

*The Town of Orleans Board Meeting  
October 15, 2018*

*The Town of Orleans town board held a regular scheduled board meeting on October 15, 2018 at 7:00 PM at the municipal building in LaFargeville.*

**Members Present:** *Kevin Rarick, Peter Wilson, Gwen Kirkby, Thomas Johnston., and Mary Ford-Waterman.*

**Others Present:** *Amy Davis, Jim Burrows, Brian Kirkby, Lee Shimel, Pam McDowell, Rob Company, Manny Jerome, Debby & Dave Schryver.*

*Supervisor Rarick called meeting to order at 7:06pm*

*1. Minutes- A motion was made by Gwen Kirkby and seconded by Peter Wilson to accept September minutes as read.*

*Kevin Rarick, Aye  
Thomas Johnston, Aye  
Gwen Kirkby, Aye  
Peter Wilson, Aye  
Mary Ford-Waterman, Aye All in favor motion carried*

*2. Ventrice Trailer Park- Attorney Burrows spoke and explained to the board where he was at with Ventrice Trailer park owner on Rte. 12 water project.*

*3. Solar Law- Town board went through the Full environmental assessment form Part 1, Part 2 and Part 3. Supervisor Rarick signed.*

*4. Resolution for negative Declaration (SEQR) for solar energy*

Town of Orleans  
PO Box 103  
LaFargeville, New York 13656

*"This institution is an equal opportunity provider and employer"*

**Supervisor**  
Kevin Rarick 658-4411  
**Town Clerk**  
Tammy Donnelly 658-9950  
**Highway**  
**Superintendent**  
Brian Kirkby 658-9920  
**Town Assessor**  
Dale Raymo 658-4309

**Zoning Officer**  
Lee Shimel 658-2057

**Town Council**  
Gwen Kirkby  
Peter Wilson  
Mary Ford Waterman  
Thomas Johnston

**RESOLUTION 21**  
**NEGATIVE DECLARATION (SEQR) FOR SOLAR ENERGY**

**WHEREAS**, the Town Board for the Town of Orleans, New York has considered the adoption of Legislation in the Town of Orleans in connection with regulations Solar Energy Systems; and

**WHEREAS**, the Town Board of the Town of Orleans has reviewed a Long Form Environmental Assessment Form for the purpose of assisting the Town Board in making a determination of significance in respect to the Legislation; of whether the enactment of the Legislation would have a significant adverse impact on the environment; and

**WHEREAS**, the Town has reviewed the criteria for determining significance of an action that is set forth at 6 NYCRR §617.7(c); and

**WHEREAS**, having considered the action consisting of the adoption of the Legislation and the potential environmental impacts associated with such action the Town Board has determined to proceed.

**NOW, THEREFORE, BE IT RESOLVED**, that the Town Board of the Town of Orleans finds that the proposed action of adopting the legislation subject to SEQR; and

**BE IT FURTHER RESOLVED**, that the action constitutes a Type 1 action under SEQR 617.4(b)(2) and (3); and

**BE IT FURTHER RESOLVED**, that the Town Board is the agency with jurisdiction by law to fund, approve, or directly undertake this action, and therefore, a coordinated review of the action under SEQR is neither required or necessary.

**NOW, THEREFORE, BE IT RESOLVED**, by the Town Board of the Town of Orleans, New York:

1. Based upon the examination and consideration of the Long Environmental Assessment Form and comparison of the proposed action and criteria set forth at 617.7, no significant impact on the environment is known by the adoption of the proposed legislation.

2. The Supervisor for the Town of Orleans is authorized to execute the Long Environmental Assessment Form to the effect that the Town Board is issuing a "negative declaration" under SEQR.

3. The Town Clerk is hereby directed to file and circulate Part 3 in accordance with the requirements for a Type I action of the Long Environmental Assessment Form.

4. A complete copy of the EAF including its negative declaration shall be maintained in the Town Clerk's office in a file that will be readily assessable to the Public. Further, the Town Clerk is hereby authorized to publish a notice to that effect in the Environmental Notice Bulletin. All subsequent notices regarding the undertaking of the project as set forth in this report shall state that a negative declaration has been issued.

5. This Resolution shall take effect immediately.

The foregoing Resolution was offered by Board Member, Thomas Johnston, Jr. and seconded by Board Member, Peter Wilson, and upon roll call vote of the Board was duly adopted as follows:

Supervisor Kevin Rarick	Yes <u>X</u>	No _____
Thomas Johnston, Jr.	Yes <u>X</u>	No _____
Gwendolyn Kirkby	Yes <u>X</u>	No _____
Peter Wilson	Yes <u>X</u>	No _____
Mary Ford-Waterman	Yes <u>X</u>	No _____

Dated: October 15, 2018

Amy Davis Deputy  
Tammy Donnelly, Town Clerk

**Town of Orleans**  
**PO Box 103**  
**LaFargeville, New York 13656**  
*"This institution is an equal opportunity provider and employer"*

**Supervisor**  
Kevin Rarick 658-4411  
**Town Clerk**  
Tammy Donnelly 658-9950  
**Highway**  
**Superintendent**  
Brian Kirkby 658-9920  
**Town Assessor**  
Dale Raymo 658-4309

**Zoning Officer**  
Lee Shimel 658-2057

**Town Council**  
Gwen Kirkby  
Peter Wilson  
Mary Ford Waterman  
Thomas Johnston

**RESOLUTION 22**  
**ENACT A LOCAL LAW REGULATION SOLAR ENERGY**

**WHEREAS**, the Town Board for the Town of Orleans, New York has devoted considerable time and attention to Green Energy issues including Solar Energy Systems; and

**WHEREAS**, the Town Board has determined that the orderly growth of Solar Energy Systems will promote the health, safety and welfare of the community, and will do so in an environmentally friendly fashion; and

**WHEREAS**, pursuant to the New York Environmental Quality Review Act, this Board, as the only involved agency has reviewed Parts 1, 2, and 3 of a Long Form Environmental Assessment Form, has made a determination that the adoption of the Local Law in the Town of Orleans, New York will result in no significant adverse impacts upon the environment and has adopted a negative declaration in connection therewith.

**NOW, THEREFORE, BE IT RESOLVED**, by the Town Board of the Town of Orleans, New York as follows:

1. The forgoing recitation is incorporated herein and made a part hereof as if set forth hereafter.
2. The Town Board hereby enacts the Local Law titled "Solar Energy Law" as being in the best interests of the Town of Orleans.
3. The Supervisor for the Town of Orleans and the Town Clerk for the Town of Orleans, their respective agents and employees are authorized to sign all documents and take all steps necessary to enact this legislation.

RESOLUTION -OptingOutTaxExemption

4. This Legislation shall be filed with the New York State Department of State; with the Town Clerk of the Town of Orleans.

5. This Resolution shall take effect immediately.

The foregoing Resolution was offered by Board Member, Gwendolyn Kirkby and seconded by Board Member, Mary Ford-Waterman, and upon roll call vote of the Board was duly adopted as follows:

Supervisor Kevin Rarick	Yes <u>X</u>	No _____
Thomas Johnston, Jr.	Yes <u>X</u>	No _____
Gwendolyn Kirkby	Yes <u>X</u>	No _____
Peter Wilson	Yes <u>X</u>	No _____
Mary Ford-Waterman	Yes <u>X</u>	No _____

Dated: October 15, 2018

Amy Davis Deputy  
Tammy Donnelly, Town Clerk

# **Town of Orleans Solar Energy Law**

## **1. Authority**

This Zoning for Solar Energy Law is adopted pursuant to sections 261-263 of the Town Law, of the State of New York, which authorize the Town of Orleans to adopt zoning provisions that advance and protect the health, safety, and welfare of the community, and "to make provision for, so far as conditions may permit, the accommodation of solar energy systems and equipment and access to sunlight necessary therefor."

## **2. Statement of Purpose**

- A. This Zoning for Solar Energy Law is adopted to advance and protect the public health, safety, and welfare of the Town of Orleans, including:
- 1) Taking advantage of a safe, abundant, renewable, and non-polluting energy resource;
  - 2) Decreasing the cost of energy to the owners of commercial and residential properties, including single-family houses; and
  - 3) Increasing employment and business development in the region by furthering the installation of Solar Energy Systems.

## **3. Definitions**

**BUILDING INTEGRATED PHOTOVOLTAIC SYSTEM:** A combination of photovoltaic building components integrated into any building envelope system such as vertical facades including glass and other façade material, semitransparent skylight systems, roofing materials, and shading over windows.

**GROUND MOUNTED SOLAR ENERGY SYSTEM:** A Solar Energy System that is anchored to the ground and attached to a pole or other mounting system, detached from any other structure for the primary purpose of producing electricity for onsite consumption.

**LARGE-SCALE SOLAR ENERGY SYSTEM:** A Solar Energy System that is ground-mounted and produces energy primarily for the purpose of off-site sale or consumption.

**LOT COVERAGE FOR SOLAR FACILITY:** The area measured from the outer edge of the ground mounted arrays, inverters, batteries, storage cells and all other mechanical equipment used to create solar energy, exclusive of fencing and roadways and paths between rows of modules. When measuring the outer edge of an array, the greatest possible footprint shall be identified and considered in the calculations.

**ROOF-MOUNTED SOLAR ENERGY SYSTEM:** A solar panel system located on the roof of any legally permitted building or structure for the purpose of producing electricity for onsite or offsite consumption.

**SOLAR ENERGY EQUIPMENT:** Electrical energy storage devices, material, hardware, inverters, or other electrical equipment and conduit of photovoltaic devices associated with the production of electrical energy.

**SOLAR ENERGY SYSTEM:** An electrical generating system composed of a combination of both Solar Panels and Solar Energy Equipment.

**SOLAR PANEL:** A Photovoltaic device capable of collecting and converting solar energy into electrical energy.

#### **4. Applicability**

The requirements of this law shall apply to all Solar Energy Systems installed or modified after its effective date, excluding general maintenance and repair and Building-Integrated Photovoltaic Systems.

#### **5. Solar as an Accessory Use or Structure**

##### **A. Roof-Mounted Solar Energy Systems.**

- 1) Roof-Mounted Solar Energy Systems that use the electricity onsite or offsite are permitted as an accessory use in all zoning districts when attached to any lawfully permitted building or structure. A valid Zoning Permit shall be obtained through the Town of Orleans Zoning Enforcement Officer prior to installation.
- 2) Roof mounted solar energy systems require a building permit. All work shall be completed in accordance with the NYS Building Code and National Electric Code.
- 3) Height. Solar Energy Systems shall not exceed the maximum height restrictions of the zoning district within which they are located and are provided the same height exemptions granted to building-mounted mechanical devices or equipment.
- 4) Aesthetics. Roof-Mounted Solar Energy System installations shall incorporate, when feasible, the following design requirements:
  - a. Panels facing the front yard must be mounted at the same angle as the roof's surface with a maximum distance of 18 inches between the roof and highest edge of the system.
  - b. Roof mounted solar structures shall be color coordinated to harmonize with roof material and other colors of the structure.
  - c. Solar panels shall be placed and arranged such that reflected solar radiation or glare shall not be directed onto adjacent buildings, properties, or roadways.
- 5) Roof-Mounted Solar Energy Systems that use the energy onsite or offsite shall be exempt from site plan review under the local zoning code or other land use regulations.

##### **B. Ground-Mounted Solar Energy Systems.**

- 1) Ground-Mounted Solar Energy Systems that use the electricity primarily onsite are permitted as accessory structures with a Zoning Permit within all zoning districts except the Resort Districts. Within the Resort 1 and 2 Districts, a Special Use Permit shall be required.
- 2) Ground mounted solar arrays require a building permit. All work shall be completed in accordance with the NYS Building Code and National Electric Code.
- 3) Height. Ground Mounted Solar Energy Systems that use the electricity primarily onsite shall not exceed 15 feet in height when oriented at maximum tilt.
- 4) Lot Coverage. Systems are limited to a maximum coverage of 50 percent. The surface area covered by Ground-Mounted Solar Panels shall be included in total lot coverage.
- 5) Setbacks. Ground-Mounted Solar Energy Systems shall adhere to the setback requirements of the underlying zoning district. All solar collectors must be located in compliance with DEC and federal flood plain regulations and specifications as they pertain to waterways, waterbodies and designated wetlands.
- 6) Size. The overall footprint of a Ground-Mounted Solar Energy System that uses the electricity primarily onsite shall not exceed 650 square feet in the Rural Residence, Residential, Resort 1 and 2 Districts and 2,000 square feet in all other Districts.
- 7) All such Systems in Rural Residence, Residential and Resort 1 and 2 Districts shall be installed in the side or rear yards.

**6. Approval Standards for Large-Scale Solar Systems as a Special Use**

- A. Large-Scale Solar Energy Systems are permitted through the issuance of a special use permit within Agriculture and Rural Residence, Business and Industrial Districts, subject to the requirements set forth in this Section, including site plan criteria. Applications for the installation of a Large-Scale Solar Energy System shall be reviewed by the Zoning Enforcement Officer and referred, with comments, to the Town Planning Board for its review and action, which can include approval, approval on conditions, and denial.
  - 1) All solar Energy Systems shall be designed by a NYS licensed architect or licensed engineer and installed in conformance with the applicable International building Code, International Fire Prevention Code and National Fire Protection Association (NFPA) 70 Standards, and National Electric Code.
  - 2) All solar collectors must be located in compliance with DEC and federal flood plain regulations and specifications as they pertain to waterways, waterbodies and designated wetlands.
- B. Special Use Permit Application Requirements. For a special permit application, the Special Use Permit application is to be used as supplemented by the following provisions.

- 1) If the property of the proposed project is to be leased, legal consent between all parties, specifying the use(s) of the land for the duration of the project, including easements and other agreements, shall be submitted.
  - 2) Plans showing the layout of the Solar Energy System signed by a Professional Engineer or Registered Architect shall be required.
  - 3) The equipment specification sheets shall be documented and submitted for all photovoltaic panels, significant components, mounting systems, and inverters that are to be installed.
  - 4) Property Operation and Maintenance Plan. Such plan shall describe continuing photovoltaic maintenance and property upkeep, such as mowing and trimming.
  - 5) Decommissioning Plan. To ensure the proper removal of Large-Scale Solar Energy Systems, a Decommissioning Plan shall be submitted as part of the application. Compliance with this plan shall be made a condition of the issuance of a Special Use Permit under this Section. The Decommissioning Plan must specify that after the Large-Scale Solar Energy System can no longer be used, it shall be removed by the applicant or any subsequent owner. The plan shall demonstrate how the removal of all infrastructure and the remediation of soil and vegetation shall be conducted to return the parcel to its original state prior to construction. The plan shall also include an expected timeline for execution. A cost estimate detailing the projected cost of executing the Decommissioning Plan shall be prepared by a Professional Engineer or Contractor. Cost estimations shall take into account inflation. Removal of Large-Scale Solar Energy Systems must be completed in accordance with the Decommissioning Plan. If the Large-Scale Solar Energy System is not decommissioned after being considered abandoned, the municipality may remove the system and restore the property and impose a lien on the property to cover these costs to the municipality.
- C. Special Use Permit Standards.
- 1) Height. Large-Scale Solar Energy Systems shall adhere to the height requirements of the underlying zoning district.
  - 2) Setbacks. Large-Scale Solar Energy Systems shall adhere to the setback requirements of the underlying zoning district. In addition, a minimum 50' setback shall be maintained between any adjoining residence and a large-scale solar energy system.
  - 3) Lot Coverage. A Large-Scale Solar Energy System that is ground-mounted shall not exceed 75 percent lot coverage of the lot on which it is installed. Only surface area covered by Solar Panels shall be included in calculation of total lot coverage.
  - 4) Fences. If a Large-Scale Solar Energy System is to be enclosed by fencing, warning signs with the owner's contact information shall be placed on the entrance and perimeter of the fencing. The fencing shall be reviewed and approved by the Town Planning Board. The fencing and the system may be further screened by any landscaping needed to avoid adverse aesthetic impacts.

- 5) Screening. All large scale Solar Energy Systems shall have the least visual effect practical on the environment, as determined by the Planning Board. Based upon site specific conditions, including topography, existing structures and roadways, reasonable efforts shall be made to minimize visual impacts by preserving natural vegetation, and providing landscape screening to adjacent residential properties, public roads and from public sites known to include important views or vistas. Screening should minimize the shading of solar collectors. Appurtenant structures such as inverters, batteries, equipment shelters, storage facilities, transformers, should be screened from adjoining residences.
- 6) Signage. Warning signs with the owners contact information shall be placed on the entrance and perimeter of the fencing. Solar equipment shall not be used for displaying any advertising. All signs, flags, streamers or similar items, temporary or permanent, are prohibited on solar equipment except: (a) manufacturer's or installer's identification; (b) appropriate warning signs and placards; (c) signs that may be required by a federal agency; and (d) signs that provide a 24 hour emergency contact phone number and warn of danger.
- 7) Glare. Solar panels shall be placed and arranged such that reflected solar radiation or glare shall not be directed onto adjacent buildings, properties, or roadways.
- 8) Noise. Noise producing equipment such as substations and inverters shall be located to minimize noise impacts on adjacent "non-participating" properties. A Noise Assessment pursuant to NYS DEC guidance document Assessment and Mitigating Impact shall be required.
- 9) Access. A road shall be provided to assure adequate emergency and service access. Maximum use of existing roads, public or private, shall be made. Access Roads shall be gated at the point of connection with public roadways.
- 10) The Town Planning Board may impose conditions on its approval of any Special Use Permit under this Section in order to enforce the standards referred to in this Section or in order to discharge its obligations under the State Environmental Quality Review Act (SEQRA).

#### **7. Abandonment**

Solar Energy Systems are considered abandoned after 24 months without electrical energy generation and must be removed from the property. Applications for extensions are reviewed by the Town Planning Board for a period of 6 months. The site shall be restored to its original condition within one year of abandonment determination.

#### **8. Solar Rights**

- A. Pursuant to Chapter 263 of New York Town Law, all parcels within the Town of Orleans shall be permitted to enjoy access to direct sunlight.
- B. No structure shall be constructed or vegetation installed that limits direct solar access greater than 50 percent of the ground surface of adjoining lots to less than 6 hours on any day of the year.

**9. Enforcement**

Any violation of this Solar Energy Law shall be subject to the same civil and criminal penalties provided for in the zoning regulations of the Town of Orleans.

**10. Severability**

The invalidity or unenforceability of any section, subsection, paragraph, sentence, clause, provision or phrase of the aforementioned sections as declared by the valid judgment of any court of competent jurisdiction to be unconstitutional shall not affect the validity or enforceability of any other section, subsection, paragraph, sentence, clause, provision or phrase, which shall remain in full force and effect.

*5. Lee Shimel – Gave report to town board. Lee stated he turned Dog Hill road property over to county. Supervisor Rarick received complaints on Amish lighting at night, reflection & messes on the road. Attorney Burrows spoke and stated not all town issues some are state issues.*

*6. Brian Kirkby update-Binder down on Collins Landing road, still need black top & shoulders. Vaadi road is complete. Would like to know where project money for him renting equipment is going to go when he gets refund. Discussion held.*

*Brian Kirkby stated another construction debris dumpster is needed at landfill or not take from contractors anymore. Discussion was held. As of January 1, 2019, the landfill will no longer except construction debris from contractors. Jim Burrows stated town will need a resolution, he will prepare. Councilman Thomas Johnston would like to know if we can use CHIPS money on dirt roads.*

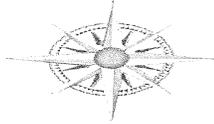
*7. Rob Campany Rte. 12 Water- Rob gave town board update on Rte. 12 water project.*

*Rob stated we need to do water use ordinance for Rte. 12 water, Fire hydrant locks approved, Marcy will pay for.*

*Collins Landing Sewer update - DEC will work with us.*

*TIPark Project – Rob presented 3 quotes for phase 3. Would like approval to award bids.*

*TI Park Project Phase 3 Quotes below*



**FOURTH COAST INC · ST LAWRENCE ENGINEERING DPC**

745 GRAVES STREET, CLAYTON NEW YORK 13624  
315/783.6384 · 315/408.7443  
www.fourthcoast.com · www.stlawrenceengineering.com

15 October, 2018

Town of Orleans  
20558 Sunrise Avenue  
LaFargeville, NY 13656

Attention: Kevin Rarick, Town Supervisor

Reference: Town of Orleans  
Thousand Island Park WWTP - Phase 3 Collection Material

Subject: Quotations Evaluation and Recommendations

Dear Mr. Rarick,

On October 10, 2018 quotations were received for the Phase 3 Collection Work for Thousand Islands Park Sewer Project. Material low bidders are summarized below:

Item	Low Bid Received	Bidder
Manholes and related components	\$10,637.00	Binghamton Precast
Manhole and cleanout frames and covers	\$2,839.98	Jefferson Concrete
Sewer piping and related components	\$9,345.66	Ferguson Waterworks

A summary of the bid amounts along with the bids quotations received for each material supplier is found on enclosed attachment. We are available any time to discuss the project in more detail should you have questions.

Respectfully,  
ST. LAWRENCE ENGINEERING DPC

Robert J. Company, P.E.

Enclosures

Cc: Karen Rusin, EFC  
Dave Rarick, DEC

**Town of Orleans**  
 Thousand Islands Park Sewer District  
 UPGRADES AND IMPROVEMENTS  
 PHASE THREE - COLLECTION

**SEWER PIPING & RELATED COMPONENTS BID:**

Wednesday, October 10, 2018 @ 4:00 pm

THE APPARIT LOW BIDDER IS SHADEN IN "YELLOW"

Item #	Description	Estimated Quantity	Units	FV Webb		Region Waterworks		Bio Supply Corporation		Merricks Corp.	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	8" Diameter SDR-35 (Wall thickness 0.240") minimum GREEN Corrugated Sewer Pipe for Main Lines per latest ASTM D-3034 in standard 14 foot laying length.**	93	Feet	\$ 53.10	\$ 4,932.30	\$ 46.90	\$ 4,361.70		\$ 4,817.40	\$ 41.25	\$ 4,982.25
2	8" Diameter SDR-35 (Wall thickness 0.120") minimum GREEN Corrugated Sewer Pipe for Lateral Lines per latest ASTM D-3034 in standard 14 foot laying length.**	15	Feet	\$ 35.60	\$ 534.00	\$ 35.88	\$ 538.20		\$ 432.60	\$ 27.00	\$ 405.00
3	4" Diameter SDR-35 (Wall thickness 0.120") minimum GREEN Corrugated Sewer Pipe for Lateral Lines per latest ASTM D-3034 in standard 14 foot laying length.**	72	Feet	\$ 12.60	\$ 907.20	\$ 12.18	\$ 876.96		\$ 957.60	\$ 11.50	\$ 900.00
<b>8" Diameter SDR-35 GREEN Empty Sewer Galvanized Fittings listed below:***</b>											
4	18" x 8" x 4" Wye (GGGI)	35.00	Each	\$ 33.95	\$ 1,188.25	\$ 29.90	\$ 1,046.50	\$ 31.88	\$ 1,116.05	\$ 29.45	\$ 1,030.75
5	18" x 8" x 6" Wye (GGGI)	2	Each	\$ 44.95	\$ 89.90	\$ 34.90	\$ 69.80	\$ 31.96	\$ 63.92	\$ 31.84	\$ 63.68
6	18" C/PVC to 6" C/PVC Fernco Coupling (Eccentric)	3	Each	\$ 25.00	\$ 75.00	\$ 28.90	\$ 86.70	\$ 31.88	\$ 95.64	\$ 82.15	\$ 246.45
<b>8" Diameter SDR-35 GREEN Empty Sewer Galvanized Fittings listed below:***</b>											
7	6" x 6" x 6" Wye (GGGI)	10	Each	\$ 24.00	\$ 240.00	\$ 22.00	\$ 220.00	\$ 24.15	\$ 241.50	\$ 21.35	\$ 213.50
8	18" x 8" x 4" Wye (GGGI)	10	Each	\$ 36.00	\$ 360.00	\$ 34.60	\$ 346.00	\$ 31.33	\$ 313.30	\$ 33.80	\$ 338.00
9	18" x 45 degree Elbow (GGI)	5	Each	\$ 12.00	\$ 60.00	\$ 11.40	\$ 57.00	\$ 11.38	\$ 56.90	\$ 10.45	\$ 52.25
10	18" x 45 degree Elbow (SWG)	5	Each	\$ 12.70	\$ 63.50	\$ 12.00	\$ 60.00	\$ 10.91	\$ 54.55	\$ 10.25	\$ 51.25
11	6" Cleanout Adapter with O-Ring and Plug (GalvPlt)	5	Each	\$ 46.15	\$ 230.75	\$ 26.95	\$ 134.75	\$ 21.77	\$ 108.85	\$ 24.15	\$ 120.75
<b>4" Diameter SDR-35 GREEN Empty Sewer Galvanized Fittings listed below:***</b>											
12	18" x 45 degree Elbow (GGI)	40	Each	\$ 6.00	\$ 240.00	\$ 5.60	\$ 224.00	\$ 5.99	\$ 239.60	\$ 5.65	\$ 226.00
13	18" x 45 degree Elbow (SWG)	60	Each	\$ 5.50	\$ 330.00	\$ 5.05	\$ 303.00	\$ 5.49	\$ 329.40	\$ 5.15	\$ 309.00
14	18" x 4" Wye (GGGI)	50	Each	\$ 11.25	\$ 562.50	\$ 10.70	\$ 535.00	\$ 11.52	\$ 576.00	\$ 9.80	\$ 490.00
15	4" Cleanout Adapter with O-Ring and Plug (GalvPlt)	50	Each	\$ 14.80	\$ 740.00	\$ 14.55	\$ 727.50	\$ 14.71	\$ 735.50	\$ 8.95	\$ 447.50
16	4" Fernco Style Flexible Adapter from SDR35 to Cast Iron; Series 1056 by FERNCO or approved equal	45	Each	\$ 6.00	\$ 270.00	\$ 4.05	\$ 182.25	\$ 1.48	\$ 66.15	\$ 3.50	\$ 157.50
17	6" C/PVC to 4" C/PVC Fernco Coupling (Eccentric)	20	Each	\$ 11.00	\$ 220.00	\$ 10.30	\$ 206.00	\$ 10.10	\$ 202.00	\$ 9.48	\$ 189.60
18	Patented Tee 3" min. Caution Sewer Line Buried Below 5' min. Aluminum-Green with BLACK Lenses (SSMA approved, 1000 feet/roll)	3	Rolls	\$ 25.00	\$ 75.00	\$ 25.00	\$ 75.00	\$ 21.00	\$ 63.00	\$ 27.00	\$ 81.00
<b>Total</b>					\$ 10,207.40		\$ 9,945.65		\$ 10,172.88		\$ 10,269.98
<b>LEAD TIME (WEEKS)</b>					2 wks		1.5 wks		7-10 wks		2 wks

**Town of Orleans**  
 Thousand Islands East Sewer District  
 UPGRADES AND IMPROVEMENTS  
 PHASE THREE - COLLECTION

**MANHOLES & RELATED COMPONENTS BID:**  
 Wednesday, October 10, 2018 @ 4:00 pm

THE APPARENT LOW BIDDER(S) SHOWN IN "YELLOW"

Item #	Description	Estimated Quantity	Units	Jefferson Concrete		Camp Precast (No Bid)		Iron Co, LLC (No Bid)		Binghamton Precast	
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
1	48" I.D. Precast Concrete Manhole with integral base x 2 foot high section, step, and poured concrete channel for two 8" dia. SDR35 pipes & factory installed waterproof boots. ***	7	Each	\$ 683.00	\$ 4,781.00		\$ -		\$ -	\$ 492.00	\$ 3,154.00
2	48" I.D. Precast Concrete Manhole with integral base x 2 foot high section, step, poured concrete channel for one 8" dia. and one 6" dia. SDR35 pipe & factory installed waterproof boots. ***	3	Each	\$ 683.00	\$ 2,049.00		\$ -		\$ -	\$ 498.00	\$ 1,551.00
3	48" I.D. Precast Concrete Manhole with integral base x 2 foot high section, step, poured concrete channel for two 10" dia. and one 8" dia. SDR35 pipe & factory installed waterproof boots. ***	1	Each	\$ 764.00	\$ 764.00		\$ -		\$ -	\$ 536.00	\$ 536.00
4	48" I.D. Precast Concrete Manhole section to fit bottom section x 2 foot high & steps. ***	4	Each	\$ 166.00	\$ 664.00		\$ -		\$ -	\$ 190.00	\$ 760.00
5	48" I.D. Precast Concrete Manhole section to fit bottom section x 3 foot high & steps. ***	3	Each	\$ 249.00	\$ 747.00		\$ -		\$ -	\$ 256.00	\$ 768.00
6	12" Flat Round Precast Concrete top with Eccentric	7	Each	\$ 196.00	\$ 1,372.00		\$ -		\$ -	\$ 293.00	\$ 2,051.00
7	18" Flat Round Precast Concrete Top with Eccentric	4	Each	\$ 212.00	\$ 848.00		\$ -		\$ -	\$ 312.00	\$ 1,248.00
8	24" I.D. hole to fit items above. ***	4	Each	\$ 26.00	\$ 104.00		\$ -		\$ -	\$ 34.00	\$ 136.00
9	Manhole Joint Tape: Butyl Rubber-Sealant meeting ASTM C-990 Section 20-1, Basis of Design Conical 1002 or approved equal. Typical cartons 5 rolls at 14'-6" x 72.5' per carton	12	CTN	\$ 55.00	\$ 660.00		\$ -		\$ -	\$ 55.00	\$ 660.00
<b>TOTAL</b>				\$	11,988.00	\$	-	\$	-	\$	30,637.00

LEAD TIME (WEEKS)	4 wks
4-5 wks after approval	

Town of Orleans  
 Thousand Islands Park Sewer District  
 IMPROVEMENTS AND IMPROVEMENTS  
 PHASE THREE - COLLECTION

**MANHOLES / CLEANOUT FRAMES & COVERS BID:**

Wednesday, October 10, 2018 @ 4:00 pm

THE APPARENT LOW BIDDER IS SHOWN IN "YELLOW"

Item #	Description	Estimated Quantity	Units	Jefferson Concrete		Camp Precast (No Bid)		Iron Co, LLC (No Bid)		Binghamton Precast		
				Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price	
1	4" deep bottom flanged gray iron HD JMH Frame and 1.38" deep 24" dia. diameter Cover stamped "Sanitary Sewer" with two closed lock holes (Base of design E1 Company's 37172 frame Product #0317719 frame 1004 Cover Product #0310321). Made in USA, or approved equal**	11	Sets	\$ 258.08	\$ 2,839.98		\$		\$		\$ 294.00	\$ 3,234.00
	<b>TOTAL</b>				\$ 2,839.98		\$		\$		\$	\$ 3,234.00

LEAD TIME (WEEKS)	2 wks	4-6 wks after approval
-------------------	-------	------------------------

**Resolution #23**

*A motion was made by Mary Ford Waterman and seconded by Thomas Johnston to accept Binghamton Precast Bid in the amount of \$10,637.00. (Manholes & related components).*

*Kevin Rarick, Aye  
 Thomas Johnston, Aye  
 Gwen Kirkby, Aye  
 Peter Wilson, Aye  
 Mary Ford-Waterman, Aye All in favor motion carried*

**Resolution #24**

*A motion was made by Gwen Kirkby and seconded by Thomas Johnston to accept Jefferson Concrete bid in the amount of \$2,839.98 (Manhole & Manhole and cleanout frames and covers)*

*Kevin Rarick, Aye  
 Thomas Johnston, Aye*

Gwen Kirkby, Aye  
Peter Wilson, Aye  
Mary Ford-Waterman, Aye All in favor motion carried

**Resolution #25**

*A motion was made by Thomas Johnston and seconded by Peter Wilson to accept Ferguson Waterworks bid in the amount of \$9,345.66 (Sewer piping and related components).*

Kevin Rarick, Aye  
Thomas Johnston, Aye  
Gwen Kirkby, Aye  
Peter Wilson, Aye  
Mary Ford-Waterman, Aye All in favor motion carried

*Rob stated LA Sewer transfer site and roof at plant will be having 11-month inspection tomorrow he will be coming with Marcy.*

8. *Attorney Burrows went through budget process*

9. *Councilman Thomas Johnston did report for Steve Dulmage- Corey/Mike will be going to training in Canastota.*

*Inspection done on the October 4<sup>th</sup>, DEC inspection will be on the 24<sup>th</sup>, will be doing hydrant flushing, ISO meeting is on the 24<sup>th</sup>.*

10. *A motion was made by Peter Wilson and seconded by Thomas Johnston to go into executive session for possible litigation and personnel matter.*

Kevin Rarick, Aye  
Thomas Johnston, Aye  
Gwen Kirkby, Aye  
Peter Wilson, Aye  
Mary Ford-Waterman, Aye All in favor motion carried

*Entered Executive session at 8:40PM*

*Exited Executive session at 9:15PM*

*A motion was made by Peter Wilson and seconded by Gwen Kirkby to adjourn meeting*

Kevin Rarick, Aye  
Thomas Johnston, Aye  
Gwen Kirkby, Aye  
Peter Wilson, Aye  
Mary Ford-Waterman, Aye All in favor motion carried

*Meeting adjourned at 9:16PM*

*Minutes taken by Deputy Town Clerk Amy Davis*

*Respectfully submitted  
Tammy Donnelly*