VILLAGE BOARD MEETING
February 6, 2019
Agenda

Call to Order

Pledge of Allegiance

Special Presentation

Family of William Rutter

Approval of Minutes

Village Board Meeting – January 2, 2019
Village Board Workshop Meeting – January 16, 2019

Public Hearing

Introductory Local Law #1-2019 "A Local Law Amend Chapter 115 of the Village of Spencerport Code"

Introductory Local Law #3-2019 "A Local Law to Amend Section 340-28 of the Village of Spencerport Code"

Privilege of the Floor

Administrative Committee – Mayor Penders

Resolution 2/2019

Introduced by:
Seconded by:

Whereas, the Village Board has before it a Local Law entitled Introductory Local Law #1-2019 "A Local Law to Amend Chapter 115 of the village of Spencerport Code" which, if adopted, will restrict the keeping of animals in the Village of Spencerport; and

Whereas, the Village Board has, on this date, held a public hearing to consider said proposed Local Law; and

Whereas, the Village Board has considered any public input; and

Whereas, this action is an unlisted action under the State Environmental Quality Review Act and the Village Board has adopted a Negative Declaration; and

Whereas, the notice of this hearing was duly published and posted as required by law;

Now, therefore, be it resolved:

Section 1. That the Village Board of the Village of Spencerport hereby enacts Local Law #2-2019 "A Local Law to Amend Chapter 115 of the village of Spencerport Code"

Section 2. That the Village Clerk is ordered to publish a legal notice indicating the adoption of this Local Law and to file a copy of this Local Law with New York State.

Section 3. That this Local Law shall take effect upon filing with the Secretary of State.

Section 4. That this resolution shall take effect immediately.

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee
Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

Resolution 2/2019

Introduced by:
Seconded by:

Whereas, the Village Board has before it a Local Law entitled Introductory Local Law #3-2019 "A Local Law to Amend Section 340-28 of the Village of Spencerport Code"

Whereas, the Village Board has, on this date, held a public hearing to consider said proposed Local Law; and

Whereas, the Village Board has considered any public input; and

Whereas, this action is an unlisted action under the State Environmental Quality Review Act and the Village Board has adopted a Negative Declaration; and

Whereas, the notice of this hearing was duly published and posted as required by law;

Now, therefore, be it resolved:

Section 1. That the Village Board of the Village of Spencerport hereby enacts Local Law #3-2019 "A Local Law to Amend Section 340-28 of the Village of Spencerport Code"

Section 2. That the Village Clerk is ordered to publish a legal notice indicating the adoption of this Local Law and to file a copy of this Local Law with New York State.

Section 3. That this Local Law shall take effect upon filing with the Secretary of State.

Section 4. That this resolution shall take effect immediately.

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee

Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

Resolution 2/2019

Introduced by:
Seconded by:

Be it resolved that the Village of Spencerport Board of Trustees hereby approves the application from the Town of Ogden Parks and Recreation Department and the Kiwanis Club of Spencerport for the Pineway Ponds run/walk Saturday, September 28, 2019 from 8:30 a.m. – 10:30 p.m.

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee
Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

Sewers Committee – Trustee Wohlers, Chair

Planning/Zoning/Building Control – Deputy Mayor Nellis-Ewell, Chair

A. Planning

B. Architectural Review

C. Zoning

D. Building Control

E. Code Review

Finance Committee – Mayor Penders, Chair

Resolution 2/2019

Introduced by:
Seconded by:

Be it resolved that the Village of Spencerport Board of Trustees hereby approves the below budget transfers.

February 6, 2019 BUDGET TRANSFER & REVISION Fiscal Year End 5/31/2019

AMOUNT	TO ACCOUNT		FROM ACCOUNT	
$10,700	A8170.101	Leaf Pick-Up - Salary	A5110.403	Highways - Road Materials

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee
Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

Facilities Committee – Trustee Hopson, Chair

A. Electric

Resolution 2/2019

Introduced by:
Seconded by:

Be it resolved that the Village of Spencerport Board of Trustees hereby approves SME Superintendent Owen McIntee to represent the MEUA at the 2019 APPA Legislative Rally in Washington, DC February 25-27, 2019.

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee
Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

Resolution 2/2019

Introduced by:
Seconded by:

Be it resolved that the Village of Spencerport Board of Trustees hereby approves Mat Gartz, SME Lineman to attend the Southeastern Meter School March 18-21, 2019 in Auburn Alabama. Total cost not to exceed $1700.00.

Vote of the Board: Carol J. Nellis-Ewell, Deputy Mayor
Charles R. Hopson, Trustee
Ray Kuntz, Trustee
David Wohlers, Trustee
Gary Penders, Mayor

B. Other (Drainage, Franchise)

Public Works Committee – Trustee Kuntz, Chair

A. Highways/Garage

B. Public Services (Refuse, Recycling, Parks)

Public Safety Committee – Trustee Penders, Chair

A. Fire Department

B. Police

C. Ambulance

Human Resources Committee – Mayor Penders, Chair

Economic Development Committee – Trustee Wohlers, Chair

Green Initiatives – Deputy Mayor Nellis-Ewell, Chair

Village Clerk – Jacqueline Sullivan

Village liability/accident insurance

Superintendent of Public Works – Thomas M. West

Superintendent of Electric – Owen McIntee

Attorney – Eric Stowe

Unfinished Business

New Business

Past, Current and Future Events – Deputy Mayor Nellis-Ewell

Bills

Post Audit

February 2019

Southeastern Meter School & Conference Class Schedule

Monday, March 18th

Time	Module 100	Module 200	Module 300	Module 400	Module 500
10:00 - 1:00	Registration				
1:00 - 1:30	General Session				
1:30 - 2:30	Keynote Speaker - **Ed Beroset, *EPRI*** "Metering Communication Interoperability"				
2:30 - 3:00	Networking and Refreshment Break				
3:00 - 4:30	Meter Safety Combined Class				
4:30 - 6:00	Exhibit Hall / Hospitality				

Tuesday, March 19th

Time	Module 100	Module 200	Module 300	Module 400-A	Module 400-B	Module 500
8:30 - 10:00	Electrical Fundamentals	Power Theory	Grounding & Bonding Meter Sockets	Meter Failure Case Study		Meter Programming Landis + Gyr
				Product & Solutions - Schweitzer Engineering		
10:00 - 10:30	Networking and Refreshment Break in Exhibit Hall					
10:30 - 12:00	Single Phase Metering Theory	Principles & Applications of Polyphase Metering	Fundamentals of Single & PolyPhase Field Meter Testing	Grid Monitoring Sensor Solution - Aclara	Testing Solutions for AMI & Smart Grid - Radian Research	Meter Programming Landis + Gyr Continued
				Product & Solutions - Brooks Utility Products Group	Metering & Lighting Control - Milbanks	
12:00 - 1:00	Lunch Provided					
1:00 - 2:00	Service Types & Meter Forms	Applications & Sizing of Instrument Transformers	Hands On Self-Contained Single & PolyPhase Meter Testing	Utility Roundtable Session		Meter Programming Aclara
2:00 - 2:30	Networking and Refreshment Break in Exhibit Hall					
2:30 - 4:00	Intro to Meter Sockets	Applications & Sizing of Instrument Transformers Continued	Hands On Transformer Rated Solid State PolyPhase Meter Testing	Protecting Your Smart Grid Investment - Inner-Tite	Advanced Metering & Solar Applications - Ametek	Meter Programming Aclara Continued
	Meter Test Switches & Security Devices			AMI Solution Overview - Itron	Near Real-Time Data Collection for Large C&I Customers - Primestone	
4:00 - 5:30	Exhibit Hall / Hospitality					

Southeastern Meter School

Southeastern Meter School & Conference Class Schedule

Wednesday, March 20th

Time	Module 100	Module 200	Module 300	Module 400-A	Module 400-B	Module 500
8:30 - 10:00	Instrument Transformer Fundamentals	Pulse Metering	Testing & Verification of Meter Installation Using Customer Load	Advantages of Distribution Automation on the AMI Grid - Landis+Gyr	Tech Enables Meter Testing- Field Servcies Software - HBNext	Meter Programming Honeywell Elster
		Applications of Multifunction Metering		Product & Solutions - TBD	New Era of AMI - Hosted Cellular Solutions - Verizon	
10:00 - 10:30	Networking and Refreshment Break in Exhibit Hall					
10:30 - 12:00	Single Phase Metering Testing Overview	Troubleshooting with Phasors	Testing & Verification of Meter Installation Using Customer Load Continued	ION Metering - Schneider Electric	A Sweet Suite of GIS Solutions on UtiliSuite - Central Services Assn	Meter Programming Honeywell Elster Continued
	Hot Socket Issues & Solutions			How Transockets Help with Efficiency in Metering - The Durham Company	Selecting an AMI Meter Exchange Services Contractor - Texas Meter + Device Company	
12:00 - 1:00	Lunch Provided					
1:00 - 2:30	Distribution Transformer Connections	Metering Renewable Energy		Meter & AMI Solutions Update - Honeywell Elster	AMI Mesh Networks - Importance of Network Capacity - NRTC	Meter Programming Itron
				AMI System Operational with Data Analytics - WESCO	Product & Solutions	
2:30 - 3:00	Networking and Refreshment Break					
3:00 - 4:30	Demand / Time of Use Metering & Utility Billing Rates	Reactive, KVA and 4 Quadrant Metering		Three Phase Meter Tester with Built-In WiFi - Probewell Lan	Nothing is Out of Reach - Sensus	Meter Programming Itron Continued
				High Accuracy Extended Range & Superbute Products - GE Instrument Transformers	Product & Solutions	
5:30 - 6:30	Annual Dinner in Grand Ballrom					

Thursday, March 21st

Time	Module 100	Module 200	Module 300	Module 400	Module 500
8:30 - 9:45	Residential Theft Combined Class				
9:45 - 10:15	Networking and Refreshment Break				
10:15 - 11:30	Commercial Theft Combined Class				
11:30 - 12:00	Closing Session				

Knowledge is Power

Opening Session

Metering Communication Interoperability
Ed Beroset, *EPRI*

Metering communication interoperability has been a goal of some in the industry for over two decades. What is the current state of interoperability in the industry and what does the future hold? This session will address those questions and also describe actions that EPRI, utility and vendor personnel have done and continue to do to assure a more interoperable future.

Meter Safety
Instructor: Demetrius Hampton, *Alabama Power*
The check out procedures for self- contained meter sockets and the results of a fault in a self-contained meter socket. Demonstrations of the proper use of protective equipment and fire retardant clothing while working in reach of an energized circuit. Discussions on various accidents experienced by meterman. Safety precautions while working inside a substation.

Module 100
Fundamental Metering

Metering Math & Electrical Fundamentals
Instructor: Mike Chirico, *South Alabama EC*
Review of basic meter math skills. This would include fractions, percentages, multipliers, ratios, algebra and how they apply to metering applications. Learn the principles of electricity, AC and DC circuit theory including ohms law and circuit components, along with current and voltage laws.

Single Phase Meter Theory
Instructor: Bryan Seal, *Itron*
Explanation of the mechanics and electrical theory of single phase meters. Discussion of internal meter components, and how they interact to make the meter register properly. Session will include how a solid state meter works along with the application of the meter in the electric service.

Service / Types & Form Numbers
Instructor: Jeremy Morgan, *Fairhope Utilities*
Focuses on service voltages and how they relate to meter selection. What is a meter "Form" and how does it relate to the type of service? Learn what does the nameplate information tell you. Overview of how meters, sockets and transformers are wired together? Although concentrating on single phase services, polyphase meter forms are also discussed.

Introduction to Meter Sockets
Instructors: Kevin Johansen, *The Durham Company*
Course is designed to teach the fundamental characteristics of meter sockets. A variety of sockets will be used to demonstrate construction, features, types, and application in electric service.

Meter Test Switches & Security Devices
Instructor: Mike King, *Brooks UPG*
This session will cover a variety of types of test switches used in meter sockets along with their application. Also a discussion on the security devices used with meter sockets.

Instrument Transformers Fundamentals
Instructor: Rudolf Ogajanov, *ABB*
Course is designed to teach the fundamental characteristics of Current and Potential Transformers as they are applied to electric metering. Topics include ratio, rating factor, BIL, burden, polarity and ANSI accuracy class.

Single Phase Meter Testing Overview
Instructor: David Thompson, *Georgia Power*
This session will provide an overview of testing single phase metering. Discussion will include the application and safety of testing single phase meters.

Hot Socket Issues & Solutions
Instructor: Tom Lawton, *TESCO*
This presentation discusses the causes of hot sockets, what to look for when inspecting an existing meter installation for a hot socket, and what the best practices are for handling potential hot sockets.

Distribution Transformer Connections
Instructors: Mike McHan, Jason Waters, *Georgia Power*
Lecture on the understanding of distribution transformer connections and how to make them. A necessity to a well rounded meter person.

Demand / Time of Use Metering
Instructor: Paul Millan, *Southern California Edison*
Lecture on what "demand" is and why do utilities use demand metering. It will cover different types of demand metering and technologies. This class will also cover "Time of Use" (TOU) metering and related technologies. It will address questions on why we use TOU metering and its benefits.

Module 200
Advanced Metering

Power Theory
Instructor: Lee Allen, *Lanier Technical College*
An expansion of the popular course on the basics of electricity – volts, amps, power factor and all kinds of good stuff. Definition and applications of power triangle, KW, KVA, power factor, reactive power, and demand.

Principles & Applications of Polyphase Metering
Instructor: Jack Pyburn, *Honeywell Elster*
Lecture on "What is polyphase metering." Why does the customer need this type of metering? Evolution of polyphase metering. A review of delta and wye metering applications, 2,2-1/2 and 3 element meter selection, "multi-form" meters and Blondel's Theorem. Polyphase meter wiring connections are discussed.

Applications & Sizing of Current Transformers
Instructor: Frank Lopez, *GE Digital Energy*
Learn the procedure to determine the proper current transformer size for an installation. Review the application of rating factors. Mulit-Range current transformers will be covered in this session.

Pulse / Load Profile Metering
Instructor: Bill Mulkey, *Georgia Power*
What is pulse metering? When, why, and how you would use it in a modern day metering system. Explanations of pulse initiators, isolation relays, and pulse weight calculations.

Applications of Multi-Function Metering
Instructor: Mike Bearden, *Landis + Gyr*
This session will cover the proper selection and application of the multi-function meter. A review of the considerations for the type of utility service.

Installation Troubleshooting Using Phasors
Instructor: Christopher Prince, *Aclara*
An introduction to the concept of phasor diagrams – what they represent, how they are developed, and how they may be used as effective diagnostic tools. Working with phasor information provided by new solid state electricity meters to troubleshoot new and Existing metering installations. Includes some interactive exercises diagnosing miswired meters.

Metering Renewable Energy
Instructor: Keith Hardt, *Pungo Engineering*
Learn about installing meters when the source is from alternative energy. This session covers the metering and protection requirements for the interconnection of utility scale renewable generation to utility electric distribution systems. Discussion topics will include the utility interconnection process, metering, protection and safety considerations and components used.

Reactive, KVA and 4 Quadrant Metering
Instructor: Christopher Prince, *Aclara*
Explore reactive metering concepts and terminology. Look at why reactive measurements are important, their impact on system losses, equipment sizing, and cost of service. Review the mathematical derivation of reactive quantities. Explanation of 4 Quadrant metering.

Module 300
Meter Testing & Safety

Grounding and Bonding of Meter Enclosures
Instructor: Art Lowery, *Georgia Power*
Lecture of the proper and safe way to ground and bond a meter enclosure. National Electric Code requirements will be discussed.

Fundamentals of Single & Polyphase Field Meter Testing
Instructor: George Johnson, *Georgia Power*
Discussion on the Basic Theory, Philosophy, and ANSI Standards necessary to complete single phase and three phase meter testing. Includes details of phantom load testing and customer load testing.

Hands On Self-Contained Single Phase and PolyPhase Meter Testing
Instructors: George Johnson, Art Lowery, David Thompson, Brennan Wood, *Georgia Power*
Hands on lab allowing students to test mechanical and electronic self-contained watt-hour meters using phantom load and portable watt-hour standard.

Hands On Transformer Rated Solid State PolyPhase Meter Testing
Instructors: George Johnson, Art Lowery, David Thompson, Brennan Wood, *Georgia Power*
Hands on lab allowing students to test electronic transformer rated watt-hour meters. Using phantom load and portable watt-hour standard, three portable watt-hour standards, and newer technology test equipment. Testing from infrared test LED.

Testing and Verification of Meter Installation Using Customer Load
Instructors: Art Lowery, David Thompson, Brennan Wood, *Georgia Power*
Demonstration on how to properly check your overall meter installation and be assured of accurate billing. Class will include vector analysis, voltage measurement, CT burden verification and verifying CT ratios using latest test equipment and classroom discussion.

Residential Theft
Instructor: Paul Pulliam, *Georgia Power*
The loss of revenue through unsecured meters, the use of tap detectors, the use of check meters and other methods of theft detection, the meterman's role in revenue protection, and how investigations are completed after a theft case is discovered.

Commercial Theft
Instructor: Paul Pulliam, *Georgia Power*
Detection of loss of revenue due to theft on Commercial accounts. Ways to prevent loss of revenue due to theft of services on Self Contained Polyphase and Instrument Transformer Rated accounts.

Module 400
Smart Grid, AMI and Emerging Technology

Meter Failure Case Study
Instructor: Brennan Wood, *Georgia Power*
This class will be a case study about an issue at a Georgia Power metering installation. The discussion will include the troubleshooting and enginnering application of a radio station metering installation that was mysteriously heating up and failing shortly after being energized. Learn about the steps taken to resolve a unique situation.

Utility Roundtable Session
Instructors: Various Utility Meter Professionals
This session is for utility personnel only. Various discussions about challenges and benefits to working in the field of metering.

Product & Solutions
Learn about applications, trends and utilizing elements of Smart Grid, AMI and emerging technologies. This year you will be able to learn from metering industry manufacturers about their products and solutions.

Product & Solutions:
Victor Love, *Schweitzer Engineering Labs*

Grid Monitoring Sensor Solution:
David Brooks, *Aclara*

Testing Solutions for AMI, Smart Grid & Emerging Technologies:
Bob Whitmore, *Radian Research*

Metering Related Products:
Mike King, *Brooks Utility Products Group*

Metering & Lighting Control:
Jack Hackathorn, *Milbanks*

Protecting Your Smart Grid Investment:
Lee Holovnia, *Inner-Tite Corporation*

Advanced Metering & Solar Applications:
Joe Ostrowsky, *Ametek*

AMI Solution Overview:
Ashley Kelly, *Itron*

Case Study: Near Real-Time Data Collection for Large C&I Customers:
Andy Schechter, *Primestone*

Current & Future Advantages of Distribution Automation on the AMI Grid:
Stevven Timm, *Landis + Gyr*

Tech-Enables Meter Testing - Incorporating Software with Field Services:
Tony Cann, *HBNext*

A New Era of AMI - Hosted Cellular Solutions:
Todd Adams, *Verizon*

ION Metering:
Michael Neas, *Schneider Electric*

A Sweet Suite of GIS Solutions on UtiliSuite:
Charles Huddleston, *Central Services Assn*

How Transockets Help with Efficiency in Metering:
Kevin Johansen, *The Durham Company*

Selecting an AMI Meter Exchange Services Contractor:
Phil Dudley, *Texas Meter + Device Company*

Meter & AMI Solutions Update:
Jack Pyburn, *Honeywell Elster*

AMI Mesh Networks - Why Network Capacity & a Standards Based EcoSystem are Important for Utilities of the Future:
Rodney Pugh, *NRTC*

Making Your AMI System Truly Operational with Data Analytics:
Sean Dempsey, *WESCO*

New Portable Three Phase Meter Tester with Built-In WiFi:
Mariana Napoli, *Probewell Lan*

Nothing is Out of Reach with Sensus:
Toby Smith, *Sensus*

LV High Accuracy Extended Range Products & MV Superbute Products:
Frank Lopez, *GE Instrument Transformers*

Module 500
Meter Programming

Overview and hands on programming of manufacturers metering software. You will be creating and editing meter programs.

Laptop computers are provided but students can bring their own.

Meter Programming

- *Aclara*
- *Honeywell Elster*
- *Itron*
- *Landis + Gyr*

Attend Any Class From Any Module

SOUTHEASTERN METER SCHOOL