

City Council

Regular Meeting Agenda

Monday, March 17, 2014
7:00 p.m., Council Chambers



1. Call to Order
2. Invocation
 - Linda Olsen – We Care I.N.C.
3. Roll Call
4. Approval of Agenda
5. **Consent Agenda: Items A thru B (Roll Call Vote Required)**

(All matters listed under the Consent Agenda are considered to be routine by the City Council and will be enacted by one motion. Unless requested by a Council Member or a citizen, there will be no separate discussion on these items. If discussion is required regarding an item, that item will be removed from the Consent Agenda and considered separately.)

 - A. Council will be requested to approve the City Council Minutes of March 3, 2014.
 - B. Bills totaling \$1,030,557.80 for the period ending March 18, 2014 be approved and forwarded to the Clerk and Treasurer for payment.

If a member of the public wishes to address any of the following items listed on the agenda they will be given a chance to speak prior to Council discussing the item. They will be given up to 5 minutes to address their concerns.

BOARD & COMMISSION APPOINTMENTS

6. Council will be asked to consider the appointment of Bill Roberts to fill a 5-year term on the BPU Board expiring in 2018.

UNFINISHED BUSINESS

7. Council will be asked to approve the zoning ordinance amendment, modifying certain general provisions and establishing regulations for wind energy turbines with provisions for special use permit requests.
8. Council will be asked to approve an ordinance to amend the text of the South Haven zoning ordinance to allow for single family detached dwellings in the B-3 waterfront business zone.

NEW BUSINESS

9. Van Buren Conservation District will provide an update to Council.

- 10. Council will be asked to authorize submittal of the weather buoy grant application to NOAA.**
- 11. Council will be asked to take the following actions regarding the Michigan Natural Resources Trust Fund grant application:**
 - A. Hold a public hearing regarding the request.**
 - B. Consider Resolution 2014-13 a resolution allowing for the application of a Michigan Natural Resources Trust Fund Grant.**
- 12. Council will be asked to approve Special Event 2014-09 Waterfront Film Fest.**
- 13. Interested Citizens in the Audience Will be Heard on Items Not on the Agenda**
(You will be given up to 5 minutes to address your concerns.)
- 14. City Manager's Comments**
- 15. Mayor and Councilperson's Comments**
- 16. Adjourn**

RESPECTFULLY SUBMITTED,



Brian Dissette, City Manager

City Council

Regular Meeting Minutes

Monday, March 3, 2014
7:00 p.m., Council Chambers



1. Call to Order

2. Invocation

- Pastor Devon Herrell – First UMC

3. Roll Call

Present: Arnold, Fitzgibbon, Gruber, Klavins, Kozlik Wall, Patterson
Absent: Burr

Moved by Kozlik Wall and seconded by Klavins to excuse Mayor Burr for personal reasons.

Voted Yes: All. Motion Carried.

4. Approval of Agenda

Moved by Patterson to approve the agenda. Seconded by Kozlik Wall.

Voted Yes: All. Motion Carried.

5. Consent Agenda: Items A thru D (Roll Call Vote Required)

Moved by Kozlik Wall seconded by Klavins to approve the Consent Agenda as follows:

- A. Council will be requested to approve the City Council Minutes of February 17, 2014.
- B. Bills totaling \$1,679,561.52 for the period ending March 4, 2014 be approved and forwarded to the Clerk and Treasurer for payment.
- C. Council will be asked to consider the following regarding Phoenix Road Substation Equipment Bids:
 - 1) Approve award of four (4) 12 kV circuit breakers to ABB in the amount of \$75,060.
 - 2) Approve award of one (1) 69kV transformer circuit switcher to Siemens Energy in the amount of \$34,785.
 - 3) Approve award of six (6) regulators and base stands to GE in the amount of \$89,166.
- D. Council will be asked to receive the following administrative reports and approved minutes to be placed on file:
 - 1) 10-02-2013 DDA Minutes
 - 2) 01-21-2014 Harbor Commission Minutes
 - 3) 01-21-2014 LHBM Minutes

- 4) 01-22-2014 Housing Commission Minutes
- 5) 01-27-2014 BPU Minutes

A Roll Call Vote was taken:

Yeas: Arnold, Gruber, Klavins, Kozlik Wall, Patterson, Fitzgibbon
Nays: None

Voted Yes: All. Motion Carried.

NEW BUSINESS

6. Council will be asked to introduce the zoning ordinance amendment, modifying certain general provisions and establishing regulations for wind energy turbines with provisions for special use permit requests.

Background Information: For many months, beginning in 2009, the city's planning commission actively worked to review and consider the possible use of wind turbine generators within the City of South Haven. The ordinance recommended by the city's planning commission establishes two categories of wind turbines, requires a special use permit for all wind turbines, and places height restrictions on the proposed units. (Attached is a chronology of the planning commission activities related to the development of that draft ordinance.) In April of 2010, the planning commission forwarded the draft ordinance to the city council for review and action.

On May 3, 2010, the council discussed the draft ordinance, which if approved would amend Article XVII, Section 1732, and establish Article XVII, Section 1742 and Article XV, Section 1510.35, and further establish regulations for wind energy turbines, with provisions for special use permit requests. The city council had some concerns with the draft ordinance and sent it back to the planning commission for further study. In September of that year, a joint workshop was held with the planning commission and city council to discuss the few remaining points of disagreement. The discussion at the meeting focused on:

1. Whether to limit all turbine heights to 40' in the areas west of Blue Star Highway, and
2. Remove 200' height limitation in areas east of the interchange and revise the fall zone provision to a one to one ratio, in the areas east of Blue Star Hwy.

At the November 4, 2010 meeting of the planning commission, the commission discussed the proposed modifications as offered by the city council and, after considering the potential impacts, voted to retain the originally drafted language. Most specifically, the commission agreed that no wind turbines over 200 feet should be permitted in the city and that the fall zone should remain at one to one and one half (1:1.5) except when adjacent to occupied buildings at which time the fall zone is increased to one to three (1:3).

The draft ordinance was sent back to city council late in 2010 but no action was taken.

Moved by Patterson to introduce a zoning ordinance amendment, modifying certain general provisions and establishing regulations for wind energy turbines with provisions for special use permit requests. Seconded by Gruber.

Voted Yes: All. Motion Carried.

7. South Haven Area Senior Services will provide an update to Council.

8. Council will be asked to adopt the Title VI plan per MDOT requirement.

Background Information: As a sub-recipient of federal transportation funds the City of South Haven is required to have a Title VI Non-Discrimination plan in place. The City, with assistance from MDOT, developed a plan for Council's consideration. The plan makes formal the anti-discrimination policies that are already in place at the City, but goes further to identify specific procedures for ensuring that discrimination does not occur and for addressing any violations. In summary, the plan addresses the following:

- It identifies the City Manager as the Title VI coordinator and assigns responsibility to him for initiating and monitoring Title VI activities, ensuring compliance with Title VI activities and addresses program deficiencies or violations. Any Title VI complaints will be addressed to him per the procedures outlined in the plan.
- It ensures that people affected by the City's programs and projects receive the services, benefits and opportunities to which they are entitled without regard to race, color, national origin, age, sex or disability.
- It requires the City to ensure that their sub-recipients adhere to state and federal law and include in all written contracts and agreements assurances that the sub-recipient must comply with Title VI and other related statutes.
- It also requires the City to provide access to individuals with limited ability to speak, write or understand the English language. Steps for addressing language barriers are identified in the plan.
- It establishes procedures for identifying impacts in programs, services or activities that may create adverse discrimination.
- It establishes procedures to annually review Title VI compliance within the City.
- The plan will be available on the City's website.

Moved by Patterson, to adopt the Title VI plan per MDOT requirement. Seconded by Arnold.

Voted Yes: All. Motion Carried.

9. Council will be asked to introduce an ordinance to amend the official zoning map of the South Haven zoning ordinance to allow for one family detached dwellings in the B-3 waterfront business zone.

Background Information: The planning commission considered this amendment to the B-3 zoning district after becoming aware that there were several scattered small lots in the zone unusable for any permitted use. During a review and drive through of the B-3 zone area, a subcommittee of planning commission members also found a number of single family homes existing in the zone which are currently in nonconformance with the zoning district requirements.

On January 9, 2014, the planning commission held a public hearing on the matter of adding single family residences on individual lots to the B-3 Waterfront Business regulations. A decision on the matter was delayed until the February 6 meeting in order to give the planning commission more time to consider comments heard and determine if additional changes were needed to the proposed amendment. At the February meeting, the planning

commission voted unanimously to recommend approval of the amendment to the city council.

The proposed ordinance provides that only lots of a size or configuration not adequate to support other permitted uses should be made available for single family homes.

It is not the intent of this amendment to encourage redevelopment of existing waterfront businesses. Staff and planning commission realize the importance of water related businesses to the vitality of the city. Any proposed conversion of a current permitted use to a single family home(s) will need a special use permit from the planning commission. The application for that permit shall include a compelling argument that the proposed use is more beneficial to the community than the existing use.

Moved by Kozlik Wall, to introduce an ordinance to amend the official zoning map of the South Haven zoning ordinance to allow for one family detached dwellings in the B-3 waterfront business zone. Seconded by Arnold.

Voted Yes: All. Motion Carried.

10. Council will be asked to take the following actions regarding a liquor license transfer to JWilco, Inc.:

A. Hold a public hearing regarding the request.

B. Consider Resolution 2014-10, a resolution to transfer a Class C & SDM liquor license from Porter Township to JWilco, Inc. at 515 Williams St, South Haven.

Background Information: The City Council will be asked to hold a public hearing regarding the application for a liquor license transfer, on behalf of JWilco, Inc., for a proposed business to be located at 515 Williams Street.

Staff has received an application to transfer a liquor license from Porter Township to JWilco, Inc., for a business that is proposed to be developed at 515 Williams Street. Per the City's Liquor Control Ordinance, a public hearing must be held regarding the application. After the City Council has received public comment, the Council will be asked to consider a resolution to recommend or not recommend the license to be approved by the Michigan Liquor Control Commission.

The applicant has been asked to be present during the public hearing to answer any questions that the City Council may have regarding the license transfer.

Please note; included in the staff reports are correspondence from the city's attorney regarding the liquor license transfer request. Further, is correspondence from the city's Police Chief regarding the Police Department's review of the license application.

Item A: Hold a public hearing regarding a liquor license transfer to JWilco.

Moved by Kozlik Wall, to open the public hearing regarding a liquor license transfer to JWilco. Seconded by Patterson.

Voted Yes: All. Motion carried.

Joe Wiltgen – Spoke about his plans for his business.

Jeff Morris – Spoke as neighbor of Joe’s business. Has no objections.

Ellis Walden – Spoke on behalf of Joe. Thinks his project will be good for the city.

Moved by Patterson, to close the public hearing regarding a liquor license transfer to JWilco. Seconded by Kozlik Wall.

Voted Yes: All. Motion carried.

Item B: Consider Resolution 2014-10, a resolution to transfer a Class C & SDM liquor license from Porter Township to JWilco, Inc. at 515 Williams St., South Haven.

Moved by Gruber, to approve Resolution 2014-10, a resolution to transfer a Class C & SDM liquor license from Porter Township to JWilco, Inc. at 515 Williams St., South Haven. Seconded by Patterson.

A Roll Call Vote was taken:

Yeas: Arnold, Gruber, Klavins, Kozlik Wall, Patterson, Fitzgibbon

Nays: None

Motion Carried.

11. Council will be asked to consider the following items regarding two Michigan Department of Natural Resources grant applications for improvements at Black River Park:

A. Resolution 2014-11, a resolution allowing for the application of an Aquatics Habitat Grant.

B. Resolution 2014-12, a resolution allowing for the application of a Land and Water Conservation Fund Grant.

Background Information: The City Council will be asked to consider resolutions authorizing the City Manager to apply for two (2) Michigan Department of Natural Resources (MDNR) grant programs for proposed improvements to Black River Park.

The grant applications seek funds for construction of a fishing area, seawall, and parking area improvements to Black River Park (at the site of the former Street Department.) The seawall design will incorporate boulders, as opposed to a steel seawall, in an effort to provide a habitat for river species. In 2011, the draft design was reviewed and approved by the City’s Harbor Commission and Parks Commission. Should either of the grant applications be approved by the MDNR, staff will present an updated park design to those boards, and the Planning Commission for consideration, prior to seeking final approval from the City Council to construct the project.

The MDNR is offering two grant programs which could be sought for the proposed improvements to Black River Park. Staff desires to submit two separate applications, which should improve the city’s potential for a successful grant application. The grant programs being sought are through the MDNR’s Land and Water Conservation Fund

(LWCF,) and through the MDNR's Aquatics Habitat (AH) program. The application to the LWCF funding request seeks \$78,100 in grant and the City will provide a local match of \$78,100, for a total project cost of \$156,200. The second application, the AH funding request, seeks \$105,000 in grant and the City will provide a local match of \$51,200, for a total project cost of \$156,200. Since both applications seek funds for the same project, the City will only accept one of the grants, should the MDNR approve the project.

Over the past three years, the City has submitted an annual application to the Great Lakes Fishery Trust Fund, to help fund the proposed improvements at Black River Park. Those applications have been denied with each submittal. As a result, staff is now seeking alternate funding options for the project.

For the City to proceed with the applications to the MDNR, staff recommends the approval of the following resolutions, which authorize the City Manager to apply to the LWCF and the AH programs.

Item A: Consider Resolution 2014-11, a resolution allowing for the application of an Aquatics Habitat Grant.

Moved by Patterson, to approve Resolution 2014-11, a resolution allowing for the application of an Aquatics Habitat Grant. Seconded by Kozlik Wall.

A Roll Call Vote was taken:

Yeas: Arnold, Gruber, Klavins, Kozlik Wall, Patterson, Fitzgibbon

Nays: None

Motion Carried.

Item B: Consider Resolution 2014-12, a resolution allowing for the application of a Land and Water Conservation Fund Grant.

Moved by Kozlik Wall, to approve Resolution 2014-12, a resolution allowing for the application of a Land and Water Conservation Fund Grant. Seconded by Patterson.

A Roll Call Vote was taken:

Yeas: Arnold, Gruber, Klavins, Kozlik Wall, Patterson, Fitzgibbon

Nays: None

Motion Carried.

12. Council will be asked to approve outdoor seating license agreements for Black River Tavern, 403 Phoenix Street, and Taste, 402 Phoenix Street.

Background Information: The City Council will be asked to authorize staff to issue a license agreement, to add outdoor dining along Phoenix Street, to the restaurant owners of Black River Tavern and Taste.

Black River Tavern is a local restaurant, located at 403 Phoenix Street. The owner of Black River Tavern, Mr. Scott Maxwell, is seeking a license agreement to add outdoor dining along Phoenix Street. The Planning Commission approved the special use permit for outdoor dining at their regular meeting on December 5, 2013. Two (2) conditions were placed on the approval: the noise level currently heard outside the building may not increase with the

outdoor seating and that the Downtown Development Authority (DDA) approve the outdoor furniture. The DDA approved the outdoor furniture plan at the February 12, 2014 regular meeting.

Taste is a local restaurant, located at 402 Phoenix Street. The owners of Taste, Mr. Joel Gesiakowski and Mrs. Heidi Gesiakowski, are seeking a license agreement to add outdoor dining along Phoenix Street. The Planning Commission approved the special use permit for outdoor dining at their regular meeting on December 5, 2013. Two (2) conditions were placed on the approval: the noise level currently heard outside the building may not increase with the outdoor seating and that the Downtown Development Authority (DDA) approve the outdoor furniture. The DDA approved the outdoor furniture plan at the February 12, 2014 regular meeting.

The draft license agreements for Black River Tavern and Taste have been actively reviewed by staff, the city's attorney, and the restaurant owners. The license agreements require a payment of \$250 per year to the City of South Haven. The fee is based on comparison to other lake front communities, and mirrors the fees charged by the City of Grand Haven. The agreements have a variety of requirements. Some of the highlights of the agreements are:

- The agreements allow customer seating to occur until 11:00 p.m.,
- The agreements require the city be provided with certificates of insurance,
- The agreements require that a designated clear path be maintained, to allow pedestrians to use the city's sidewalks,
- The agreements also require that if alcohol service is to be provided, at the outdoor dining location, and that the owner be in compliance with Michigan Liquor Control Commission rules and regulations.

Public Comment

Dixie Capps – Spoke about concerns with alcohol being passed to minors.

Moved by Patterson, to approve outdoor seating license agreements for Black River Tavern, 403 Phoenix Street, and Taste, 402 Phoenix Street. Seconded by Arnold.

Voted Yes: All. Motion carried.

13. Council will be asked to approve the Van Buren Trail project bid, budget amendment, and additional signage expense.

Background Information: The low bid from the Van Buren Trail project came in at \$383,425.24. This is 5.8% over the grant amount of \$362,400.

As an addition to the Van Buren Trail project, staff is requesting signage that will direct bicyclists from the Kal-Haven Trailhead to the Downtown. This is not part of the grant project, but would be added to the contract as a City funded change order.

Staff is requesting approval of the Van Buren Trail bid and a budget amendment to cover the expense over the grant amount and the additional signage.

Moved by Kozlik Wall, to approve the Van Buren Trail project bid, budget amendment, and additional signage expense. Seconded by Patterson.

Voted Yes: All. Motion carried.

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

Dixie Capps – Spoke about Senior Services and invites everyone to come out to their new center.

15. City Manager's Comments

16. Mayor and Councilperson's Comments

Kozlik Wall – Is it spring yet?

Gruber – Mayor Pro-Tem did a great job. Spoke about signage.

Patterson – March is National Reading Month so come visit the library.

Arnold – No Comment

Klavins – Spoke about how impressed he is with city staff and how the city has grown.

Fitzgibbon – Spoke about appreciation for all those who came. Thank you.

17. Adjourn

Moved by Kozlik Wall to adjourn. Seconded by Klavins.

Voted Yes: All. Motion carried. Meeting adjourned at 7:52 p.m.

RESPECTFULLY SUBMITTED,



Michelle Coffey,
Deputy City Clerk

Approved by City Council: **DRAFT**

CITY OF SOUTH HAVEN

MARCH 18, 2014

| | PREPAID | CURRENT | TOTAL |
|----------------------------|---------------|---------------|-----------------|
| 101-GENERAL FUND | \$ 43,302.07 | \$ 6,954.17 | \$ 50,256.24 |
| 202-MAJOR STREET FUND | \$ - | \$ - | \$ - |
| 203-LOCAL STREET FUND | \$ - | \$ - | \$ - |
| 204-STREET FUND | \$ 1,668.75 | 0.00 | \$ 1,668.75 |
| 226-GARBAGE/REFUSE FUND | \$ 60,213.45 | \$ - | \$ 60,213.45 |
| 250-DOWNTOWN DEVELOPMENT | \$ 866.42 | \$ 194,275.54 | \$ 195,141.96 |
| 251-LDFA #1 | \$ 17.50 | \$ - | \$ 17.50 |
| 253-LDFA #3 | \$ 6,819.59 | \$ - | \$ 6,819.59 |
| 260-BROWNFIELD AUTHORITY | \$ - | \$ - | \$ - |
| 265-NARCOTICS UNIT | \$ - | \$ - | \$ - |
| 266-POLICE TRAINING | \$ - | \$ - | \$ - |
| 296-RIVER MAINTENANCE | \$ - | \$ - | \$ - |
| 363- CAPITAL BOND | \$ - | \$ - | \$ - |
| 370- BUILDING AUTHORITY #2 | \$ - | \$ - | \$ - |
| 371-CAPITAL BOND DEBT SERV | \$ - | \$ - | \$ - |
| 372-WATER PLANT FUND | \$ - | \$ - | \$ - |
| 395-DDA DEBT SERVICE | \$ - | \$ - | \$ - |
| 396- DDA DISTRICT #2 | \$ - | \$ - | \$ - |
| 401-CAPITAL PROJECTS | \$ 3,813.43 | \$ 4,299.93 | \$ 8,113.36 |
| 402-CAPITAL PROJECTS #2 | \$ - | \$ - | \$ - |
| 466- PAVILION AND ICE RINK | \$ - | \$ - | \$ - |
| 545-BLACK RIVER PARK | \$ 303.57 | \$ - | \$ 303.57 |
| 577-BEACH FUND | \$ 1,198.21 | \$ - | \$ 1,198.21 |
| 582-ELECTRIC FUND | \$ 110,383.81 | \$ 28,231.08 | \$ 138,614.89 |
| 591-WATER FUND | \$ 47,482.28 | \$ 5,966.79 | \$ 53,449.07 |
| 592-SEWER FUND | \$ 80,427.25 | \$ 9,824.98 | \$ 90,252.23 |
| 594-MUNICIPAL MARINA | \$ 2,155.61 | \$ - | \$ 2,155.61 |
| 636-INFORMATION SERVICES | \$ 2,968.58 | \$ 22,304.00 | \$ 25,272.58 |
| 661-MOTOR POOL | \$ 2,273.56 | \$ 44,765.67 | \$ 47,039.23 |
| 677-SELF INSURANCE | \$ - | \$ - | \$ - |
| 703-TAX FUND | \$ 350,041.56 | \$ - | \$ 350,041.56 |
| 718-TRUST & AGENCY | \$ - | \$ - | \$ - |
| 750-EMPLOYEE WITHHOLDING | \$ - | \$ - | \$ - |
| TOTAL | \$ 713,935.64 | \$ 316,622.16 | \$ 1,030,557.80 |

User: ksteinman
DB: South Haven

BANK CODE: 1 CHECK DATE: 03/18/2014 INVOICE PAY DATE FROM 03/18/2014 TO 03/18/2014

| Check Date | Bank | Check # | Vendor Code | Vendor Name | Amount | # Invoices |
|------------|------|---------|-------------|---------------------------------|------------|------------|
| 03/18/2014 | 1 | 47119 | 000014 | ABONMARCHE CONSULTANTS INC | 2,279.66 | 1 |
| 03/18/2014 | 1 | 47120 | 000043 | AIRGAS USA, LLC | 48.03 | 1 |
| 03/18/2014 | 1 | 47121 | 000050 | ALEXANDER CHEMICAL CORP | 2,375.00 | 1 |
| 03/18/2014 | 1 | 47122 | 000067 | ALL-PHASE ELECTRIC SUPPLY | 177.80 | 1 |
| 03/18/2014 | 1 | 47123 | 003184 | ALTA EQUIPMENT COMPANY | 672.11 | 2 |
| 03/18/2014 | 1 | 47124 | 000136 | APPROVED FIRE PROTECTION CO | 114.00 | 1 |
| 03/18/2014 | 1 | 47125 | 000174 | AUTO GLASS BY GOBLES | 80.00 | 1 |
| 03/18/2014 | 1 | 47126 | 000177 | AUTOWARES INC | 386.15 | 10 |
| 03/18/2014 | 1 | 47127 | 000180 | AW DIRECT INC | 151.08 | 1 |
| 03/18/2014 | 1 | 47128 | 003146 | B & R MOBILE HOMES INC | 1,793.94 | 1 |
| 03/18/2014 | 1 | 47129 | 000290 | BLUE STAR SUPPLY | 538.30 | 2 |
| 03/18/2014 | 1 | 47130 | 003245 | BLUESTONE PSYCH | 425.00 | 1 |
| 03/18/2014 | 1 | 47131 | 000342 | BRUCE'S TRUCK & AUTO | 395.00 | 1 |
| 03/18/2014 | 1 | 47132 | 000346 | BRUSH ENTERPRISES | 5,051.33 | 2 |
| 03/18/2014 | 1 | 47133 | 000351 | BS&A SOFTWARE INC | 11,019.00 | 1 |
| 03/18/2014 | 1 | 47134 | 000372 | C.C. JOHNSON & MALHOTRA PC | 2,854.26 | 2 |
| 03/18/2014 | 1 | 47135 | 003145 | CANNEY'S WATER TREATMENT | 51.99 | 1 |
| 03/18/2014 | 1 | 47136 | 000392 | CARLETON EQUIPMENT COMPANY | 291.09 | 1 |
| 03/18/2014 | 1 | 47137 | 000418 | CDW GOVERNMENT INC | 321.25 | 5 |
| 03/18/2014 | 1 | 47138 | 000453 | CHIEF SUPPLY CORP | 326.17 | 1 |
| 03/18/2014 | 1 | 47139 | 000533 | CORNELISSE DESIGN ASSOC INC | 650.00 | 1 |
| 03/18/2014 | 1 | 47140 | 003244 | D HILL ENVIRONMENTAL | 150.00 | 1 |
| 03/18/2014 | 1 | 47141 | 000718 | ELECSYS INTERNATIONAL CORP | 267.00 | 1 |
| 03/18/2014 | 1 | 47142 | 000764 | FASTENAL COMPANY | 8.54 | 1 |
| 03/18/2014 | 1 | 47143 | 000846 | FTC & H, INC | 3,816.00 | 1 |
| 03/18/2014 | 1 | 47144 | 003238 | GARCIA, RICARDO | 325.00 | 1 |
| 03/18/2014 | 1 | 47145 | 000913 | GRAINGER | 3,123.48 | 6 |
| 03/18/2014 | 1 | 47146 | 000963 | GRP ENGINEERING INC | 24,097.89 | 5 |
| 03/18/2014 | 1 | 47147 | 001053 | HEWLETT -PACKARD COMPANY | 11,222.26 | 1 |
| 03/18/2014 | 1 | 47148 | 001082 | HOLLAND SUPPLY INC | 379.07 | 1 |
| 03/18/2014 | 1 | 47149 | 001107 | HULL LIFT TRUCK INC | 127.20 | 2 |
| 03/18/2014 | 1 | 47150 | 001120 | HYDRO DESIGNS INC | 995.00 | 1 |
| 03/18/2014 | 1 | 47151 | 001189 | JIM & TONI'S DRYCLEANERS | 256.50 | 1 |
| 03/18/2014 | 1 | 47152 | 001196 | JOHN'S STEREO INC | 55.99 | 2 |
| 03/18/2014 | 1 | 47153 | 001223 | KAL-BLUE | 105.09 | 1 |
| 03/18/2014 | 1 | 47154 | 001642 | MICHIGAN SECTION AWWA | 95.00 | 1 |
| 03/18/2014 | 1 | 47155 | 001691 | MILBOCKER & SONS INC | 193,087.24 | 1 |
| 03/18/2014 | 1 | 47156 | 001853 | NORTHERN FIRST AID | 115.59 | 1 |
| 03/18/2014 | 1 | 47157 | 001948 | PAT'S PRONTO PRINT | 72.22 | 1 |
| 03/18/2014 | 1 | 47158 | 002020 | POWER LINE SUPPLY CO | 1,636.37 | 5 |
| 03/18/2014 | 1 | 47159 | 002033 | PRI MAR PETROLEUM INC | 47.50 | 1 |
| 03/18/2014 | 1 | 47160 | 002114 | RATHCO SAFETY SUPPLY INC | 412.00 | 2 |
| 03/18/2014 | 1 | 47161 | 002155 | RIDGE AND KRAMER AUTO PARTS | 235.10 | 3 |
| 03/18/2014 | 1 | 47162 | 002168 | RIVERSIDE ELECTRIC SERVICE INC | 32.50 | 1 |
| 03/18/2014 | 1 | 47163 | 002188 | ROME'S STANDARD SERVICE INC | 605.06 | 2 |
| 03/18/2014 | 1 | 47164 | 003124 | RPM MACHINERY | 199.80 | 1 |
| 03/18/2014 | 1 | 47165 | 003243 | SAHAIRA MACHINING & FABRICATION | 240.00 | 1 |
| 03/18/2014 | 1 | 47166 | 002418 | SOUTH HAVEN SMALL ENGINES | 979.95 | 1 |
| 03/18/2014 | 1 | 47167 | 002453 | SPENCER MANUFACTURING, INC | 103.00 | 2 |
| 03/18/2014 | 1 | 47168 | 002478 | STAPLES ADVANTAGE | 367.61 | 4 |
| 03/18/2014 | 1 | 47169 | 002513 | STEEL CENTER SUPPLY CO | 146.08 | 1 |
| 03/18/2014 | 1 | 47170 | 002599 | THAYER INC | 85.52 | 2 |
| 03/18/2014 | 1 | 47171 | 002644 | TRACE ANALYTICAL LAB INC | 278.00 | 2 |
| 03/18/2014 | 1 | 47172 | 002683 | TRUCK & TRAILER SPECIALTIES | 57.00 | 1 |
| 03/18/2014 | 1 | 47173 | 002728 | USA BLUE BOOK | 736.84 | 3 |
| 03/18/2014 | 1 | 47174 | 002815 | VREDEVELD HAEFNER LLC | 1,169.60 | 1 |
| 03/18/2014 | 1 | 47175 | 002879 | WEST MICH OFFICE INTERIORS INC | 4,524.00 | 1 |
| 03/18/2014 | 1 | 47176 | 002936 | WINKEL'S COMMUNICATION INC | 625.00 | 2 |

User: ksteinma

BANK CODE: 1

CHECK DATE: 03/18/2014 INVOICE PAY DATE FROM 03/18/2014 TO 03/18/2014

DB: South Haven

| Check Date | Bank | Check # | Vendor Code | Vendor Name | Amount | # Invoices |
|------------|------|---------|-------------|---------------------|-----------|------------|
| 03/18/2014 | 1 | 47177 | 002953 | WOODHAMS, INC , DON | 35,841.00 | 2 |

Num Checks: 59

Num Invoices: 105

Total Amount: 316,622.16

03/12/2014 11:27 AM
 User: ksteinman
 DB: South Haven

INVOICE REGISTER REPORT FOR CITY OF SOUTH HAVEN
 INVOICE DUE DATES 03/18/2014 - 03/18/2014
 JOURNALIZED OPEN AND PAID
 BANK CODE: 1 - CHECK TYPE: PAPER CHECK

| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnlized Post Date |
|-----------------------|--|---|------------|----------------------|----------|--------|-----------------------|
| 108451 37440 | ABONMARCHE CONSULTANTS INC PUBLIC SAFETY BUILDING RENOVATIONS 401-301-980-000-0145 | 02/25/2014 ksteinman POLICE/FIRE COMPLEX | 03/18/2014 | 2,279.66 2,279.66 | 0.00 | P | Y 03/12/2014 |
| 9916106154 37313 | AIRGAS USA, LLC CYLINDER RENTAL 661-450-748-000 | 01/31/2014 ksteinman MOTOR FUEL & LUBRICANTS | 03/18/2014 | 48.03 48.03 | 0.00 | P | Y 03/03/2014 |
| SLS 10015618 37438 | ALEXANDER CHEMICAL CORP CHEMICALS 592-559-741-000 | 02/27/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 2,375.00 2,375.00 | 0.00 | P | Y 03/12/2014 |
| SCL 10003605 37442 | ALEXANDER CHEMICAL CORP DEPOSIT REFUND 592-559-741-000 | 02/10/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | (700.00) (700.00) | (700.00) | O | Y 03/12/2014 |
| 0710-558954 37312 | ALL-PHASE ELECTRIC SUPPLY SUPPLIES 591-558-741-000 | 02/12/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 177.80 177.80 | 0.00 | P | Y 03/03/2014 |
| I64564 37301 | ALTA EQUIPMENT COMPANY FENDER FLARE 661-450-741-003 | 02/20/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 432.84 432.84 | 0.00 | P | Y 03/03/2014 |
| I64640 37406 | ALTA EQUIPMENT COMPANY PIN, SNAP RING 661-450-741-003 | 02/24/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 239.27 239.27 | 0.00 | P | Y 03/10/2014 |
| 136847 37344 | APPROVED FIRE PROTECTION CO FIRE EXTINGUISHERS 582-558-741-000 | 02/10/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 114.00 114.00 | 0.00 | P | Y 03/04/2014 |
| WO9100002369 37309 | AUTO GLASS BY GOBLES INSTALL BOBCAT D/G 661-450-935-000 | 02/28/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 80.00 80.00 | 0.00 | P | Y 03/03/2014 |

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|---------------------|--|---|------------|-----------------------|---------|--------|-----------------------|
| 233-795952 37314 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 591-558-729-001 592-558-729-001 | 02/11/2014 ksteinman OTHER CLOTHING & SUPPLIES OTHER CLOTHING & SUPPLIES | 03/18/2014 | 13.89 6.95 6.94 | 0.00 | P | Y 03/03/2014 |
| 233-797573 37315 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-748-000 | 02/28/2014 ksteinman MOTOR FUEL & LUBRICANTS | 03/18/2014 | 17.94 17.94 | 0.00 | P | Y 03/03/2014 |
| 233-796305 37316 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-003 | 02/14/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 153.93 153.93 | 0.00 | P | Y 03/03/2014 |
| 233-793301 37412 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-003 | 01/15/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 32.96 32.96 | 0.00 | P | Y 03/10/2014 |
| 233-797787 37413 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-003 | 03/03/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 19.37 19.37 | 0.00 | P | Y 03/10/2014 |
| 233-797800 37414 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-742-000 | 03/03/2014 ksteinman SMALL TOOLS | 03/18/2014 | 10.48 10.48 | 0.00 | P | Y 03/10/2014 |
| 233-797636 37415 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-748-000 | 02/28/2014 ksteinman MOTOR FUEL & LUBRICANTS | 03/18/2014 | 76.67 76.67 | 0.00 | P | Y 03/10/2014 |
| 233-797862 37416 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-000 | 03/03/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 3.79 3.79 | 0.00 | P | Y 03/10/2014 |
| 233-797861 37417 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-000 | 03/03/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | (3.79) (3.79) | (3.79) | O | Y 03/10/2014 |

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| 233-797863 37418 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-000 | 03/03/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | (3.79) (3.79) | (3.79) | O | Y 03/10/2014 |
| 233-797937 37419 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-003 | 03/04/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 10.33 10.33 | 0.00 | P | Y 03/10/2014 |
| 233-798041 37420 | AUTOWARES INC REPAIR/MAINTENANCE SUPPLIES 661-450-741-003 | 03/05/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 46.79 46.79 | 0.00 | P | Y 03/10/2014 |
| 1019999475 37407 | AW DIRECT INC STAR STROBE PERM TALL AMBER 661-450-741-003 | 02/25/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 151.08 151.08 | 0.00 | P | Y 03/10/2014 |
| 861490 37350 | B & R MOBILE HOMES INC MOBILE HOME LEASE 401-301-980-000-0145 | 12/30/2013 ksteinman POLICE/FIRE COMPLEX | 03/18/2014 | 1,793.94 1,793.94 | 0.00 | P | Y 03/04/2014 |
| 14147 37443 | BLUE STAR SUPPLY LP FILLS 250-751-741-000 | 01/30/2014 ksteinman ICE RINK SUPPLIES | 03/18/2014 | 65.10 65.10 | 0.00 | P | Y 03/12/2014 |
| 14133 37444 | BLUE STAR SUPPLY 2 NEW ALUMINUM TANKS 250-751-741-000 | 01/09/2014 ksteinman ICE RINK SUPPLIES | 03/18/2014 | 473.20 473.20 | 0.00 | P | Y 03/12/2014 |
| 1375 37387 | BLUESTONE PSYCH EVALUATION, POST COE 101-301-801-011 | 02/15/2014 ksteinman EMPLOYEE PHYSICAL EXAMS | 03/18/2014 | 425.00 425.00 | 0.00 | P | Y 03/10/2014 |
| 26733 37302 | BRUCE'S TRUCK & AUTO RHINO HYBRED BED LINING 661-450-935-000 | 02/25/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 395.00 395.00 | 0.00 | P | Y 03/03/2014 |

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|---------------------|--|--|------------|-----------------------------------|---------|--------|-----------------------|
| 5986 37326 | BRUSH ENTERPRISES REPAIRS 661-450-935-000 | 02/26/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 2,535.03 2,535.03 | 0.00 | P | Y 03/03/2014 |
| 6016 37436 | BRUSH ENTERPRISES REPAIRS 661-450-935-000 | 03/04/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 2,516.30 2,516.30 | 0.00 | P | Y 03/12/2014 |
| 094790-2 37437 | BS&A SOFTWARE INC ANNUAL SUPPORT CHARGES 636-258-802-000 636-001-123-000 | 02/01/2014 ksteinman OTHER CONTRACTUAL SERVICES PREPAID ITEMS | 03/18/2014 | 11,019.00 3,654.42 7,364.58 | 0.00 | P | Y 03/12/2014 |
| MARCH 3, 2014 | | | | | | | |
| 37386 | C.C. JOHNSON & MALHOTRA PC EVALUATION OF SLUDGE ALTERNATIVES 592-559-801-000 | 03/03/2014 ksteinman PROFESSIONAL/CONSULTING FEES | 03/18/2014 | 792.85 792.85 | 0.00 | P | Y 03/10/2014 |
| 03/03/14 37439 | C.C. JOHNSON & MALHOTRA PC ENGINEERING SERVICES 592-560-801-000 | 03/03/2014 ksteinman PROFESSIONAL/CONSULTING FEES | 03/18/2014 | 2,061.41 2,061.41 | 0.00 | P | Y 03/12/2014 |
| 89021TD 37394 | CANNEY'S WATER TREATMENT BOTTLE WATER 101-350-802-000 | 02/21/2014 ksteinman OTHER CONTRACTUAL SERVICES | 03/18/2014 | 51.99 51.99 | 0.00 | P | Y 03/10/2014 |
| 01-134351 37401 | CARLETON EQUIPMENT COMPANY AIR FILTERS/FRESHEN 661-450-741-003 | 03/05/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 291.09 291.09 | 0.00 | P | Y 03/10/2014 |
| JW49075 37299 | CDW GOVERNMENT INC SUPPLIES 636-258-727-000 | 02/14/2014 ksteinman OFFICE SUPPLIES | 03/18/2014 | 62.74 62.74 | 0.00 | P | Y 03/03/2014 |
| JX91912 37389 | CDW GOVERNMENT INC IOGEAR RED POINT PRO PRESENTER 101-301-980-000 | 02/18/2014 ksteinman OFFICE EQUIPMENT & FURNITURE | 03/18/2014 | 49.13 49.13 | 0.00 | P | Y 03/10/2014 |

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| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnlized Post Date |
|---------------------|---|---|------------|------------------------------------|---------|--------|-----------------------|
| JZ70552 37390 | CDW GOVERNMENT INC FARGO RIB CARTDIGE 101-301-741-000 | 02/20/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 68.57 68.57 | 0.00 | P | Y 03/10/2014 |
| JZ79882 37391 | CDW GOVERNMENT INC IOGEAR 2PT COMPACT USB 401-301-980-000 | 02/20/2014 ksteinman POLICE/FIRE COMPLEX | 03/18/2014 | 32.44 32.44 | 0.00 | P | Y 03/10/2014 |
| JZ50996 37392 | CDW GOVERNMENT INC IOGEAR 2PT USB DVI-D 401-301-980-000 | 02/19/2014 ksteinman POLICE/FIRE COMPLEX | 03/18/2014 | 108.37 108.37 | 0.00 | P | Y 03/10/2014 |
| 398453 37388 | CHIEF SUPPLY CORP SUPPLIES 101-301-741-000 | 02/20/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 326.17 326.17 | 0.00 | P | Y 03/10/2014 |
| 201220A-04 37382 | CORNELISSE DESIGN ASSOC INC PROFESSIONAL SERVICES 250-729-727-001 | 03/05/2014 ksteinman MARKETING/PROMOTIONAL | 03/18/2014 | 650.00 650.00 | 0.00 | P | Y 03/10/2014 |
| 553 37432 | D HILL ENVIRONMENTAL COMPUTER SPREADSHEETS 592-559-860-000 | 03/08/2014 ksteinman TRAVEL/CONFERENCES/TRAINING | 03/18/2014 | 150.00 150.00 | 0.00 | P | Y 03/12/2014 |
| 122596 37347 | ELECSYS INTERNATIONAL CORP APRIL MAINTENANCE CHARGE 582-558-802-000 591-558-802-000 592-558-802-000 | 02/28/2014 ksteinman OTHER CONTRACTUAL SERVICES OTHER CONTRACTUAL SERVICES OTHER CONTRACTUAL SERVICES | 03/18/2014 | 267.00 186.90 40.05 40.05 | 0.00 | P | Y 03/04/2014 |
| MISOU8375 37402 | FASTENAL COMPANY NE NYLOCK 661-450-741-000 | 02/24/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 8.54 8.54 | 0.00 | P | Y 03/10/2014 |
| 301907 37399 | FTC & H, INC WATER SYSTEM RELIABILITY STUDY 591-558-801-000 | 02/24/2014 ksteinman | 03/18/2014 | 3,816.00 1,119.67 | 0.00 | P | Y 03/10/2014 |

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| Inv Ref# | Description | Entered By | | | | | Post Date |
| | GL Distribution | | | | | | |
| | 591-563-801-000 | CASCO | | 1,119.67 | | | |
| | 591-564-801-000 | SH TOWNSHIP | | 1,119.66 | | | |
| | 591-565-801-000 | COVERT | | 457.00 | | | |
| 536 | | | | | | | |
| 37345 | GARCIA, RICARDO | 03/03/2014 | 03/18/2014 | 325.00 | 0.00 | P | Y |
| | ACTIVATED SLUDGE TRAINING | ksteinman | | | | | 03/04/2014 |
| | 592-559-860-000 | TRAVEL/CONFERENCES/TRAINING | | 325.00 | | | |
| 9369988754 | | | | | | | |
| 37289 | GRAINGER | 02/20/2014 | 03/18/2014 | 941.75 | 0.00 | P | Y |
| | EQUIPMENT | ksteinman | | | | | 03/03/2014 |
| | 592-559-933-000 | REPAIRS/MAINTENANCE - EQUIP | | 189.25 | | | |
| | 592-569-933-000-0061 | REPAIRS/MAINTENANCE - EQUIP | | 752.50 | | | |
| 9371686511 | | | | | | | |
| 37290 | GRAINGER | 02/21/2014 | 03/18/2014 | 155.50 | 0.00 | P | Y |
| | TRANSFORMER | ksteinman | | | | | 03/03/2014 |
| | 592-559-933-000 | REPAIRS/MAINTENANCE - EQUIP | | 155.50 | | | |
| 9369706024 | | | | | | | |
| 37291 | GRAINGER | 02/20/2014 | 03/18/2014 | 217.18 | 0.00 | P | Y |
| | PILLOW BLOW BEARING | ksteinman | | | | | 03/03/2014 |
| | 592-570-933-000-0054 | REPAIRS/MAINTENANCE - EQUIP | | 217.18 | | | |
| 9366882885 | | | | | | | |
| 37349 | GRAINGER | 02/17/2014 | 03/18/2014 | 1,481.75 | 0.00 | P | Y |
| | EQUIPMENT | ksteinman | | | | | 03/04/2014 |
| | 592-559-933-000 | REPAIRS/MAINTENANCE - EQUIP | | 1,481.75 | | | |
| 9375660645 | | | | | | | |
| 37384 | GRAINGER | 02/26/2014 | 03/18/2014 | 165.70 | 0.00 | P | Y |
| | TERMINAL BLOCK | ksteinman | | | | | 03/10/2014 |
| | 592-559-933-000 | REPAIRS/MAINTENANCE - EQUIP | | 165.70 | | | |
| 9375342392 | | | | | | | |
| 37385 | GRAINGER | 02/26/2014 | 03/18/2014 | 161.60 | 0.00 | P | Y |
| | CIRCUIT BREAKER | ksteinman | | | | | 03/10/2014 |
| | 592-559-933-000 | REPAIRS/MAINTENANCE - EQUIP | | 161.60 | | | |
| 20140091 | | | | | | | |
| 37327 | GRP ENGINEERING INC | 02/03/2014 | 03/18/2014 | 3,000.00 | 0.00 | P | Y |
| | ENGINEERING SERVICES | ksteinman | | | | | 03/03/2014 |
| | 582-558-802-000 | OTHER CONTRACTUAL SERVICES | | 3,000.00 | | | |

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|----------------------|--|----------------------------|------------|-----------|---------|--------|------------------------|
| 20140092 37328 | GRP ENGINEERING INC ENGINEERING SERVICES 582-558-802-000 | 02/03/2014 ksteinman | 03/18/2014 | 10,000.00 | 0.00 | P | Y 03/03/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 10,000.00 | | | |
| 20140093 37329 | GRP ENGINEERING INC ENGINEERING SERVICES 582-558-802-000 | 02/03/2014 ksteinman | 03/18/2014 | 7,500.00 | 0.00 | P | Y 03/03/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 7,500.00 | | | |
| 20140094 37330 | GRP ENGINEERING INC ENGINEERING SERVICES 582-558-802-000 | 02/03/2014 ksteinman | 03/18/2014 | 1,197.13 | 0.00 | P | Y 03/03/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 1,197.13 | | | |
| 20140095 37331 | GRP ENGINEERING INC ENGINEERING SERVICES 582-558-802-000 | 02/03/2014 ksteinman | 03/18/2014 | 2,400.76 | 0.00 | P | Y 03/03/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 2,400.76 | | | |
| 3449894-001 37351 | HEWLETT -PACKARD COMPANY COMPUTER HARDWARE 636-258-980-001 | 02/20/2014 ksteinman | 03/18/2014 | 11,222.26 | 0.00 | P | Y 03/04/2014 |
| | | COMPUTER HARDWARE | | 11,222.26 | | | |
| 78400 37380 | HOLLAND SUPPLY INC FLAGS 101-276-741-000 | 03/05/2014 ksteinman | 03/18/2014 | 379.07 | 0.00 | P | Y 03/10/2014 |
| | | OPERATING SUPPLIES | | 379.07 | | | |
| WO-291569 37397 | HULL LIFT TRUCK INC PARTS 661-450-741-003 | 01/31/2014 ksteinman | 03/18/2014 | 28.20 | 0.00 | P | Y 03/10/2014 |
| | | REPAIR & MAINT SUPPLIES | | 28.20 | | | |
| WO-293693 37398 | HULL LIFT TRUCK INC PARTS 582-558-802-000 | 02/19/2014 ksteinman | 03/18/2014 | 99.00 | 0.00 | P | Y 03/10/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 99.00 | | | |
| MARCH 37325 | HYDRO DESIGNS INC CROSS CONNECTION CONTROL PROGRAM 591-559-802-000 | 03/03/2014 ksteinman | 03/18/2014 | 995.00 | 0.00 | P | Y 03/03/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 995.00 | | | |

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| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnlized Post Date |
|---------------------|---|-----------------------------|------------|------------|---------|--------|-----------------------|
| 3-1-14 37383 | JIM & TONI'S DRYCLEANERS LAUNDRY SERVICE 101-301-801-021 | 03/10/2014 ksteinman | 03/18/2014 | 256.50 | 0.00 | P | Y 03/10/2014 |
| | | LAUNDRY & DRYCLEANING | | 256.50 | | | |
| 10039538 37296 | JOHN'S STEREO INC SUPPLIES 592-559-933-000 | 02/26/2014 ksteinman | 03/18/2014 | 50.00 | 0.00 | P | Y 03/03/2014 |
| | | REPAIRS/MAINTENANCE - EQUIP | | 50.00 | | | |
| 10039609 37404 | JOHN'S STEREO INC MOTORPOOL TRK 29 661-450-741-003 | 03/04/2014 ksteinman | 03/18/2014 | 5.99 | 0.00 | P | Y 03/10/2014 |
| | | REPAIR & MAINT SUPPLIES | | 5.99 | | | |
| 3421 37288 | KAL-BLUE SUPPLIES 101-447-727-000 591-558-727-000 592-558-727-000 101-446-727-000 582-558-727-000 | 02/26/2014 ksteinman | 03/18/2014 | 105.09 | 0.00 | P | Y 03/03/2014 |
| | | OFFICE SUPPLIES | | 21.02 | | | |
| | | OFFICE SUPPLIES | | 21.02 | | | |
| | | OFFICE SUPPLIES | | 21.02 | | | |
| | | OFFICE SUPPLIES | | 21.02 | | | |
| | | OFFICE SUPPLIES | | 21.01 | | | |
| 3/7/14 37430 | MICHIGAN SECTION AWWA SPRING REGIONAL MEETING- BOB MILLE 591-559-860-000 | 03/07/2014 ksteinman | 03/18/2014 | 95.00 | 0.00 | P | Y 03/12/2014 |
| | | TRAVEL/CONFERENCES/TRAINING | | 95.00 | | | |
| PAY APP #6 37381 | MILBOCKER & SONS inc PHOENIX STREET IMPROVEMENTS 250-729-974-018-0150 | 03/01/2014 ksteinman | 03/18/2014 | 193,087.24 | 0.00 | P | Y 03/10/2014 |
| | | CAPITAL PROJECTS | | 193,087.24 | | | |
| 10091 37429 | NORTHERN FIRST AID SUPPLIES 101-265-802-000 | 03/04/2014 ksteinman | 03/18/2014 | 115.59 | 0.00 | P | Y 03/12/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 115.59 | | | |
| 03/12/14 37433 | PAT'S PRONTO PRINT MAGNETS 582-558-802-000 | 03/12/2014 ksteinman | 03/18/2014 | 72.22 | 0.00 | P | Y 03/12/2014 |
| | | OTHER CONTRACTUAL SERVICES | | 72.22 | | | |

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|---------------------|--|---|------------|------------------|---------|--------|------------------------|
| 5805004 37320 | POWER LINE SUPPLY CO MAINTENANCE SUPPLIES 582-558-729-001 | 02/25/2014 ksteinman OTHER CLOTHING & SUPPLIES | 03/18/2014 | 360.00 360.00 | 0.00 | P | Y 03/03/2014 |
| 5804613 37321 | POWER LINE SUPPLY CO MAINTENANCE SUPPLIES 582-558-988-000 | 02/25/2014 ksteinman ELECTRICAL SYSTEM CONSTR | 03/18/2014 | 458.24 458.24 | 0.00 | P | Y 03/03/2014 |
| 5804618 37322 | POWER LINE SUPPLY CO MAINTENANCE SUPPLIES 582-558-933-000 | 02/25/2014 ksteinman REPAIRS/MAINTENANCE - EQUIPM | 03/18/2014 | 230.25 230.25 | 0.00 | P | Y 03/03/2014 |
| 5804619 37323 | POWER LINE SUPPLY CO MAINTENANCE SUPPLIES 582-558-933-000 | 02/25/2014 ksteinman REPAIRS/MAINTENANCE - EQUIPM | 03/18/2014 | 404.88 404.88 | 0.00 | P | Y 03/03/2014 |
| 5804891 37324 | POWER LINE SUPPLY CO MAINTENANCE SUPPLIES 582-558-933-000 | 02/25/2014 ksteinman REPAIRS/MAINTENANCE - EQUIPM | 03/18/2014 | 183.00 183.00 | 0.00 | P | Y 03/03/2014 |
| 43427 37396 | PRI MAR PETROLEUM INC CARS WASHED 101-301-941-000 | 02/28/2014 ksteinman MOTOR POOL FEES | 03/18/2014 | 47.50 47.50 | 0.00 | P | Y 03/10/2014 |
| 145036 37308 | RATHCO SAFETY SUPPLY INC ALUM SIGN 101-446-741-000 | 02/19/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 375.00 375.00 | 0.00 | P | Y 03/03/2014 |
| 145071 37405 | RATHCO SAFETY SUPPLY INC 12"XV AR ST NAME D/S W/BLUE 101-446-741-000 | 02/26/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 37.00 37.00 | 0.00 | P | Y 03/10/2014 |
| 490-014403 37303 | RIDGE AND KRAMER AUTO PARTS MAINTENANCE SUPPLIES 661-450-741-003 | 02/26/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 36.50 36.50 | 0.00 | P | Y 03/03/2014 |

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INVOICE REGISTER REPORT FOR CITY OF SOUTH HAVEN
 INVOICE DUE DATES 03/18/2014 - 03/18/2014
 JOURNALIZED OPEN AND PAID
 BANK CODE: 1 - CHECK TYPE: PAPER CHECK

| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnalized Post Date |
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| 490-014435 37310 | RIDGE AND KRAMER AUTO PARTS MAINTENANCE SUPPLIES 661-450-741-003 | 02/27/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 176.83 176.83 | 0.00 | P | Y 03/03/2014 |
| 490-014167 37311 | RIDGE AND KRAMER AUTO PARTS MAINTENANCE SUPPLIES 661-450-741-003 | 02/13/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | (13.19) (13.19) | (13.19) | O | Y 03/03/2014 |
| 490-014522 37403 | RIDGE AND KRAMER AUTO PARTS MAINTENANCE SUPPLIES 661-450-741-003 | 03/04/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 21.77 21.77 | 0.00 | P | Y 03/10/2014 |
| 252983 37409 | RIVERSIDE ELECTRIC SERVICE INC CHECKOUT MILWAUKEE SAWAZALL 591-558-741-000 | 03/07/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 32.50 32.50 | 0.00 | P | Y 03/10/2014 |
| 31131 37348 | ROME'S STANDARD SERVICE INC TOWING 661-450-935-000 | 02/26/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 353.06 353.06 | 0.00 | P | Y 03/04/2014 |
| 2/21/2014 37408 | ROME'S STANDARD SERVICE INC HANKOOK OPTIMO 661-450-741-003 | 02/21/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 252.00 252.00 | 0.00 | P | Y 03/10/2014 |
| P03127 37428 | RPM MACHINERY SUPPLIES 661-450-741-003 | 03/01/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 199.80 199.80 | 0.00 | P | Y 03/12/2014 |
| 2/7/14 37319 | SAHAIRA MACHINING & FABRICATION WELDING REPAIRS TO PLOW FRAME 661-450-935-000 | 02/28/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 240.00 240.00 | 0.00 | P | Y 03/03/2014 |
| 02/05/14 37317 | SOUTH HAVEN SMALL ENGINES SNOWTHROWER 582-558-741-000 591-558-741-000 592-558-741-000 | 02/05/2014 ksteinman OPERATING SUPPLIES OPERATING SUPPLIES OPERATING SUPPLIES | 03/18/2014 | 979.95 627.17 176.39 176.39 | 0.00 | P | Y 03/03/2014 |

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INVOICE REGISTER REPORT FOR CITY OF SOUTH HAVEN
 INVOICE DUE DATES 03/18/2014 - 03/18/2014
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| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnlized Post Date |
|----------------------------|--|---|------------|---|---------|--------|-----------------------|
| 9752 37307 | SPENCER MANUFACTURING, INC STRIPING 661-450-741-003 | 02/21/2014 ksteinman REPAIR & MAINT SUPPLIES | 03/18/2014 | 18.00 18.00 | 0.00 | P | Y 03/03/2014 |
| 9756 37318 | SPENCER MANUFACTURING, INC INSTALL RED REFLECTIVE STRIPE 661-450-935-000 | 02/26/2014 ksteinman REPAIRS/MAINTENANCE - VEHICLES | 03/18/2014 | 85.00 85.00 | 0.00 | P | Y 03/03/2014 |
| 7113814396-000002 37298 | STAPLES ADVANTAGE SUPPLIES 101-101-727-000 | 02/22/2014 ksteinman OFFICE SUPPLIES | 03/18/2014 | 59.97 59.97 | 0.00 | P | Y 03/03/2014 |
| 7114017038-000001 37300 | STAPLES ADVANTAGE SUPPLIES 591-558-741-000 592-558-741-000 101-446-741-000 101-447-741-000 582-558-741-000 591-558-741-000 592-558-741-000 101-446-741-000 101-447-741-000 582-558-741-000 | 02/26/2014 ksteinman OPERATING SUPPLIES OPERATING SUPPLIES | 03/18/2014 | 175.55 6.40 6.40 6.40 6.40 6.39 28.71 28.71 28.71 28.71 28.72 | 0.00 | P | Y 03/03/2014 |
| 7113747087-000001 37304 | STAPLES ADVANTAGE SUPPLIES 582-558-727-000 591-558-727-000 592-558-727-000 101-446-727-000 101-447-727-000 582-558-727-000 591-558-741-000 592-558-741-000 101-446-741-000 101-447-741-000 582-558-741-000 | 02/20/2014 ksteinman OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES OFFICE SUPPLIES OPERATING SUPPLIES OPERATING SUPPLIES OPERATING SUPPLIES OPERATING SUPPLIES OPERATING SUPPLIES | 03/18/2014 | 125.80 59.86 4.58 4.58 4.58 4.58 4.59 8.60 8.60 8.61 8.61 8.61 | 0.00 | P | Y 03/03/2014 |

INVOICE DUE DATES 03/18/2014 - 03/18/2014

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| Inv Num | Vendor | Inv Date | Due Date | Inv Amt | Amt Due | Status | Jrnlized |
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| Inv Ref# | Description | Entered By | | | | | Post Date |
| | GL Distribution | | | | | | |
| 7114017038-000003 | | | | | | | |
| 37305 | STAPLES ADVANTAGE SUPPLIES | 02/26/2014 ksteinman | 03/18/2014 | 6.29 | 0.00 | P | Y 03/03/2014 |
| | 101-446-741-000 | OPERATING SUPPLIES | | 1.27 | | | |
| | 101-447-741-000 | OPERATING SUPPLIES | | 1.27 | | | |
| | 591-558-741-000 | OPERATING SUPPLIES | | 1.25 | | | |
| | 592-558-741-000 | OPERATING SUPPLIES | | 1.25 | | | |
| | 582-558-741-000 | OPERATING SUPPLIES | | 1.25 | | | |
| 015093 | | | | | | | |
| 37400 | STEEL CENTER SUPPLY CO MAINTENANCE SUPPLIES | 02/21/2014 ksteinman | 03/18/2014 | 146.08 | 0.00 | P | Y 03/10/2014 |
| | 661-450-741-000 | OPERATING SUPPLIES | | 146.08 | | | |
| 389928 | | | | | | | |
| 37393 | THAYER INC MULTIFOLD DISPENSER | 02/24/2014 ksteinman | 03/18/2014 | 35.69 | 0.00 | P | Y 03/10/2014 |
| | 401-301-980-000 | POLICE/FIRE COMPLEX | | 35.69 | | | |
| 390198 | | | | | | | |
| 37395 | THAYER INC C FOLD/MULTIFOLD CHROME COMBO | 03/03/2014 ksteinman | 03/18/2014 | 49.83 | 0.00 | P | Y 03/10/2014 |
| | 401-301-980-000 | POLICE/FIRE COMPLEX | | 49.83 | | | |
| 122496 | | | | | | | |
| 37292 | TRACE ANALYTICAL LAB INC CHEMICAL ANALYSIS | 08/15/2013 ksteinman | 03/18/2014 | 185.00 | 0.00 | P | Y 03/03/2014 |
| | 592-559-741-000 | OPERATING SUPPLIES | | 185.00 | | | |
| 123532 | | | | | | | |
| 37293 | TRACE ANALYTICAL LAB INC CHEMICAL ANALYSIS | 10/17/2013 ksteinman | 03/18/2014 | 93.00 | 0.00 | P | Y 03/03/2014 |
| | 592-559-802-000 | OTHER CONTRACTUAL SERVICES | | 93.00 | | | |
| C39649 | | | | | | | |
| 37306 | TRUCK & TRAILER SPECIALTIES SUPPLIES | 02/21/2014 ksteinman | 03/18/2014 | 57.00 | 0.00 | P | Y 03/03/2014 |
| | 661-450-741-003 | REPAIR & MAINT SUPPLIES | | 57.00 | | | |
| 272636 | | | | | | | |
| 37294 | USA BLUE BOOK LAB SUPPLIES | 02/19/2014 ksteinman | 03/18/2014 | 211.00 | 0.00 | P | Y 03/03/2014 |
| | 592-559-741-000 | OPERATING SUPPLIES | | 211.00 | | | |

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INVOICE REGISTER REPORT FOR CITY OF SOUTH HAVEN
 INVOICE DUE DATES 03/18/2014 - 03/18/2014
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 BANK CODE: 1 - CHECK TYPE: PAPER CHECK

| Inv Num Inv Ref# | Vendor Description GL Distribution | Inv Date Entered By | Due Date | Inv Amt | Amt Due | Status | Jrnlized Post Date |
|---------------------|--|---|------------|--|---------|--------|-----------------------|
| 245386 37346 | USA BLUE BOOK LAB SUPPLIES 592-559-741-000 | 01/16/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 66.80 66.80 | 0.00 | P | Y 03/04/2014 |
| 279865 37431 | USA BLUE BOOK LAB SUPPLIES 591-559-741-000 | 02/27/2014 ksteinman OPERATING SUPPLIES | 03/18/2014 | 459.04 459.04 | 0.00 | P | Y 03/12/2014 |
| 3039 37441 | VREDEVELD HAEFNER LLC PROCEDURES APPLIED TO UTILITY BILL 582-561-801-000 | 02/28/2014 ksteinman PROFESSIONAL/CONSULTING FEES | 03/18/2014 | 1,169.60 1,169.60 | 0.00 | P | Y 03/12/2014 |
| 192911 37297 | WEST MICH OFFICE INTERIORS INC CHAIRS 101-265-802-000 | 02/21/2014 ksteinman OTHER CONTRACTUAL SERVICES | 03/18/2014 | 4,524.00 4,524.00 | 0.00 | P | Y 03/03/2014 |
| 3276 37410 | WINKEL'S COMMUNICATION INC ANTENNA INSTALLATION 2-WAY RADIO 661-450-748-000 | 01/10/2014 ksteinman MOTOR FUEL & LUBRICANTS | 03/18/2014 | 235.00 235.00 | 0.00 | P | Y 03/10/2014 |
| 3286 37411 | WINKEL'S COMMUNICATION INC RADIO SYSTEM MAINTENANCE 101-446-802-000 582-558-802-000 591-558-802-000 592-558-802-000 | 03/01/2014 ksteinman OTHER CONTRACTUAL SERVICES OTHER CONTRACTUAL SERVICES OTHER CONTRACTUAL SERVICES OTHER CONTRACTUAL SERVICES | 03/18/2014 | 390.00 97.50 97.50 97.50 97.50 | 0.00 | P | Y 03/10/2014 |
| T14177 37434 | WOODHAMS, INC , DON 2 F-150 REGULAR CABS 4 X 2 661-450-981-000 | 03/07/2014 ksteinman VEHICLES | 03/18/2014 | 18,045.00 18,045.00 | 0.00 | P | Y 03/12/2014 |
| T14174 37435 | WOODHAMS, INC , DON 2 F-150 REGULAR CABS 4 X 2 661-450-981-000 | 03/07/2014 ksteinman VEHICLES | 03/18/2014 | 17,796.00 17,796.00 | 0.00 | P | Y 03/12/2014 |

INVOICE REGISTER REPORT FOR CITY OF SOUTH HAVEN
 INVOICE DUE DATES 03/18/2014 - 03/18/2014
 JOURNALIZED OPEN AND PAID
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| Inv Num | Vendor | Inv Date | Due Date | Inv Amt | Amt Due | Status | Jrnlized |
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| Inv Ref# | Description | Entered By | | | | | Post Date |
| | GL Distribution | | | | | | |
| # of Invoices: | 105 | # Due: | 0 | Totals: | 316,622.16 | 0.00 | |
| # of Credit Memos: | 4 | # Due: | 4 | Totals: | (720.77) | (720.77) | |
| Net of Invoices and Credit Memos: | | | | | <u>315,901.39</u> | <u>(720.77)</u> | |

--- TOTALS BY FUND ---

| | | |
|---------------------------------|------------|----------|
| 101 - GENERAL FUND | 6,954.17 | 0.00 |
| 250 - DOWNTOWN DVLP AUTHORITY | 194,275.54 | 0.00 |
| 401 - CAPITAL PROJECTS FUND 1 | 4,299.93 | 0.00 |
| 582 - ELECTRIC FUND | 28,231.08 | 0.00 |
| 591 - WATER FUND | 5,966.79 | 0.00 |
| 592 - SEWER FUND | 9,124.98 | (700.00) |
| 636 - INFORMATION SERVICES FUND | 22,304.00 | 0.00 |
| 661 - MOTOR POOL FUND | 44,744.90 | (20.77) |

--- TOTALS BY DEPT/ACTIVITY ---

| | | |
|-----------------------------------|------------|----------|
| 001 - ASSETS | 7,364.58 | 0.00 |
| 101 - CITY COUNCIL | 59.97 | 0.00 |
| 258 - DATA PROCESSING | 14,939.42 | 0.00 |
| 265 - BUILDINGS & GROUNDS | 4,639.59 | 0.00 |
| 276 - CEMETERY DEPARTMENT | 379.07 | 0.00 |
| 301 - POLICE | 5,472.80 | 0.00 |
| 350 - INFORMATION CENTER | 51.99 | 0.00 |
| 446 - HIGHWAYS & STREETS | 580.09 | 0.00 |
| 447 - ENGINEERING | 70.59 | 0.00 |
| 450 - EQUIPMENT MAINTENANCE | 44,744.90 | (20.77) |
| 558 - OPERATIONS | 29,174.34 | 0.00 |
| 559 - TREATMENT | 7,251.49 | (700.00) |
| 560 - IPP PROGRAM | 2,061.41 | 0.00 |
| 561 - ADMINISTRATION | 1,169.60 | 0.00 |
| 563 - OPERATIONS - CASCO TOWNSHI | 1,119.67 | 0.00 |
| 564 - OPERATIONS - SOUTH HAVEN TW | 1,119.66 | 0.00 |
| 565 - OPERATIONS - COVERT | 457.00 | 0.00 |
| 569 - LIFSTATIONS - SOUTH HAVEN T | 752.50 | 0.00 |
| 570 - LIFTSTATIONS - CITY | 217.18 | 0.00 |
| 729 - DOWNTOWN DEVELOPMENT | 193,737.24 | 0.00 |
| 751 - PARK DEPARTMENT | 538.30 | 0.00 |

| Check Date | Bank | Check | Vendor | Vendor Name | Amount |
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| 02/28/2014 | 1 | 47066 | 003227 | FIFTH THIRD BANK | 197,470.60 |
| 02/28/2014 | 1 | 47067 | 003117 | 7TH DISTRICT COURT EAST | 150.00 |
| 02/28/2014 | 1 | 47068 | 000048 | AL VAN HUMANE SOCIETY | 1,750.00 |
| 02/28/2014 | 1 | 47069 | 000177 | AUTOWARES INC | 180.58 |
| 02/28/2014 | 1 | 47070 | 000290 | BLUE STAR SUPPLY | 29.72 |
| 02/28/2014 | 1 | 47071 | 000468 | CITY OF SOUTH HAVEN-PETTY CASH | 540.13 |
| 02/28/2014 | 1 | 47072 | 000843 | FRONTIER | 7,044.44 |
| 02/28/2014 | 1 | 47073 | 001067 | HI TEC BUILDING SERVICES | 3,562.26 |
| 02/28/2014 | 1 | 47074 | 001544 | MENARDS | 940.95 |
| 02/28/2014 | 1 | 47075 | 001610 | MICHIGAN GAS UTILITIES | 22,092.58 |
| 02/28/2014 | 1 | 47076 | 003153 | BOB MILLER | 30.55 |
| 02/28/2014 | 1 | 47077 | 001985 | CONNIE PHILLIPS-THOMPSON | 121.21 |
| 02/28/2014 | 1 | 47078 | 002132 | RELIABLE DISPOSAL INC #646 | 82.70 |
| 02/28/2014 | 1 | 47079 | 002513 | STEEL CENTER SUPPLY CO | 15.68 |
| 02/28/2014 | 1 | 47080 | 002645 | TRACTOR SUPPLY CREDIT PLAN | 159.99 |
| 02/28/2014 | 1 | 47081 | 002789 | VERIZON | 2,393.93 |
| 02/28/2014 | 1 | 47082 | 003241 | WESTSHORE FIRE | 528.35 |
| 02/28/2014 | 1 | 47083 | 002949 | WOLVERINE HARDWARE | 73.12 |
| 03/03/2014 | 1 | 47084 | 000309 | A.D. BOS OFFICE COFFEE SERVICE | 42.50 |
| 03/03/2014 | 1 | 47085 | UB REFUND | BOSCH, DORIS | 104.23 |
| 03/03/2014 | 1 | 47086 | 000519 | CONSUMERS ENERGY | 234.16 |
| 03/03/2014 | 1 | 47087 | UB REFUND | JACKSON, LATANYA A | 376.06 |
| 03/03/2014 | 1 | 47088 | 002424 | SOUTH HAVEN/CASCO | 87,790.31 |
| 03/03/2014 | 1 | 47089 | UB REFUND | WEBER, HEATHER M | 123.83 |
| 03/03/2014 | 1 | 47090 | 002953 | WOODHAMS, INC , DON | 8.10 |
| 03/06/2014 | 1 | 47091 | 001329 | LAKE MICHIGAN COLLEGE | 162.25 |
| 03/06/2014 | 1 | 47092 | 002395 | SOUTH HAVEN COMMUNITY HOSPITAL | 12,460.93 |
| 03/06/2014 | 1 | 47093 | 002417 | SOUTH HAVEN SENIOR SERVICES | 9,425.83 |
| 03/06/2014 | 1 | 47094 | 002757 | VAN BUREN COUNTY TREASURER | 102,767.04 |
| 03/06/2014 | 1 | 47095 | 002758 | VAN BUREN INTERMEDIATE | 225,225.51 |
| 03/07/2014 | 1 | 47096 | 003107 | 57TH DISTRICT COURT | 2,000.00 |
| 03/07/2014 | 1 | 47097 | 000471 | CITY PLUMBING & HEATING CO | 353.16 |
| 03/07/2014 | 1 | 47098 | 000498 | COMCAST | 153.04 |
| 03/07/2014 | 1 | 47099 | 000843 | FRONTIER | 2,293.43 |
| 03/07/2014 | 1 | 47100 | 000994 | HAPA LLC | 1,178.29 |
| 03/07/2014 | 1 | 47101 | MISC | JUDITH A STIMSON | 23.51 |
| 03/07/2014 | 1 | 47102 | 001352 | LANDERS HARDWARE INC | 58.91 |
| 03/07/2014 | 1 | 47103 | 001544 | MENARDS | 24.99 |
| 03/07/2014 | 1 | 47104 | 001828 | NEXTEL COMMUNICATIONS | 40.99 |
| 03/07/2014 | 1 | 47105 | 002010 | POOLE, PHILLIP | 37.00 |
| 03/07/2014 | 1 | 47106 | 002491 | STATE OF MICHIGAN | 6,802.09 |
| 03/07/2014 | 1 | 47107 | 002949 | WOLVERINE HARDWARE | 5.70 |
| 03/07/2014 | 1 | 47108 | 003213 | DALE CLAYTON | 75.67 |
| 03/07/2014 | 1 | 47109 | 001286 | KNOX, JARED | 67.20 |
| 03/07/2014 | 1 | 47110 | 001752 | MULAC, DAVID | 502.58 |
| 03/07/2014 | 1 | 47111 | 003047 | ERIC SMITH | 75.67 |
| 03/11/2014 | 1 | 47112 | UB REFUND | ACAS | 824.56 |
| 03/11/2014 | 1 | 47113 | MISC | BEACON SERVICES | 20.00 |
| 03/11/2014 | 1 | 47114 | UB REFUND | MUCERINO, ANTOINETTE M | 77.18 |
| 03/11/2014 | 1 | 47115 | UB REFUND | SAUCEDO, ORLANDO | 164.44 |
| 03/11/2014 | 1 | 47116 | UB REFUND | SCOTT, MARLENE K | 64.11 |
| 03/11/2014 | 1 | 47117 | UB REFUND | SMITH, BRADY W | 79.16 |
| 03/11/2014 | 1 | 47118 | MISC | SOUTH HAVEN PUBLIC SCHOOLS | 100.00 |

1 TOTALS:

| | |
|----------------------------|-------------------|
| Total of 53 Checks: | 690,909.22 |
| Less 0 Void Checks: | 0.00 |
| Total of 53 Disbursements: | <u>690,909.22</u> |

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DB: South Haven

CHECK REGISTER FOR CITY OF SOUTH HAVEN
CHECK DATE FROM 02/28/2014 - 03/11/2014

Page: 1/1

| Check Date | Bank | Check | Vendor | Vendor Name | Amount |
|---------------------------|------|-------|--------|-------------|------------------|
| Bank 1 FIFTH THIRD BANK | | | | | |
| 03/04/2014 | 1 | 43(E) | 003062 | MCAAA | <u>23,026.42</u> |
| 1 TOTALS: | | | | | |
| Total of 1 Checks: | | | | | 23,026.42 |
| Less 0 Void Checks: | | | | | <u>0.00</u> |
| Total of 1 Disbursements: | | | | | <u>23,026.42</u> |



City of South Haven

RECEIVED MAR 05 2014

BOARD AND COMMISSION APPLICATION

Name Bill Roberts Phone [REDACTED]

Address [REDACTED] South Haven MI 49090
Street City State Zip

E-Mail Address [REDACTED]

Resident of City? (Circle One) Yes No If Yes, how long: 29 years [Signature]

Board or Commission Applying for: Board of Public Utilities

Qualifications: Degree in Mechanical Engineering
Worked for Consumers Power/CMS Energy for 33 years
with 29 years at Palisades Electric Power Generating Plant,
which included engineering, supervision of engineers,
project management, and nuclear licensing.

I believe I can benefit the City of South Haven by serving on a board and commission because: _____

My training and experience is a good fit for the
city's Board of Public Utilities.

Signature [Signature]

Date 3/5/2014

Return Application to:
City of South Haven
Attn: Clerk's Office
539 Phoenix Street
South Haven, MI 49090
Fax: (269) 637-5319
Phone: (269) 637-0750

| | |
|----------------------|--|
| For Office Use Only: | |
| Appointed _____ | |
| Term Expires _____ | |
| Letter Mailed _____ | |



Draft Wind Turbine Generator Ordinance

City of South Haven

Background Information:

At the January 13, 2014 city council meeting, several concerns were raised regarding the proposed Wind Turbine Ordinance. Since that meeting, staff has worked to address those concerns and make necessary adjustments to the draft text. Wind Ordinances in several Michigan cities and townships were reviewed as part of this process.

The attached draft ordinance includes the proposed changes in yellow highlight. Staff has also included a revised Wind Turbine Height Map. In summary, the changes proposed include:

Section 2 Definitions: *Ambient Sound Level* has been changed to *Continuous Background Sound Level*. The definition remains the same.

A definition for dB(C) (low frequency sound measurement) was added. dB(c) limits were not included in the previous version of the ordinance.

Section 3 Locational Requirements: This section was revised to permit turbines up to 200 feet in height in areas zoned B-4, I-1 and I-2 when located east of Blue Star Highway only. Other areas of the city have a 40 foot height limit.

Section 4: Site Requirements: Subsection B was revised to relate to ice throw or component failure instead of noise.

Subsection F was revised to increase the buffer area from three (3) times the rotor diameter to seven (7) times the diameter.

Section 6: Buffering Requirements: The previous ordinance had a sound limit of 55 decibels (dB(A)) or the ambient sound level plus 5 dB(A), whichever was less. This limit has now been reduced to 40 dB(A) between the hours of 10:00 p.m. and 6:00 a.m. and 45 dB(A) between the hours of 6:00 a.m. and 10:00 p.m.

Limits have also been added regarding the dB(C) level and acceptable vibration from the turbine. The added text reads, "Vibrations from a Wind Turbine shall not be humanly perceptible beyond the turbine property and in no case shall the sound emanating from the Wind Turbine exceed 50 dB(C) between the hours of 10:00 p.m. and 6:00 a.m. or 55 dB(C) between the hours of 6:00 a.m. to 10:00 p.m. as measured at any adjacent property line".

In Subsection d, a reference was inserted to clarify the amount of vibration allowed by a measurement of Hz.

Recommendation:

Staff recommends adoption of the Wind Turbine Ordinance as it now reads

Attachments:

Draft Ordinance

Map of proposed tower height limits

CHRONOLOGY OF DRAFT WIND TURBINE GENERATOR ORDINANCE

1. **August 2009** – Planning commission discussed the drafting of a wind turbine generator ordinance at the request of city council. Staff begins work on a draft ordinance.
2. **September 2009** - The planning commission discusses the draft text and allows public comments.
3. **October 2009** – Public hearing continued from the September meeting,
4. **December 2009** - Public hearing continued from the October meeting,
5. **January 2010**- The planning commission again discusses the draft text and reopens the public hearing from December
6. **March 2010** – Public hearing continued. Later that month (March 11), the planning commission holds a special meeting to further discuss the matter.
7. **April 2010** – The public hearing is continued from the March meeting. Planning commissioners move to send the draft ordinance to city council.
8. **May 2010** - City council considers the draft text and decides to send it back to the planning commission for further discussion. The main issues are the planning commission's desire to limit the generators to a height of 200 feet in areas east of Blue Star Highway and 40 feet if placed on commercial/industrial rooftops.
9. **July 2010**- The planning commission considers the city council concerns and decides not to make adjustments to the draft text.
10. **August 2010** – Staff transmittal of comments and draft ordinance to city council.
11. **September 2010** – A joint work session is held between the planning commission and the city council. The planning commissioners agree to discuss the suggestions at their next meeting.

12. **November 2010** – Planning commissioners hold a final public hearing on the matter and, following deliberations, send the draft ordinance back to city council with no changes made.
13. **November 2013** – Planning commission again reviews the ordinance and, after deciding not to make further changes, sends the ordinance back to city council for action.

CITY OF SOUTH HAVEN
VAN BUREN AND ALLEGAN COUNTIES, MICHIGAN

ORDINANCE NO - ____

AN ORDINANCE TO AN ORDINANCE AMENDING THE SOUTH HAVEN ZONING ORDINANCE ARTICLE XVII SECTION 1732 AND ESTABLISHING SECTION 1742, AND ARTICLE XV SECTION 1510.35, MODIFYING CERTAIN GENERAL PROVISIONS AND ESTABLISHING REGULATIONS FOR WIND ENERGY TURBINES WITH PROVISIONS FOR SPECIAL USE PERMIT REQUESTS.

The City of South Haven Ordains:

SECTION 1 That Article XVII Section 1732 titled "Height Exceptions", Section 1743 titled "Wind Turbines", and Article XV Section 1510.35 titled "Wind Turbines" of the City of South Haven Zoning Ordinance be hereby amended and established to replace said sections with the text as indicated in Exhibit 'A' attached hereto and made a part of this ordinance.

SECTION 2

If any portion of this ordinance is for any reason held invalid, such decision shall not affect the validity of the remaining provisions of this ordinance.

SECTION 3

This ordinance shall be in full force and effect from and after its passage and publication as provided by law.

SECTION 4

This ordinance shall take effect ten (10) days after its adoption or upon its publication in the *South Haven Tribune*, whichever occurs later.

INTRODUCED by the City Council of the CITY OF SOUTH HAVEN, MICHIGAN on this __ day of _____, 2013.

ADOPTED by the City Council of the CITY OF SOUTH HAVEN, MICHIGAN on this __ day of _____, 2013.

Robert G. Burr, Mayor

CERTIFICATION

I, Amanda Morgan, Clerk of the City of South Haven, Van Buren County, Michigan do hereby certify that the above Ordinance was adopted by the South Haven City Council on the __ day of _____, 2013.

Ordinance No. ____

_____, 2013; and the same was published in a paper of general circulation in the City, being the *South Haven Tribune*, on the ____ day of _____, 2013.

Amanda Morgan, City Clerk

EXHIBIT A

SECTION 1742. WIND TURBINES

No Wind Turbine shall be constructed or located within the City of South Haven unless a Special Use Permit has been issued by the City of South Haven Planning Commission to the Facility Owner or Operator approving the construction of the facility pursuant to Section 1500 in total. Maintenance of existing Wind Turbines shall not require a Special Use Permit modification. Replacement of existing Wind Turbines shall not require a Special Use Permit modification if the standards of Section 1510.35 have not become more restrictive subsequent to the original Special Use Permit having been approved. Any physical modification to an existing Wind Turbine that materially alters its original size, type or specifications shall require a special use permit amendment.

* * *

SECTION 1510.35 WIND TURBINES

Wind Turbines proposed pursuant to Section 1742 shall be subject to the following additional application requirements in addition to those required by Section 1500 in total:

- a. Name, address and contact information for the Facility Owner, Operator and landowner along with notarized signature of same on application form.
- b. An overview of the project; the project location; type and height of Wind Turbine to be constructed, dimensions and respective manufacturers, and a description of ancillary facilities.
- c. An affidavit or similar evidence of agreement between the landowner and the Facility Owner or Operator demonstrating that the Facility Owner or Operator has the permission of the landowner to apply for necessary permits for construction and operation of the Wind Turbine.
- d. The legal description and tax identification numbers of the properties on which the proposed Wind Turbine will be located.
- e. A site plan showing the planned location of each Wind Turbine, property lines, setback lines, access road and turnout locations, substation(s), electrical cabling from the Wind Turbine to the substation(s), ancillary equipment, building, and structures, including permanent meteorological towers, associated transmission lines, and layout of all structures within the geographical boundaries of any applicable setback.
- f. Documents related to decommissioning pursuant to this Section 1500.
- g. Other relevant studies, reports, certifications and approvals as may be reasonably requested by the City of South Haven when required to ensure compliance with this Section 1500 including but not limited to noise analysis, shadow flicker evaluation, and vibration analysis.

1. PURPOSE AND INTENT: The purpose of this Section 1510.35 is to establish standards and procedures by which installment and operation of Wind Turbines shall be governed. The intent of this Section 1510.35 is:

- a. To promote public safety with the establishment of Wind Turbines installed for the purpose of creating renewable energy sources.
- b. To reduce potential adverse impacts Wind Turbines may have on residential areas and land uses through appropriate design, siting, and nuisance controls.
- c. To minimize any potential impact on adjacent properties from Wind Turbine failure through appropriate engineering and siting of Wind Turbine structures.

2. DEFINITIONS: As used in this Section 1510.35:

- a. "Anemometer Tower" means a structure and equipment used to determine the potential for the placement for a Wind Turbine.
- c. "Applicant" is the person or entity filing an application pursuant to Section 1742, as well as the applicant's successor(s), assign(s), heir(s) and/or transferee(s) as to any approved Wind Turbine. An applicant shall have the legal authority to represent and bind the landowner and lessee who will construct, own and operate the Wind Turbine. The duties and obligations regarding a zoning approval for any approved Wind Turbine shall be with the landowner.
- c. "Continuous Background Sound Level" means the amount of background noise at a given location prior to the installation of a Wind Turbine which may include, but is not limited to, traffic, machinery, lawnmowers, human activity, and interaction of the wind with the landscape as measured on the dB(A) weight scale defined by the American National Standards Institute.
- d. "dB(C)" means the measurement of sound pressure level which is designed to be more responsive to low-frequency noise. C-weighting is intended to characterize the low-frequency emissions and immissions of wind turbine noise.
- e. "Facility Owner" means the entity or entities having an equity interest in a Wind Turbine, including their respective successors and assigns. The Facility Owner shall be legally responsible to the landowner.
- f. "Hub Height" means the distance measured from the average grade around the foundation to the highest element of the Wind Turbine hub, to which the blade is attached.
- g. "Operator" means the entity responsible for the day-to-day operation and maintenance of a Wind Turbine.
- h. "Occupied Building" means a residence or a building used for public gathering such as a school, hospital, church, or public library any of which is occupied or in use when the permit application is submitted.
- i. "Rotor Diameter" means the cross-sectional dimension of the circle swept by the rotating blades of a Wind Turbine.
- j. "Shadow Flicker" means the moving shadow created by a light source shining through the rotating blades of a Wind Turbine.
- k. "Tower" means the support structure for the various components of a Wind Turbine including the nacelle, tail, rotor, blades, and may include an anemometer.
- l. "Turbine Height" means the distance measured from the average grade around the foundation to the highest point of the turbine rotor blade.
- m. "Wind Turbine" means a single wind energy conversion system that converts wind energy into electricity through the use of a Wind Turbine generator, and includes the nacelle, rotor, tower, tail, foundation, and transformer, if any, may also include an anemometer.
- n. "Wind Energy Facility" means an electric generating facility, being the primary use of a property whose main purpose is to supply electricity, consisting of one or more Wind Turbines and other accessory structures and buildings, including substations,

meteorological towers, electrical infrastructure, transmission lines and other appurtenant structures and facilities.

o. "Non-participation Landowner" means any landowner not included within a specific Wind Turbine Site.

p. "Setback distance" means that horizontal distance measured from the center of the Wind Turbine base to the nearest fixed edge or point of an identified element that is the subject of a specific setback regulation.

q. "Wind Turbine Site" means that property which is subject to an agreement with the Facility Owner or Operator, or is controlled through ownership or easement rights by the Facility Owner or Operator.

3. LOCATION REQUIREMENTS:

a. Category One: A Wind Turbine 40 feet in Turbine Height or less shall be considered an accessory structure requiring a special use permit which may be allowed in all zoning districts, subject to the standards and requirements of this Section 1500.

b. Category Two: Category Two: A Wind Turbine greater than 40 feet and less than 200 feet in Turbine Height shall be considered an accessory structure requiring a special use permit which may be allowed in the B-4, I-1 and I-2 zoning districts east of Blue Star Highway, subject to the standards and requirements of this Section 1500.

4. SITE REQUIREMENTS:

a. All Wind Turbines shall be classified as an accessory structure to the primary use on the site and a Wind Energy Facility is not allowed within the corporate limits of the City of South Haven.

b. To minimize potential impact from ice throw or failure of any component, all Wind Turbines shall be set back from the nearest Occupied Building on a Non-participation Landowner property a distance not less than the normal setback requirements for the applicable zoning classification or a distance equal to three (3) times the Turbine Height, whichever is greater. The setback distance shall be measured from the center of the Wind Turbine base to the nearest point on the foundation of the Occupied Building.

c. To minimize potential impact from ice throw, all Wind Turbines shall be set back from the nearest Non-participation Landowner property line a distance of not less than the normal setback requirements for the applicable zoning classification or a distance equal to one and half (1.5) times the Hub Height combined with the Rotor Diameter, whichever is greater.

d. To minimize potential impact from ice throw, all Wind Turbines shall be setback from a public right-of-way, or private road/access easement controlled by those other than the Facility.

e. The minimum lot size for a Wind Turbine shall be two (2) acres and must meet required setbacks and all other standards of this Section 1510.35.

f. All Wind Turbines require a "wind access buffer" equal to a minimum of seven (7) rotor diameters from any other Wind Turbine.

5. WAIVER OF SECTION 1510.35(4) REQUIREMENTS:

In the event that an application for a Special Use Permit is submitted to the City requesting approval of a Wind Turbine that does not meet the minimum Site Requirements of Section 1510.35 subparagraph 4 above, said application shall be reviewed by the Planning Commission pursuant to Section 1500 with the additional requirement that said application must also be approved by the City Council and the action of the Planning Commission shall serve as a recommendation to the City Council which shall take final action on the application within 60 days of the Planning Commission's recommendation. Any such approval by the City Council shall be subject to the following requirements:

- a. Written evidence shall be provided to the City that documents how the proposed Wind Turbine shall not violate the Buffering Requirements of Section 1510.35 subparagraph 6 below.
- b. The Wind Turbine Operator shall install sound detection instrumentation that continuously collects data on a 24 hour/365 days a year basis to be located at a point along the proposed Wind Turbine Site boundary that is nearest to the closest Occupied Building of a Non-participation Landowner. Said data shall be maintained by the Wind Turbine Operator and provided to the City within 24 hours of the City requesting said data in written form.
- c. A written agreement shall be executed between the City and the Applicant for the proposed Wind Turbine that specifies how the operation of the wind Turbine shall be discontinued should the data indicate failure to meet the Buffering Requirements.

6. BUFFERING REQUIREMENTS:

- a. Audible sound from a Wind Turbine shall not exceed 40 dB(A) between the hours of 10:00 p.m. and 6:00 a.m. and 45 dB(A) between the hours of 6:00 a.m. and 10:00 p.m. Decibel readings shall be measured at the perimeter property lines on which the Wind Turbine is proposed and shall not exceed these readings for more than three (3) minutes in any hour of the day. Said sound level limitation shall not be exceeded at the property line on the nearest Nonparticipating Landowner's property. Wind Turbines greater than 40 feet in Turbine Height shall provide a noise analysis that shows the proposed turbine will not exceed this noise standard. Said Continuousackground Sound Level shall be established at time of application to document sounds during the quietest time of the night that the wind turbine will be able to operate and stated within the permit issued for a Wind Turbine.
- b. Vibrations from a Wind Turbine shall not be humanly perceptible beyond the turbine property and in no case shall the sound emanating from the Wind Turbine exceed 50 between the hours of 10:00 p.m. and 6:00 a.m. or 55 between the hours of 6:00 a.m. to 10:00 p.m. as measured at any adjacent property line.
- c. The applicant for a Wind Turbine greater than 40 feet in Wind Turbine Height shall provide a shadow analysis of the proposed Wind Turbine demonstrating that said shadow does not fall on any Occupied Building on a Non-participating Landowner's property.
- d. The applicant for a Wind Turbine greater than 40 feet in Wind Turbine Height shall provide a vibrations analyses which demonstrates that vibrations whether air or ground borne across the frequency spectrum of 0 to 160 Hz shall not be produced that are measurable at the perimeter Non-participation Landowner property lines that coincide with those on which the Wind Turbine is proposed.
- e. The applicant for a Wind Turbine greater than 40 feet in Wind Turbine Height shall

provide analysis demonstrating that there will be no disruption or loss of radio, telephone, television or similar signals, caused by the Wind Turbine.

f. All Special Use Permits approved pursuant to Section 1510.35 do hereby automatically include the authorization of the Zoning Administrator to order immediate operational shut down of any Wind Turbine found to be violating the above stated standards, and shall not allow said turbine to re-start until corrective action has been taken by the Facility Owner or operator.

g. The applicant for a Wind Turbine greater than 40 feet in Turbine Height shall provide an avian and wildlife impact analysis finding that no significant impact is anticipated and that the proposed location conforms to Michigan's Endangered Species Protection Law.

7. PERFORMANCE STANDARDS:

a. Building permits for all Wind Turbines must be issued to a licensed contractor and applications shall be accompanied by standard drawings of the Wind Turbine structure, including the tower, base, and foundation. An engineering analysis of the tower showing structural stability and compliance with the Building Code certified by a licensed professional engineer is required.

b. All Wind Turbines shall be equipped with a redundant braking system. This includes both aerodynamic over speed controls (including variable pitch, tip, and other similar systems) and mechanical brakes. Mechanical brakes shall be operated in a fail-safe mode. Stall regulation shall not be considered a sufficient braking system for over speed protection, and shall not be utilized.

c. All electrical components of the Wind Turbine shall conform to relevant and applicable local, state and national codes, and relevant industry standards.

d. Visual Appearance of a Wind Turbine Site shall conform to the following:

1) All Wind Turbines shall be supported by a monopole (monolithic tube style construction), painted a non-obtrusive color such as white, off-white or gray, or be supported by a building.

2) Wind Turbines shall not be artificially lighted, except to the extent required by the Federal Aviation Administration or other applicable authority that regulates air safety.

3) Wind Turbines shall not display advertising, except for one (1) sign no greater than two (2) square feet identifying the Turbine manufacturer, and one (1) sign no greater than two (2) square feet providing the owner's name, address and telephone number for emergency calls. Both signs must be located on the lowest 10 feet of the structure.

4) All on-site transmission and power lines shall be placed underground.

e. Installation Safety

1) A clearly visible warning sign concerning voltage must be placed at the base of all transformers and substations.

2) Guy wires for a temporary lattice tower supporting an anemometer shall have brightly colored and visible / reflective markings (i.e. flags, reflectors, or tape) placed on the anchor points of guy wires and along the guy wires up to a height of ten feet from the ground. Guy wires shall not be utilized for permanent Wind Turbine Towers.

3) Towers shall not be climbable up to twenty (20) feet above ground surface.

4) All access doors to Towers and electrical equipment shall be locked to prevent entry by non- authorized persons.

5) The lowest extension of any blade or other moving component of a Wind Turbine shall be a minimum of fifteen (15) feet above ground surface.

- 6) Wind Turbines greater than 40 feet in Turbine Height shall be equipped with ice detection sensors and rotor imbalance detection to trigger shut down of the Wind Turbine when ice or imbalance is present.
- f. Applications for Wind Turbines greater than 40 feet in Wind Turbine Height shall be accompanied with a survey by a licensed surveyor. Said survey shall show locations and heights of all adjacent buildings, structures and above ground utilities located within a distance equal to three (3) times the Wind Turbine Height from the base of the Wind Turbine.
- g. A site plan shall also accompany any application for Wind Turbines. In addition to all standard site plan requirements, said site plan shall show existing and proposed setbacks for the Wind Turbine from all structures located on the property where the Wind Turbine will be located. The site plan shall depict the setback of the Wind Turbine from any building and/or structure within a distance equal to three (3) times the Wind Turbine Height from the base of the Wind Turbine, regardless of whether or not the building is on the same property as the proposed Wind Turbine.
- h. No Wind Turbine shall be installed until evidence has been provided that the applicable utility company has agreed in writing to the applicant's intent to install an interconnected generator. Off-grid systems shall be exempt from this requirement.
- i. In the event that decommissioning is necessary, the following shall apply:
 - 1) The landowner, Facility Owner and Operator (if any) shall remain jointly and severally liable for the cost of the complete decommissioning of a Wind Turbine within twelve (12) months after the end of the useful life of the individual Wind Turbine. The individual Wind Turbine will presume to be at the end of its useful life if no electricity is generated for a continuous period of twelve (12) months.
 - 2) Decommissioning shall include removal of Wind Turbines, building, cabling, electrical components, roads, foundations to a depth of 36 inches, and any other associated facilities.
 - 3) Disturbed earth shall be graded and re-seeded.

* * *

SECTION 1732. HEIGHT EXCEPTIONS

No part of a single family or multiple family dwelling in a residential district shall exceed the height regulations of the district. The following non-residential buildings and structures shall be exempt from height regulations in all zoning districts, provided no portion of the excepted structure may be used for human occupancy:

1. Church spires, flagpoles, and monuments on government owned property, provided they do not exceed seventy-five (75) feet in height.
2. Those necessary appurtenances to mechanical or structural functions, such as chimneys and smokestacks, water tanks and water towers, elevator and stairwell penthouses, ventilators, bulkheads, masts, fire and hose towers, cooling towers, or other structures where the manufacturing process requires a greater height, provided these appurtenances do not exceed seventy-five (75) feet in height and are setback a distance from the property line at least equal to the height of the structure. Municipally owned water tanks and water towers are not subject to any height limitation.
3. Those structural extensions on buildings which are principally non-residential (such as downtown) and which are necessary for appropriate building design such as cornices or parapet walls may extend a maximum of four (4) feet above height limitations provided they have no window openings.

4. Public utility structures, including but not limited to utility poles, but not including communication towers, except upon receipt of a Special Use Permit (see Section 1510.08).
5. Agricultural buildings and structures, such as barns, silos, grain elevators and the like that do not exceed one-hundred (100) feet in height provided they are setback a distance from the property line at least equal to the height of the structure.
6. Wind Turbine Towers shall be permitted as regulated by Section 1742 and 1510.35.

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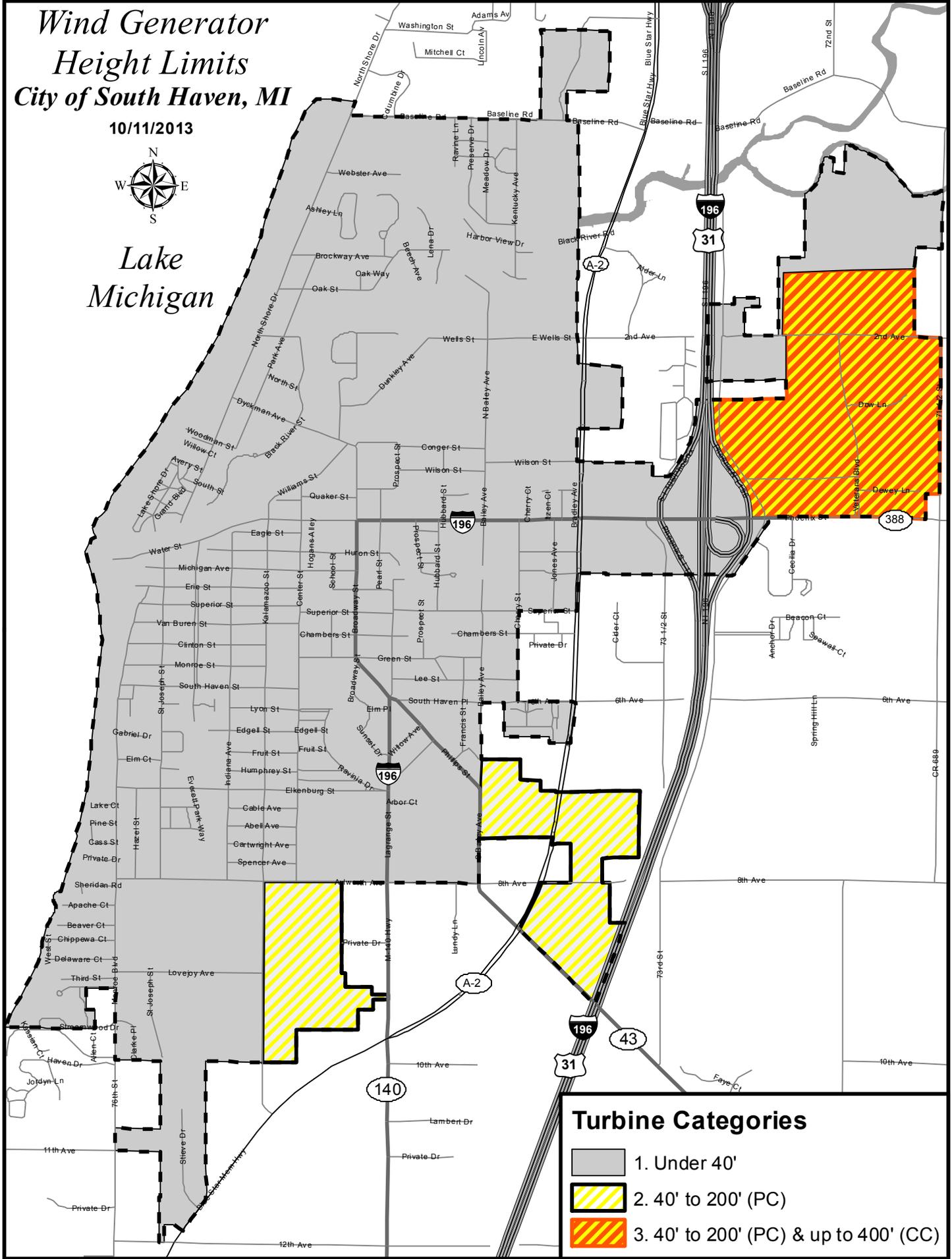
*

Wind Generator Height Limits City of South Haven, MI

10/11/2013



Lake
Michigan



Turbine Categories

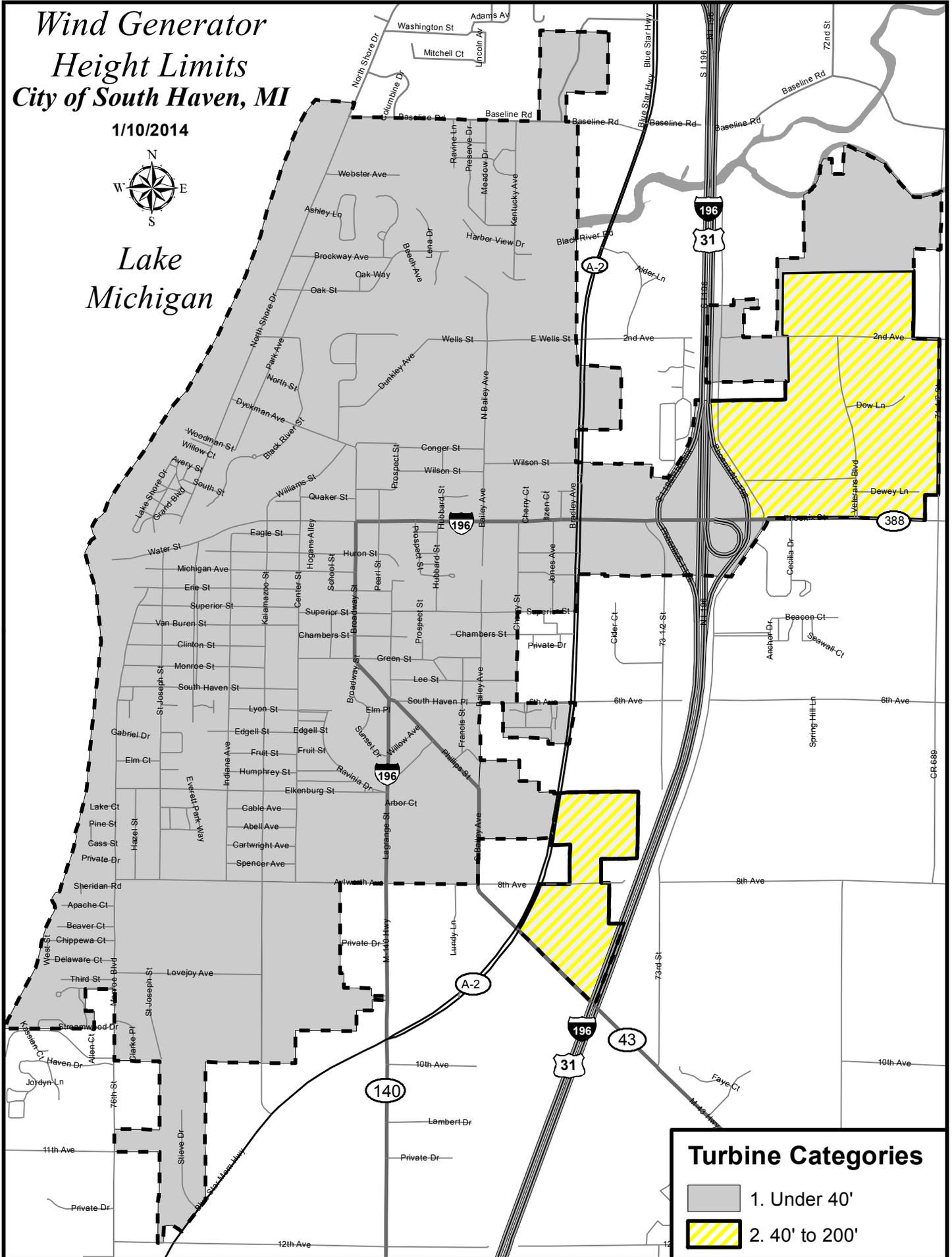
-  1. Under 40'
-  2. 40' to 200' (PC)
-  3. 40' to 200' (PC) & up to 400' (CC)

Wind Generator Height Limits City of South Haven, MI

1/10/2014



Lake
Michigan



Turbine Categories

- 1. Under 40'
- 2. 40' to 200'



Proposed Zoning Ordinance Amendment to Add Single Family Dwellings to the B-3 Zoning District Regulations

Background Information:

The planning commission considered this amendment to the B-3 zoning district after becoming aware that there were several scattered small lots in the zone unusable for any permitted use. During a review and drive through of the B-3 zone area, a subcommittee of planning commission members also found a number of single family homes existing in the zone which are currently in nonconformance with the zoning district requirements.

On January 9, 2014, the planning commission held a public hearing on the matter of adding single family residences on individual lots to the B-3 Waterfront Business regulations. A decision on the matter was delayed until the February 6 meeting in order to give the planning commission more time to consider comments heard and determine if additional changes were needed to the proposed amendment. At the February meeting, the planning commission voted unanimously to recommend approval of the amendment to the city council.

The proposed ordinance provides that only lots of a size or configuration not adequate to support other permitted uses should be made available for single family homes.

It is not the intent of this amendment to encourage redevelopment of existing waterfront businesses. Staff and planning commission realize the importance of water related businesses to the vitality of the city. Any proposed conversion of a current permitted use to a single family home(s) will need a special use permit from the planning commission. The application for that permit shall include a compelling argument that the proposed use is more beneficial to the community than the existing use.

Recommendation:

The city council has the option of moving the ordinance forward for adoption or to send the matter back to the planning commission for further study. The council may reject the amendment only after sending the matter back to the planning commission.

Attachments:

Proposed Zoning Ordinance Section 901 amendment (proposed text in **highlight**)
Planning commission minutes for January and February, 2014

Respectfully submitted,
Linda Anderson
Zoning Administrator

CITY OF SOUTH HAVEN
VAN BUREN AND ALLEGAN COUNTIES, MICHIGAN

ORDINANCE NO - ____

AN ORDINANCE TO AMEND THE OFFICIAL ZONING MAP OF THE SOUTH HAVEN ZONING ORDINANCE TO ALLOW FOR ONE FAMILY DETACHED DWELLINGS IN THE B-3 WATERFRONT BUSINESS ZONE.

The City of South Haven Ordains:

SECTION 1 Amendment: Section 901 of the South Haven Zoning Ordinance is amended to read as follows:

**ARTICLE IX
B-3 WATERFRONT BUSINESS DISTRICT**

SECTION 901. USE REGULATIONS

Land, buildings or structures in this zoning district may be used for the following purposes only, subject to the review and approval of a site plan by the Planning Commission:

1. Automatic teller machines when inside a building and accessory to another use.
2. Beaches and recreation areas, either municipal or private by special use permit.
3. Boat launching ramp.
4. Campgrounds, subject to compliance with the standards and procedures for establishing a Planned Unit Development as regulated in Article XIII.
 - a. The minimum size of the campground shall be three (3) acres.
 - b. Thirty (30%) percent of the campground shall be dedicated to open space for the common use of the residents. For purposes of calculating the open space percentage, areas set aside for common recreational use may be included; driveways and parking areas shall be excluded.
 - c. There shall be a traffic route which does not pass through a residential area, connecting the campground entrance with a public street with a minimum right of way of eighty (80') feet in width.
 - d. The campsites shall be set back from the property line a minimum distance of thirty (30') feet.
 - e. A recreational unit may be located at the campground for no more than twenty-one (21) consecutive nights. After five (5) nights out of the campground, the recreational unit may return again for no more than twenty-one (21) consecutive nights. A recreational unit shall not be located on the premises of a campground for more than forty-two (42) nights in any calendar year. Storage of recreational units for more than twenty-one (21) days is not permitted in a campground.
 - f. The recreational units (excluding tents) located at the campground shall be validly licensed as vehicles or trailers, and shall at all times be legal for use on roads and highways without requiring any special permits. The maximum allowable trailering width of a recreational unit is ninety six (96") inches. The

- campground owner shall establish the maximum allowable length of a recreational unit based on the available turning radii in the campground.
- g. There shall be a security fence surrounding the campground, with a minimum height of six (6') feet. There shall be security gates at the entrances.
 - h. Accessory uses and structures are allowed as part of the campground under the following conditions:
 - 1) Allowed uses are convenience store, snack bar, laundromat, or similar uses.
 - 2) The accessory use is intended for use of occupants of campground only.
 - 3) The accessory use must be centrally located in the campground, it shall not abut or adjoin a public street.
 - 4) No signs advertising the accessory use shall face public streets.
 - 5) The accessory use shall cease business operation when the campground is closed for the season; the accessory use shall only be open for business when the campground is operating.
 - 6) One structure is allowed to be used as an office.
 - 7) One mobile home is allowed in a campground as a caretaker's residence.
 - i. Home occupations are not permitted within the campground.
 - j. Campgrounds shall be licensed by the State of Michigan, including as required in Act 368 of 1978, the Public Health Code. The City may enforce the provisions of the Public Health Code.
 - k. A Planned Unit Development shall not be licensed as both a campground and a seasonal mobile home campground.
 - l. The maximum number of sites per acre of total campground area is 12 sites per acre.
 - m. The minimum area of each site is one-thousand-three-hundred (1300) square feet.
 - n. All driveways and parking areas shall be paved with bituminous or concrete paving. Two paved parking spaces shall be provided for each campsite.
 - o. Each entrance and exit to and from the campground shall be located at least twenty-five (25') feet distant from adjacent property located in any single-family residential district.
 - p. There shall be no vehicle access to the campground except through designated common driveways, unless an access for use only by emergency vehicles is approved as a condition of development approval.
 - q. Screening shall be provided along side yards, rear yards and any part of the parcel which abuts a public or private right of way. Screening shall be maintained in a living condition and shall consist of 1) a compact hedge of deciduous or evergreen trees which reach a minimum of five (5) feet in height and five (5) feet in width after one growing season; or 2) a solid wall or tight board fence six (6) feet in height.
 - r. The campground owner or applicant must research and show proof that the campground will not overload available roadways, utilities and drainage, including a study which estimates peak loads and shows that there is excess capacity in city utilities, streets and drainage to service the campground.
 - s. The City Fire Marshal may prohibit campfires as part of site plan approval.
- 5. Convenience store.
 - 6. Dwelling above permitted use according to the standards in Section 601.16.

7. Marinas and marine services.
8. Miniature or par 3 golf course.
9. Motels, hotels or resort motels or hotels when authorized as a special land use (see Section 1510.22 and Section 1738). (Amended 8/21/06, Ord. 946)
10. Parking lots by special use permit.
11. Planned Unit Development which contains a mix of land uses including any use permitted by right in this district and one or more of the following land uses according to the requirements of Article XVIII:
 - a. Attached and semi-detached dwelling units including dwellings known as townhouses or condominiums, among other names, subject to conformance with the following standards:
 1. Each dwelling unit shall have one (1) floor at ground level.
 2. No more than four (4) dwelling units shall be attached in any construction group, or contained in any single structure, except that where the roof ridge lines and building facades of any four (4) consecutive units are staggered or offset by at least ten (10) feet, then a maximum of eight (8) units may be permitted.
 3. The site plan shall be so planned as to provide ingress and egress directly onto a major or minor thoroughfare, except when the Planning Commission finds, upon review of the site plan, that ingress and egress directly onto an adjacent minor street will not be detrimental to the harmonious development of the adjacent properties.
Where feasible, the Planning Commission may require that ingress-egress to parking facilities be provided from adjacent alleys so as to minimize curb cuts directly onto the major or minor thoroughfares.
 4. The site plan shall be so planned as to recognize yard and general development relationships with adjacent land uses. The Planning Commission may recommend physical features to be provided which will insure harmony in these relationships.
 - b. Multiple-family dwellings and apartments where not all the units are at ground level. (Amended 6/6/05, Ord. 933)
12. Private clubs, fraternal organizations, lodge halls and convention halls.
13. Recreation centers and facilities by special use permit.
14. Restaurants, lounges or other places serving food or beverage, except those having the character of a drive-in.
15. Retail uses.
16. Accessory buildings and structures customarily incidental to the above uses.
- 17. One family detached dwellings on existing lots when it is documented that the development of any other permitted use is not possible due to lot size or configuration.**

Conversion of an existing permitted use to single family homes on individual lots is not permitted without a special use permit from the planning commission. In addition to the standards found in Section 1502 of this ordinance, the applicant shall demonstrate that the conversion is of substantial benefit to the city of South Haven and the waterfront business community.

SECTION 2

If any portion of this ordinance is for any reason held invalid, such decision shall not affect the validity of the remaining provisions of this ordinance.

SECTION 3

This ordinance shall be in full force and effect from and after its passage and publication as provided by law.

SECTION 4

This ordinance shall take effect ten (10) days after its adoption or upon its publication in the *South Haven Tribune*, whichever occurs later.

INTRODUCED by the City Council of the CITY OF SOUTH HAVEN, MICHIGAN on this ---- day of -----, 2014.

ADOPTED by the City Council of the CITY OF SOUTH HAVEN, MICHIGAN on this __day of _____, 2014.

Robert G. Burr, Mayor

CERTIFICATION

I, Amanda Morgan, Clerk of the City of South Haven, Van Buren County, Michigan do hereby certify that the above Ordinance was adopted by the South Haven City Council on the __ day of _____, 2014; and the same was published in a paper of general circulation in the City, being the *South Haven Tribune*, on the __ day of _____, 2014.

Amanda Morgan, City Clerk

Planning Commission

Regular Meeting Minutes Thursday, January 9, 2014 7:00 p.m., Council Chambers (Excerpt)



City of South Haven

1. Call to Order by Paull at 7:00 p. m.

2. Roll Call

Present: Frost, Heinig, Miles, Smith, Wall, Webb, Paull
Absent: Peterson

Motion by Wall, second by Smith to excuse Peterson.

All in favor. Motion carried.

New Business – PUBLIC HEARINGS (Paull asked that all hearings be held prior to any decisions. All members agreed.)

A. A zoning ordinance text amendment to add One Family Detached Dwellings to the list of uses permitted in the B-3, Waterfront Business Zone.

Motion by Wall, second by Smith to open the public hearing.

All in favor. Motion carried.

Anderson introduced the proposed zoning ordinance amendment. Single family homes are permitted at present in the B-3 zone but only as part of a planned development; this amendment would allow an individual single family home on an individual lot.

The sub-committee added this proposal after doing a study; driving around to see the uses in the B-3 zone. It was noted that there are several lots that are large enough for single family homes but not for any commercial use. There are currently existing, non-conforming single family homes, which means the owners of those properties may have difficulty getting a variance to expand or improve their property or even experience difficulties acquiring insurance.

This amendment would allow people who own those lots to come in and ask for a dimensional variance to put that single family home in.

Anderson read the specific caveats of the above referenced amendment:

1. One family detached dwellings on existing lots when it is documented that the development of any other permitted use is not possible due to lot size or configuration.
2. Conversion of an existing permitted use to single family homes on individual lots is not permitted without a special use permit from the planning commission.
3. In addition to the standards found in Section 1502 of this ordinance, the applicant shall demonstrate that the conversion is of substantial benefit to the city of South Haven and the waterfront business community.

Those would be requirements before anything could be taken out of a current permitted use and put into a single family residential use.

Paull requested public comments.

Elaine Herbert, 140 N. Shore Drive. Thanked Anderson for putting her comments in the packet and the board for reading them. Noted that B-3 Waterfront Business is a restrictive zone for many serious reasons and does not feel the Planning Commission should be backing into such areas as Zoning Ordinance uses. The Waterfront Business district is precious to this town. Herbert requested that such changes be left to the Zoning Board of Appeals and that the Planning Commission should not let there be a gaping exception to the existing uses and zoning.

John Marple, 515 Williams Street #9. Noted the resolution from Old Harbor Village Condominium Association. Stated that when the resolution was drafted Marple did not understand this particular subject. Anderson and Marple had not spoken, so Marple wants to inform the commission that paragraph four (4) of our resolution could be stricken from the record.

Motion by Wall, second by Smith to close the public hearing.

All in favor. Motion carried.

Planning Commission

Regular Meeting Agenda

Thursday, February 6, 2014

7:00 p.m., Council Chambers

(Excerpt)



City of South Haven

1. Call to Order by Paull at 7:00 p.m.

2. Roll Call

Present: Heinig, Miles, Peterson, Wall, Webb, Paull

Absent: Frost, Smith

Anderson noted that both Frost and Smith had notified her of their inability to attend.

On motion with second, Frost and Smith were excused.

All in favor. Motion carried.

3. Unfinished Business – Discussion of following items from the January agenda:

- A. A zoning ordinance text amendment to add One Family Detached Dwellings to the list of uses permitted in the B-3, Waterfront Business Zone.

Paull questioned the size of lots required for one family detached dwellings in the B-3 zone. Anderson reviewed the proposed requirements for single family homes in the B-3 zone.

Paul pointed out that the proposed addition to the B-3, Waterfront Business zone would not put at risk the zone continuing as a waterfront business district. The Planning Commission sub-committee recognized approximately fifteen (15) single-family homes already in the zone plus another dozen lots that are too small to develop as a waterfront business but could possibly be used for a single family home site under the conditions as stated.

Motion by Wall, second by Miles to recommend to city council the approval of the proposed amendment to Article IX, B-3, Waterfront Business District, Section 901 Use Regulations of the South Haven Zoning Ordinance as follows:

“One family detached dwellings on existing lots when it is documented that the development of any other permitted use is not possible due to lot size or configuration.

Conversion of an existing permitted use to single family homes on individual lots is not permitted without a special use permit from the planning commission. In addition to the standards found in Section 1502 of this ordinance, the applicant shall demonstrate that the conversion is of substantial benefit to the city of South Haven and the waterfront business community.”

All in favor. Motion carried.



Conservation Conversation

The Van Buren Conservation District is a unique local unit of government that is fostered by five very supportive, elected Board of Directors. The day-to-day successes are made possible by eight hard-working, knowledgeable staff that are dedicated to the mission and passionate about their programs. The team that we have here at our District is outstanding and shines among Districts in Michigan.

Year 2013 may have been our best year yet! Our conservation technicians were on hundreds of local farms working with producers on farm practices, renting farm equipment, and encouraging Best Management Practices like no-till and cover crops. Technicians hosted farm field days, verified environmentally sound farms, wrote conservation and emergency plans, and promoted education and research that will be beneficial to farmers and the environment. Our watershed coordinators worked hard to restore and protect many acres of wetlands, educated the public on natural shorelines on our inland lakes and started a new grant working with the local Drain Commissioner on a program to benefit the water quality in county drains that lead into our local waterways. The District has grown the county's Resource Recovery Program and was able to collect and properly recycle thousands of pounds of household hazards, tons of electronics, hundreds of tires and is working with local schools on setting up great recycling programs.

Members of our team have been recognized by many partnering organizations. Dr. Carl Druskovich, Board of Directors Vice Chair, was nominated for "Director of the Year" for his outstanding support of the District and was acknowledged at the Michigan Association Conservation District's Annual Meeting. Dr. Carl was also awarded the "Farm Stewardship Award" from our local Van Buren Farm Bureau as well as Colleen Forestieri, Conservation Technician, received the "Ecology Champion" of the year award. The Van Buren Conservation District was nominated for "Michigan Agriculture Environmental Assurance Program (MAEAP) Grant Host of the Year" by the Michigan Department of Agriculture and Rural Development for the dedicated work our MAEAP technicians do in the field and the extra effort put forth for the success of programs for Michigan farmers.

The Van Buren Conservation District continues making strides to educate and make a difference in our community.

Best regards,
AJ Brucks
Executive Director

VBCD Financials for 2013

Kim Sinclair, Administrator

Primary Supporters



REVENUES

| | |
|--|----------------------|
| Federal Grants | \$ 169,067.47 |
| State Grants | \$ 192,656.50 |
| Local Contributions & Grants | \$ 133,995.64 |
| Charges for Services | \$ 27,888.70 |
| Interest & Rentals | \$ 21,981.57 |
| Other Revenues | \$ 65,472.61 |
| Indirect Income from Grants | \$ 63,008.59 |
| Tree Sales | \$ 19,250.29 |
| Total Revenue & Other Sources | \$ 693,321.37 |

EXPENDITURES

| | |
|--|----------------------|
| 281 Operations | \$ 105,105.66 |
| 280 Resource Recovery | \$ 11,105.10 |
| 282 MAEAP | \$ 133,059.10 |
| 295/295.1 CTAI | \$ 59,597.40 |
| 278 PPBRWP | \$ 161,447.74 |
| 279 Nature Conservancy Coke-Cola | \$ 24,141.15 |
| 277 World Wildlife Fund | \$ 28,577.89 |
| Cost of Goods Sold | \$ 5,232.95 |
| 276 Southwest MI Planning - GLC | \$ 54,091.11 |
| 287 Drain Commission | \$ 8,626.99 |
| 291 Michigan Natural Shoreline | \$ 5,301.35 |
| 291.1 Model Lake Ordinance | \$ 2,318.40 |
| 294 Reforestation | \$ 12,556.74 |
| 296 Critical Dune Remediation | \$ - |
| Total Expenditures & Other Uses | \$ 611,161.58 |
| Net Revenues (Expenditures) | \$ 82,159.79 |
| Beginning Fund Balance | \$ 461,573.30 |
| Ending Fund Balance | \$ 543,733.09 |

*Based on unaudited numbers

Special Thanks

A very special thanks to our Board of Directors for supporting the Van Buren Conservation District and for being so passionate about our mission. Without an active Board, we would not be able to accomplish what we do everyday in our community and for our natural resources. On behalf of the Van Buren Conservation District Staff, we thank you.



2013 Board Of Directors

Bryan Cronemwett, Chair,
 Carl Druskovich, Vice Chair
 Shirley Bush, Treasurer,
 Jan Petersen, Secretary
 Mike Rainey, Member

Michigan Agriculture Environmental Assurance Program

Kyle Mead, MAEAP Technician

Van Buren County



Kyle has been working for the VBCD since October of 2004, serving as the technician for the Michigan Agriculture Environmental Assurance Program (MAEAP), a grant through the Michigan Department of Agriculture and Rural Development (MDARD). He is a specialist in MAEAP Verifications, irrigation, and small fruit, and is also a member of Michiana Irrigation Association and the Local Emergency Planning Committee for Van Buren County.

The goal of the MAEAP Program is to offer free, confidential, and non-regulatory farm assessments to assist farmers in complying with state and federal laws and Michigan Right to Farm Guidelines. Farm*A*Systs are assessments that evaluate practices done at the Farm/Homestead such as Fertilizer Storage, Fuel Storage, Pesticide Storage and Well Isolation. A Crop*A*Syst works the same as a Farm*A*Syst, in that there are Assessment Questions pertaining to specific practices, but the Crop*A*Syst covers practices in the field such as Pesticide, Fertilizer, and Irrigation Recordkeeping.

- **Farm*A*Systs completed in FY 2013 – 28**
- **Crop*A*Systs completed in FY 2013 – 4**
- **Orchard*A*Systs completed in FY 2013 – 22**
- **Livestock*A*Systs completed in FY 2013 – 1**
- **MAEAP Verifications in FY 2013 - 24**

*FY 2013 year end percentage:
324% of required deliverables completed*

Practices found with the potential to cause adverse environmental impacts are logged in the Farm*A*Syst or Crop*A*Syst as a 'to-do list' for the producer and MAEAP Technicians to complete. When a potential impact is reduced it is known as a Risk Reduction. Risk Reductions can be the closing an unused well, pouring a concrete pad for the transfer of fuels, or erecting a building designed specifically for fertilizer and pesticide storage.

- **Risk Reductions completed in FY 2013 – 311**

Once a farm has completed a Farm*A*Syst or a Crop*A*Syst, evaluated and reduced all risks on their farm, they can then become MAEAP Verified by MDARD. A MAEAP Verification is recognition from the State that all practices, procedures and operations done on the farm are environmentally sound according to Michigan's Generally Accepted Agricultural Practices (GAAMPS). Producers obtaining this Verification may choose to post a sign at their farm site to let friends, neighbors, and customers know that environmental stewardship is important to the farm owners and operators. A MAEAP Verification also comes with marketing opportunities as well as legal protections for MAEAP Farmers that maintain MAEAP Standards.

- **MAEAP Verifications completed in FY 2013**
 - Farmstead System Verifications – 10
 - Cropping System Verifications – 13
 - Livestock System Verifications - 1



*Congratulations to farms that
were MAEAP verified in 2013!*



*Michigan Agriculture Environmental Assurance Program
Abbey Dorr, MAEAP Technician
Cass County*



Ag Affair VII at Sparks Cedar Lee Farm

Abbey Dorr serves as the Michigan Agriculture Environmental Assurance Program (MAEAP) Technician for the Michigan Water Stewardship Program covering Cass County. Abbey is also the Livestock Specialist covering Southwest MI.

MAEAP is an innovative proactive program that helps farms of all sizes and all commodities voluntarily prevent or minimize agriculture pollution risks. It teaches farmers how to identify and prevent environmental risks and to comply with state and federal environmental regulations.

To become MAEAP verified, farmers must complete three comprehensive steps which include attending an educational seminar, conducting an on-farm risk assessment (Farm*A*Syst, Crop*A*Syst etc), and passing a third party on- farm verification.



Abbey gets inducted as an Honorary Member to the Van Buren Technology Center FFA Chapter

Accomplishments

- 23 Farm*A*Systs
- 16 Crop*A*Systs
- 20 Livestock*A*Systs
- 2 Fruit*A*Systs
- 5 MAEAP Verifications
- 176 Risk Reductions



Groundwater Presentation at Berrien 5th Grade Natural Resource Day



In 2013 The Van Buren Conservation District completed a three-and-a-half-year grant from the Michigan Department of Environmental Quality through the U.S. EPA Federal Clean Water Act. The grant supported activities focused on wetland protection and restoration and builds off the watershed management plans developed for the Paw Paw and Black River Watersheds. The project had three main focus areas: wetland protection, wetland restoration, and outreach & education.

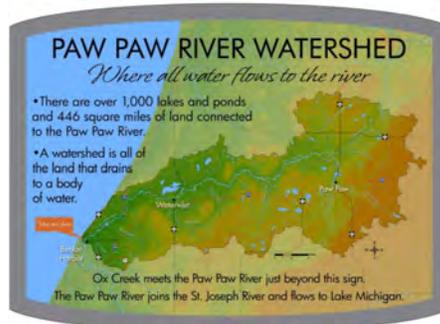


Wetland restoration , before



Wetland restoration , after

Grant Amount: \$698,917
Match Funds: \$723,654
Total Amount: \$1,422,571



Project Highlights

- Wetland protection: 874 acres (418.6 of which are existing wetlands) permanently protected with conservation easements.
- Wetland restoration: 6.4 acres of land were restored to wetland conditions. Project partners restored an additional 63 acres of wetland.
- Total suspended solids reduced/prevented: 120,512 lbs/year
- Phosphorus reduced/prevented: 138.3 lbs/year
- Nitrogen reduced/prevented: 2,234.2 lbs/year
- Mailed letters/brochures to top 300 wetland landowners
- Held 8 workshops for landowners and municipal officials
- Held 20+ meetings with municipal officials
- Created a GIS-based wetland prioritization model
- Developed educational video clips
- Installed educational signage

Partners involved

- Southwest Michigan Land Conservancy
- Two Rivers Coalition
- US Fish & Wildlife Service
- Ducks Unlimited
- Van Buren County Drain Commissioner
- Sarett Nature Center
- Harbor Shores
- Revolution Designs
- Landowners
- Southwest Michigan Planning Commission
- Van Buren County Road Commission



Michigan Natural Shoreline Partnership Outreach and Model Ordinance Development

Erin Fuller, Watershed Coordinator

The Van Buren Conservation District was awarded an 18-month, \$20,000 grant from the Michigan Department of Environmental Quality to support the Michigan Natural Shoreline Partnership, a statewide initiative promoting natural shoreline landscaping to protect Michigan's inland lakes.



Activities include:

- assisting with the writing and distribution of *Landscaping for Water Quality*, a booklet for homeowners
- distributing educational materials statewide to priority townships and lake associations
- assisting in developing measures of success to track the progress of the Michigan Natural Shoreline Partnership

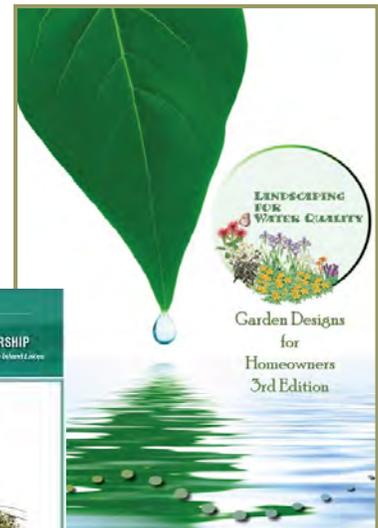
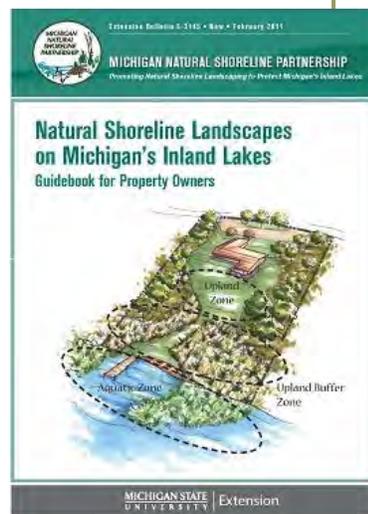
We were also awarded a separate 3-year, \$30,000 grant from the Michigan Department of Environmental Quality to develop model ordinances for inland lake protection.



Certified Natural Shoreline Professionals install a demonstration site on Maple Lake in Paw Paw, June 2013

Activities include:

- Developing model ordinances
- Creating a "toolkit" for communities to support the ordinances (educational materials, tips for enforcement, etc.)
- Distributing 500 copies of the model ordinance toolkit statewide



Agricultural BMP & Fieldprint Calculator Programs

Paw Paw River Watershed

Colleen Forestieri, Conservation Technician



Photograph by TNC Archives

Colleen Forestieri, VBCD, listing the many benefits of No-Till practices to a group

Colleen Forestieri is in her second year with the District working to improve ground and surface water quality through the promotion of Best Management Practices (BMPs) on Corn and Soybean ground – no-till, cover crops, filter strips & wetland restoration. In addition to her original outreach tools, efforts and goals, Colleen is working to promote the Fieldprint Calculator. The Calculator is an online tool that gives growers the chance to compare their grain operations to others in the state, county and watershed using real data from their farm inputs. With a goal of 75 growers, we'll also be able to get an in-depth look at the overall impacts to our watershed and where we can best focus our efforts in promoting conservation to local growers. Colleen has also been working to promote the District's newest piece of rental equipment, a 2011 John Deere No-till corn planter, which was donated by the Coca-Cola Company and The Nature Conservancy. The planter was rented out in 2012 & 13 to a number of Van Buren landowners who implemented almost 1,700 acres of no-till practices. Colleen was recently honored with the Farm Bureau 2013 Ecology Champion Award for her work with the District.

BMPs and Potential Acreage as a result of BMP Outreach:

- Wetland Restoration — 94.5 acres into WRP
- Conservation Cover & Cover Crops — 763.5 acres
- Conservation Tillage & No-Till — 1106 acres
- Filter Strips — 23.5 acres/5 landowners

Estimated Groundwater Recharge:

134,795,478 total gallons of water

Estimated Sediment Reduction:

2492.4 total tons of erosion saved from water bodies

Information & Education Activities:

- Annual Spring Field Day for Growers
- Recruiting for Fieldprint Calculator
- Managed No-Till Rental Equipment schedule
- Recruiting for Sediment Reduction Grant
- Managing contracts for Groundwater Grants
- Working with Drain Commissioner on Buffer Programs
- Recruited for Farming for the Future

Partners:

- *The Nature Conservancy
- *The Coca-Cola Company
- *VB County Drain Commission
- *NRCS
- *SW MI Planning Commission
- *World Wildlife Fund
- *Field to Market



Left: No-till soybeans with more than 90% residue coverage. Residue on surface helps to reduce erosion, hold moisture and build soil. Right: Colleen with Farm Bureau's Tod Kubisaz, receiving the 2013 Ecology Award for her work with getting BMPs on the ground in Van Buren Michigan.





*Conservation Technical Assistance Initiative
Mike Wozniak, Conservation Technician*

Mike Wozniak discussing key points with a landowner.

Conservation Technical Assistance Initiative (CTAI) work is performed under the technical guidance of the NRCS District Conservationist. This work is primarily focused on individuals in the agricultural community to provide on-site technical assistance for the implementation of conservation measures; completes surveys, designs, and layouts for construction of practices; inspects construction to determine adherence to specifications. These practices include, but are not limited to, pest, nutrient and irrigation management, prescribed grazing, tree and shrub establishment, agrichemical handling facilities, fencing, waste storage, grassed waterways, grade stabilization structures and heavy use area protection (HUAP's).

The CTAI grant also allows for the technician to work closely with the MAEAP Program to offer free, confidential, and non-regulatory farm assessments to assist farmers in complying with state and federal laws and Michigan Right to Farm Guidelines.



Mike Wozniak inspecting a chemical building (left) and pile of aggregate (right) to ensure its completion to standards and specifications.



Mike was commended by the NRCS for revising and completing a heavy workload, ensuring the Paw Paw Field office stays in state compliance.



Mike Wozniak overlooking a completed Seasonal High Tunnel, with a very happy landowner.



Conservation Partnership Federal Farm Bill Program Information

Each year, the Conservation District works directly with the USDA - Natural Resources Conservation Service (NRCS) to administer Federal Farm Bill programs such as the Environmental Quality Incentives Program (EQIP), the Conservation Reserve Program (CRP), Conservation Stewardship Program (CSP), Wildlife Habitat Incentives Program (WHIP) and the new Agriculture Water Enhancement Program (AWEP) that funds projects specifically in our small region. These programs not only offer valuable technical assistance to Van Buren County farmers and landowners, helping them become better stewards of the land, but also contribute to the local economy by bringing in federal dollars to fund conservation practices. This money has a direct impact on the success of local farms, businesses and contractors. The figures below represent the federal cost share dollars brought into Van Buren County as a result of this partnership and the farm bill programs.

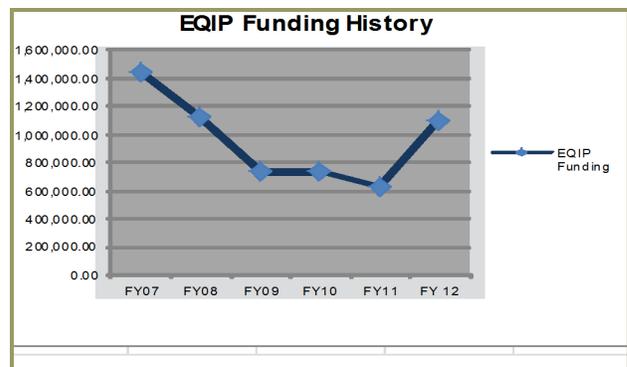
In FY2013, the program delivered approximately \$15.4 million in program benefit practices in Michigan through the Farm Bill. The VBCD and Paw Paw Service Center NRCS had 63 contracts on 2,895 acres with a total cost share payout of \$1,044,479.

The **Environmental Quality Incentives Program (EQIP)** is by far the most popular farm bill program in Van Buren County. Since FY2007, over **\$6 Million** dollars of federal funding has been allocated to Van Buren County landowners through the EQIP program alone.

Total amount of farm bill program funding obligated to Van Buren County landowners in 2013: \$1,044,479

Some of the more common practices funded through the EQIP program include (but not limited to):

- Irrigation Water Management
- Pest and Nutrient Management
- Agrichemical Containment Facility
- Cover Crops
- Heavy Use Area Protection
- Prescribed Grazing
- Grade Stabilization Structure
- Windbreak/Shelterbelt Establishment
- Invasive Species control/removal
- Stream Crossings





Tree Seedling Sale and Native Plant Palooza

The Native Plant Palooza was a terrific day with tons of fun. The air was filled with music by Vince Miller, powered by Four Elements Energy's mobile solar generator. Beautiful native plants were available from Hidden Savanna Nursery, as well as a great rain barrel building workshop, The Fresh Food Fairy, who used her bike powered blender to whip up some tasty treats, and many vendors who set up to show their products and encourage gardening and native plants. Almost 900 native plants found their way home to Van Buren County yards.



Erin Fuller discussing natives with a customer

Why we encourage natives: native plants are adapted to Michigan's unique soils and climate, they often require less water and fertilization, and are generally lower maintenance once established. Natives can be used in any landscaping situation, from your yard to your back 40, shoreline stabilization to raingardens. Proceeds from the Native Plant Sale directly support the educational programs and projects hosted by the Conservation District.

THANK YOU to staff and volunteers that helped prepare thousands of trees for our annual seedling sale.

Tree Seedling Sale in April

Despite the terrible weather, over 23,000 trees and shrubs were sold to be used in projects such as: windbreaks, wildlife plantings, reforestation, stream stabilizations, landscaping and beautification. Trees benefit all of us from the air we breathe to the shade we sit in!



Left over tree seedlings were donated to many Van Buren County District Schools to allow elementary kids to properly celebrate Arbor Day. Children were able to take home a tree to plant in his or her own backyard.





Van Buren County Resource Recovery Program

Chemists from Drug and Lab separate, weigh and properly package hazards

The Resource Recovery Program is growing in Van Buren County. Two Household Hazardous Waste Collections were held in 2013; one in Paw Paw and the other in South Haven. Many townships, villages and cities supported their residents by pledging monies to help recycle collected materials and residents from almost all municipalities participated in bringing household hazards to the collection. Almost 10,000 pounds of hazardous waste was collected and properly recycled. Along with hazards such as oil based paints, batteries, fluorescent bulbs, and cleaners, thousands of electronics were dropped off overflowing a 40 yard container.

The Van Buren Conservation District would like to thank Van Buren County Commissioners, Administrator and Community for supporting this great program.



Overflowing electronics taken to Padnos Recycling for recycling

Semi trailer from Deer Path Recyclers full of passenger tires

Van Buren County and Van Buren Conservation District are partners of the Southwest Michigan Solid Waste Consortium (SWMSWC). For the past two years the Consortium has been awarded a Scrap Tire Recycling Grant from the State of Michigan. Last year, 23,000 passenger tires were recycled in our region, and this year was another success. Almost two semi load trailers were filled from Van Buren County residents at the 2013 fall collection. The Clean Sweep grant from the State also had it best year ever. Granted funds of \$39,735.00 were used to properly recycle pesticides and mercury in Berrien, Cass, Van Buren and a special collection in Branch County.

Safely dispose of your household hazardous waste!

- OIL BASED PAINTS
- PESTICIDES, GARDEN & LAWN CHEMICALS
- BATTERIES
- HOUSEHOLD CLEANERS
- AUTOMOTIVE CHEMICALS
- ANTIFREEZE
- FLUORESCENT BULBS
- SOLVENTS & PAINT THINNERS
- AEROSOLS
- GASOLINE & KEROSENE
- MERCURY & MERCURY DEVICES
- PHARMACEUTICALS & SHARPS
- REACTIVE & CORROSIVE
- PASSENGER TIRES (Reservation Required - Limited Qty's Accepted)
- COMPUTER ELECTRONICS
- TELEVISIONS (CONSOLE TV'S ARE NOT ACCEPTED)
- ANY ELECTRIC DEVICE THAT HAS A PLUG
- WALKERS/CANES/EYE GLASSES & HEARING AIDS
- AMERICAN FLAGS

Cost is \$1.70 per pound of household hazardous waste materials unless you are a resident of a participating municipality. Items marked with a ♻️ are free to recycle. Call the VECG at 269.657.4030 x5 for more information or to make an appointment for drop off, or visit www.vanburencd.org.

Proudly Sponsored By the

SEPT. 28, 2013
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Clean Sweep Farm and Home Pesticides

The Van Buren Conservation District has partnered with The Community Thrift Shop in Paw Paw and Universal Recycling Technology to offer year round E-waste recycling. This collection site offers residents a free and convenient way to recycle unwanted electronics and appliances (anything with a cord). All items collected are recycled properly and the waste is diverted from the landfills.



Year round-Electronic Recycling at the Community Thrift Shop in Paw Paw

Promoting and Protecting Our Natural Resources

Agricultural Conservation Education

Brillion Seeder



17 farmers and 250 acres later the Brillion Seeder has traveled all over our county.

No Till Planter



Our no-till corn and soybean planter had a great season, out and about in the whole county. Eleven farmers were able to rent and no-till their crops on nearly 500 acres.

No Till Drill



The Truax No-Till drill planted over 75 acres of land in Van Buren County.



AJ Brucks and Colleen Forestieri with "Don't Farm Naked" t-shirts

a very popular "Don't Farm Naked, Plant Cover Crops" t-shirt!

Beers, Burgers & BMPs

Many District grants promote no-till, cover crops and buffer strips that helps maintain soil's organic matter and keep sediment from blowing or washing off a field into our local waterways. Some of these grants offer incentive monies to encourage landowners to try these Best Management Practices (BMPs). Grain farmers around the Paw Paw River Watershed were invited out to TJ's Bar and Grill in Watervliet to hear about our programs that pay for conservation practices on their farm. Farmers that attended were bought a beer, burger and were given

Cover Crop Co-Op

1600 acres of cover crops were flown on this year by Nick's Flying Service out of Indiana. Seed was dispersed before the crop was harvested which will allow a cover of annual rye grass into the spring. This was a first year Co-Op that will be available again next year.



Nick's Flying Service

Farming for the Future

The annual "Farming for the Future" conference held in Lawrence brought in residents from Van Buren, Cass, Allegan, and Kalamazoo Counties. Topics were geared for every agricultural producer from the starting farmer to the farmer that has been in agriculture for generations. Knowledgeable speakers presented on issues including emerging pest management issues, conservation programs, residue management and creating healthy organic matter on the farm, cover crops, hops in Michigan, and water as a crop. The keynote speaker, Lori Evesque from Tillers International, presented on "Animal Power on the Farm- Relevant Today, Anachronism, or Only for the Third World?". A great slide presentation showed the changes from past agriculture practices that are still the main way of farming



across the world, and how animal power works and benefits the farm. Between eighty and one hundred people attend the yearly conference and were able to take home valuable information about ways to improve their farm.

Cover Crop Test Plots

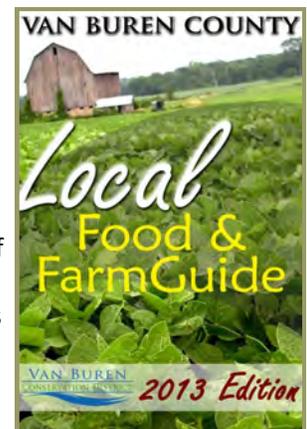
Conservation Technician Colleen Forestieri, worked with board member Carl Druskovich to plant six different species of cover crops at four different times of the fall to see which mixes established better in a Michigan temperate zone. Test plots were at the Druskovich Farm in Decatur. Local producers were invited out to the test plots the following April to see the results.



Cover crop test plots

Supporting Local Food & Farms

Buying local keeps your money in your community. It is not only beneficial to the farmer, it is beneficial to your health. The Van Buren Conservation District distributed 7000 Local Food and Farm Guides in 2013. These reached the hands of many of our county residents and visitors, which increases business at our local farms and encourages folks to have healthy, fresh and local foods in their homes.



Promoting and Protecting Our Natural Resources

Conservation Education

Annual Meeting-Summer Farm Day and Picnic

The Van Buren Conservation District staff and board gave two awards out at our Annual Summer Farm Day and Picnic to recognize a person or persons that have made a difference in the Van Buren County community.

Dave Foerster, president of Two Rivers Coalition (TRC), was awarded as “Conservationist of the Year” for his hard work and dedication to creating awareness of water quality, importance of wetlands and stewardship for the entire region. Dave recently put a conservation easement on his property in Waverly Township that will allow his land to be permanently protected and wetlands that benefit our water quality and wildlife forever.

George Kusmack was awarded the “Farmer of the Year.” George has been working with many of our conservation programs to improve conservation on his own farmland. He has implemented almost 300 acres in no-till, uses cover crops, supports District events and has helped out with the rental of the no-till corn planter.

With friends, family, partners and community residents we celebrated our great accomplishments at the Rainey Farm in Bangor. Local food was served, local flowers decorated the farm, and a good time was had by all. A big thank you goes to the Rainey Family for hosting our event this year.

Michigan's
Critical Dune-
Vegetative
Removal
Assurance
Program

the State of Michigan.

The Van Buren Conservation District reviewed permit applications for uses in critical dune areas in 2013. The District works with landowners, landscapers, contractors and builders to encourage the least amount of impact and damage to critical dunes. Protection of Michigan's Critical Dunes is a priority to Conservation Districts.

Michigan's shoreline is a showcase for 275,000 acres of sand dune formations. These windswept dunes represent the largest collection of freshwater dunes in the world. Michigan dunes are home to 5 federally listed threatened and endangered species. The diversity of wildlife, topographic relief, vegetation, habitats, and climatic conditions occurring within these landforms represents a phenomenon unique to

The Van Buren Conservation District's Fourth Annual "River Rescue" was a great success

The overall goal was to improve the water quality and vitality of local creeks, stream banks and the health and biodiversity of critical wildlife populations and habitats by removing anthropogenic sources of trash and debris from the water and along the banks at or below the water's edge on creeks and rivers in the Paw Paw River Watershed. River Rescue continues efforts from the past three years in both the Paw Paw and Black River Watersheds.



Kevin Haight and Kyle Mead pull a tire from Carter Creek



Truck overflowing with trash

Sixty-two volunteers cleaned up over eight thousand pounds of trash from our local waterways. Twenty seven tires, mattresses, coolers, construction barrels and other items were picked up out of 12 miles of water in the Black and Paw Paw River Watersheds.

Great contributions from event partners like Great Lakes Commission, Two Rivers Coalition, Bangor South Haven Heritage Water Trail Association, Hartford Public Schools, City of South Haven and Southwest Michigan Planning Commission helped make this event a success.

Over the past four years volunteers have picked up over 48,000 pounds of garbage and 4,766 tires from our local waterways. This one day event, held the first Saturday in August, makes a difference and creates awareness of the importance to property recycle and dispose of trash.



Volunteers in Hickory Creek put on their waders



VAN BUREN
CONSERVATION DISTRICT



Van Buren Conservation District
1035 E. Michigan Ave.
Paw Paw, MI 49079
269-657-4030x5
www.VanBurenCD.org



www.facebook.com/VanBurenCD



VAN BUREN
CONSERVATION DISTRICT



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March 12, 2014

TO: Brian Dissette

FR: Paul VandenBosch

RE: Weather Buoy Grant Application

In January, the City and Limnotech submitted a preproposal for a grant to fund the acquisition of a weather buoy to NOAA. NOAA responded encouraging the submittal of a full proposal for the grant.

Limnotech has provided a letter regarding project estimated costs and how the annual operation and maintenance cost would be funded and invoiced. Limnotech will invoice the donors directly. Total annual costs are estimated to be \$27,550 or less, depending on the level of maintenance needed, and on local assistance in deploying and retrieving the buoy.

The South Haven Steelheaders have been working to find donors for the weather buoy project. Donors include Van Buren County, South Haven Yacht Club, South Haven Steelheaders, the Convention and Visitor's Bureau, Louis Padnos Iron & Metal Company, Covert Generating, Coast Guard Auxiliary and River Bend Boat Club. The City's commitment to the weather buoy is \$5,000 per year for five years. As of March 11, total annual commitments from all donors are \$15,000. The South Haven Steelheaders are continuing to solicit donors.

In order to proceed with the grant application, City Council is requested to authorize submittal of the weather buoy grant application to NOAA. The application deadline is March 23. Awards will be announced on May 12.

Recommendation:

Authorize submittal of the weather buoy grant application to NOAA.

SEA GRANT PROJECT SUMMARY FORM

- (1) INSTITUTION: **LimnoTech** (1a) ICODE:
- (2) TITLE: **Developing a sustainable nearshore buoy network through stakeholder engagement and outreach**
- (3) PROJECT NUMBER: (4) REVISION DATE:
- (5) PROJECT STATUS: (6) INITIATION DATE:
- (7) COMPLETION DATE:
- (8) SUB PROGRAM:
- (9) PRINCIPAL INVESTIGATOR: **Edward Verhamme** (9b) EFFORT: **0.5 months**
- (9a) AFFILIATION: **LimnoTech**
- (9c) AFFILIATION CODE:
- (10) CO-PRINCIPAL INVESTIGATOR: **Paul VandenBosch** (10b) EFFORT: **0.5 months (match)**
- (10a) AFFILIATION: **City of South Haven**
- (10c) AFFILIATION CODE:
- (13) S.G. FUNDS: **\$50,000** (14) STATE MATCHING FUNDS: **\$60,000**
- (15) LAST YEAR'S SG FUNDS: (16) LAST YEAR'S MATCHING FUNDS:
- (17) PASS-THROUGH FUNDS: na (18) LAST YEAR'S PASS-THROUGH FUNDS: na
- (19) RELATED PROJECTS:
- (20) PARENT PROJECTS:
- (21) SEA GRANT STRATEGIC PLAN CLASSIFICATION:

Project Narrative

The major objective of this project is to increase access to nearshore real-time marine observations in West Michigan and Northwest Indiana. This objective will be accomplished through two major components. The first component is working with community groups in South Haven, MI to acquire a real-time weather buoy to complete the network of nearshore buoys along the stretch of the Lake Michigan shoreline from Muskegon, MI to Michigan City, IN. This will be accomplished in the summer of 2014. The second component of the project is developing and implementing an outreach plan to reach critical decision makers, residents, and tourists of eight coastal and three other counties that are served by five nearshore buoys and deployed by three different organizations. The outreach plan will help buoy owners and operators to engage local stakeholders to develop a sustainable funding model. This will be accomplished in the summer and fall of 2014.

The stretch of Lake Michigan shoreline from Muskegon, MI to Michigan City, IN contains some of the most popular beaches in the Great Lakes and is home to a very large community of sport fishermen and pleasure boaters. The population of the eleven county region is 2.5 million people.

In 2011, the first nearshore real-time buoy was deployed near Bridgeman, MI (10 miles south of St. Joseph, MI). By 2012 nearshore buoys were added in Muskegon (MI), Port Sheldon (MI), and Michigan City (IN). Each of these buoys is funded by different organizations and for a different primary purpose. However, each buoy measures basic marine conditions and reports them in real-time to NOAA and the public. Presently the largest gap in marine observations is a 70 mile stretch between Bridgman, MI and Port Sheldon, MI. The National Weather Service (NWS) in Grand Rapids has identified South Haven as a major gap in nearshore observations. The map to the right (Figure 1) shows the location of the buoys and the distance between each buoy along with the proposed buoy in South Haven, MI.



Figure 1. Location of buoys along shoreline.

This project would provide funds to purchase a buoy to fill this gap to increase the accuracy of nearshore forecasts including the potential for hazardous rip currents and high waves that affect swimmers and boaters. The buoy would be capable of measuring basic marine conditions such as air temp, relative humidity, pressure, wind speed & direction, wave height, period, and direction. At this pre-proposal stage, the City of South Haven and Van Buren County have each made a \$5,000 per year commitment toward the costs to deploy, retrieve and maintain the buoy for five years. In addition, the City of South Haven has invested significant resources to increase swimming and boating safety and views the buoy as an opportunity to provide up to date local conditions. As well as measuring basic marine conditions other local organizations would like to expand the number of instruments on the buoy

to measure water temperature at depth (10 node thermistor string), water speed and direction (ADCP), and to add a webcam to capture high definition video clips and images. These organizations include local fishing clubs, a nuclear power plant, and a local TV station in Grand Rapids.

The second part of this project is focused on reaching out to critical decision makers, residents, and tourists of eight coastal (Muskegon, Ottawa, Allegan, Van Buren, and Berrien counties in Michigan and Lake, Porter, and LaPorte counties in Indiana) and three interior counties (Kent, Kalamazoo, and Cass in Michigan). The outreach efforts will focus on two goals. The first goal is to inform and educate individuals about the buoy network, the types of data that are being reported, and how they can use the data to improve safety and preparedness on the water. The second goal is to work with local organizations and buoy owners and operators to develop a sustainable funding model for each buoy.

The first group that will be targeted by the outreach efforts includes critical decision makers such as forecasters from the National Weather Service offices in Northern Indiana and Grand Rapids, US Coast Guard & Auxiliary personnel, County Sheriff marine patrol, other county emergency personnel, and other critical personnel. The second group that will be targeted by the outreach effort includes community organizations and individuals with interests in beaches and boating in the eleven counties previously identified. This includes fishing clubs, yacht clubs, tourism agencies, beach owners, marina owners, and others. We will develop a set of common outreach tools that can use to engage the local stakeholders to educate them how to access and interpret data from the buoys. A brochure or rack card will be created describing the nearshore buoys, where they are located, who owns/operates them, and how to obtain up to date conditions.

Matching & Leveraged Funds

The first part of this project involves working directly with the City of South Haven to deploy, retrieve, and maintain a nearshore buoy off of South Haven in Lake Michigan. All of the funds required for the labor and other direct costs associated with deploying and maintaining the buoy will be covered by matching funds from partners. The City of South Haven and Van Buren County have already committed to contributing \$10,000 annually to support this effort. In addition, the City will provide fiduciary services for local community group partners who will solicit the remaining funds required to deploy, retrieve and maintain the buoy. The Louis Padnos Iron and Metal Company has agreed to provide the mooring anchor for the buoy. A local TV station, WOODTV 8, out of Grand Rapids, MI has also agreed to support the project by covering the buoy's launch and donating \$5,000 in air-time that can either be used by the project team or sold to raise funds for the buoy. Estimated total match for the first year is \$60,000.

Outreach components of the project will be coordinated through contacts at Illinois-Indiana SeaGrant and Michigan Sea Grant. Tomas Hook at Illinois-Indiana Sea Grant, Dan O'Keefe and Elizabeth LaPorte at Michigan Sea Grant, and Steve Ruberg at NOAA-GLERL have all agreed to contribute to the outreach efforts. Dan O'Keefe has agreed to provide matching time to update regional contact lists to include marine related organizations and assist with meeting coordination by providing free space rental at county buildings.

Budget Narrative

Task 1 – Completion of nearshore buoy network - \$40,000

Funds from this task would be used to acquire a buoy hull equipped with batteries and solar panels, a cellular modem, data logger, and sensors capable of measuring wind speed and direction, air temperature and relative humidity, air pressure, wave height, period, and direction. LimnoTech has extensive experience acquiring, integrating, and testing equipment capable of measuring the above parameters in the open waters of the Great Lakes. LimnoTech currently owns and maintains nearshore buoys in Bridgeman, MI and Grand Haven/Holland, MI. A portion of the funds (\$5,000) will be used to support grant management and reporting requirements.

Local matching funds will be used to add on additional sensors to measure water temperature at depth, a webcam, and Acoustic Doppler Current Profiler (ADCP). In addition, local matching funds will be used to support LimnoTech to deploy, maintain, and retrieve the buoy for at least five seasons. The match provided to install additional sensors is estimated at \$30,000. The match provided to deploy, retrieve, and install the buoy is estimated at \$30,000 for the first year, which also includes deploying the mooring. This is a total of \$60,000 in estimated match. At this time we only have approximately \$20,000 in total match committed by local partners. This will be drawn out in further detail in the full proposal.

Task 2 – Outreach in Northern Indiana/West Michigan coastal counties - \$10,000

This task will be used to support outreach activities within Northern Indiana and West Michigan. We plan to coordinate outreach activities with local Sea Grant extension educators and have been in contact with Dan O'Keefe of Michigan Sea Grant and Carolyn Foley of Illinois-Indiana Sea Grant as well as with NOAA-GLERL, Steve Ruberg, as they own/operate the buoy in Muskegon. \$5,000 will be used by LimnoTech to provide technical assistance to identify local contacts, develop workshop materials,

Letters of Support

Attached to this project proposal are three letters of support. The first one is from the City of South Haven, which expressed the City's interest in the project and its commitment support the deployment, retrieval, and maintenance of the buoy for at least five seasons. The second letter of support is from County Commissioner John Henry of Van Buren County, which is also pledging to support the project and provide a portion of the O&M funds. The third letter is from State Senator John Proos and State Representatives Aric Nesbitt and Tonya Schuitmaker. These three represent the entire state delegation of the Michigan legislature that covers the South Haven area and support the buoy project and its objectives.

Due to space limitations we were not able to include all the letters of support we received for this project from eight additional community groups. These include letters from New Covert Generating Company, Entergy Nuclear Operations (maintains Palisades Nuclear Power Plant), Louis Padnos Metal Iron and Metal, South Haven Yacht Club, Covert Township, South Haven Area Emergency Services, South Haven Public Schools, South Haven Rotary Club, and the South Haven Steelheaders Association.

SEA GRANT BUDGET FORM 90-4

| | | | | |
|--|----------------------|-------------------------|-------------------------------|-----------------------|
| GRANTEE: LimnoTech | | | GRANT/PROJECT NO.: | |
| PRINCIPAL INVESTIGATOR: Edward Verhamme | | | DURATION (months) : 12 | |
| | | | months | Yr. |
| SALARIES AND WAGES: | | | Sea Grant Funds | Matching Funds |
| | man-months | | | |
| | No. of People | Amount of Effort | | |
| 1. Senior Personnel | | | | |
| a. (Co) Principal Investigator: | 1 | 0.45 | \$5,280 | |
| b. Associates (Faculty or Staff): | | | | |
| Sub Total: | | | | |
| 2. Other Personnel | | | | |
| a. Professionals: | | | | |
| b. Research Associates: | | | | |
| c. Res. Asst./Grad. Students: | | | | |
| d. Prof. School Students: | | | | |
| e. Pre-Bachelor Student(s): | | | | |
| f. Secretarial-Clerical: | | | | |
| g. Technicians: | | | | |
| h. Other: | | | | |
| Total Salaries and Wages: | | | | |
| B. FRINGE BENEFITS: | | | | |
| Total Personnel (A and B): | | | \$2,720 | |
| C. PERMANENT EQUIPMENT: | | | \$40,000 | \$30,000 |
| D. EXPENDABLE SUPPLIES AND EQUIPMENT: | | | \$2,000 | |
| E. TRAVEL: | | | | |
| 1. Domestic | | | | |
| 2. International | | | | |
| Total Travel: | | | | |
| F. PUBLICATION AND DOCUMENTATION COSTS: | | | | |
| G. OTHER COSTS: | | | | |
| 1. Local Match to support mooring, retrieval, deployment | | | | \$30,000 |
| 2. | | | | |
| 3. | | | | |
| 4. | | | | |
| 5. | | | | |
| Etc. | | | | |
| Total Other Costs: | | | | |
| TOTAL DIRECT COST (A through G): | | | \$50,000 | \$60,000 |
| INDIRECT COST (On campus % of):: | | | | |
| INDIRECT COST (Off campus % of):: | | | | |
| Total Indirect Cost: | | | | |
| TOTAL COSTS: | | | \$50,000 | \$60,000 |

Areas of Specialization:

Smartphone Application Development
 Real-Time Observation Support
 Wind/Wave Buoy Development
 Surface Water Quality Modeling
 Aquatic Ecosystem Modeling
 Hydrodynamic/Hydraulic Modeling
 Database Application Development
 Nutrients – Eutrophication Issues
 Environmental Sampling

Education:

MS, Environmental Engineering, Michigan Technological University, 2005
 BS, Environmental Engineering, Michigan Technological University, 2003

Professional Certifications/Affiliations:

International Association of Great Lakes Research
 OSHA 40-hour Health and Safety Training Certified

Career Highlights:

- Deployment of three real-time buoys around the Great Lakes
- Design of smartphone application to deliver real-time advisory status for all Great Lakes
- Eutrophication Modeling of large embayments on the Great Lakes including Saginaw Bay, Sandusky Bay, and Maumee Bay
- Assisting EPA researchers, performed spring water quality assessment of southern Lake Superior and various limnological sampling
- Served as chief scientist and research scientist on university sampling expeditions in Lake Superior
- Provided limnological expertise to students in field and classroom explorations and experiments

Mr. Verhamme is a Project Engineer with LimnoTech and has been involved on a variety of Great Lakes projects including development of smartphone applications and working to deliver real-time observations to Great Lakes Communities through a public buoy network. He has also been involved with hydrodynamic modeling and application of water quality models since joining the firm in June 2005.

Mr. Verhamme has worked on a variety of high-profile modeling projects, including the Lake Pepin TMDL project, the recent Saginaw Bay Multiple Stressors project, Lake Champlain, and other Great Lakes modeling projects including the Buffalo River, Niagara River, Maumee Bay/Lake Erie, Sandusky Bay/Lake Erie, southern Lake Michigan, and western Lake Superior.

In addition to modeling Mr. Verhamme has been involved with several projects supporting the Great Lakes Observing System. These projects involved reaching out to stakeholders and identifying products and tools that managers need to support decision-making. Mr. Verhamme has also contributed to the development of a new web portal for the Great Lakes Observing System to display data and model output through a map-based interface.

Key Project Experience

Deployment of Real-Time Buoys in the Great Lakes. 2011-Present. Worked as technical and development lead to acquire, deploy, and maintain three real-time buoys in Lake Michigan and Lake Erie for a variety of public and private clients. Buoys were deployed for a variety of public and private clients including the National Weather Service, Great Lakes Observing System, US Army Corps of Engineers, and D.C. Cook Nuclear Power Plant. Also developed a text message service to retrieve current observations from all Great Lakes stations.

Development of a 3-D Hydrodynamic-Water Quality-Sediment Transport Model of Maumee River/Bay, Lake Erie.

2009-present. Worked on a team to develop a fine-scale hydrodynamic (EFDC) and water quality (RCA) model of Maumee River, Maumee Bay, and the western portion of Lake Erie. The model will be used by the USACE–Buffalo District and for an NSF-funded multi-year research project to assess the impact that the Maumee River has on sediment deposition in the navigation channel and water quality impacts in Lake Erie.

Preparation of a Discussion Paper on Lake Erie Phosphorus Targets.

2013. Working as a contractor to Environment Canada to prepare a discussion paper to inform the Annex 4 update to the Great Lakes Water Quality Agreement to lay out an approach to develop new phosphorus load targets for every Great Lake.

Western Lake Erie Water Quality Modeling.

2010-Present. Responsible for the development, calibration, and application of a three dimensional hydrodynamic and water quality model of the Western Basin of Lake Erie. The model simulates transport of nutrients, solids, and harmful algal blooms. Clients include the US Army Corps of Engineers and a National Science Foundation project lead by Stanford University.

Development of a Smartphone Application to Deliver Beach Closing Data.

2010-Present. Served as a project manager to develop a smartphone application in collaboration with the Great Lakes Commission to deliver real-time beach closing data from Great Lake's state reporting websites to the public. The application uses GPS positioning information to locate the closest beach to the user and also reports weather, wind and wave forecasts, and current observations.



Great Lakes Observing System Data Management and Communications (DMAC) Support. Mr. Verhamme has been a member of the GLOS DMAC Team, which is responsible for operating and improving the infrastructure necessary to connect environmental data to Great Lakes managers, planners, and decision-makers on behalf of NOAA's Integrated Ocean Observing System. He has provided support and feedback to GLOS and agency staff, researchers, and data users to identify needs, determine requirements for products to address those needs, and supervise implementation, testing and release of appropriate decision-support products available at www.glos.us.

Development of a Long-Term Mass Balance Model of Missisquoi Bay, Lake Champlain. 2010 – 2012. Served as the project manager to develop a fine-scale 3D hydrodynamic and water quality model of Missisquoi Bay. The model will simulate the long-term fate and transport of phosphorus throughout the system and the impact of sediment release of phosphorus on water column concentrations.

Development of a Near-Term Design Document for the Great Lakes Observing System Enterprise Architecture. 2010-Present. Working with NOAA to develop a design document that will lay out the framework of the Great Lakes Observing System. The plan will be used by all federal agencies in the Great Lakes as a blueprint to develop, implement, and maintain an observing system to meet the needs of the Great Lakes community.

Development of a Process-Oriented Aquatic Ecosystem Model to Investigate Multi-Stressor Interactions for Saginaw Bay. 2008-Present. Mr. Verhamme is working on the development of a linked, three-dimensional hydrodynamic and eutrophication model framework to evaluate multi-stressor interactions for Saginaw Bay. The model framework consists of the EFDC hydrodynamic model and an enhanced version of the *Row-Column AESOP* (RCA) model known as the "Advanced Aquatic Ecosystem Model" (A2EM).

Water Intake Assessment Services for a Nuclear Power Plant. 2008-Present. Served as co-project manager and technical lead to collect temperature, velocity, turbidity, wind, sediment, and other data from southeastern Lake Michigan to support the siting of a new water intake structure. Also worked with NOAA-GLERL to analyze temperature model results for the last 10 years to determine the year-to-year variability in the monthly average temperature offshore of the Donald C. Cook Nuclear Power Plant.

Develop a Model Inventory of Great Lakes Models. 2009. Worked with the Great Lakes Observing System (GLOS) to develop an Access database of Great Lakes models. The model inventory will be used to increase collaboration among Great Lakes researchers and

managers. During the process, communicated with many researchers in the Great Lakes Community.

Development of a PCB TMDL for Lake Ontario for NYSDEC. 2009. Worked as the technical lead to assist NYSDEC in developing a PCB TMDL for Lake Ontario. Estimated point source contributions using existing data and ran the LOTOX2 model to assist in the setting of PCB targets and reduction scenarios.

Water Quality Modeling in Support of CSO Long Term Control Planning, Buffalo, New York. 2008-present. Responsible for the development, calibration, and application of a 2-D hydrodynamic and water quality model (EFDC) of the Buffalo River, Black Rock Canal, and the Niagara River to simulate the impact of CSOs on receiving water quality. Parameters of concern included dissolved oxygen and bacteria.

Development and Application of a Water Quality Model for Lake Pepin, Minnesota TMDL. 2008. Responsible for the recalibration of a linked hydrodynamic-water quality model of 100 miles of the Upper Mississippi River System to address turbidity and nutrient impairments. Also assisted on SAV modeling and temperature modeling throughout the system

Recent Publications & Presentations

Michalak A.M., **Verhamme, E.M.** et al. 2013. Record-setting algal bloom in Lake Erie caused by agricultural and meteorological trends consistent with expected future conditions. *Proc. National Academy of Sci.*

Verhamme, E.M. 2013. Overview of Nearshore Buoys in Lake Michigan. Presentation to NOAA National Weather Service forecasters across Lake Michigan. Chicago, IL. August 13, 2013.

Verhamme, E.M. and T. Dekker. 2012. Industry Perspective on Real-Time Buoys: Cook Nuclear Plant. 55th Annual Conference on Great Lakes Research. Cornwall, Ontario. May 17, 2012.

Verhamme, E.M., J.V. DePinto, and T.M. Redder. 2012. Long Term Phosphorus Management in Missisquoi Bay, Lake Champlain. 55th Annual Conference on Great Lakes Research. Cornwall, Ontario. May 17, 2012.

Kaur, J., J.V. DePinto, J.F. Atkinson, **E. Verhamme;** and T.C. Young. 2012. Development of a spatially resolved linked hydrodynamic and exposure model (LOTOX2) for PCBs in Lake Ontario. *J. Great Lakes Res.* V. 38. pp 490-503.

Verhamme, E.M., M.T. Auer. 2009. Comparison of carbon flux and indicators of bioavailability at nearshore and offshore locations in Lake Superior. *Verh. Int. Ver. Limnol.* 30 (8), 1239–1241.

Curriculum Vitae

Paul K. VandenBosch

Paul VandenBosch
757 Superior Street
South Haven, Michigan 49090
(269)-637-0775 (Work)
(269)-637-2516 (Evenings)
paulkvandenbosch@gmail.com
US Citizen

Education:

Doctorandus Planologie (Master in Urban Planning),
Katholieke Universiteit Nijmegen (now Radboud Universiteit) Nijmegen, the Netherlands.
1995.

Bachelor of General Studies, Geography and Urban Planning,
The University of Michigan, Ann Arbor. 1985.

High School Diploma

Holland Christian High School, Holland, Michigan. 1979.

Professional Experience:

Assistant City Manager
City of South Haven, Michigan (1996-present)

- * Implemented municipal redevelopment strategies in a fast growing Lake Michigan community.
- * Managed multiple multi-million dollar public infrastructure projects as the financial manager and key contact person between engineer, contractor, city manager, and the public.
- * Managed a number of key municipal services and development projects through a project development, request for proposal and contract management process.
- * Lead the process of rewriting the municipal master plan and zoning ordinance to encourage growth while protecting valued characteristics of the city.
- * Directed a planning, zoning and building inspection department to foster a customer service approach to inspection and plan review services, including streamlining the permit process.
- * Provided economic development services through industrial park development, business attraction and retention, brownfield redevelopment authority, local development finance authority and downtown development authority tax increment financing management.

Titles and Areas of Responsibility

Assistant City Manager

Brownfield Redevelopment Authority Secretary

Local Development Finance Authority Secretary

Harbormaster (Dredging and Facility Improvements)

Industrial Park Development

Economic Development

Strategic Planning

Tax Increment Financing Specialist

Project Development/RFP Writing/Contract Manager

Municipal Real Estate Manager

Grant Writer and Administrator (CDBG, EDA, MNRTF)

Building Services Department Director

Former Areas of Responsibility

Zoning Administrator

Information Services Manager

Downtown Development Authority Secretary

Planning and Zoning Director

Geographic Information System Manager

Ordinance and Resolution Writing

Many Miscellaneous Problem-Solving and Clean-Up Projects

Acting City Manager

Prior experience:

Construction Surveyor, Holland Engineering, Inc., Holland, Michigan

Apprenticeship, Building and Planning Department, Township of Kranenburg, Nordrhein-Westfalen, Germany

Apprenticeship, Economic Development Department, City of Kleve, Nordrhein-Westfalen, Germany

Treasurer, Cake Gallery Bakery, Inc.; Payroll and Accounts Payable, Holland, Michigan

Membership and Certification:

Member, Van Buren County Brownfield Redevelopment Authority

CITY OF SOUTH HAVEN
VAN BUREN AND ALLEGAN COUNTIES, MICHIGAN

RESOLUTION NO. 2013-73

A RESOLUTION SUPPORTING A WEATHER BUOY

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 December 16, 2013 at 7:00 p.m. local time.

PRESENT: Arnold, Fitzgibbon, Gruber, Klavins, Kozlik Wall, Patterson, Burr

ABSENT: None

The following preamble and resolution was offered by Member Kozlik Wall and supported by Member Fitzgibbon.

WHEREAS, a number of local groups have recommended that a near shore weather buoy be installed to provide accurate wind, wave height and weather data to the South Haven community and to NOAA to permit better forecasting of weather, wind and beach safety conditions; and

WHEREAS, the City Council concurs with the recommendations and desires to participate in seeking a grant for acquisition of the weather buoy; and,

WHEREAS, the City Council desires to support part of the operation and maintenance expenses in order to improve chances of receiving the grant.

NOW, THEREFORE, BE IT RESOLVED that the South Haven City Council authorizes application of a grant for a weather buoy; and

BE IT FURTHER RESOLVED, that the South Haven City Council commits \$5,000 per year for five years for the maintenance and operation of a weather buoy; and

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

RECORD OF VOTE:

Yeas: Arnold, Fitzgibbon, Gruber, Klavins, Kozlik Wall, Patterson, Burr

Nays: None

RESOLUTION DECLARED ADOPTED.



Robert G. Burr, Mayor

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 16th day of December, 2013, 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

John "Mike" Henry
315 Michigan Ave
South Haven, MI 49090
269 214 6496

December 4, 2013

Mayor Bob Burr
City of South Haven, MI

Mr. Ed Verhamme
Limnotech
Ann Arbor, MI 48108

RE: Van Buren County Buoy Letter of Support

The purpose of this letter is to strongly support and endorse the submittal and approval of a grant for the procurement and positioning of an Active Marine Station Near Shore Buoy off the South Haven pier and channel.

The Marine Division of the Van Buren County Sheriff's Department operates several marine law enforcement vessels out of the Port of South Haven and are extremely busy during the summer months patrolling and monitoring recreational boating associated with sport fishing, sailing, pleasure boats, jet skis and other related water activities. Having real time data related to wave height, water velocity, temperatures, wind speed and other data would significantly enhance public safety by providing law enforcement personnel with reliable and critical information with which to make informed decisions.

If this grant is favorably considered, the County of Van Buren commits to providing funding at a minimum level of \$5K/yr for at least five years in order to offset some of the recurring costs associated with maintaining this active marine station buoy.



John "Mike" Henry
County Commissioner, District 1
Van Buren County



66TH DISTRICT
STATE CAPITOL
P.O. BOX 30014
LANSING, MI 48909-7514
PHONE: (517) 373-0839
FAX: (517) 373-5940
E-MAIL: aricnesbitt@house.mi.gov

MICHIGAN HOUSE OF REPRESENTATIVES

ARIC NESBITT
STATE REPRESENTATIVE

COMMITTEES:
CHAIR, ENERGY AND
TECHNOLOGY
COMMERCE
INSURANCE
TAX POLICY

December 4, 2013

To Whom It May Concern:

As state elected officials who have the distinct pleasure of serving southwest Michigan, we are pleased to submit to you this letter of support for the South Haven community's pursuit of a data buoy to be placed in the nearshore waters of Lake Michigan.

The South Haven community is very unique as it serves as a center for commercial, recreational, and leisure activity, with water and weather conditions playing a vital role. This particular project, through the efforts of LimnoTech and many local leaders and community organizations, would provide a great service to the residents of South Haven, as well as the over 1.6 million people that visit this area every year, contributing millions of dollars to the local economy.

Not only would implementation of this new buoy provide real-time data on air temperature, humidity, and barometric pressure, but it would also be able to determine wind speed and wave height and direction. The ability to have access to this constantly updated information would allow authorities to take proper safety measures regarding recreational activities, as well as providing local businesses and municipalities the opportunity to make quick decisions when it comes to day-to-day operations impacted by lake conditions.

Utilizing new technology to obtain more and better information can greatly change the way we develop approaches to maximize public safety, grow our economy, and create a better way of life. We believe this proposed project in South Haven will do just that.

Thank you for your thoughtful consideration and please feel free to contact us if you have any questions.

With warm regards,

John Proos
State Senator
District 21

Aric Nesbitt
State Representative
District 66

Tonya Schuitmaker
State Senator
District 20

Memorandum

From: Ed Verhamme, Greg Peterson **Date:** March 11, 2014
To: Paul Vandebosh & Brian Dissette **Project:** South Haven Buoy Project
City of South Haven **CC:**

SUBJECT: South Haven Buoy Project Estimated Costs

Background

The City of South Haven, MI along with other community organizations and businesses in the South Haven area are working together to support the annual deployment and retrieval of a real-time weather buoy to be located approximately three miles offshore in Lake Michigan. The buoy will provide ten minute observations of wind speeds, wave heights, and water temperature over the internet. Observations will be used to inform area residents and tourists of the current conditions on Lake Michigan so they can make informed decisions about recreational boating and swimming on Lake Michigan. In addition, the observations will be used by search and rescue personnel and the National Weather Service to protect and inform the public.

This memorandum provides an estimate of the total capital costs of the project and the annual operation and maintenance costs. The role of the City of South Haven is described in this memo as well as how LimnoTech will work with the City and other organizations to meet the project objectives.

Estimated Buoy Capital Costs

The table below describes all of the capital costs associated with acquiring the components of the proposed buoy. The first six items represent the basic buoy that is capable of measuring air temperature, relative humidity, wind speed and direction, surface water temperature, and wave height, period, and direction. The sub-total cost of these items is \$40,000. LimnoTech is currently working with the City of South Haven to apply for a grant from the Coastal Storms Program that is being administered by Ohio Sea Grant and NOAA. If LimnoTech is not successful in winning this grant, then the partner groups will continue to work with LimnoTech to find other sources of funds including other partners and grant opportunities.

The cost of acquiring the one ton mooring anchor (\$2,500) will be covered by Louis Padnos metal recycling of Holland, MI. A letter of support from Padnos is attached.

The other components mentioned in the table represent additional sensors that can be added to the basic buoy platform to enhance capability and provide more information to other user groups in the South Haven Area. These include a string of ten temperature sensors that can measure water temperatures from the surface down to the bottom, a webcam that can transmit high definition video clips and images on an hourly basis, and a velocity meter capable of measuring water currents from the surface to the bottom. Support from other organizations is needed to add these components to the buoy. These components can either be added before the buoy is deployed if additional funding is received by partners or grants, or they can be added between field seasons in subsequent years. Local fishing clubs have expressed interest in supporting the water temperature sensors. WOODTV8 and WZZM13 in Grand Rapids have expressed interest in supporting the web camera. A potential supporter of the velocity meter is the Palisades Nuclear Power Plant, who could use the observations to support planning at their facility. However, no firm commitments/pledges have been received to date for the additional equipment other than the anchor, which is a component of the basic buoy.

Table 1. Estimated capital costs

| Buoy Component | Cost |
|---|-------------|
| Buoy Hull, Mast, Ballast, Solar Panels, Batteries | \$25,000 |
| Air Temperature & Wind Speed/Direction Sensor | \$2,750 |
| Wave Height, Period, Direction Sensor | \$5,000 |
| Data Logger & Cellular Modem | \$5,000 |
| Mooring Line & Shackles | \$1,250 |
| Permits from USACE, MDEQ, USCG | \$1,000 |
| Basic Buoy Sub-Total | \$40,000 |
| Anchor | \$2,500 |
| Water Temperature Sensors (10 depths) | \$5,000 |
| Web Camera (Video Clips/photos) | \$5,000 |
| Velocity Meter | \$20,000 |
| Grand Total | \$72,500 |



Estimated Annual Operation and Maintenance Costs

Table 2 below lays out a detailed description of the expected annual operation and maintenance costs. These costs assume that LimnoTech will be supporting the entire O&M operation via its boat, personnel, and resources. Cost savings could possibly be realized by LimnoTech combining trips from Ann Arbor to South Haven with other buoy support projects in St. Joseph and Holland. The estimate also assumes three trips to South Haven, one each for deployment and retrieval, and an additional trip mid-season to service any failed sensors. This mid-season trip could be eliminated entirely or supported by local groups to offset the cost. In addition, the data support costs mentioned in Table 2 could be reduced or eliminated if other means of data display were arranged or provided by another partner. Currently LimnoTech partners with Michigan Tech University to display data from the buoy on a custom website.

At the high end (most conservative) it is estimated that it would cost \$27,550 to support the annual O&M costs. If all cost savings were realized it would cost \$18,070 for annual O&M costs.

Table 2. Estimated annual operation and maintenance costs

| Deploy/Maintain/Retrieve Real-Time Buoy | | | |
|---|------------|------------------|-----------------|
| Hardware/Equipment Costs | | | |
| Description | Qty | Unit | Total |
| Buoy Insurance | 1 | \$ 880 | \$ 880 |
| Cell Phone Data Plan | 1 | \$ 780 | \$ 780 |
| Garmin GPS Tracking Plan | 1 | \$ 110 | \$ 110 |
| Misc Equipment | 1 | \$ 1,100 | \$ 1,100 |
| Data Support | 1 | \$ 1,650 | \$ 1,650 |
| | | Sub Total | \$ 4,520 |
| Unit Field Costs from Ann Arbor to St. Joe | | | |
| Description | Qty | Unit | Total |
| Boat Rental (hourly) | 8 | \$ 90 | \$ 720 |
| Vehicle Rental (Mileage) | 600 | \$ 0.75 | \$ 450 |
| Vehicle Rental (Daily Rate) | 2 | \$ 75 | \$ 150 |
| Food (2 ppl/1 days) | 1 | \$ 50 | \$ 50 |
| | | | |
| Labor Driving (2 ppl) | 11 | \$ 110 | \$ 1,210 |
| Labor Field (2 ppl) | 18 | \$ 110 | \$ 1,980 |
| Labor Preparation | 6 | \$ 110 | \$ 660 |
| | | Sub Total | \$ 5,220 |
| Other Labor + Total Costs | | | |
| Description | Qty | Rate | Total |
| Hardware/Equipment subtotal | | | \$ 4,520 |
| Field Travel Costs (unit above) | 3 | \$ 5,220 | \$ 15,660 |



| | | | |
|--|----|------------------|------------------|
| Prepare and Test Bouy (hrs) | 33 | \$ 110 | \$ 3,630 |
| Data Quality Monitoring (hrs) | 24 | \$ 110 | \$ 2,640 |
| End of Season Maintainance (hrs) | 10 | \$ 110 | \$ 1,100 |
| | | Sub Total | \$ 27,550 |
| Total Costs by Category | | | Total |
| Other Direct Costs (Travel, Equipment, Misc..) | | | \$ 8,630 |
| Direct Labor | | | \$ 18,920 |
| Grand Total | | | \$ 27,550 |

Support from other partners

The City of South Haven is working with other organizations to secure commitments for annual operation and maintenance costs. At the high end (most conservative) it is estimated that it would cost \$27,550 to support the annual O&M costs. If all cost savings were realized it would cost \$18,070 for annual O&M costs. As of the writing of this document, the following organizations are willing to pledge \$13,500 towards the O&M costs. The remaining funds will be solicited from area organizations and businesses.

Organizations Committing to 5 years for O&M support as of March 10, 2014

- \$5,000 Van Buren County
- \$5,000 City of South Haven
- \$1,000 South Haven Yacht Club
- \$1,000 Steelheaders
- \$1,000 Convention and Visitors Bureau
- \$500 Coast Guard Auxiliary

To deploy the buoy by July 1, 2014 the minimum of \$18,070 needs to be pledged by May 19, 2014. Preferably all annual pledges would be for a duration of five years. If signed commitments for payment for annual O&M are not received by May 19, then the deployment date might be delayed accordingly. Payments must be received no later than August 1, 2014 or buoy deployment will be delayed until 2015. Deployment in subsequent years will be re-evaluated by the major funding partners to determine if enough funds are available to continue to deploy the buoy.



Timeline

The timeline below lays out the upcoming dates that will lead to buoy deployment by July 1, 2014.

March 10: Deadline to have materials ready for March City Council meeting

March 17: City Council meeting to approve participation in grant

March 18: Harbor Commission meeting

March 21: Deadline to submit a full proposal to NOAA Coastal Storms

May 12: Grant awards announced by NOAA Coastal Storms

May 19: Written funding commitments due from partner organizations

May 19: City Council approval to enter into O&M agreement and accept grant award

July 1: Anticipated buoy deployment date

Invoicing

LimnoTech will directly invoice each partner for their pledged portion of the annual operation and maintenance costs. Payments are due 30 days past the invoicing date. LimnoTech will present a quarterly update of the amount of dollars billed against the total funds available to all of the funding partners. Any funds left over at the end of the calendar year (December 31) will either be carried over to the next year to support future deployments or returned to the partner organizations based on a percentage of their total annual contribution. LimnoTech will work with partner organizations to determine the most appropriate means to handle any leftover funds and address any unexpected costs.

The material contained in this document represents LimnoTech's best estimate of the cost to acquire, deploy, and retrieve a real-time buoy off of South Haven, MI. A more formal proposal and service contract will be established with the partner groups once the capital for the buoy is secured.





Agenda Item 11

North Beach Park Grant Application

Background Information:

The City Council will be asked to consider an application to the Michigan Department of Natural Resources, Michigan Natural Resources Trust Fund (MNRTF), for the construction of improvements at the city's North Beach Park.

The City Council recently adopted the "Fiscal Year 2014-15 Priorities." As part of the approved priorities, the City Council seeks to plan and develop improvements to the public infrastructure at the North Beach Park. Application to the MNRTF for the North Beach Park project supports the Council's priority.

The intent of the North Beach Park improvements is to provide improvements to the city's sidewalks, streets, and beach areas for residents and visitors to the North Beach Park. Over the past year, the city's staff has worked with Monroe Park residents (Monroe Park is the neighborhood adjacent to the North Beach Park) to seek their input on the proposed park improvements. At the December 11, 2012 meeting of the city's Parks Commission, the commission approved the proposed North Beach Park plan.

In 2013, the City Council approved a grant application to the MNRTF for the proposed improvements to the city's North Beach Park. The 2013 grant application was not successful. Staff recommends resubmitting the grant application, in an effort to secure MNRTF grant funds for the project.

The city's staff has begun the process of preparing the MNRTF grant, and one of the required steps is for the City Council to pass a resolution supporting the grant application submission. The funding request will be \$300,000 and the city will provide a 59% match of \$442,300 for a total project cost of \$742,300. The source of the local matching funds will be from the city's general fund. Due to funding pressures impacting the MNRTF, staff anticipates that recreation grant funds may be more competitive than previous years. As a result, the city's grant application seeks to build the North Beach Park improvements in two phases, as part of an effort to seek a lower grant request from the MNRTF. The proposed grant application seeks to fund to make improvements to the sidewalks, roadway, street lighting, playground equipment, and ADA accessible beach mat. The installation of seat walls, dumpster enclosures, public showers/foot-wash, and the reconstruction of the concession stand would be delayed until phase two.

Recommendation:

The City Council should consider approval of Resolution 2014-13, a resolution authorizing the city manager to apply for a Michigan Natural Resources Trust Fund application for the proposed improvements to the city's North Beach Park.

Support Material:

Resolution 2014-13
North Beach Park Plan

CITY OF SOUTH HAVEN
VAN BUREN AND ALLEGAN COUNTIES, MICHIGAN

RESOLUTION NO. 2014-13

A RESOLUTION AUTHORIZING THE CITY MANAGER TO APPLY FOR A
MICHIGAN NATURAL RESOURCES TRUST FUND GRANT FOR
NORTH BEACH IMPROVEMENTS

Minutes of a special 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 March 17, 2014 at 7:00 p.m. local time.

PRESENT: _____

ABSENT: _____

The following preamble and resolution was offered by Member _____ and supported by Member _____.

WHEREAS, funds have become available to the Michigan Natural Resources Trust Fund to provide grants to local units of government for recreational improvements; and

WHEREAS, the City of South Haven has identified needs and wants recreation facilities that relate to the overall delivery of the park and recreation services for the community including the improvement of all park land to accommodate a variety of uses that serve all age groups and levels of ability is extremely critical; and

WHEREAS the City of South Haven staff and the Parks Commission have identified North Beach as needing capital improvements as expressed in the 2013-2017 Recreation Plan; and

WHEREAS, the City of South Haven wishes to develop North Beach, improve safety, ensure universal accessibility, enhance amenities, improve appearances, and create recreational opportunities for all residents and visitors.

NOW THEREFORE BE IT RESOLVED, that the City of South Haven does hereby authorize the City Manager act as the authorized signatory and to make application not to exceed \$300,000 for a Michigan Natural Resource Trust Fund grant to the Michigan Department of Natural Resources for recreation facility improvement and development; and

BE IT FURTHER RESOLVED, that funds from City of South Haven General Fund shall be used for a 59% local match for grant funds from the Michigan Department of Natural Resources.

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

RECORD OF VOTE:

Yeas: _____

Nays: _____

RESOLUTION DECLARED ADOPTED.

Robert G. Burr, Mayor

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 17th day of March, 2014, 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



North Beach Park
Master Plan
 City of South Haven 12/2012



Memo

To: Brian Dissette
City Manager

From: Jeannine Blair

Date: March 12, 2014

Re: Waterfront Film Festival
Special Event 2014-09

For the second year the Waterfront Film Festival will be located in South Haven. The 2014 event will run from Thursday, June 12th – Sunday, June 15th. The event will kick off on Thursday, June 12th at the city's South Beach, with an outdoor opening night. The event is similar to last year's set-up. The applicant is requesting permission to close off the South Beach parking lot on the morning of Thursday, June 12th for set-up with the event beginning at 6:00 pm. The live music is planned to occur from approximately 6:00 pm until 10:00 pm. The film will be shown at approximately 10:00 pm. Cleanup will occur that night following the event. The film festival has agreed to pay the city \$7.00 for each space used at South Beach during this event. City staff will work with the festival to fence off and barricade this area. The event will continue throughout the weekend at indoor venues.

The event has requested a temporary liquor license. An application has been received by the City's staff. Should City Council approve the event, they will be approving the request for the liquor license, contingent upon meeting all the stipulations of the Special Event alcohol policy and approval by the Chief of Police and Liquor Control Commission.

Proof of insurance will be provided as soon as the event is approved.

FOR OFFICE USE ONLY

Special Event # _____

Date Received _____

CITY OF SOUTH HAVEN

Special Events & Festivals Application

The Special Events & Festivals Information Pamphlet must be read before filling out this application.

Complete and return this application to the Parks and Recreation Office at least 21 business days prior to the start of the event.

A new application must be submitted each year.

I have read the Special Events & Festivals Information Pamphlet and will fill out this application completely; agreeing to follow all policies and regulations set by the City of South Haven.

DDP
Initial

2/25/14
Date

CONTACT INFORMATION

Event Title: Waterfront Film Festival Opening Night

Sponsoring Organization: Waterfront Film Festival

Applicants Name: Dori DePree

Telephone #: 616-836-3702 Phone # During Event: 616-836-3702

E-mail Address: dori@waterfrontfilm.org

Other contacts for/during event

Name: Lara LaShell Telephone: 269-650-1694

Name: Sherry Tedaldi Telephone: 616-836-5849

EVENT SPECIFIC INFORMATION

Event Location: South Beach

Date(s) Requested: June 12, 2014 Alternative Date(s): _____

Start Time: 8 am (setup) End Time: 12:30 am

Any event that exceeds 10:00 P.M. has to be approved by City Council

Number of people expected to attend: _____

EVENT DESCRIPTION

Please give a description of the event (Please attach a separate sheet with details if there is not enough space below).

Music and movie fundraiser

MAPS/LOCATION – mark event items on map(s)

Check items below that apply to your event. All items checked below must be indicated on the MAP(S). Maps can be found on the city's website. Please note, map(s) must be submitted with the Special Events & Festivals Application.

City property or city park use. Show locations of fencing, barriers, or barricades. Include streets and/or sidewalks to be closed or barricaded on map(s). To ensure requested items, such as cones or barricades, are reserved and available for the day of the event, please complete the **CONES AND BARRICADE REQUEST FORM** and submit it with the Special Events & Festival Application. Requested items are available Monday through Friday during office hours between 7:00am and 3:30pm; the office is closed during lunch from 12:00pm to 1:00pm. Should you require an alternate time a **\$50 After Hour Charge** will be assessed. Please note, if the Cones and Barricade Request Form is not submitted, the City of South Haven can not guarantee the requested items will be available for the event, **first come - first served, limited quantity available.**

Barricade Request: Mark locations on maps. Barricades that are damaged or not returned to the Public Works Department will be charged \$25.00 per barricade.

Cone Request: Mark locations on maps. Cones that are damaged or not returned to the Public Works Department will be charged \$10.00 per cone.

Explain closure _____

Entertainment, dance, tent or stage. Mark locations on maps.

Event Command Post. Mark location on maps.

Dumpsters and/or trash containers. The Mark location on maps.

Portable toilet facilities. Mark locations on maps. How many? _____
The City requires the use of portable facilities for events expecting over 500 attendants.

Parade. Mark beginning area, the route* (with arrows) and finish area on maps

*If Business Route I-196 needs to be closed for the Parade you will need to contact Department of Public Works at 269-637-0737 to obtain a MDOT permit for road closure.

Participants. Mark parking areas, bus locations, and special passengers on maps.

Relay event. Indicate "hand-off" points and areas of participant equipment impact.

Aircraft landing / hot air balloons. Mark location on maps.

Fireworks/pyrotechnics site. Mark location on maps.

Vendors/General Merchandise concession areas. Mark areas on maps. Name of contact person for vendor(s)

Vendors and General Merchandise Concessions will not be allowed in the Central Business District (CBD). Please refer to the Special Events & Festivals Information Pamphlet for a detailed map of this area.

Name: Dori DePree Telephone: 616-836-3702

Note: Number will be given for all vendor inquiries. It is suggested that the Sponsoring Organization issue a paper permit to be displayed by vendor to let city and event staff now they are an approved vendor.

First Aid facilities. Mark location on maps. List agency providing staff and equipment

Name: _____ Telephone: _____

Live animal sites. Mark location on maps and describe: _____

Any other item(s) that should be included on maps. Explain: _____

ADDITIONAL EVENT INFORMATION

Liquor License

The sale and consumption of alcoholic beverages may occur on publicly-owned property located with the approved Downtown South Haven Special Event Area. Guidelines for such special event liquor licensing are available in the Special Event & Festivals Alcohol Policy. These policies require that an application be filed with the City of South Haven and the Michigan Liquor Control Commission.

City of South Haven Liquor License Application
Michigan Liquor Control Commission Website

Liquor license application must be submitted before the city will process this special event application.

Noise: Please describe i.e. music, sound, amplification and any other noise that impacts surrounding area. Provide dates and times noise will occur. **All noise must stay with in the city's noise ordinance. Noise Ordinance Sec. 30-28. City Noise Ordinance will be enforced.** If you have any questions about the noise ordinance please contact the local police department 269-637-5151.

Live Music and Film Screening

Date: June 12, 2014 Time: 6pm - 12:30am

Date: _____ Time: _____

Date: _____ Time: _____

Signage: Prior to the event a list of all signage (example: sandwich boards, banners, etc.) and placement of the signage needs to be turned in to the city's Parks and Recreation Supervisor. Upon submission the signage requests will be reviewed by the Parks and Recreation Supervisor; additional approval may be required. *Note: Yard signs and banners will be for entire festival. (Not just opening night)*

Street Marking: *Also prior to event.* Painting and marking on roads and sidewalks should be held to a minimum, and paint specifically designed to wear away in a short period of time and approved by the city shall be used. Please contact the Parks and Recreation Supervisor for approved list.

Request approval for use of golf carts throughout town for all 4 days of festival.

Are you requesting any utility services to be provided: Yes No
If yes, explain: Electric

If electric utilities requested, name of festival person or electrician who will be responsible:

Name: David Prins Telephone: 616-836-9672

Will vendors be using electric utilities: Yes No

If yes, the city's Electrical Inspector will be making inspections of all vendors using electric during events. A charge of \$10.00 per vendor will be billed to the Sponsoring Organization (NOT the vendor) following the event.

Will you require additional police services: Yes No

If yes, explain: Peace Officers Only

Will you require additional fire/ambulance services: Yes No
If yes, explain: _____

Additional fire information: Mark all that apply

- Tents Concessions Exits Compressed Gases
 Extinguishers Electrical Exposed Flames
 Other: _____

If you checked any box in the "Additional fire information" section, you **MUST** obtain a "FIRE & LIFE SAFETY (Form A3) REQUIREMENT FOR VENDORS, PARTICIPATING IN FESTIVALS, FAIRS AND ALL OTHER OUTSIDE EVENTS/ACTIVITIES" information form from the Deputy Fire Chief. Please contact the South Haven Area Emergency Services at 269-637-5151 located at 90 Blue Star Hwy.

The primary concern during an event is Public Safety. In the event of inclement weather the City of South Haven has the right to cancel or postpone any special event; this includes the City Manager, Police Chief or his designee and Fire Chief or his designee.

INSURANCE

The city requires proof of insurance (\$1,000,000) naming the City of South Haven as "additionally insured". The Proof of Insurance Certification needs to be turned in with the Special Event application.

Is the Proof of Insurance Certification Provided with Special Event Application? Yes No

Will provide once obtained closer to event.

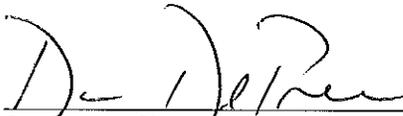
REMINDERS

Please make sure the following items are turned in with the Special Events & Festivals Application

- Map(s)
- Proof of Insurance Certification
- Cones and Barricade Request Form (if applicable)
- Submitted liquor license application (if applicable)

INDEMNIFICATION AGREEMENT

The undersigned agrees and promises, as a condition of approval of this Special Events & Festivals Application to defend, indemnify, and save harmless the City of South Haven, its agents, officials and employees from all suits, claims, damages, causes of action or demands of any kind and character arising out of resulting from or in connection with the use of said Public Property



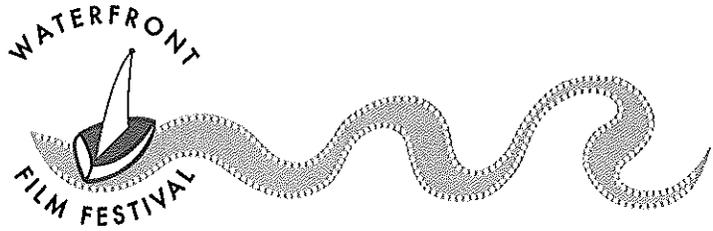
Applicants Signature

2/25/14
Date

Please return to:
Parks and Recreation Supervisor
Department of Public Works
City of South Haven
1199 8th Ave
South Haven, MI 49010
Phone: 269-637-0772 / Fax: 269-637-4778
Hours: Monday-Friday 7:00a.m. – 3:30p.m.

Please remember this application must be submitted to the Parks and Recreation Office at least 21 business days prior to the start of the event.

www.waterfrontfilm.org
tel 269.767.8765
PO Box 904
South Haven, Michigan 49090



Good Day,

The Waterfront Film Festival is seeking approval of a second location to be used in the case of rain for our Opening Night music and movie fundraiser to be held on June 12, 2014. The intended rain location is the Huron Street Pavilion. All other details will stay the same as indicated on the original application. Enclosed is the designated map.

Thank you for your time.

A handwritten signature in black ink that reads "Dori DePree". The signature is fluid and cursive, with the first name "Dori" and last name "DePree" clearly distinguishable.

Dori DePree
269.797.8765

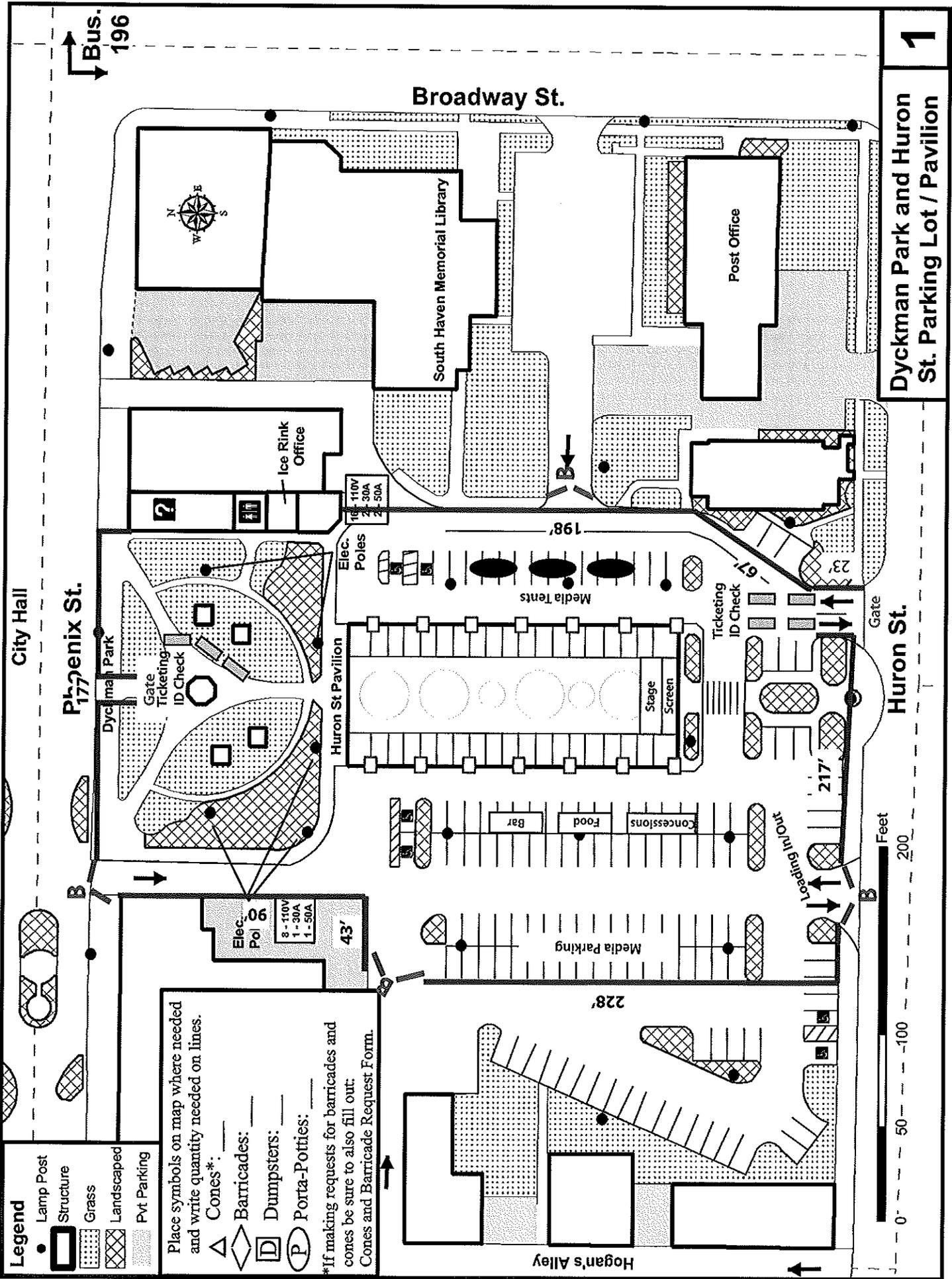
Legend

- Lamp Post
- ▭ Structure
- ▨ Grass
- ▩ Landscaped
- ▧ Pvt. Parking

Place symbols on map where needed and write quantity needed on lines.

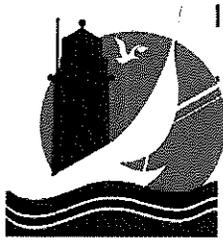
- △ Cones*
- ◇ Barricades:
- Dumpsters:
- Porta-Potties:

*If making requests for barricades and cones be sure to also fill out: Cones and Barricade Request Form.



Dyckman Park and Huron St. Parking Lot / Pavilion **1**

▨ = Fencing B = Barricades Approx. 217' x 318'



Department of Public Works
 DPW Building • 1199 8th Ave. • South Haven, Michigan 49090
 Telephone (269) 637-0737 • Fax (269) 637-4778

Cones and Barricades Request Form

Requester's Name Waterfront Film Festival
 Date Requested June 12, 2014
 Organization/Committee Waterfront Film Festival
 Mailing Address P.O. Box 904
South Haven, MI 49090
 Office/Main Phone 269-767-8765
 Cell Phone _____

EVENT: WFF Opening Night

DATE of EVENT: 6/12/2014

| CONES | Quantity | Who will pick up cones (Please Print Legibly) | Cell Phone | Pick Up Date/Time | Return Date/Time |
|-------|----------|--|------------|-------------------|------------------|
| | 30 | South Beach | | AM | AM |

Please note: Street cones that are damaged or not returned to the Public Works Department will be charged \$10.00 per cone.

| BARRICADES and Fencing | Quantity | Drop Off Location (Please Print Legibly) | Contact Person Cell Phone | Drop Off Date/Time | Pick Up Date/Time |
|------------------------|----------|---|------------------------------|--------------------|-------------------|
| | 10 | South Beach | AM | AM | PM |

Please note: Barricades that are damaged or not returned to the Public Works Department will be charged \$25.00 per barricade.

Borrower's Signature: _____

Authorized by: _____