfortable increasing rates any more at this time. Hochstedler noted the changes she is recommending will be about an \$8 increase on the average residential utility bill; about a \$19.48 increase overall. There will be no change in Sewer, no change in Electric; those funds will remain where they are. Hochstedler noted that the board needs to keep in mind that we look forward to anything that will improve the cash flow

capabilities of the water fund. If Hochstedler takes the 2% increase for connection (only for new connections) fees out, Hochstedler hopes the board will be in support of the changes proposed.

Rose said we are charging more, will we be losing money by people using less water. Burr said we do not have a choice; the increase that is being recommended is necessary. Stickland said otherwise the utility has to subsidize it. Stickland noted our water is not cheap but it is there; it was extended out into the townships because some people could not get water. Rose noted that she understands but must make a statement for her residents. Stickland noted that we are a small system that provides expensive water. Burr said our electric sales stayed the same but our water use is dropping.

Motion by Burr, second by Berry to recommend approval of the rate increase as follows:

- 1.) No changes in sewer rate
- 2.) No changes in electric rate
- 3.) Water rate will increase approximately \$8.00 per average residential user
- 4.) The availability rate will remain the same.

All in favor. Motion carried.

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

Huff said this is the last large project in the 10-year plan; this was included in the budget. It is a half-mile segment and one 0.6-mile segment along Blue Star Hwy to update the conductors. Received five bids from the seven solicited.

Motion by Burr to award the Blue Star Highway Line Rebuild to CC Power for \$57,005.
Second by Berry.

All in favor. Motion carried.

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

Huff was requested to provide the policy on tampering to start the process of reviewing it. Included in your packet are all references to tampering from Board minutes, the City Council Resolution and the Manager's Report.

Huff is asking the Board to send him suggestions of definitions for tampering, suggested process of notification and suggested process of appeal to be sent to him over the next few weeks.

Burr said he thinks \$250 is too large of a fee for meter tampering. Theft of service is different than that. Burr said when the meters get shut off they do not get removed from the meter readers' route. On shut-off for non-pay they are still included on the meter readers' route. Burr suggested that the board needs to find out if other utilities have a different charge on theft of electricity and usage on a sealed meter. Burr said some companies leave the meter there so they can measure what is stolen. Berry noted that many people see the meter tampering fee as an affront that you would think they were stealing. Huff said the current

policy does not define much of anything; it was an administrative change to start charging the fee. Huff noted the meter tampering fee verbiage was in the policy although the amount was not approved by City Council until 2010.

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

Huff noted that last Thursday he went to the Efficiency United meeting, the provider of our energy optimization program. Burr stated that their presentation and group were very professional. Huff will provide the quarterly report at the next Board of Public Utilities meeting.

Stickland asked if the City met our goals and Burr noted that we had not met them yet. After comments about meeting them last year, Burr said extra light bulbs were handed out because there were not enough refrigerators recycled.

18. Board Member Comments

Rose noted that Covert Township has had their water tower painted. Dickson oversaw it, Halberstadt worked with us and Feedawa did the painting. Rose noted some repairs were one on the inside and some portions of the inside were painted.

19. Adjourn

Motion by Berry, second by Burr to adjourn at 6:18 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	SCPTA \$ 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
Main	10,627	1,593	10,746	0.9890	10,627	1,593	6,305,565	\$155,559.49	\$76,837.09											
Welder	332	293	443	0.7501	332	293	147,837	\$4,859.82	\$1,801.48											
Phoenix	6,679	902	6,739	0.9910	6,679	902	3,935,313	\$97,765.55	\$47,954.14											
Welder	9	32	34	0.2802	9	32	7,231	\$137.60	\$88.11											
Apr-12	17,647	2,820	17,871	0.9875	17,647	2,820	10,395,945	\$258,322.45	\$126,680.83	\$170,804.99	(\$14,733.10)	\$40,292.41	\$986.89	\$79,069.90	\$265.99	\$8,032.02	(\$1,177.43)	\$87,177.37	\$668,544.95	6.431
Main	14,868	3,529	15,281	0.9730	14,868	3,529	6,982,457	\$217,637.42	\$85,085.43											
Welder	9	22	23	0.3633	9	22	161,210	\$124.42	\$1,964.44											
Phoenix	11,010	3,754	11,633	0.9465	11,010	3,754	4,593,576	\$161,166.94	\$55,975.48											
Welder	9	23	25	0.3638	9	23	7,021	\$133.21	\$85.56											
May-12	25,896	7,328	26,913	0.9622	25,896	7,328	11,744,265	\$379,061.99	\$143,110.91	\$192,957.82	\$12,775.38	\$48,832.40	\$1,114.88	\$81,705.56	\$274.86	\$7,731.13	(\$1,641.24)	\$89,185.19	\$865,923.69	7.373

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	65,764	3,450,952	86.13%	86.57%
April	2012	32,927,000	4,402,005	31,678	68,972	3,378,738	86.74%	77.47%
May	2012	50,646,000	6,770,856	37,087	78,956	4,537,251	86.12%	67.01%
		<u>454,501,000</u>	<u>60,762,166</u>	<u>313,270</u>	<u>1,714,620</u>	<u>50,789,308</u>		
Prior Year-to-Date		475,859,000	63,617,513	813,537	1,991,046	51,858,236		
Two Years Prior		460,466,000	61,559,626	675,987	246,719	53,895,167		

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

compares
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<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	\$ 162,805	\$ 181,716	\$ 150,103	\$ (18,910)	\$ 12,703	\$ 1,834,855	\$ 1,998,871	\$ 1,789,081	\$ (164,017)	\$ 45,773	\$ 2,180,587	92%
IPP Revenues	12,518	6,608	16,883	5,910	(4,365)	78,348	72,692	80,160	5,656	(1,812)	79,300	108%
Interest Income	57	625	2,042	(568)	(1,985)	4,096	6,875	4,379	(2,779)	(283)	7,500	60%
Special Assessment Revenue	1,189	1,833	576	(644)	613	119,296	20,167	99,529	99,130	19,767	22,000	592%
Other Revenue	88,528	292	50	88,236	88,478	91,832	3,208	14,357	88,624	77,475	3,500	2862%
Total Revenues	\$ 265,097	\$ 191,074	\$ 169,654	\$ 74,023	\$ 95,444	\$ 2,128,427	\$ 2,101,813	\$ 1,987,506	\$ 26,614	\$ 140,921	\$ 2,292,887	

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	\$ 125,645	\$ 110,832	\$ 99,324	\$ 14,813	\$ 26,321	\$ 1,154,943	\$ 1,219,154	\$ 1,127,311	\$ (64,211)	\$ 27,631	\$ 1,329,986	95%
Property Tax Equivalents	7,317	7,317	7,307	0	9	80,483	80,483	80,381	(0)	103	87,800	100%
Capital Outlay	-	39,882	48,374	(39,882)	(48,374)	22,764	438,701	94,401	(415,938)	(71,638)	478,583	5%
Transfers Out	1,046	20,542	50,453	(19,495)	(49,407)	547,119	225,958	267,955	321,160	279,164	246,500	242%
Depreciation	22,083	22,083	20,379	-	1,705	242,917	242,917	224,166	-	18,750	265,000	100%
Administrative Expenses	19,867	20,637	20,740	(770)	(873)	268,960	227,012	214,298	41,948	54,662	247,649	118%
Total Expenses	\$ 175,958	\$ 221,293	\$ 246,577	\$ (45,335)	\$ (70,619)	\$ 2,317,185	\$ 2,434,225	\$ 2,008,513	\$ (117,040)	\$ 308,672	\$ 2,655,518	

Net Fund Change	\$ 89,139	\$ (30,219)	\$ (76,924)	\$ 119,358	\$ 166,063	\$ (188,758)	\$ (332,412)	\$ (21,007)	\$ 143,654	\$ (167,751)	\$ (362,631)	
						\$ 54,159	no depr				\$ (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%
April	2012	10,395,921	10,227,215	47,347	52,247	10,274,562	95.56%	98.83%
May	2012	11,744,237	10,681,872	44,415	52,218	10,726,287	95.19%	91.33%
		<u>131,280,518</u>	<u>123,776,188</u>	<u>588,295</u>		<u>124,364,483</u>		
Prior Year-to-date		129,793,259	122,994,896	585,963		123,580,859		
Two Years Prior		122,646,348	115,283,226	553,469		115,836,695		

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

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Revenues:	Month Actual	Monthly Budget	Prior year MTD	MTD Variance to Budget	MTD Variance to Prior Year	YTD Actual	YTD Budget	Prior YTD Actual	Variance to Budget	Variance to Prior Year	2011-12 Adpoted Budget	% of Budget
	1	2	3	4	5	6	7	8	9	10	11	
Electric Sales	\$ 1,023,196	\$ 1,130,689	\$ 897,353	\$ (107,492)	\$ 125,843	\$ 12,377,973	\$ 12,437,576	\$ 12,427,853	\$ (59,603)	\$ (49,880)	\$ 13,568,265	100%
Charges for Service	\$ 31,115	\$ 8,333	\$ 51,158	\$ 22,781	\$ (20,043)	\$ 158,873	\$ 91,667	\$ 103,523	\$ 67,206	\$ 55,350	\$ 100,000	173%
Interest Income	\$ 6,110	\$ 2,917	\$ 4,510	\$ 3,194	\$ 600	\$ 43,324	\$ 32,083	\$ 21,898	\$ 11,241	\$ 21,426	\$ 35,000	135%
Other Revenue	\$ 6,743	\$ 2,083	\$ 4,687	\$ 4,660	\$ 2,056	\$ 43,003	\$ 22,917	\$ 71,281	\$ 20,086	\$ (28,278)	\$ 25,000	188%
Transfers In	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	-
Total Revenues	\$ 1,067,165	\$ 1,144,022	\$ 958,708	\$ (76,857)	\$ 108,456	\$ 12,623,173	\$ 12,584,243	\$ 12,624,555	\$ 38,930	\$ (1,382)	\$ 13,728,265	
Expenses	Month Actual	Monthly Budget	Prior year MTD	MTD Variance to Budget	MTD Variance to Prior Year	YTD Actual	YTD Budget	Prior YTD Actual	Variance to Budget	Variance to Prior Year	2011-12 Adpoted Budget	% of Budget
Purchased Power	\$ 865,924	\$ 758,333	\$ 804,961	\$ 107,590	\$ 60,963	\$ 8,480,229	\$ 8,341,667	\$ 8,172,208	\$ 138,563	\$ 308,022	\$ 9,100,000	102%
Other Operating Expenses	\$ 131,810	\$ 143,527	\$ 176,807	\$ (11,717)	\$ (44,997)	\$ 1,758,093	\$ 1,578,799	\$ 1,520,749	\$ 179,294	\$ 237,344	\$ 1,722,326	111%
Property Tax Equivalents	\$ 52,312	\$ 52,312	\$ 51,167	\$ (0)	\$ 1,146	\$ 575,436	\$ 575,436	\$ 562,833	\$ 0	\$ 12,602	\$ 627,748	100%
Capital Outlay	\$ 76,034	\$ 51,213	\$ 81,928	\$ 24,821	\$ (5,893)	\$ 529,476	\$ 563,345	\$ 165,701	\$ (33,869)	\$ 363,775	\$ 614,558	94%
Transfers Out	\$ -	\$ 14,759	\$ -	\$ (14,759)	\$ -	\$ 153,767	\$ 162,344	\$ 186,237	\$ (8,576)	\$ (32,470)	\$ 177,102	95%
Depreciation	\$ 40,500	\$ 40,500	\$ 39,510	\$ -	\$ 990	\$ 445,500	\$ 445,500	\$ 434,614	\$ -	\$ 10,886	\$ 486,000	100%
Administrative Expenses	\$ 68,347	\$ 70,677	\$ 63,475	\$ (2,330)	\$ 4,872	\$ 798,832	\$ 777,448	\$ 664,030	\$ 21,385	\$ 134,803	\$ 848,125	103%
Total Expenses	\$ 1,234,928	\$ 1,131,322	\$ 1,217,848	\$ 103,606	\$ 17,080	\$ 12,741,334	\$ 12,444,537	\$ 12,254,646	\$ 296,796	\$ 486,688	\$ 13,575,859	
Net Fund Change	\$ (167,763)	\$ 12,701	\$ (259,140)	\$ (180,463)	\$ 91,377	\$ (118,161)	\$ 139,706	\$ 369,909	\$ (257,866)	\$ (488,070)	\$ 152,406	

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

Report 44

**May 21, 2012
Project No. G07734ED**



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

**CITY OF SOUTH HAVEN
WATER PLANT PROJECTS
MONTHLY PROGRESS REPORT NO. 44**

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

**MAY 21, 2012
PROJECT NOS. G07734ED/G07734WP**

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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

May 21, 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. 44 for the period ending May 18, 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

- Completed electrical service.
- Completed dumpster enclosure near bottom of stairs.
- Finished grading/built additional retaining wall at sidewalk near bottom of stairs.
- Installed precast retaining wall, serpentine wall, and ship's bow picnic areas.
- Installed miscellaneous fixture such as bike racks, trash cans, picnic tables, etc.
- Constructed new playground equipment.
- Installed landscaping trees and dune grass plantings.
- Installed decorative fencing/gate.
- Installed new parking pay station terminals.
- Completed final grading and cleanup.
- Completed asphalt paving.
- Completed parking lot striping.
- Removed construction barricades.
- Re-opened South Beach parking lot to the public.

WORK IN PROGRESS DURING THE CURRENT REPORTING PERIOD

- Final punch list items.

WORK ANTICIPATED FOR THE NEXT REPORTING PERIOD

- Completion of all punch list items.

CHANGES IN SCOPE IDENTIFIED DURING THE PERIOD

- None.

ISSUES IMPACTING COST AND SCHEDULE

- None.

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 May 21, 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 May 21, 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 May 21, 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 May 21, 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 May 21, 2012	\$540,267.20

Project Billing Summary
Water Filtration Plant
Application 36

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	\$15,576,270.30	\$44,970.44	99.7%
South Haven/Existing Plant Demo	G07734ED	\$287,135.74	\$ 1,350.88	\$288,486.62	\$257,476.97	\$31,009.65	89.7%
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	\$19,017,398.56	\$692,475.02	96.5%

PHOTOGRAPHS



Base Course Asphalt Paving



Parking Lot Striping



Playground Equipment



Parking Lot Striping



Portable Beach Access Pad



Asphalt Paving



Precast Concrete Retaining Wall

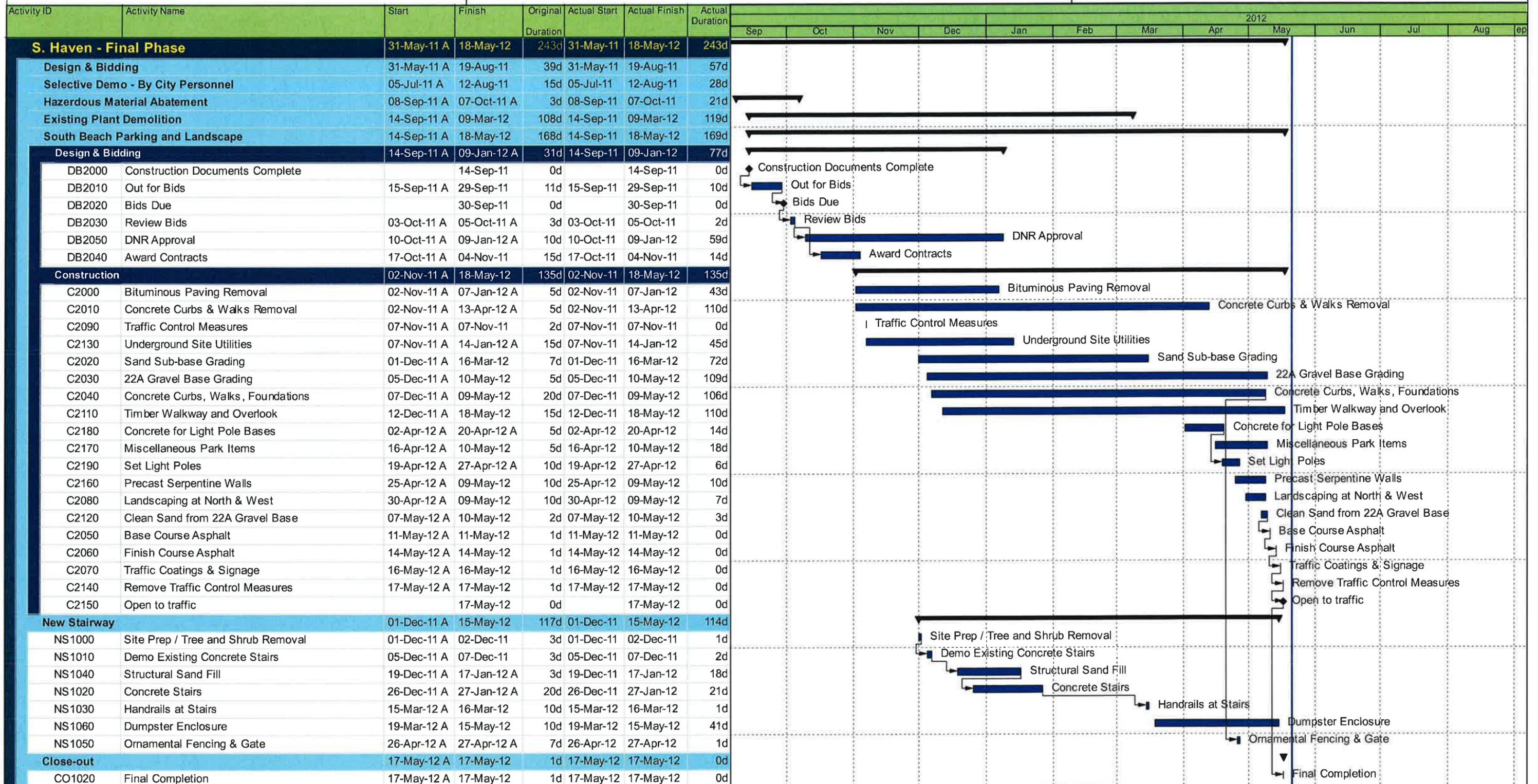


Landscaping – Dune Grass Planting



Parking Pay Station

SCHEDULE



■ Actual Work ◆ Milestone
■ Remaining Work ─ Summary
■ Critical Remaining Work

Date	Revision	Checked	Approved
23-Apr-12	Updated for Progress Mtg. on 4/24/12	X	RJO
11-May-12	Updated after Progress Mtg. on 5/8/12	X	RJO
21-May-12	Final Update for Monthly Report on 5/21/12	X	RJO



City of South Haven

Agenda Item # 9B

South Beach Project Funding

Background Information:

At the April 25, 2012 regular meeting of the Board of Public Utilities, during the discussion of the Fishbeck, Thompson, Carr & Huber Monthly Status Report, the question was raised concerning the payment for the South Beach Improvements project and playground equipment and payment for the Water Filtration Plant project.

Payments for the South Beach Improvements are from a Capital Projects Fund. In the City's accounting system, invoices are charged to General Ledger Number 401-577-975-012. Attached is a copy of a processed invoice indicating it is to be paid from this fund.

Payments for the Water Filtration Plant are from a Bond Fund. In the City's accounting system, invoices are charged to General Ledger Number 496-591-801-000 for engineering and 496-591-975-000 for construction. Attached is a copy of a processed invoice indicating it is to be paid from this fund.

Also attached is a summary prepared by the Finance Director indicating the funding sources for the South Beach Improvement project.

Support Material:

South Beach Improvements Project Funding Sources
South Beach Project Invoice
Water Filtration Project Invoice

Respectfully submitted,

Roger Huff, P.E.
Director

Federal I.D. No. 38-1841857
Incorporated

May 1, 2012
G07734SB
Account No. 190583

Project: South Haven/South Beach

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

Invoice No.: 262939

Construction/South Beach	<u>\$133,953.62</u>
Total Invoice	<u><u>\$133,953.62</u></u>

1515 Arboretum Dr., SE
Grand Rapids, MI
49546
ph: 616.575.3824
fax: 616.575.8155
www.ftch.com

(133953.62) 401-002-211-108

147.489.56 401-577-975-012

South Beach Project

133953.62 JMH 5-7-12
[Signature]





engineers
 scientists
 architects
 constructors

Federal I.D. No. 38-1841857
 Incorporated

May 1, 2012
 G07734WP
 Account No. 190583

Project: South Haven

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

Invoice No.: 262941

Engineering	\$0.00
Construction/Switchgear	\$0.00
Construction/Foundation Removal	\$0.00
Construction/Water Filtration	\$22,146.06
Existing Plant Demolition	\$14,873.85
Watermain Clean-up	\$0.00
Total Invoice	<u>\$37,019.91</u>

496-591-975-000

Roger C Huff

1515 Arboretum Dr., SE
 Grand Rapids, MI
 49546
 ph: 616.575.3824
 fax: 616.575.8155
 www.ftch.com

6/14/2012

SOUTH BEACH IMPROVEMENTS PROJECT

Funding Sources:

		<u>Received</u>	<u>Outstanding</u>
State Grant Funds	250,000.00	-	250,000.00
Contribution from General Fund	697,000.00	497,000.00	200,000.00

Total Funds Available **947,000.00**

Payments for Construction:

			<u>Paid</u>	<u>Outstanding</u>	<u>Retainage</u>
Fossil Industries	Sign	172.00	172.00	-	-
Compton	Parking Pay foundations	2,100.00	2,100.00	-	-
Cornelisse Design	Entry Sign	1,585.00	1,585.00	-	-
Total Parking Solutions	3 parking terminal units	48,975.00	32,650.00	16,325.00	-

(52,832.00)

Cornelisse Design

			<u>Paid</u>	<u>Outstanding</u>	<u>Retainage</u>
Design Engineering	Contract Total	(38,174.50)	38,174.50	-	-

FTC & H, Inc

			<u>Paid</u>	<u>Outstanding</u>	<u>Retainage</u>
South Beach Improv	Construction	Adjusted Contract	(829,472.83)	709,189.80	52,871.30
				67,411.73	

Total Funds Obligated **(920,479.33)**

Balance of Project Funds **26,520.67**

Any shortfall on the project will be paid by Fund 401 CP

MEMORANDUM

DATE: June 6, 2012

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

FROM: Christopher J. Cook, PE

CC: Cindy Clendenon, MDEQ
Marcus Tironi, MDEQ
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. For example, we recently field located the manholes in the ravine interceptor areas and were able to determine inverts, pipe sizes

and condition of structures. All of this information will be valuable in the modeling process and as we study the system further. We estimate that we are approximately 70% complete with this task. Previously we completed field investigations 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 progressed, we were able to better determine the optimal locations for flow monitoring. The plan for metering was reviewed and accepted by Marcus Tironi, from MDEQ. Sixteen (16) key locations have been determined for the monitoring exercise in addition to monitoring flow meters at each lift station. Five of these locations are at major input points from the Townships to help us assess their impact on the City's system. Three (3) meters will be deployed for at least six months starting in February 2012 and remain in place today. Four (4) meters in sub-areas were placed through the month of May and we have begun analysis of the data from those meters. A chart of each location is attached for your information. Those four meters were relocated to other areas of the system to gather information over the next few months.

Upcoming work includes monitoring the next round of flow meter information. At this time, we are roughly 50% complete with the task of metering and computer modeling has been setup with preliminary data.

SMOKE TESTING

We will commence with smoke testing in select locations on June 11. We have reviewed the metering results from the first area to determine the best area of focus with the smoke testing. The area chosen is mostly residential and is indicated on the attached map. It includes the southern portion of the City including the Indian Grove area to the west, Kalamazoo Street and tributaries and the eastern central portion of the city. All of these areas flow into the ravine interceptors. Also, we have prepared the residents for the smoke testing exercise with an outreach campaign including city commission update and resultant press coverage, door hangers, and notices.



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 over the first couple sections in the report and are roughly 5-10% complete with this task. We haven't made substantial progress in this area as it is largely dependent upon the results of the above studies.





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 Proc 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. **MMEA was contacted requesting their assistance in contacting fellow members for their policies regarding meter tampering, disconnection or tampering with service feeders/pipes, theft of service, and unsealed meter showing consumption.**
- 2/26/12 - Stickland requested that staff provide a list of the AEP contacts attempted during the March 7, 2012 outages. **Stickland had discussions with our AEP representation at the IMMUDA Annual Meeting April 27, 2012. A meeting is to be scheduled with the City and AEP.**

- **4/30/12 – As a result of the tamper fee discussion with a resident, staff was requested to compile a list of electrical and plumbing contractors licensed to work in South Haven for the purpose of sending notification letters concerning the tamper policy. City staff is working with the State of Michigan and Michigan Township services to gather this information.**
- **4/30/12 – Board questioned payment for the South Beach Improvements and playground equipment and payment for the Water Filtration Plant. Addressed under agenda item 9. B. at the June 25, 2012 meeting.**