

Village of Spring Lake

Council Work Session

February 12, 2018

7:00 p.m.

102 West Savidge Street (Upstairs Conference Room)
Spring Lake, MI 49456

www.springlakevillage.org

1	<p>7:00 p.m. – Cross Connection Contract (John Stuparits)</p> <p>The Village's initial contract with HydroCorp is coming to an end. Staff has been extremely pleased with the service that HydroCorp has provided and wishes to continue the relationship. A copy of the proposed contract is included for Council review</p>
2	<p>7:10 p.m. – Tax Billing (Marv Hinga)</p> <p>As part of the ongoing collaborative efforts between Spring Lake Township and the Village, the SLT/SLV Committee is recommending a new process to streamline tax billing for Village residents. In order to accomplish this, it is necessary to adopt a resolution approving the changes.</p>
3	<p>7:20 p.m. – Infographic Contract</p> <p>The Village has had a contractual relationship with Trapani Communications over the past 18 months for various communications related to newsletters and disincorporation. Staff has been pleased with the results produced by Ms. Trapani and her staff and would like to engage her services for a newsletter to be released in June (in conjunction with the budget adoption). The proposal is attached for Council review as is a sample of the newsletter (with Ms. Trapani's insert) that was sent out in Fall of 2016.</p>
4	<p>7:30 p.m. – M-231 Resolution of Support</p> <p>Vester Davis, Assistant to the Manager in Grand Haven, has requested a Resolution of Support (<i>attached</i>) to be considered by Council and forwarded to MDOT regarding M-231.</p>
5	<p>7:33 p.m. – CGAP Request</p>

	<p>The State of Michigan has recently announced another round of CGAP funding available to local municipalities. The SLT/SLV believe there are more opportunities for collaboration and wish to apply for further grant funding.</p>
6	<p>7:43 p.m. – Board Appointment</p> <ul style="list-style-type: none"> • Historic Conservation Committee (Kochmanski)
7	<p>7:45 p.m. – Budget Adjustments (Marv Hinga)</p>
8	<p>7:50 p.m. – DDA Update</p> <ul style="list-style-type: none"> • Spring Lake Village Adventure (May 4, 2018) • Spring Lake Female Entrepreneurs (October, 2018) • Veteran’s Day Event (November, 2018)
9	<p>8:00 p.m. – Summer Intern</p> <p>Staff has been discussing the possibility of hiring a full-time summer intern and sharing that intern (50/50) with SLT. Duties would primary be related to DDA projects and a small portion allocated to the general fund. This topic will be discussed in detail with the finance committee immediately prior to the work session.</p>
10	<p>8:09 p.m. – Communications</p> <ul style="list-style-type: none"> • Adopt-a-Garden Donation • CGAP Communication • Code Enforcement • Library Calendar • Snow Complaint • Storm Water Information
11	<p>8:11 p.m. - Minutes</p> <p>Minutes of the January 8, 2018 Work Session and January 15, 2018 regular meeting are attached for review. Should you wish to make edits, please share that information with Chris Burns or Maryann Fonkert prior to February 16, 2018.</p>
12	<p>8:12 - Public Comment</p>

	Council Work Sessions are open to the public, and as such, the public is invited to speak at the end of each meeting. Each speaker should limit their comments to 3 minutes.
13	8:15 – Adjourn

PROPOSAL

DEVELOPED FOR

John Stuparits

Director of Public Works

Village of Spring Lake

101 S. Buchanan Street

Spring Lake, MI 49456

January 29, 2018

KEEPING DRINKING WATER SAFE FOR INDUSTRIES AND MUNICIPALITIES

For over 30 years, HydroCorp™ has been dedicated to safe drinking water for companies and communities across North America. Fortune 500 firms, metropolitan centers, utilities, small towns and businesses – all rely on HydroCorp to protect their water systems, averting backflow contamination and the acute health risks and financial liabilities it incurs.

CROSS-CONNECTION
CONTROL / BACKFLOW
PREVENTION

WATER SYSTEM
SURVEYS / AUDITS

PIPE SYSTEM MAPPING
AND LABELING

WATER SAMPLING
AND ANALYSIS / RISK
ASSESSMENTS

PROGRAM
AND PROJECT
MANAGEMENT

COMPLIANCE
ASSISTANCE /
DOCUMENTATION



MICHIGAN CORPORATE OFFICE

5700 Crooks Road, Suite 100

Troy, MI 48098

800.690.6651 TOLL FREE

248.250.5000 PHONE

248.786.1788 FAX GENERAL

info@hydrocorpinc.com EMAIL



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SCOPE OF WORK

Based on our conversations, HydroCorp™ will provide the following services to the Village of Spring Lake. This project is a continued effort for an ongoing Cross-Connection Control Program and will provide the Village with the necessary data and information to maintain compliance with the Michigan Department of Environmental Quality (DEQ) Water Bureau Cross Connection Control Regulations. Once this project has been approved and accepted by the Village and HydroCorp, you may expect completion of the following elements within a three (3) year period. The components of the project include:

1. Annually, perform a minimum of **45** initial inspections, compliance inspections, and re-inspections at individual industrial, commercial, institutional facilities and miscellaneous water users within the Village served by the public water supply for cross-connections. Inspections will be conducted in accordance with the DEQ Water Bureau Cross Connection Control regulations.
2. Generate all backflow prevention assembly test notices, non-compliance notices and coordinate/monitor backflow prevention assembly testing compliance for all backflow prevention assemblies.
3. Perform administrative functions including: answering water user telephone calls, scheduling of inspections, mailing of all notices, verification of backflow prevention assembly tester credentials & proper testing results and general customer service and program education inquiries.
4. Generate and document the required program data for the facilities using the HydroCorp Software Data Management Program.
5. Submit comprehensive management reports on a quarterly basis.
6. Conduct an annual review meeting to discuss overall program status and recommendations.
7. Provide up to six- (6) ASSE approved hose bibb vacuum breakers or anti-frost hose bibb vacuum breakers, (i.e. combination) per facility as required, in order to place a facility into immediate compliance at the time of inspection.
8. Prepare the annual State of Michigan, DEQ Water Bureau Cross Connection Report.
9. Assist the Village with a community wide public relations program including general awareness brochures and customized web site cross connection control program overview content and resources.
10. Provide ongoing support via phone, fax, internet, text or email.

The above services will be provided for:

Monthly Amount: \$ 396.00	Annual Amount: \$ 4,752.00	Contract Total: \$ 14,256.00
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Contract Amount is based upon a 36-month period. HydroCorp will invoice in 36 equal amounts of \$ 396.00

PROFESSIONAL SERVICE AGREEMENT

This agreement, made and entered into this DATE by and between the Village of Spring Lake, organized and existing under the laws of the State of Michigan, referred to as "Utility", and HydroCorp™ a Michigan Corporation, referred to as "HydroCorp".

WHEREAS, the Utility supplies potable water throughout its corporate boundary to property owners; and desires to enter into a professional services contract for cross connection control program inspection, reporting and management services.

WHEREAS, HydroCorp is experienced in and capable of supplying professional inspection of potable water distribution systems and cross connection control program management to the Utility and the Utility desires to engage HydroCorp to act as its independent contractor in its cross connection control program.

WHEREAS, the Utility has the authority under the laws of the State of Michigan and its local governing body to enter into this professional services contract.

NOW THEREFORE, in consideration of the mutual agreements herein contained, and subject to the terms and conditions herein stated, the parties agree as follows:

ARTICLE I. Purpose

During the term of this Agreement, the Utility agrees to engage HydroCorp as an independent contractor to inspect and document its findings on its potable water distribution system in public, commercial and industrial facilities within the community. Each party to this Agreement agrees that it will cooperate in good faith with the other, its agents, and subcontractors to facilitate the performance of the mutual obligations set forth in this Agreement. Both Parties to this Agreement recognize and acknowledge that the information presented to them is complete and accurate, yet due to the inaccessible nature of water piping or due to access constraints within water users' facilities, complete and accurate data is not always available.

ARTICLE II. Scope of Services

The scope of services to be provided by HydroCorp under this Agreement will include the inspections/surveys, program administration, answering telephone call inquires, scheduling of inspections, program compliance review, public education materials, preparation of quarterly management reports, and annual cross connection reports with respect to the facilities to the extent specifically set forth in this Article II (hereinafter the "Scope of Services"). Should other reports/services be included within the Scope of Services, the same shall be appended to this Agreement as Exhibit 1.

2.1 PROGRAM REVIEW/PROGRAM START UP MEETING. HydroCorp will conduct a Program Startup Meeting for the Cross-Connection Control/Backflow Prevention Program. Items for discussion/review will include the following:

- Review state & local regulations
- Review and/or provide assistance in establishing local Cross-Connection Control Ordinance
- Review/establish wording and timeliness for program notifications including:
 - Inspection Notice
 - Compliance Notice
 - Non-Compliance Notices 1-2, Penalty Notices
- Special Program Notices
- Electronic use of notices/program information
- Obtain updated facility listing, address information and existing program data from Utility
- Prioritize Inspections (Village owned buildings, schools, high hazard facilities, special circumstances.)
- Review/establish procedure for vacant facilities



- Establish facility inspection schedule
- Review/establish procedures and protocol for addressing specific hazards
- Review/establish high hazard, complex facilities and large industrial facility inspection/containment procedures including supplemental information/notification that may be requested from these types of facilities in order to achieve program compliance.
- Review/establish program reporting procedures including electronic reporting tools
- Review/establish educational and public awareness brochures

2.2 INSPECTIONS. HydroCorp will perform initial inspections, compliance inspections, and re-inspections at individual industrial, commercial, institutional facilities and miscellaneous water users within the utility served by the public water supply for cross-connections. Inspections will be conducted in accordance with the Michigan Department of Environmental Quality Cross Connection Control Rules.

- *Initial Inspection* – the first time a HydroCorp representative inspects a facility for cross connections. Degree of Hazard will be assigned and/or verified during this facility visit. The Degree of Hazard will dictate future re-inspection frequency/schedule of facility, (facility will be either compliant or non-compliant after this inspection).
- *Compliance Inspection* – subsequent visit by a HydroCorp representative to a facility that was non-compliant during the *Initial Inspection* to verify that corrective action was completed and meets the program requirements.
- *Re-Inspection* – Revisit by a HydroCorp representative to a facility that was previously inspected. The re-inspection frequency/schedule is based on the degree of hazard assigned to the facility during the initial inspection (one or five year re-inspection cycle).

2.3 INSPECTION SCHEDULE. HydroCorp shall determine and coordinate the inspection schedule. Inspection personnel will check in/out on a daily basis with the Utility’s designated contact person. The initial check in will include a list of inspections scheduled. An exit interview will include a list of inspections completed.

2.4 PROGRAM DATA. HydroCorp will generate and document the required program data for the Facility Types listed in the Scope of Services using the HydroCorp Software Data Management Program. Program Data shall remain property of the Utility; however, the HydroCorp Software Data Management program shall remain the property of HydroCorp and can be purchased for an additional fee. Data services will include:

- Prioritize and schedule inspections
- Notify users of inspections, backflow device installation and testing requirements if applicable
- Monitor inspection compliance using the HydroCorp online software management program.
- Maintain program to comply with all MDEQ regulations

2.5 MANAGEMENT REPORTS. HydroCorp will submit comprehensive management reports in electronic, downloadable format on a quarterly & annual basis to the Utility. Reports to include the following information:

- Name, location and date of inspections
- Number of facilities inspected/surveyed
- Number of facilities compliant/non-compliant

2.6 REVIEW OF CROSS-CONNECTION CONTROL ORDINANCE. HydroCorp will review or assist in the development of a cross-connection control ordinance. Items for review include:

- Code adoption references, standard operational procedures, program notice documentation, reporting procedures and preference standards.
- Penalties for noncompliance.



- 2.7 VACUUM BREAKERS.** HydroCorp will provide up to six (6) ASSE approved hose bibb vacuum breakers or anti-frost hose bibb vacuum breakers per facility as required, in order to place a facility into immediate compliance at the time of inspection if no other cross-connections are identified.
- 2.8 PUBLIC RELATIONS PROGRAM.** HydroCorp will assist the Utility with a community-wide public relations program including general awareness brochures and website cross connection control program content.
- 2.9 SUPPORT.** HydroCorp will provide ongoing support via phone, fax, text, website or email for the contract period.
- 2.10 FACILITY TYPES.** The facility types included in the program are as follows:
- Industrial
 - Institutional
 - Commercial
 - Miscellaneous Water users
 - Multifamily
- Complex Facilities.** Large industrial and high hazard complexes or facilities may require inspection/survey services outside the scope of this Agreement. (HydroCorp typically allows a maximum of up to three (3) hours of inspection time per facility.) An independent cross connection control survey (at the business owner's expense) may be required at these larger/complex facilities and the results submitted to the Utility to help verify program compliance.
- 2.11 INSPECTION TERMS.** HydroCorp will perform a minimum of **135 Non-Residential** inspections over a **three – (3)** year contract period. The total inspections include all initial inspections, compliance and re-inspections. *Vacant facilities that have been provided to HydroCorp, scheduled no show or refusal of inspection will count as an inspection/site visit for purposes of the contract.*
- 2.12 COMPLIANCE WITH DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).** HydroCorp will assist in compliance with DEQ and Michigan Plumbing Code cross connection control program requirements for all commercial, industrial, institutional, residential, multifamily and public authority facilities.
- 2.13 POLICY MANUAL.** HydroCorp will review and/or develop a comprehensive cross connection control policy manual/plan and submit to the appropriate regulatory agency for approval on behalf of the Utility.
- 2.14 INVENTORY.** HydroCorp shall inventory all accessible (ground level) backflow prevention assemblies and devices. Documentation will include: location, size, make, model and serial number if applicable.
- 2.15 DATA MANAGEMENT.** HydroCorp shall provide data management and program notices for all inspection services throughout the contract period.
- 2.16 ANNUAL YEAR END REVIEW.** HydroCorp will conduct an on-site annual year-end review meeting to discuss overall program status and specific program recommendations.
- 2.17 CROSS CONNECTION CONTROL BROCHURES.** HydroCorp will provide approximately **300** cross-connection control educational brochures for the duration of the Agreement.
- 2.18 INSURANCE.** HydroCorp will provide all required copies of general liability, workers' compensation and errors and omissions insurance naming the Utility as an additional insured if required.



ARTICLE III. Responsibilities of the Utility

- 3.1 UTILITY'S REPRESENTATIVE.** On or before the date services are to commence under this Agreement, the Utility shall designate an authorized representative ("Authorized Representative") to administer this Agreement.
- 3.2 COMPLIANCE WITH LAWS.** The Utility, with the technical and professional assistance of HydroCorp, shall comply with all applicable local, state, and federal laws, codes, ordinances, and regulations as they pertain to the water inspection and testing, and shall pay for any capital improvements needed to bring the water treatment and delivery system into compliance with the aforementioned laws.
- 3.3 NOTICE OF LITIGATION.** In the event that the Utility or HydroCorp has or receives notice of or undertakes the prosecution of any actions, claims, suits, administrative proceedings, investigations or other proceedings in connection with this Agreement, the party receiving such notice or undertaking of such prosecution shall give the other party timely notice of such proceedings and will inform the other party in advance of all hearings regarding such proceedings
- 3.4 FACILITY LISTING.** The Utility must provide HydroCorp a complete list of facilities to be inspected, including facility name, type of service connection, address, contact person, and phone number, (if available). *Electronic file format such as Microsoft Excel, etc. is required. An additional one-time fee to manually enter facility listing will be charged at the rate of \$80.00 per hour. Incorrect facility addresses will be returned to the Utility contact and corrected address will be requested.*
- 3.5 LETTERHEAD/LOGO.** The Utility will provide HydroCorp with an electronic file copy of the utility logo or utility letterhead and all envelopes for the mailing of all official program correspondence only. (300 dpi in either .eps, or other high quality image format for printing.)

ARTICLE IV. Term, Compensation and Changes in Scope of Services

- 4.1 TERM AND TERMINATION TERM.** Services by HydroCorp under this Agreement shall commence on DATE and end three – (3) year from such date, unless this Agreement is renewed or terminated as provided herein. The terms of this Agreement shall be valid only upon the execution of this Agreement within ninety (90) days of its receipt. Failure to execute this Agreement within the ninety (90) day period shall deem the proposed terms void.
- 4.2 RENEWAL.** Upon the expiration of this Agreement the utility will have the option to renew this contract for two (2) consecutive one (1) year periods. Any increases in pricing for each of the renewal periods will be equal to the Consumer Price Index at the time of renewal or 3%, whichever is less.
- 4.3 TERMINATION.** The Utility or HydroCorp may terminate this Agreement at any time and on any date in the initial and renewal terms of this Agreement, with or without any cause, by giving written notice of such intent to terminate to the other party at least thirty (30) days prior to the effective date of termination. Notice of the intent to terminate shall be given in writing by personal service, by an authorized agent, or by certified mail, return receipt requested. The Utility shall pay the balance of any outstanding accounts for work performed by HydroCorp.
- 4.4 BASE COMPENSATION.** The Utility shall pay HydroCorp as compensation ("Base Compensation") for labor, equipment, material, supplies, and utilities provided and the services performed pursuant to this Agreement, **\$396.00 per month, \$4,752.00 annually, for a three year contract total of \$14,256.00.** Completed inspections shall consist of all initial inspections, re-inspections and compliance inspections as defined in section 2.2.



- 4.5 PAYMENT OF INVOICES.** Upon presentation of invoices by HydroCorp, all payments including base and other compensation shall be due and payable on the first day of each month (due date) after the month for which services have been rendered. All such payments shall be made no later than thirty (30) days after the due date. Failure to pay shall be deemed a default under this Agreement. For any payment to HydroCorp which is not made within thirty (30) calendar days after the due date, HydroCorp, shall receive interest at one and one-half (1½) percent per month on the unpaid balance.
- 4.6 CHANGES IN SCOPE OF SERVICES.** In the event that the Utility requests and HydroCorp consents to perform additional work or services involving the consulting, management, operation, maintenance, and repair of the Utility's water delivery system where such services or work exceeds or changes the Scope of Services contemplated under this Agreement, HydroCorp shall be provided additional compensation. Within thirty (30) calendar days from the date of notice of such additional work or services, the parties shall mutually agree upon an equitable sum for additional compensation. This amount shall be added to the monthly sum effective at the time of change in scope. Changes in the Scope of Service include, but are not limited to, requests for additional service by the Utility or additional costs incurred in meeting new or changed government regulations or reporting requirements.
- 4.7 CLIENT CONFIDENTIALITY.** Disclosure of all communications between HydroCorp and the Utility regarding business practices and other methods and forms of doing business is subject to the provisions of Michigan Public Records Law. HydroCorp agrees to make available for inspection and copying all records in its possession created, produced, collected or otherwise related to this Agreement to the same extent as if the records were maintained by the Utility. HydroCorp expressly acknowledges and agrees that its obligations concerning Public Records Law and compliance under this Agreement should not be limited by copyright, license, privacy and/or confidentiality except as authorized under the Public Records Law.
- 4.8 ACCESSIBILITY.** Backflow prevention device information will be completed in full only when the identifying information (i.e. data plate, brass tag, etc.) is accessible and visible from ground level or from a fixed platform/mezzanine.
- 4.9 CONFINED SPACES.** – HydroCorp personnel will not enter confined spaces.

ARTICLE V. Risk Management and General Provisions

- 5.1 INFORMATION.** Both Parties to this Agreement recognize and acknowledge that the information presented to them is complete to the best of their knowledge, yet due to the inaccessible nature of water piping or lack of access provided by property owner/water user, complete accurate data is not always available. Cross-connection control inspection and results are documented as of a specific date. The property owner and/or water user may make modifications to the potable water system after the inspection date that may impact compliance with the program.
- 5.2 LIMITATION OF LIABILITY.** HydroCorp's liability to the Utility for any loss, damage, claim, or expense of any kind or nature caused directly or indirectly by the performance or non-performance of obligations pursuant to this Agreement shall be limited to general money damages in an amount not to exceed or within the limits of the insurance coverage provided hereunder. HydroCorp shall in no event be liable for indirect or consequential damages, including but not limited to, loss of profits, loss of revenue, or loss of facilities, based upon contract, negligence, or any other cause of action.



5.3 HYDROCORP INSURANCE. HydroCorp currently maintains the following insurance coverage's and limits:

	<u>Occurrence</u>	<u>Aggregate</u>
Comprehensive General Liability	\$1 Million	\$2 Million
Excess Umbrella Liability	\$5 Million	\$5 Million
Automobile Liability (Combined Single Limit)	\$1 Million	
Worker's Compensation/ Employer's Liability	\$1 Million	
Errors and Omissions	\$2 Million	\$2 Million

Within thirty (30) calendar days of the start of the project, HydroCorp shall furnish the Utility with satisfactory proof of such insurance, and each policy will require a 30-day notice of cancellation to be given to the Utility while this Agreement is in effect. The Utility shall be named as an additional insured according to its interest under the general liability policy during the term of this Agreement.

5.4 UTILITY INSURANCE. The Utility will maintain liability insurance on an all risk basis and including extended coverage for matters set forth in this Agreement.

5.5 RELATIONSHIP. The relationship of HydroCorp to the Utility is that of independent contractor and not one of employment. None of the employees or agents of HydroCorp shall be considered employees of the Utility. For the purposes of all state, local, and federal laws and regulations, the Utility shall exercise primary management, and operational and financial decision-making authority.

5.6 ENTIRE AGREEMENT AMENDMENTS. This Agreement contains the entire Agreement between the Utility and HydroCorp, and supersedes all prior or contemporaneous communications, representations, understandings, or agreements. This Agreement may be modified only by a written amendment signed by both parties.

5.7 HEADINGS, ATTACHMENTS, AND EXHIBITS. The heading contained in this Agreement is for reference only and shall not in any way affect the meaning or interpretation of this Agreement. The Attachments and Exhibits to this Agreement shall be construed as integral parts of this Agreement.

5.8 WAIVER. The failure on the part of either party to enforce its rights as to any provision of this Agreement shall not be construed as a waiver of its rights to enforce such provisions in the future.

5.9 ASSIGNMENT. This Agreement shall not be assigned by either party without the prior written consent of the other unless such assignment shall be to the affiliate or successor of either party.

5.10 FORCE MAJEURE. A party's performance under this Agreement shall be excused if, and to the extent that, the party is unable to perform because of actions due to causes beyond its reasonable control such as, but not limited to, Acts of God, the acts of civil or military authority, loss of potable water sources, water system contamination, floods, quarantine restrictions, riot, strikes, commercial impossibility, fires, explosions, bombing, and all such interruptions of business, casualties, events, or circumstances reasonably beyond the control of the party obligated to perform, whether such other causes are related or unrelated, similar or dissimilar, to any of the foregoing. In the event of any such force majeure, the party unable to perform shall promptly notify the other party of the existence of such force majeure and shall be required to resume performance of its obligations under this Agreement upon the termination of the aforementioned force majeure.

5.11 AUTHORITY TO CONTRACT. Each party warrants and represents that it has authority to enter into this Agreement and to perform the obligations, including any payment obligations, under this Agreement.

5.12 GOVERNING LAW AND VENUE. This Agreement shall be governed by and construed in accordance with the laws of the State of Michigan, regardless of the fact that any of the parties hereto may be or may become a resident of a different state or jurisdiction. Any suit or action arising shall be filed in a court of competent jurisdiction within the State of Michigan, venue by the presiding County. The parties hereby consent to the personal jurisdiction of said court within the State of Michigan.



5.13 COUNTERPARTS. This Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original and all of which together shall be deemed to be one and the same instrument.

5.14 NOTICES. All notices, requests, demands, payments and other communications which are required or may be given under this Agreement shall be in writing and shall be deemed to have been duly given if delivered personally or sent by nationally recognized overnight carrier, or mailed by certified mail, postage prepaid, return receipt requested, as follows:

If to HydroCorp:

HydroCorp
c/o Mark Martin
5700 Crooks Road, Ste. 100
Troy, MI 48337
(248) 250-5005

If to Utility:

Village of Spring Lake
c/o John Stuparits
101 S. Buchanan Street
Spring Lake, MI 49456
(616) 842-1393

5.15 SEVERABILITY. Should any part of this Agreement for any reason, be declared invalid or void, such declaration will not affect the remaining portion, which will remain in full force and effect as if the Agreement has been executed with the invalid portion eliminated.

SIGNATURES

IN WITNESS WHEREOF, the parties have duly executed this Agreement effective as of the date first above written.

Village of Spring Lake

By:
Title:

HydroCorp



By: John Hudak
Its: President



Appendix

Specific Qualifications & Experience

HydroCorp™ is a professional service organization that specializes in Cross Connection Control Programs. Cross Connection Control Program Management & Training is the main core and focus of our business. We are committed to providing water utilities and local communities with a cost effective and professionally managed cross connection control program in order to assist in protecting the public water supply.

- HydroCorp conducts over 30,000 Cross Connection Control Inspections *annually*.
- HydroCorp tracks and manages over 35,000+ backflow prevention assemblies for our Municipal client base.
- Our highly trained staff works in an efficient manner in order to achieve maximum productivity and keep program costs affordable. We have a detailed **system** and **process** that each of our field inspectors follow in order to meet productivity and quality assurance goals.
- Our municipal inspection team is committed to providing outstanding customer service to the water users in each of the communities we serve. We teach and train customer service skills in addition to the technical skills since our team members act as representatives of the community that we service.
- Our municipal inspection team has attended training classes and received certification from the following recognized Cross Connection Control Programs: UF TREEO, UW-Madison, and USC – Foundation for Cross Connection Control and Hydraulic Research, American Backflow Prevention Association (ABPA), American Society for Sanitary Engineering (ASSE). HydroCorp recognizes the importance of Professional Development and Learning. We invest heavily in internal and external training with our team members to ensure that each Field Service and Administrative team member has the skills and abilities to meet the needs of our clients.
- We have a trained administrative staff to handle client needs, water user questions and answer telephone calls in a professional, timely and courtesy manner. Our administrative staff can answer most technical calls related to the cross connection control program and have attended basic cross connection control training classes.
- HydroCorp currently serves over 200 communities in Michigan, Wisconsin, Maryland, Delaware, Virginia & Florida. We still have our first customer!
- HydroCorp and its' staff are active members in many water industry associations including: National Rural Water Association, State Rural Water Associations, National AWWA, State AWWA Groups, HydroCorp is committed to assisting these organizations by providing training classes, seminars and assistance in the area of Cross Connection Control.
- Several Fortune 500 companies have relied on HydroCorp to provide Cross Connection Control Surveys, Program Management & Reporting to assist in meeting state/local regulations as well as internal company guidelines.



**VILLAGE OF SPRING LAKE
OTTAWA COUNTY, MICHIGAN**

RESOLUTION NUMBER 2018-??

**A RESOLUTION AUTHORIZING SPRING LAKE TOWNSHIP
TO COLLECT PROPERTY TAXES**

WHEREAS, the Village of Spring Lake would like to contract with Spring Lake Township to collect 2018 Village property taxes on the Summer 2018 Township Tax Bill; and

WHEREAS, these arrangements will be highly efficient for Village Taxpayers; and

WHEREAS, the State of Michigan encourages cooperation and consolidation between local units of government; and

WHEREAS, the village taxpayers and their mortgage companies gain from the convenience of being able to see their Village and Township taxes on one statement and make those payments at one time.

NOW THEREFORE BE IT RESOLVED, the Village Council does authorize Spring Lake Township to levy and collect real and personal property taxes for the Village of Spring Lake for the 2018 Tax Year.

Yes:

No:

I, Marvin Hinga, Village Clerk, do hereby certify that the foregoing is a true and original copy of a resolution adopted by the Village of Spring Lake at a Regular Meeting thereof held on the 19th Day of February 2018.

RESOLUTION DECLARED ADOPTED.

Dated: _____

Marvin Hinga, Clerk
Village of Spring Lake

ESTIMATE

January 23, 2018

TO: Village of Spring Lake
ATTN: Christine Burns, City Manager

FROM: Stacey Trapani, President
Trapani Communications, Inc.

RE: Village Budget Infographic, total of 6 pages (2 for updated infographic and 4 additional pages for the Village newsletter.)

Graphic Design – Graphic design, development and execution including design and layout for entire project through to coordination with printer

Copywriting – Minor editing to information that is provided, proofreading, routing, revisions

Admin/Acct Services – Account management, administration, meetings & consultation

Cost estimate for 2-sided infographic plus 4-page newsletter: **\$4,800.00**

Cost estimate for 2-sided infographic only: **\$2,100.00**

Estimated purchase of photography and/or stock art: **\$600-\$700**

Thank you!

VILLAGE OF SPRING LAKE
STATE OF MICHIGAN

RESOLUTION

At a regular meeting of the Village Council of the Village of Spring Lake, Michigan held at the Barber School in the village of Spring Lake, Michigan on the 19th day of February, 2018 at 7:00 o'clock p.m. local time.

PRESENT: Councilmembers _____

ABSENT: Councilmembers _____

It was moved by Council Member _____ and supported by Council Member _____ that the following Resolution be adopted:

WHEREAS, the Michigan Department of Transportation (MDOT) completed construction of Phase I of M-231 (I-96 to M-45) in 2015; and

WHEREAS, MDOT has begun working with local officials in Ottawa County to identify priority-segments for potential subsequent phases (Phase II) of the M-231 corridor (generally between I-196 and M-45 in Ottawa County, previously known as Alternative F/J-1) as it relates to evaluating and commencing with corridor preservation efforts (see attached map); and

WHEREAS, substantial economic growth is occurring and is expected to occur in the southern end of the proposed route of M-231 (96th Avenue to I-196 interchange); and

WHEREAS, the economic growth is resulting in and will continue to result in an increase in traffic congestion in the vicinity of the southern end of the proposed route of M-231, within the previously identified proposed alternative F/J-1; and

WHEREAS, the proposed Phase II route of M-231 would provide a bypass for increasing traffic in this southern vicinity in order to alleviate congestion; and

WHEREAS, limited options exist along I-196 in Zeeland Charter Township to construct an interchange between the proposed route of M-231 and I-196; and

WHEREAS, the inability to preserve a suitable I-196 interchange location would make the practicality of constructing the entirety of the remaining segments of M-231 as identified previously in proposed alternative F/J-1, between I-196 and M-45, less likely due to significant costs and impacts; and

WHEREAS, in light of continued economic growth in this vicinity, it is important to assign priority for Phase II as it pertains to evaluating the need for and protecting the previously identified proposed F/J-1 corridor along the southern portion of the M-231 route (96th Avenue to I-196); and

WHEREAS, assigning priority to review and preserve Phase II as identified herein, wherever feasible, and potentially construct the proposed Phase II segment of M-231 in the southern portion of the previously identified proposed alternative F/J-1 bypass, will not detract from the identified local support and need for, or future evaluation and construction of, the entire route of M-231 within F/J-1;

NOW THEREFORE BE IT RESOLVED, that Ottawa County is in support of the need for MDOT, local governments and transportation agencies in Ottawa County to begin

evaluation of the proposed M-231 Phase II route in the southern portion of the previously identified proposed alternative F/J-1 bypass (96th Avenue to I-196).

BE IT FURTHER RESOLVED, that Ottawa County will establish a M-231 Corridor Preservation Committee that is comprised of at least one representative from each local unit of government impacted by the proposed M-231 route as a means to coordinate the review and, where applicable, the implementation of land use planning techniques to preserve properties along the entirety of the proposed M-231 route, as identified within the proposed alternative F/J-1. Moreover, when MDOT commits funding to the M-231 project, and/or establishes a timeline to evaluate and construct the proposed M-231 route, whether in segments or in its entirety, Ottawa County will strengthen its coordination efforts to help preserve the corridor route given the demonstrated commitment from MDOT to pursue the project.

YEAS: Councilmen _____

NAYS: Councilmen _____

ABSENCES: Councilmen _____

RESOLUTION ADOPTED:

Mark Powers, Village President

Marvin Hinga, Village Clerk

Christine Burns

From: Vester Davis <vdavis@grandhaven.org>
Sent: Thursday, January 18, 2018 2:08 PM
To: Christine Burns
Subject: M231 County Board Resolution
Attachments: M231 County Board Resolution Dec 2017_SLV.docx; 01152018AGENDA - 01152018cm.pdf

Chris,

On December 26, 2017, Ottawa County Board of Commissioners adopted the attached resolution to encourage Michigan Department of Transportation (MDOT) to speed up its evaluation of the proposed M-231 Phase II route so the economic growth and development that is occurring at the south end of the county does not inhibit the original M-231 corridor plans.

At the Grand Haven City Council Meeting held Monday night, Ottawa Commissioner Roger Bergman gave a brief presentation and asked for Council's support and advocacy of the resolution. City Council responded positively so I intend on bringing this resolution before City Council for consideration on Monday, February 5.

Is it possible for you to do the same, place the attached M231 Resolution on your board's agenda for consideration? If approved, could you email me a copy of the adopted resolution so I can collate all adopted resolutions and send them over to Al Vandenberg?

Thank you,

Vester Davis
Assistant to the City Manager

CITY of GRAND HAVEN
City Manager's Office

519 Washington Avenue
Grand Haven, MI 49417
E: vdavis@grandhaven.org
O: (616) 847-4888
www.grandhaven.org
[@GrandHavenCMO](https://www.facebook.com/GrandHavenCMO)
[City of Grand Haven Facebook](#)
[SeeClickFix](#)

OTTAWA COUNTY
STATE OF MICHIGAN

RESOLUTION

At a regular meeting of the Board of Commissioners of the County of Ottawa, Michigan held at the Fillmore Street Complex in the township of Olive, Michigan on the 26th day of December, 2017 at 1:30 o'clock p.m. local time.

PRESENT: Commissioners Frank Garcia, Joseph Baumann, Donald Disselkoen, Michael Haverdink, Kelly Kuiper, Gregory DeJong, Philip Kuyers, Roger Bergman, Matthew Fenske. (9) _____

ABSENT: Commissioners Allen Dannenberg, James Holtvluwer. (2) _____

It was moved by Commissioner Kuyers and supported by Commissioner Bergman that the following Resolution be adopted:

WHEREAS, the Michigan Department of Transportation (MDOT) completed construction of Phase I of M-231 (I-96 to M-45) in 2015; and

WHEREAS, MDOT has begun working with local officials in Ottawa County to identify priority-segments for potential subsequent phases (Phase II) of the M-231 corridor (generally between I-196 and M-45 in Ottawa County, previously known as Alternative F/J-1) as it relates to evaluating and commencing with corridor preservation efforts (see attached map); and

WHEREAS, substantial economic growth is occurring and is expected to occur in the southern end of the proposed route of M-231 (96th Avenue to I-196 interchange); and

WHEREAS, the economic growth is resulting in and will continue to result in an increase in traffic congestion in the vicinity of the southern end of the proposed route of M-231, within the previously identified proposed alternative F/J-1; and

WHEREAS, the proposed Phase II route of M-231 would provide a bypass for increasing traffic in this southern vicinity in order to alleviate congestion; and

WHEREAS, limited options exist along I-196 in Zeeland Charter Township to construct an interchange between the proposed route of M-231 and I-196; and

WHEREAS, the inability to preserve a suitable I-196 interchange location would make the practicality of constructing the entirety of the remaining segments of M-231 as identified previously in proposed alternative F/J-1, between I-196 and M-45, less likely due to significant costs and impacts; and

WHEREAS, in light of continued economic growth in this vicinity, it is important to assign priority for Phase II as it pertains to evaluating the need for and protecting the previously identified proposed F/J-1 corridor along the southern portion of the M-231 route (96th Avenue to I-196); and

WHEREAS, assigning priority to review and preserve Phase II as identified herein, wherever feasible, and potentially construct the proposed Phase II segment of M-231 in the southern portion of the previously identified proposed alternative F/J-1 bypass, will not detract from the identified local support and need for, or future evaluation and construction of, the entire route of M-231 within F/J-1;

NOW THEREFORE BE IT RESOLVED, that Ottawa County is in support of the need for MDOT, local governments and transportation agencies in Ottawa County to begin evaluation of the proposed M-231 Phase II route in the southern

portion of the previously identified proposed alternative F/J-1 bypass (96th Avenue to I-196).

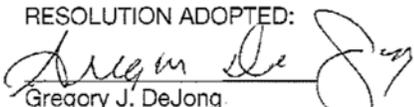
BE IT FURTHER RESOLVED, that Ottawa County will establish a M-231 Corridor Preservation Committee that is comprised of at least one representative from each local unit of government impacted by the proposed M-231 route as a means to coordinate the review and, where applicable, the implementation of land use planning techniques to preserve properties along the entirety of the proposed M-231 route, as identified within the proposed alternative F/J-1. Moreover, when MDOT commits funding to the M-231 project, and/or establishes a timeline to evaluate and construct the proposed M-231 route, whether in segments or in its entirety, Ottawa County will strengthen its coordination efforts to help preserve the corridor route given the demonstrated commitment from MDOT to pursue the project.

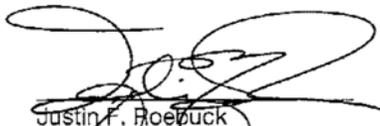
YEAS: Commissioners Joseph Baumann, Frank Garcia, Kelly Kuiper, Roger Bergman, Donald Disselkoen, Michael Haverdink, Philip Kuyers, Matthew Fenske, Gregory DeJong. (9) _____

NAYS: Commissioners None _____

ABSENTIONS: Commissioners None _____

RESOLUTION ADOPTED:


Gregory J. DeJong
Chairman, Board of Commissioners


Justin F. Roeluck
County Clerk/Register

[GOVERNMENTAL UNIT]
STATE OF MICHIGAN

RESOLUTION

At a regular meeting of the [governmental unit], held at [location] on [date] at [time] local time.

PRESENT: _____

ABSENT: _____

It was moved by [name] and supported by [name] that the following Resolution be adopted:

WHEREAS, the Michigan Department of Transportation (MDOT) completed construction of Phase I of M-231 (I-96 to M-45) in 2015; and

WHEREAS, MDOT has begun working with local officials in Ottawa County to identify priority segments for potential subsequent phases (Phase II) of the M-231 corridor (generally between I-196 and M-45 in Ottawa County, previously known as Alternative F/J-1) as it relates to evaluating and commencing with corridor preservation efforts (see attached map); and

WHEREAS, substantial economic growth is occurring and is expected to occur in the southern end of the proposed route of M-231 (96th Avenue to I-196 interchange); and

WHEREAS, the economic growth is resulting in and will continue to result in an increase in traffic congestion in the vicinity of the southern end of the proposed route of M-231, within the previously identified proposed alternative F/J-1; and

WHEREAS, the proposed Phase II route of M-231 would provide a bypass for increasing traffic in this southern vicinity in order to alleviate congestion; and

WHEREAS, limited options exist along I-196 in Zeeland Charter Township to construct an interchange between the proposed route of M-231 and I-196; and

WHEREAS, the inability to preserve a suitable I-196 interchange location would make the practicality of constructing the entirety of the remaining segments of M-231 as identified previously in proposed alternative F/J-1, between I-196 and M-45, less likely due to significant costs and impacts; and

WHEREAS, in light of continued economic growth in this vicinity, it is important to assign priority for Phase II as it pertains to evaluating the need for and protecting the previously identified proposed F/J-1 corridor along the southern portion of the M-231 route (96th Avenue to I-196); and

WHEREAS, assigning priority to review and preserve Phase II as identified herein, wherever feasible, and potentially construct the proposed Phase II segment of M-231 in the southern portion of the previously identified proposed alternative F/J-1 bypass, will not detract from the identified local support and need for, or future evaluation and construction of, the entire route of M-231 within F/J-1;

NOW THEREFORE BE IT RESOLVED, that [governmental unit] is in support of the need for MDOT, local governments and transportation agencies in Ottawa County to begin evaluation of the proposed M-231 Phase II route in the southern portion of the previously identified proposed alternative F/J-1 bypass (96th Avenue to I-196); and

BE IT FURTHER RESOLVED, that [governmental unit] will participate in a Corridor Preservation Committee spearheaded by Ottawa County as a means to coordinate the review and, where applicable, the implementation of land use planning techniques to preserve properties along the entirety of the proposed M-231 route, as identified previously within the proposed alternative F/J-1. Moreover, when MDOT commits funding to the M-231 project, and/or establishes a timeline to evaluate and construct the proposed M-231 route, whether in segments or in its entirety, [governmental unit] will strengthen its efforts to preserve the corridor route given the demonstrated commitment from MDOT to pursue the project.



Board and Commission Application



Name: Elizabeth Kochmanski Telephone: 631-327-2870

Address: 229 E Sande Street Date: 2/4/2018

Email Address: eschultheis@gmail.com

Years as a Village Resident: 6 months Occupation¹: Scientist - Postdoctoral Researcher

Background/Interests: We just moved here from Denver - we missed the feel of a small Michigan coastal town. The old homes and unique character of the village attracted us immediately. I am married and have two small dogs. I grew up in an old home and have always valued preserving and learning about the history of the place I live.

Please check the board(s) or commission(s) that you would be willing to serve on:

- | | | |
|--|--|---|
| <input type="checkbox"/> Village Council | <input type="checkbox"/> Friends of Barber School | <input type="checkbox"/> Beautification Committee |
| <input type="checkbox"/> Planning Commission | <input checked="" type="checkbox"/> Historic Commission | <input type="checkbox"/> DDA |
| <input type="checkbox"/> Zoning Board of Appeals | <input type="checkbox"/> Development Area Citizens Council | <input type="checkbox"/> Library Liaison |
| <input type="checkbox"/> Parks & Recreation/Tree Board | <input type="checkbox"/> Spring Lake Lake Board | <input type="checkbox"/> Lloyd's Bayou |

The above boards typically meet on a monthly basis, with the exception of the ZBA which meets on an "as needed" basis. Quorums are required for any board to act, so attendance is important. Do you feel the other board members can count on your regular attendance so that business can be conducted?

Yes No Seasonally - from _____ to _____

Why would you like to be on the board(s) or commission(s) you have selected: (Please use reverse side if necessary)

I have always loved old homes and feel that the historic character of a town is what gives it an identity. I would like to join the commission to learn more about my new home and to give back to the community. The features that attracted me (small coastal town, historic charm, great schools, beautiful public spaces) I feel can continue to attract visitors & new residents.

Concerns for the Village; if any: I am excited about all the new business development and would want to ensure that it meets the needs of seasonal & full-year residents. The quality of life is something that attracted me to the village and I would want to make sure that was maintained, including the amazing public spaces like the bike path & dog park.

The Village of Spring Lake assures that no person shall, on the grounds of race, color, national origin, or sex be excluded from or participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity. The Village of Spring Lake further assures every effort will be made to ensure nondiscrimination in all of its committees, programs and activities, regardless of the funding source.

¹ Please attach a resume.

Elizabeth H. Kochmanski (Schultheis)

Michigan State University ♦ BEACON Center for the Study of Evolution in Action
567 Wilson Avenue, BPS 1441, East Lansing, MI 48823
eschultheis@gmail.com ♦ schulth5@msu.edu ♦ 631.327.2870

Academic Appointments

2015-present *Postdoctoral Researcher*, Michigan State University. Data Nuggets, BEACON Center for the Study of Evolution in Action; advised by Dr. Louise Mead

Education

2008-2015 *Doctor of Philosophy (PhD)*, Michigan State University. Department: Plant Biology and Ecology, Evolutionary Biology, and Behavior; advised by Dr. Jennifer A. Lau
2004-2008 *Bachelor of Arts (BA)*, Colgate University, magna cum laude and Colgate Deans Award for Academic Excellence. Major: Environmental Biology, Minor: Philosophy

Grant Support of Research

2018 Synthesis and design workshop, National Science Foundation (NSF). *Fostering interdisciplinary collaborations to craft data-intensive digital education resources (submitted)*
2017 Long Term Ecological Research (LTER) *Teacher Fellow Support (\$6,000)*
2016 BEACON Center for the Study of Evolution in Action, MSU. *Bringing Data to Life in Science Classrooms (\$61,592)*
2015-2019 Discovery Research K-12 (DRK-12), NSF. *Scientific Data in Schools: Measuring the efficacy of an innovative approach to integrating quantitative reasoning in secondary science (\$2,311,049)*
2015 BEACON Center for the Study of Evolution in Action, MSU. *Data on Data Nuggets: Assessing the efficacy of an innovative science education resource to build a foundation for future support (\$61,592)*
2014 BEACON Center for the Study of Evolution in Action, MSU. *Taking Data Nuggets to the national level (\$92,718)*
2013 BEACON Center for the Study of Evolution in Action, MSU. *Data Nuggets: Unearthing Inquiry skills (\$107,442)*
2012-2014 Doctoral Dissertation Improvement Grant (DDIG), NSF. *The dynamic role of natural enemies during plant invasions (\$14,943)*
2012-2014 Kathryn Porter Graduate Fellowships, Kellogg Biological Station (\$1,500)
2012 The Hanes Trust Fellowship (\$5,500)
2012 Michigan Botanical Foundation Fellowship (\$1,500)
2010-2011 G.H. Lauff Research Awards, Kellogg Biological Station (\$1,000)
2010 Grant-In-Aid of Research, Sigma Xi. *The role of plant-soil feedbacks in the biological invasion of Acer platanoides, and implications for native forests (\$760)*
2009-2017 Various Travel Fellowships (\$5,785)
2008-2010 Plant Sciences Fellowship, College of Natural Science, Michigan State University (\$2,000)

Publications

*undergraduate co-author

Schultheis, E.H. (in prep). Performance consequences of enemy release depend on invasion age but do not explain invasiveness. Ecology

Schultheis, E.H., I. Ibáñez, and J.A. Lau (in prep). Mutualism gain and competitor release, not enemy release, explain invasive success: a meta-analysis. Ecology

Schultheis, E.H. and D.J. MacGuigan* (in review). Competitive ability, not tolerance, may explain success of invasive plants over native and noninvasive exotics. Biological Invasions

Portales*, C., T. Van Doornik*, **E.H. Schultheis**, and T. Suwa (2015). A novel impact of a novel weapon: The allelochemicals of *Alliaria petiolata* disrupt the legume-rhizobia mutualism. Biological Invasions 17(9): 2779-2791.

Schultheis, E.H., A.E. Berardi, and J.A. Lau (2015). No release for the wicked: enemy release is

- dynamic and not associated with invasiveness. *Ecology* 96(9): 2446-2457.
- terHorst, C.P., J.A. Lau, I.A. Cooper, K.R. Keller, R.J. La Rosa, A.M. Royer, **E.H. Schultheis**, T. Suwa, and J.K. Conner (2015). Quantifying nonadditive selection caused by indirect ecological effects. *Ecology* 96(9): 2360-2369.
- Lau, J.A. and **E.H. Schultheis** (2015). When two invasion hypotheses are better than one. *New Phytologist* 205(3): 958-960.
- Schultheis, E.H.** and M.K. Kjelvik (2015). Data Nuggets: bringing real data into the classroom to unearth students' quantitative and inquiry skills. *The American Biology Teacher* 77(1): 19-29.
- Royer, A.M. and **E.H. Schultheis** (2014). Evolving better cars: teaching evolution by natural selection with a digital inquiry activity. *The American Biology Teacher* 76(4): 259-264.
- Schultheis, E.H.**, K.N. Hopfensperger, and J.C. Brenner* (2010). Potential impacts of climate change on *Sphagnum* bogs of the southern Appalachian Mountains. *Natural Areas Journal* 30(4): 417-424.

Published Data and Code

- Schultheis, E.H.**, A.E. Berardi, and J.A. Lau (2015). Data from: No release for the wicked: enemy release is dynamic and not associated with invasiveness. Dryad Digital Repository. doi:10.5061/dryad.s1d18

Fellowships and Awards

- | | |
|-----------|---|
| 2015 | Tracy Hammer Graduate Student Award for Professional Development, College of Natural Science, Michigan State University (MSU) |
| 2015 | Dr. Marvin Hensley Endowed Fellowship in Science, College of Natural Science, MSU |
| 2015 | Dissertation Continuation Fellowship, College of Natural Science, MSU |
| 2015 | LTER Summer Research Fellowship, Kellogg Biological Station, KBS |
| 2013 | Fields Teaching Award, Department of Plant Biology, MSU |
| 2012-2015 | BEACON Center for the Study of Evolution in Action Fellowships, NSF |
| 2012-2014 | Summer Fellowships, EEBB Program, MSU |
| 2012 | Dr. Marvin Hensley Endowed Fellowship in Science, College of Natural Science, MSU |
| 2010-2013 | GK-12 Graduate Teaching Fellowships, NSF |
| 2009 | G.H. Lauff Research Scholar, KBS |
| 2008-2010 | Plant Sciences Fellowship, College of Natural Science, MSU |
| 2008 | Summer Graduate Fellowship, KBS |
| 2008 | Summer Support Graduate School Fellowship, MSU |

Presentations

*undergraduate co-author, †K-12 teacher co-author

Science Education

- Schultheis, E.H., M.K. Kjelvik, L. Mead, R. Cox and A. Reedy (2017) *Data Nugget Workshop: Is it dangerous to be a showoff?* NABT BEACON Evolution Symposium (talk)
- Schultheis, E.H., A. Monfils, W. Gram, and B. Goodner (2017) *Keynote Panel*, ESA Life Discovery (invited panelist) <http://www.esa.org/ldc/2017program/keynotes/>
- Schultheis, E.H. and M.K. Kjelvik (2017) *Increase your broader impacts and student quantitative reasoning with Data Nuggets*. ESA Annual Meeting (poster)
- Mead, L., E.H. Schultheis, M.K. Kjelvik, M. Stuhlsatz and A. Warwick (2017) *Using authentic scientific data to improve quantitative reasoning in ecology and evolutionary biology*. ESA Annual Meeting (talk)
- Kjelvik, M.K., E.H. Schultheis, and L. Mead (2017) *Data Nuggets: Bringing authentic research and data in the classroom to unearth students' quantitative and inquiry skills*. Making Meaning through Modeling: Problem Solving in Biology. National Academies/QUBES/BioQuest Summer Institute on Quantitative Biology (talk)
- Kjelvik, M.K., C. Hach†, M. Angle†, and E.H. Schultheis (2017) *Data Nuggets: Scaffolding claim-evidence-reasoning using real data in context*. Michigan Science Teacher Association (MSTA) Annual Meeting (talk)
- Schultheis, E.H. and M.K. Kjelvik (2017) *Data Nuggets: Bringing authentic research and data into the classroom to unearth students' quantitative and inquiry skills*. QUBES Faculty Mentoring Network (invited talk)
- Schultheis, E.H., M.K. Kjelvik, A. Warwick, L. Mead, and B. Fuller (2016) *Data Nugget Workshop: Why so blue? The determinants of color pattern in killifish*. NABT BEACON Evolution Symposium (talk)
- Kjelvik, M.K., A. Warwick, and E.H. Schultheis (2016) *Data Nuggets: Increase your broader impacts while*

- improving science education*. Physics Education Research Seminar (invited talk)
- Kjelvik, M.K., E.H. Schultheis, A. Warwick, L. Mead, M. Stuhlsatz, C. Wilson, and A. Mohan (2016) *Scientific Data in Schools: Measuring the efficacy of an innovative approach to integrating quantitative reasoning in secondary science*. BEACON Congress (poster)
- de Lima, J., M. Kjelvik, E.H. Schultheis, L. Mead, and T. Long (2016) *Adapting Data Nuggets for College Introductory Biology Courses*. Society for the Advancement of Biology Education Research (SABER) National Meeting (poster)
- Schultheis, E.H. and M. Kjelvik (2016) *Data Nuggets: Bringing authentic research and data in the classroom to unearth students' quantitative and inquiry skills*. Lowering the Barrier: Making Quantitative Biology More Accessible. National Academies/QUBES/BioQuest Summer Institute on Quantitative Biology (talk)
- Mead, L., E.H. Schultheis, M.K. Kjelvik, A. Warwick, M. Stuhlsatz, C. Wilson, and A. Mohan (2016) *Scientific Data in Schools: Measuring the efficacy of an innovative approach to integrating quantitative reasoning in secondary science*. NSF DRK-12 PI Meeting (poster)
- Rowe, M., A. Rowe, and E.H. Schultheis (2015) *Data Nugget Workshop: A Tail of Two Scorpions*. National Association of Biology Teachers (NABT), BEACON Evolution Symposium (talk)
- Kjelvik, M. and E.H. Schultheis (2015) *Data Nuggets: An Avenue for Broader Impacts and Increasing K-16 Student Quantitative Literacy*. LTER All Scientists Meeting (poster)
- Schultheis, E.H., M. Kjelvik, and M. Spivey (2015) *Increase your broader impacts with Data Nuggets!* LTER All Scientists Meeting (talk)
- Schultheis, E.H. (2015). *Bringing real scientific data into the classroom to unearth students' quantitative and inquiry abilities*. STEM Education Group, University of Colorado, Denver (invited talk)
- Schultheis, E.H. and A. Royer (2014). *Evolving better cars: teaching evolution by natural selection using BoxCar2D*. Ecological Society of America Life Discovery Conference – Doing Science Education, San José, CA (talk)
- Kjelvik, M. and E.H. Schultheis (2014). *Data Nuggets: Addressing NGSS using data from contemporary research*. Michigan Science Teachers Association 61st Annual Conference, Pure Michigan Science – Bridges to the Next Generation, Lansing, MI (talk)
- Schultheis, E.H. and M. Kjelvik (2013). *Data Nuggets: Unearthing quantitative and inquiry skills by bringing current evolutionary research into the classroom*. NSF offsite visit for BEACON, Michigan State University (poster)
- Schultheis, E.H. and M. Kjelvik (2013). *Data Nuggets: unearthing quantitative and inquiry skills*. National Association of Biology Teachers Professional Development Conference, Atlanta, GA (talk)
- Kjelvik, M., E.H. Schultheis, and L. Mead (2013). *LadyBug: using an evolutionary game to capture young students' enthusiasm for evolution-in-action*. National Association of Biology Teachers Professional Development Conference, Atlanta, GA (talk)
- Schultheis, E.H. and M. Kjelvik (2013). *Data Nuggets: unearthing inquiry skills*. Ecological Society of America Life Discovery Conference – Doing Science, St. Paul, MN (talk)
- Williams[†], D., E.H. Schultheis, and J.A. Lau (2013). *Plant invaders: does escape from enemies lead to invasion?* Michigan Science Teachers Association 60th Annual Conference, Pure Michigan Science - the Next Generation, Ypsilanti, MI (talk)
- <http://kbsgk12project.kbs.msu.edu/blog/2013/03/13/gk-12-presents-at-msta/>
- Schultheis, E.H., A. Royer, and L. Mead (2012). *Darwin makes better cars: lessons evolving online vehicles*. NSF offsite visit for BEACON, Michigan State University (poster)
- Royer, A., E.H. Schultheis, and L. Mead (2012). *Darwin makes better cars: lessons evolving online vehicles*. National Association of Biology Teachers Professional Development Conference, Dallas, TX (talk)
- Hibbs, R., N. Ballew, A. Lackey, E.H. Schultheis, T. Suwa, M. Angle[†], and T. Getty (2012). *Building long-term research projects and collaborations*. Annual Conference Graduate STEM Fellows in K-12 Education (GK-12) Projects, Washington DC (talk)
- Hibbs, R., N. Ballew, A. Lackey, E.H. Schultheis, T. Suwa, and T. Getty (2012). *Kellogg Biological Station's GK-12 Schoolyard Research Network: bringing fellow expertise to classrooms and engaging Fellows, teachers, and K-12 students in sustainable inquiry activities in SW Michigan schools*. Annual Conference Graduate STEM Fellows in K-12 Education (GK-12) Projects, Washington DC (poster)

Biology and Ecology

- Zettemoyer, M.A., E.H. Schultheis and J.A. Lau (2017) Temperature-mediated shifts in phenology may contribute to invasive species' success. ESA Annual Meeting (talk)
- Schultheis, E.H. (2014). Release from enemies does not explain invasive species success. Kellogg Biological Station, Brownbag Seminar (talk)
- Schultheis, E.H. and J.A. Lau (2013). *Meta-analysis: Altered biotic interactions do not explain invasive species success*. ESA Annual Meeting (poster)
- Portales*, C., T. Van Doornik*, E.H. Schultheis, and T. Suwa (2013). *Allelopathic effects of Alliaria petiolata on rhizobia and its implications for native legume performance*. ESA Annual Meeting (poster)
- Schultheis, E.H. (2013). *Do altered biotic interactions drive invasion?* Kellogg Biological Station, Brownbag Seminar (talk)
- Schultheis, E.H. and J.A. Lau (2012). *Meta-analysis: Do altered biotic interactions drive invasion?* ESA Annual Meeting (talk)
- Van Doornik*, T., C. Portales*, E.H. Schultheis, and T. Suwa (2012). *Allelopathic effects of Alliaria petiolata on rhizobia and its implications for native legume performance*. Kellogg Biological Station Undergraduate Research Symposium, West Michigan Regional Undergrad Science Research Conference, and 68th Southwest Regional Meeting of the American Chemical Society (First place undergraduate award) (poster)
- Schultheis, E.H. (2012). *Does enemy release result in increased performance for invasive species compared to native and non-invasive exotic species?* 10th Annual Plant Science Graduate Student Research Symposium, Michigan State University (poster)
- Schultheis, E.H. (2011). *Invasive species more tolerant of natural enemies than native and non-invasive exotics*. Kellogg Biological Station, Brownbag Seminar (talk)
- Schultheis, E.H. (2011). *Enemy release or biotic resistance?* Kellogg Biological Station, Brownbag Seminar (talk)
- Schultheis, E.H. and J.A. Lau (2010). *The dynamic consequences of invasion: negative plant-soil feedbacks on natives increase over the time course of invasion*. ESA Annual Meeting (poster)
- Schultheis, E.H. (2010). *Plant invasions driving soil feedbacks: implications for native communities*. Kellogg Biological Station, Brownbag Seminar (talk)
- Schultheis, E.H. and J.A. Lau (2010). *Agricultural practices alter selection on weeds at the population and community level*. 8th Annual Plant Science Graduate Student Research Symposium, Michigan State University (poster)
- Schultheis, E.H. and J.A. Lau (2009). *Agricultural practices alter selection on weeds at the population and community level*. ESA Annual Meeting (poster)
- Schultheis, E.H. and J.A. Lau (2009). *Agricultural practices alter selection on weeds at the population and community level*. Midwest Ecology and Evolution Conference, Nebraska (poster)

Teaching Experience

- BEACON Center for the Study of Evolution in Action Data Nugget Fellow, NSF (2013-2015).
Introduction to Ecology (ZOL355), Michigan State University (2013). *Scientific communication using Data Nuggets* (invited lecturer)
- BEACON Center for the Study of Evolution in Action Fellow, NSF (2012-2014).
Stepping Stones Montessori School (April 2013). Presented Data Nuggets, and lead a lesson on data collection, visualization, and interpretation (invited lecturer)
- GK-12 Graduate Teaching Fellow, NSF (2010-2013). New GK-12: Using the STEM Dimensions of Bioenergy Sustainability to Bring Leading-edge Graduate Research to K-12 Learning Settings. I served as a classroom scientist in K-12 classes across SW Michigan.
(<http://kbsgk12project.kbs.msu.edu/?s=schultheis&searchsubmit=>)
- Teaching Assistant Seminar on College Teaching, Michigan State University (2008).

Curriculum Development

- Data Nuggets co-founder. I developed Data Nuggets (<http://datanuggets.org>) in collaboration with K-12 teachers and scientists at the Kellogg Biological Station. Data Nuggets are free, online resources. These activities bring contemporary science and authentic data into the classroom, guiding students through the process of science while building their quantitative abilities. Each Data Nugget is written collaboratively with the scientist whose data is featured. My work with Data Nuggets includes

curriculum development, running professional development workshops for teachers, running broader impact and science communication workshops for scientists, and designing and conducting science education research. We are currently conducting an efficacy study to determine if Data Nuggets increase student quantitative reasoning abilities, interest and motivation in science, and classroom engagement.

In addition to developing Data Nuggets with fellow scientists, I have also written Data Nuggets based on my scientific research and data:

- <http://datanuggets.org/2014/01/do-insects-prefer-local-or-foreign-foods/>
- <http://datanuggets.org/2014/01/do-invasive-species-escape-their-enemies/>
- <http://datanuggets.org/2015/03/springing-forward-does-climate-change-cause-plants-to-flower-earlier/>

GK-12 Curriculum Developer (2010-2013) Working with partner teachers I prepared and presented science lessons on a diversity of topics, including invasive species, community ecology, the process of science, climate change, and inquiry.

- <http://kbsgk12project.kbs.msu.edu/search-lesson-plans/> (search "Schultheis")

Workshops and Working Groups

Schultheis, E.H., K. Grayson, M.K. Kjølvik, K. Bonner, and A. Fleming-Davies (2017) *Best practices for using authentic research data to teach core concepts*, Workshop. ESA Life Discovery (workshop) https://qubeshub.org/groups/data_incubator/life_discovery_workshop

Kjølvik, M., E.H. Schultheis, A. Berkowitz, K. O'Connell, S. Bestelmeyer, N.B. Rodriguez, S. Norlin (2017) *Data Nuggets and Data Jams: Strategies to increase your broader impacts and student quantitative reasoning*, Workshop. ESA Annual Meeting

Data Nuggets: Increase your broader impacts while improving science education, Workshop (March 2017). Van Andel Research Institute researchers (graduate students and postdocs).

Data Nuggets: Increase your broader impacts while improving science education, Workshop (July 2015). Kellogg Biological Station LTER researchers (faculty, graduate students, RETs and REUs).

Expanding Data Nuggets: Development and assessment of an integrative resource to increase quantitative literacy, NIMBioS Working Group (2014-2015). Our goal is to strengthen Data Nuggets as an educational resource by (1) Identifying skills necessary for progression towards quantitative literacy and discuss the role of Data Nuggets in acquiring these skills, (2) Expanding resources for use in undergraduate classrooms, and (3) Formulate and conduct an assessment testing the efficacy of Data Nuggets as an educational tool (http://www.nimbios.org/workinggroups/WG_datanuggets).

Data Nuggets: Increase your broader impacts while improving science education, BEACON (2014-2015). Locations: University of Denver, University of Idaho, University of Washington, University of Texas, Kellogg Biological Station, and Michigan State University. These six workshops helped researchers (graduate students, post docs, faculty, REUs, and RETs) create Data Nuggets based on their own data. Data Nuggets are an avenue toward broader impacts as research will be shared with K-16 audiences and improve the understanding of science in society.

BEACON High School Summer Institutes, NSF (2012-2014). Over 90 high school students, most from underrepresented groups, attended these three, weeklong institutes to learn about connections between evolution, computer models, and engineering. Students completed independent inquiry projects and presented them to their peers and the KBS community. I helped organize the event, presented lectures, and mentored students during independent research projects.

Schultheis, E.H., A. MacRae-Crerar, and J.K. Abraham (2013). *Broadening Ecologists' Impact on the Nation Through NSF Grants*. ESA Annual Meeting (workshop)

Abraham, J.K., A. MacRae-Crerar, and E.H. Schultheis (2013). *Modeling Successful Broader Impacts Programs in Ecology*. ESA Annual Meeting (Ignite talks)

Teacher Professional Development

Explore Authentic Data with Data Nuggets: An LDC-QUBES Faculty Mentoring Network (Fall 2017) Lead FMN for teachers and faculty who implemented two Data Nuggets in their AP biology, introductory biology, or ecology courses. Ran weekly meetings and coordinated outside speakers. <https://qubeshub.org/groups/ldcfmn>

Scientific Data in Schools: Measuring the efficacy of an innovative approach to integrating quantitative reasoning in secondary science (July 2017) Ran two two-day teacher professional development workshops for CA, CO, IL, and MI high school biology teachers participating in our DRK-12 efficacy

study. Covered topics such as quantitative reasoning in the context of science, the process of science, asking strong questions and developing hypotheses, and constructing explanations.

NY Master Teacher Professional Development Workshop. Data Nuggets: Bringing authentic research and data into the classroom to unearth students' quantitative and inquiry skills (August 2016) Ran a full-day teacher professional development workshop for teachers in the Albany, NY area and members of the NY Master Teacher program. Covered topics such as quantitative reasoning in the context of science, the importance of hypotheses, constructing strong explanations, and the process of science. <http://datanuggets.org/2016/08/nymasterteacherpd2016/>

Improve your student's quantitative skills by bringing real scientific data into the classroom, BEACON (March 2014). Teacher workshop with the Seattle Aquarium and University of Washington.

Unleash Your Inner Scientist: BEACON/BioQuest Workshop for High School Teachers, NSF (2013). Teachers from across the country attended a weeklong institute to learn about bringing inquiry into their classrooms to address the Next Generation Science Standards. I helped organize the event, presented lectures, and guided teachers when conducting inquiry and developing curricula. <http://beacon-center.org/teacherworkshop/>

GK-12 Teacher Workshops (2010-2013). Developed and lead sessions providing teachers with inquiry lesson plans, which they can take back to their classrooms.

GK-12 Summer Institutes (2010-2011). Shared my dissertation research with teachers across Michigan. Provided model of inquiry projects that could be done in the classroom.

Mentoring

- 2017 May Lee, *Michigan State University*, Data Nugget Research Associate
 Marcia Angle, *retired teacher*, LTER Digital Data Nuggets Teacher Fellow
- 2016 Cheryl Hach, *Kalamazoo Area Math and Science Center*, Data Nugget Teacher Fellow
 Ellie Hodges, *DeWitt Junior High School*, Data Nugget Teacher Fellow
 Kristy Campbell, *Fairview High School*, Data Nugget Teacher Fellow
 Marcia Angle, *Lawton Middle School*, Data Nugget Teacher Fellow
- 2015 Joelyn De Lima, *Michigan State University*, Data Nugget graduate researcher
- 2013 Cristy Portales Reyes *University of Texas at Austin*, NSF REU
 Daniel MacGuigan *University of Rochester*, NSF REU
 Gabriel Stewart *Michigan State University*, Undergraduate Research Apprentice
 Marquita Tillotson *Michigan State University*, Undergraduate Research Apprentice
 Dave Cronkright *University of Washington*, undergraduate volunteer
 Mark Herman *Kellogg Community College*, undergraduate volunteer
- 2012 Tina Van Doornik *Michigan State University*, Undergraduate Research Apprentice
 David Williams *Lawton High School*, NSF Research Experiences for Teachers
 Jacob Sharp *Harper Creek High School*, high school volunteer
 Sean Mooney *Grand Rapids Catholic Central High School*, Intel Science Talent Search
- 2011 Cameron Monroe *Plainwell High School*, high school volunteer
 Megan McKenzie *NSF Research Assistantships for High School Students* (<http://tinyurl.com/ka48w5t>)
 Nicole Ross *Michigan State University*, Research Apprentice
- 2010 Jeremy Jubenville *Western Michigan University*, NSF REU

Outreach

I have written about my work with Data Nuggets for features on several blogs:

- <https://www3.beacon-center.org/blog/2018/01/11/living-laboratories-using-islands-to-track-natural-selection-in-wild-lizards/>
- <http://lter.kbs.msu.edu/2016/04/lter-data-nuggets-breathing-new-life-long-term-data/>
- <https://www3.beacon-center.org/blog/2016/09/18/collaborations-with-k-12-teachers-first-inspired-data-nuggets-and-continue-to-today/>
- <http://www.molecularecologist.com/2014/12/increase-your-broader-impacts-with-data-nuggets/>
- <http://lter.kbs.msu.edu/2013/06/data-nuggets-small-activities-with-big-impacts-for-students/>
- <http://beacon-center.org/blog/2013/05/06/beacon-researchers-at-work-addressing-the-next-generation-science-standards/>

Interviewed about our NSF DRK-12 grant, and my research studying the efficacy of Data Nuggets.

- <http://msutoday.msu.edu/news/2015/data-nuggets-are-golden-msu-awarded-1-million-grant-to-study-science-education-project/>

Volunteer, Denver Botanic Gardens (2014). Lead student groups visiting the gardens for special events.

Co-creator, contributor, and editor of the blog "Big Science, Little Summaries". Keeping up with the scientific literature is difficult, so my lab began this blog as a way to share summaries of exciting research with fellow scientists.

- <http://bigsciencelittlesummaries.com/author/lschultheis/>

Dissertation research featured in W.K. Kellogg's Station-to-Station Newsletter:

- <http://hosted-p0.vresp.com/1112643/18cc20206d/ARCHIVE> (April 2013).
- http://www.kbs.msu.edu/images/stories/docs/E_Station_to_Station_August.pdf (August 2010).

Kellogg Biological Station GK-12 Project Bi-Annual Newsletter. Shared my research and teaching experience with teachers and families across southwest Michigan.

- <http://kbsgk12project.kbs.msu.edu/newsletters/>

Elementary School Science Nights, Marble Elementary (November 2012) and Murphy Elementary (February 2013). Demonstrated a hands-on activity where students could observe evolution in action using the online program BoxCar2D.

Ag Awareness Day, Barry County, MI (May 2011). Lead a lesson on invasive species. Event hosted 577 third-grade students from five area schools and 115 teachers and chaperones, addressing issues such as conservation and sustainable agriculture.

- <http://kbsgk12project.kbs.msu.edu/blog/2012/03/19/invasive-species-game/>

Interviewed for *VSI: Variation Selection Inheritance*, a podcast production of the National Science Foundation's BEACON Center for the Study of Evolution in Action.

- <http://variationselectioninheritance.podbean.com/2012/01/23/episode-30-three-scientistseducators/>

Land Management Intern, Nature Center at Shaker Lakes, Cleveland, OH (2007).

- Developed a woodland wild flower garden for visitors and K-12 class projects.
- Worked to identify and eradicate invasive species from landholdings.
- Directed volunteers in service projects. Volunteers included minority students from urban Cleveland schools and the surrounding community, including individuals with physical and mental challenges.

Institution and Committee Service

Ecological Society of America Committee for Diversity and Education, Graduate Student Representative (2012-2013), committee member (2012-2016)

Sustainability Team, member, KBS, MSU (2011-2014). Wrote and received \$5,000 grant from Michigan State University *Be Spartan Green Sustainability Fund* to construct a bike shelter and create maps of bike routes around the Kellogg Biological Station. Construction completed Fall of 2013.

Academic Program Planning Committee, Graduate Student Representative, KBS, MSU (2012-2013)

Academic Personnel Committee, Graduate Student Representative, KBS, MSU (2011-2012)

Plant Biology Graduate Student Organization, MSU. President (2009-2010), committee member (2008-2011)

Science Olympiad, MSU (2010, 2011)

Scientific Journals Reviewed For

The American Biology Teacher, American Journal of Botany, Basic and Applied Ecology, Biological Invasions, CBE Life Sciences Education, International Journal of Plant Sciences, Oecologia, Physical Geography

Professional Affiliations

2016	Visiting Scholar, Denver Botanic Garden Research Group
2014-2016	Visiting Scholar, University of Denver Organismal Biologist Group
2013-present	Michigan Science Teachers Association
2012-present	National Association of Biology Teachers
2011-present	BEACON Center for the Study of Evolution in Action, National Science Foundation
2009-present	The Ecological Society of America
2009-2011	Sigma Xi, Michigan State University Chapter
Inducted 2007	Tri Beta, Biology Honor Society
Inducted 2004	Phi Eta Sigma, Freshman National Academic Honor Society

Village of Spring Lake
February 2018 Budget Adjustments

	Fund	Dept.	Account	Current	Proposed	Change
101-172.000-705.000	General Fund	Village Manager	Retirement Expense	7,492	11,441	3,949
101-215.000-705.000	General Fund	Clerk/Treasurer	Retirement Expense	4,594	8,108	3,514
101-265.000-705.000	General Fund	Village Hall	Retirement Expense	1,502	2,425	923
101-270.000-705.000	General Fund	Barber School	Retirement Expense	1,572	2,759	1,187
101-381.000-705.000	General Fund	Planning/Zoning	Retirement Expense	4,709	7,847	3,138
101-441.000-705.000	General Fund	DPW	Retirement Expense	9,300	14,026	4,726
101-551.000-705.000	General Fund	Tanglefoot Park	Retirement Expense	1,101	1,814	713
101-553.000-705.000	General Fund	Central Park	Retirement Expense	1,994	3,365	1,371
101-555.000-705.000	General Fund	Mill Point Park	Retirement Expense	1,790	3,161	1,371
101-557.000-705.000	General Fund	Lakeside Beach	Retirement Expense	992	1,678	686
101-692.000-705.000	General Fund	Parks Maintenance	Retirement Expense	1,002	1,688	686
202-000.000-695.000	Major Streets	Construction	Paving	60,000	56,361	(3,639)
202-463.000-705.000	Major Streets	Routine Maintenance	Retirement Expense	1,734	3,053	1,319
202-478.000-705.000	Major Streets	Winter Maintenance	Retirement Expense	1,734	3,053	1,319
202-480.000-705.000	Major Streets	M-104 Maintenance	Retirement Expense	1,272	2,273	1,001
203-000.000-695.000	Local Streets	Revenue	Apropriation from Fund Balance	0	2,953	2,953
203-463.000-705.000	Local Streets	Routine Maintenance	Retirement Expense	1,788	3,212	1,424
203-478.000-705.000	Local Streets	Winter Maintenance	Retirement Expense	2,003	3,532	1,529
249-000.000-695.000	Building Fund	Revenue	Apropriation from Fund Balance	1,940	5,506	3,566
249-381.000-705.000	Building Fund	Planning/Zoning	Retirement Expense	3,604	7,170	3,566
590-000.000-695.000	Sewer Fund	Revenue	Apropriation from Fund Balance	-	8,552	8,552
590-000.000-705.000	Sewer Fund	Sewer	Retirement Expense	11,000	19,552	8,552
591-000.000-695.000	Water Fund	Revenue	Apropriation from Fund Balance	-	8,394	8,394
591-000.000-705.000	Water Fund	Water	Retirement Expense	11,000	19,394	8,394
661-000.000-695.000	Equipment Fund	Revenue	Apropriation from Fund Balance	-	633	633
661-000.000-705.000	Equipment Fund	Equipment	Retirement Expense	1,400	2,033	633
Adjust Retirement Expense budgets for \$50,000 supplemental MERS payment				Net Change		0
101-381.000-801.381	General Fund	Zoning/Planning	Zoning Contract	15,000	16,500	1,500
101-381.000-804.000	General Fund	Zoning/Planning	Legal Fees	5,000	3,500	(1,500)
Adjust Zoning /Planning Department budget for higher than budgeted Zoning contract costs.				Net Change		0
208-000.000-451.200	Public Improvement	Revenue	Cell Tower Revenue	0	50,000	50,000
208-000.000-801.000	Public Improvement	Public Improvement	Professional Services	-	16,048	16,048
208-000.000-975.000	Public Improvement	Public Improvement	Apropriation to Fund Balance	-	33,952	33,952
Adjust Public Improvement Budget for American Tower Extension Payment and Negotiator Fees				Net Change		0
661-000.000-740.000	Equipment Fund	Equipment	Operating Supplies	20,000	8,000	(12,000)
661-000.000-740.001	Equipment Fund	Equipment	Gas and Oil	-	12,000	12,000
Adjust current year Equipment Budget for new line item to track fuel expenses.				Net Change		0
236-000.000-702.000	DDA Fund	DDA	Full Time Wages	16,250	20,250	4,000
236-000.000-702.001	DDA Fund	DDA	Overtime Wages	2,200	6,000	3,800
236-000.000-740.000	DDA Fund	DDA	Operating Supplies	2,000	3,500	1,500
236-000.000-978.000	DDA Fund	DDA	Paving	144,572	135,272	(9,300)
Adjust DDA Budget for higher than expected snow removal costs.				Net Change		0



Village of Spring Lake



JAN 23 2018

Received

P.O. Box 770001
Cincinnati, OH 45277-0053

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BFBZNFBBBCTNF
MARV HINGA, CLERK
VILLAGE OF SPRING LAKE
102 W SAVIDGE ST
SPRING LAKE, MI 49456-3401



January 16, 2018

Dear Colleague:

Enclosed is a check in the amount of \$400.00. This Fidelity Charitable grant is made possible through the generosity and recommendation of a Fidelity Charitable donor who wishes to remain anonymous.

Designation: 2018 ADOPT A GARDEN PROGRAM

Grant Terms: No goods, services or more than incidental benefits may be provided in exchange for this grant. This grant may not satisfy a legally enforceable obligation/pledge. This grant may only support purposes deemed by you to be 100% tax deductible.

Please do not issue an acknowledgement or a tax receipt to Fidelity Charitable for this grant.

Fidelity Charitable is a public charity with a donor-advised fund program. Donors make irrevocable and tax-deductible contributions to Fidelity Charitable, which are owned and controlled by Fidelity Charitable in a segregated account known as a "donor-advised fund." Our donors exercise the privilege of, among other things, recommending grants to qualified public charities.

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Page 1 of 2

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VERIFY THE AUTHENTICITY OF THIS MULTI-TONE SECURITY DOCUMENT.

CHECK BACKGROUND AREA CHANGES COLOR GRADUALLY FROM TOP TO BOTTOM.



P.O. Box 770001
Cincinnati, OH 45277-0053
800-952-4438

PAYABLE AT: THE BANK OF NEW YORK MELLON
EVERETT, MA 02149
53-292/113

7091997

January 16, 2018

PAY TO THE ORDER OF
VILLAGE OF SPRING LAKE

\$400.00

*****Four Hundred & 0/100 DOLLARS

VOID AFTER 60 DAYS

7091997 01302920 004936

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STATE OF MICHIGAN
DEPARTMENT OF TREASURY
LANSING

RICK SNYDER
GOVERNOR

NICK A. KHOURI
STATE TREASURER

February 1, 2018

Christine M. Burns
Village Manager
Village of Spring Lake
102 W. Savidge
Spring Lake, MI 49456

Dear Ms. Burns:

Re: **Grant No. 103036-14**
Grant Period – CGAP Grant FY 2014 (Round 2)

The Michigan Department of Treasury (Treasury) – Revenue Sharing and Grants Division is sending a courtesy reminder to all FY 2014 Competitive Grant Assistance Program (CGAP) grantees regarding the grant period ending on September 30, 2018, as indicated in the Final Award letter.

To ensure that all grant reimbursements can be finalized and fully reimbursed by Treasury prior to the end of the grant period (September 30, 2018), we are requesting all FY 2014 CGAP grantees submit final reimbursement requests no later than August 1, 2018.

Please be advised that all unexpended funds remaining at the end of the grant period cannot be carried forward beyond the grant period. Any remaining funds will lapse to the State of Michigan's General Fund. For this reason, it is critical that the Village of Spring Lake ensures the submission of all grant reimbursement requests to Treasury no later than August 1, 2018.

We appreciate your interest in the CGAP. We ask that you inform all participating local units of the upcoming ending grant period. If you have any questions regarding this letter, please call (517) 373-2697.

Sincerely,

A handwritten signature in black ink that reads "Evah Cole".

Evah Cole, Division Administrator
Revenue Sharing and Grants Division

c: Marv Hinga, Clerk/Treasurer



102 W. SAVIDGE ST. • SPRING LAKE, MI 49456

PHONE: 616-842-1393 • FAX: 616-847-1393

www.springlakevillage.org

January 15, 2018

Mrs. Patricia Baldus
17245 Benjamin Ave
Spring Lake, MI 49456

Re: 619 Fall

Dear Mrs. Baldus

It was recently brought to our attention that your tenant is shoveling snow onto public street. Could you please notify your tenant that this activity is prohibited by state law and/or local ordinance? Continued violations of the law may result in a ticket being issued. Regrettably, that ticket would be issued to the property owner in violation.

I have attached copies of the law as it pertains to snow removal. Should you have any questions regarding either attachment, please do not hesitate to contact me at 616-842-1393.

Thank you in advance for your cooperation in this matter.

Fondly,

Maryann Fonkert
Deputy Clerk

cc: Christine Burns, Village Manager



Spring Lake District Library Calendar of Events February 2018



Sun	Mon	Tue	Wed	Thu	Fri	Sat
<p>Questions about library services or programs?</p> <p>Call 616.846.5770 or visit sllib.org</p>	 <p>Sign up at Youth Services</p>	<p><i>Blizzard of Books</i> Reading Club continues . . .</p> <p>read books & earn prizes!</p> <p>Sponsored by SLDL Friends</p>	<p>What do you love about your library? ♥</p>  <p>♥ Let us know! Facebook.com/ SpringLakeDistrictLibrary ♥</p>	<p>1 10:30 am Preschool Storytime: <i>Mail for Me</i></p> <p>7 pm 10 Things to Know about Beekeeping</p>	<p>2 10:30 am Preschool Storytime: <i>Mail for Me</i></p>	<p>3</p>  <p>Instantly borrow movies, music, eBooks and more!</p>
<p>4 Sunday hours 2-5 pm</p>	<p>5</p>	<p>6 9:45 am Little Movers Storytime</p> <p>10:45 am Baby Bounce Storytime</p> <p>2 pm Valentine ♥ Workshop for Kids</p>	<p>7 4-5 pm LEGO Block Party</p>	<p>8 10:30 am Preschool Storytime: <i>Lots of Love</i></p> <p>4-5 pm Full STEAM Ahead: Button Making</p>	<p>9 10:30 am Preschool Storytime: <i>Lots of Love</i></p>	<p>10</p>  <p>Available 24/7 at sllib.org</p>
<p>11 Sunday hours 2-5 pm</p>	<p>12 6:30 pm Cut the Cable TV Cord: Alternatives to Cable</p>	<p>13 9:45 am Little Movers Storytime</p> <p>10:45 am Baby Bounce Storytime</p> <p>7 pm Heart Healthy Foods</p>	<p>14 9:30 am or 10:45 am OASD Play 'n Learn ages 0-5</p>	<p>15 10:30 am Preschool Storytime: <i>Monster Mash</i></p> <p>4-5 pm SLDL Friends Book Club</p> <p>7 pm Cybersecurity: Tips from MI State Police</p>	<p>16 9:30-10:30 am 89th District Rep. Jim Lilly</p> <p>10:30 am Preschool Storytime: <i>Monster Mash</i></p>	<p>17</p>  <p>Fast, easy, fun way to learn a language</p>
<p>18 Sunday hours 2-5 pm</p>	 <p>Follow us on Twitter Twitter.com/sldlibrary</p>	<p>20 9:45 am Little Movers Storytime</p> <p>10:45 am Baby Bounce Storytime</p> <p>7 pm Malcolm X: The Man and His Times</p>	<p>21 9:30 am OASD Play 'n Learn, 0-24 months</p> <p>3:30-5 pm Teen 'Scape ages 10-18</p> <p>7 pm Community Conversations</p>	<p>22 10:30 am Preschool Storytime: <i>Yeehaw!</i></p> <p>4 pm Teen Book Hedgehog Craft</p>	<p>23 10:30 am Preschool Storytime: <i>Yeehaw!</i></p>	<p>24</p> <p>The Great Michigan Read X: A Novel is available in a Book Club in a Bag</p>
<p>25 Sunday hours 2-5 pm</p> <p>3-4 pm Music by the Fireplace: The Moxie Strings</p> 	<p>26 10 am Hands-On Stories: <i>The Snowy Day</i> for ages 0-5</p>	<p>27 9:45 am Little Movers Storytime</p> <p>10:45 am Baby Bounce Storytime</p> <p>6-8 pm Social Media Marketing: pre-registration required</p>	<p>28 4-5 pm Great Michigan Read Book X: A Novel Discuss the book, eat pizza!</p>		<p><i>The Great Michigan Read is presented by the Michigan Humanities Council with support from Meijer and the National Endowment for the Humanities</i></p>	 <p>Michigan Humanities Council <i>our stories, our lives</i></p>

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Christine Burns

From: Christine Burns
Sent: Monday, February 5, 2018 4:23 PM
To: 'Jeff Rollins'
Subject: RE: Sidewalk plowing

Hi Jeff,

Thank you for your suggestion. For every one we receive like yours, we receive one from folks who tell us NOT to set the blower down to the concrete because it tears up their grass and irrigation heads and then they have a mess to clean up in the spring. Our goal is to remove the bulk of the snow so it's safe for people to walk on the sidewalks (instead of the street) and to help the homeowner out. I agree that it's not a perfect system, but it's the best we can offer with the equipment we have available.

Happy Monday!

Chris

Christine Burns
Spring Lake Village Manager
102 W. Savidge
Spring Lake, MI 49456
P: 616.842.1393
F: 616.847.1393



From: Jeff Rollins [mailto:teamrol@aol.com]
Sent: Monday, February 5, 2018 4:18 PM
To: Christine Burns <christine@springlakevillage.org>
Subject: Sidewalk plowing

I/we do appreciate the village using the snowblower to do all the sidewalks, but sure wish it could be set to work down to the pavement instead of leaving a couple inches of snow behind!

Thanks!

Jeff Rollins
teamrol@aol.com

Reduce and Report Pollution Entering the Grand River

When it rains, water that isn't soaked into the ground flows across the land, eventually making its way into our local waterways. This water is called 'stormwater.' The area that water flows over on its way to a river or stream is called a watershed, and we live in the Lower Grand River Watershed. As stormwater passes over hard surfaces like streets and parking lots, it can pick up pollutants such as oil and grease from parking lots and roadways, excess fertilizer from lawns, pet waste, and eroded soil. Locally, this stormwater is not treated but is discharged directly to the Grand River and its tributaries through storm sewer systems and drainage ditches. Dumping anything into storm drains, including yard waste, is illegal and pollutes our waterways! If you see something being dumped into a storm drain that doesn't belong, please contact your local community to anonymously report it. Reporting information can be found at www.lgrow.org/report.

Here are a few ways YOU can reduce stormwater pollution entering the storm sewer system and waterways in your community. For more information check out: www.lgrow.org/stormwater.

- Properly dispose of any pet waste in a closed trash receptacle. Pet waste is raw sewage and contains harmful bacteria, easily transported through stormwater.
- Be conscious in closing lids on dumpsters and outdoor trash cans.
- Keep storm drains near your home clear of litter by disposing of trash and recyclables in proper containers.
- Collect yard waste to prevent grass clippings and leaves from clogging the storm sewer system.
- Avoid fertilizing your lawn before a storm, use per the manufacturer's recommendations, and sweep up excess fertilizer on hard surfaces like sidewalks, driveways, and roadways.
- Ensure that soiled water and other wastes from car washing practices do not enter the storm sewer system by washing your car on grass or gravel, rather than your driveway. Better yet, take your vehicles to a commercial car wash that sends wash water to the sanitary sewer.
- Reduce stormwater runoff by planting rain gardens and using rain barrels in your gardens to prevent water from leaving your property.
- Be Septic Smart! Maintain your septic system to protect your family's drinking water and reduce the risk of contaminating local water.

REPORT ILLICIT DISCHARGES



Report ANY dumping into storm drains, streams or other water bodies.

Visit www.LGROW.org/report for community specific phone numbers.



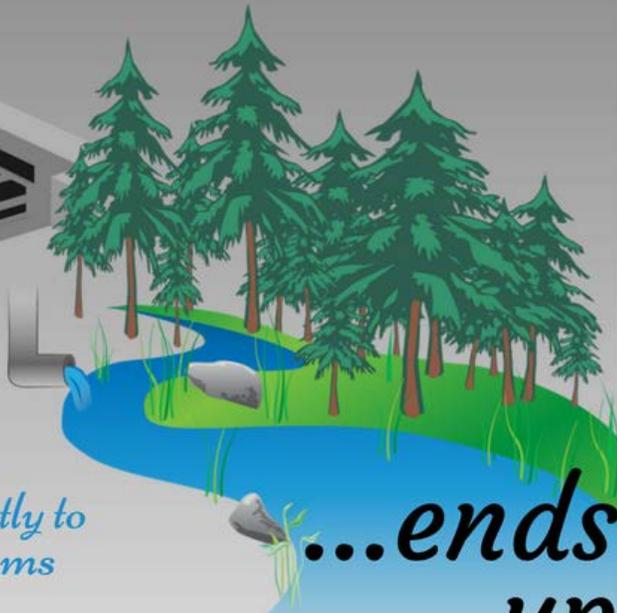
*Please,
Only Rain in the Drain!*

*What
goes
down
here...*

*Dump no waste!
Storm drains lead directly to
rivers, lakes, and streams*



www.LGROW.org/stormwater



*...ends
up
here*

MS4 UPDATE

Information for MS4 Permittees in the Lower Grand River Watershed



Snowmelt carrying nonpoint source pollution (salt) to storm drain with direct connection to the Grand River

Winter is still here! Attached to this electronic newsletter, you will find an informational brochure about ways to prevent pollution during the winter. There is also a newsletter article that highlights LGROW's illicit discharge reporting website.

Please post and/or distribute to your employees and community as you see fit.

MS4 PERMIT MEETING

A full MS4 meeting will be held on Wednesday, March 14, 2018, from 1:30-3:30pm, at the City of Walker's Commission Chambers located at: 4243 Remembrance Rd NW, Walker, MI 49534.

GVMC will give updates to the permit application process and review new stormwater standards that your community will be responsible for implementing once the ordinance is adopted. This is an important meeting to have all municipal employees and elected officials attend in order to review and understand the new permit requirements before they go to MDEQ's permit section and your new permit is issued. Please make every effort to attend and invite engineers, planners, supervisors, and other employees from your community who will have responsibility in implementing these new standards.

2017 PUBLIC EDUCATION PLAN FOCUS GROUP

A focus group was held on December 18, 2017 at GVMC with the purpose to determine changes in the awareness, education, and behavior of the public as a result of stormwater education efforts since 2009. This focus group ended up being a very educational experience for its participants, while providing valuable feedback on LGROW outreach activities. The mixed demographic of participants and the number of MS4 communities participating provided a fairly diverse view of LGROW's reach into the watershed, and participants shared many ideas to improve LGROW messaging. We plan on using recommendations from this focus group to update the MS4 Public Education Plan, and provide more effective stormwater messaging throughout the watershed. The complete report can be found at: www.lgrow.org/ms4information

2016 & 2017 PROGRESS REPORTS

All MS4 Progress Reports that were submitted last October have been reviewed, approved, and changed to 'Acknowledged' status in MiWaters by MDEQ. Please keep track of the trainings that you and your DPW staff complete during this reporting period.

2018 PUBLIC EDUCATION

This year, we will address two different messages from the Public Education Plan (PEP):

- 1) Ultimate Stormwater Discharge Location and Potential Impacts:
Education on the location of residential stormwater catch basins, where the system discharges to, and impacts from pollutants.
- 2) Public Reporting of Illicit Discharges:
Encourage public reporting of the presence of illicit discharges or improper disposal into the storm sewer system.

UPCOMING COMMITTEE MEETINGS

Public Engagement Committee

February 14, 2018, 3:00 pm-4:00 pm

Sustainability Committee

April 2, 2018, 1:30 pm - 2:30 pm

Technical Committee

April 18, 2018, 1:00 pm - 2:30 pm

Committee meetings are held at the offices of GVMC.



Save the Date!

Lower Grand River Organization of Watersheds
15th Annual Spring Forum
Cascade Township Library
May 11, 2018
8AM - 12PM
Kayak Trip to Follow

LGROW
www.LGROW.org

STORMWATER TRAINING OPPORTUNITIES

DEQ Construction Stormwater Operator

Information: http://www.michigan.gov/deq/0,4561,7-135-3311_4113-365584--,00.html

Training Dates:

http://www.michigan.gov/documents/deq/wrd-storm-sesc-InspectorExam-2018_606721_7.pdf

ON THE HORIZON

This summer, many Lower Grand River MS4's will need to complete dry-weather screening of their outfalls. The last time outfall sampling occurred was in 2013 and 2014. GVMC will hire interns to complete IDEP testing. In Spring 2018, GVMC will give IDEP training and provide the materials needed to complete testing. In the coming months, please be thinking about any new outfalls, updates that need to be made to maps, problem or high-priority sites, and the amount of time it will take field personnel to complete your testing. More information will become available as testing time gets closer.

MS4 COMMUNITIES

If you have any stormwater information or events coming up in your community that you would like to share with other MS4s in the area, please let us know so we can get the word out! (Send an email to cara.decker@gvmc.org)

REPORT ILLICIT DISCHARGES



Report ANY dumping into storm drains, streams or other water bodies.

Visit www.LGROW.org/report

*Please,
Only Rain in
the Drain!*

LOWER GRAND RIVER
ORGANIZATION of WATERSHEDS



GVMC

DRAFT MINUTES

**Monday January 15, 2018
7:00 P.M., Barber School
102 West Exchange Street
Spring Lake, Michigan**

1. Call to Order

President **Powers** called the meeting to order at 7:00 p.m.

2. Pledge of Allegiance

3. Roll Call

Present: Doss, Duer, Hanks, Miller, Powers, TePastte, Van Strate.

Absent: None

4. Approval of the Agenda

Motion by **Doss**, second from **Miller**, to approve the agenda as presented.

Yes: 7 No: 0

5. Consent Agenda

A. Approved the payment of the bills (checks numbered 59466-59539) in the amount of \$186,798.27.

B. Approved the minutes for the December 11, 2017 work session and the December 18, 2017 regular Council meeting.

C. Approved Resolution 2018 – 01, a resolution to adopt a Water Asset Management Plan.

Motion by **Hanks**, second from **Duer**, to approve the Consent Agenda as presented.

Yes: 7 No: 0

6. General Business

A. Consumers Energy Presentation (Rich Houtteman and Erik Poel)

Subject: Each year, Consumers Energy provides grants for tree planting throughout the state. Each year, the Village applies for grant funding and typically receives funding. This year, the Village is the recipient of \$2,500. This money was used to plant 25 trees in the rights-of-way throughout the Village. As a Parks & Rec and Tree Board Member, Erik Poel qualifies for a donation the Consumers Energy Foundation in recognition of his volunteer hours. The \$250 will be used towards continued improvements at Whistle Stop Playground.

Rich Houtteman thanked Erik Poel for his volunteerism which qualified the Village to receive a \$250 donation that would be used for Whistle Stop playground. Mr. Houtteman explained how important the tree program was to Consumer Energy and the communities they work in.

Motion by **Doss**, second from **Duer**, to except the grant proceeds from Consumers Energy.

Yes: 7

No: 0

7. Department Reports

A. Village Manager – Burns added that **Council** had the final drawings for the new dais in front of them along with the Adopt a Garden program for the 2018. **Burns** shared that she had had a very productive meeting with Darcy Dye and that Dye had some great vision for a few pocket parks that had not yet been addressed. **Burns** said that Dye also had to re-think what she wanted to plant by Seven Steps up after having an incident with a semi-truck at that corner. **Burns** urged Council to consider attending the 2018 MML Convention that would be held in Grand Rapids in September. **Burns** shared that she had the Wet Land Mitigation report if anyone was interested in reading it over and that it was quite interesting.

B. Clerk/Treasurer/Finance Director

C. OCSO

D. Fire

E. 911

F. DPW

G. Building

8. **Old Business and Reports by the Village Council** – There was no Old Business at this time.

9. **New Business and Reports by Village Council** – There was no New Business at this time.

10. **Status Report: Village Attorney** – The Village Attorney had nothing to add at this time.

11. Statement of Citizens – There were no statements of citizens.

12. Adjournment

Motion by **Van Strate**, second from **TePastte**, Village Council adjourned the meeting at 7:11 p.m.

Yes: 7 No: 0

Mark Powers, Village President

Maryann Fonkert, Deputy Clerk



Village of Spring Lake
Draft Minutes Council Work Session

January 8, 2018

7:00 p.m.

102 West Savidge Street (Upstairs Conference Room)
Spring Lake, MI 49456

President Powers called the meeting to order at 7:00 p.m.

1. Water Asset Management Plan (Kevin Kieft)

Kevin Kieft, Prein & Newhof, updated Council on the Water Asset Management Plans following items.

- Diameters
- Age
- Capital Improvement Projects
- Water Pipe Material
- Financial Forecast

2. SAW Grant Update (John Stuparits)

John Stuparits, DPW Supervisor, updated Council on the SAW Grant progress

3. SLT/SLV Collaborative Issues Update

- Equipment & Personnel Sharing
- Council/Board Dais
- Customer Service Window

4. Downtown Development Association Update

- DDA Website
- Village Adventure
- WhizBang! Retail Training for Merchants

5. Communications

- Mixer Grant
- Tanglefoot Communications
- USACOE Communications (City of Grand Haven)

6. Minutes

7. Public Comment

8. Adjournment: 9:25 p.m.

