

APPLICATION FORM 105022

Created on February 11, 2021 - 04:35 PM Application NOT Finalized

Region

Capital District

Questionnaire Questions & Answers

Location

Green Innovation Grant Program (Efficiency)

Q_928 Project Street Address: Please input the project street address (**Street Number and Street Name only**).

If the project has multiple locations, please input the primary street address of the project. If the project does not have a definite street address, please input the approximate street address of the project (Street Number and Street Name only).

46 Saratoga Avenue

Q_565 Project City

South Glens Falls

Q_972 Project county or counties.

Saratoga

Q_568 Project State

NY

Q_572 Project Latitude (This questions value will be filled automatically, based on the project address, when the application is finalized.)

43.297013

Q_573 Project Longitude (This questions value will be filled automatically, based on the project address, when the application is finalized.)

-73.633460

Q_1034 Project ZIP Code. (please use ZIP+4 if known)

12803

Basic

General Project Information

Q_550 If you are a DBA, what is your DBA name?

Not Applicable

Q_549 Type of Applicant (select all that apply)

Village

Q_556 Select an applicant ID type from the list below that you normally use to identify your organization on application forms.

Federal Tax ID Number

Q_2655 Based on your selection from the previous question, enter your applicant ID number. (Please do not provide your social security number).

14-6002450

Q_969 If you are a business, have you been certified as a New York State Minority or Women-owned Business Enterprise (MWBE)?

N/A

Applicant

	Answer
Legal Name	Village of South Glens Falls
Applicant First Name	Harry
Applicant Last Name	Gutheil
Street Address	46 Saratoga Ave
City	South Glens Falls
State	NY
Zip Code (use ZIP+4 if known)	12803

Contacts

Primary Contact	Contact Authorized to Execute Contract if Awarded	Additional Contact
Ms.	Mr.	Mr.
Shannon	Harry	Roberto
Kelleher	Gutheil	Flores
Clerk-Treasurer	Village Mayor	Project Engineer
Village of South Glens Falls	Village of South Glens Falls	Delaware Engineering, DPC
46 Saratoga Ave	46 Saratoga Ave	28 Madison ave ext
South Glens Falls	South Glens Falls	Albany
NY	NY	NY
12803-1341	12803-1341	12203-5339
518-793-1455	518-793-1455	518-452-1290
clerktreasurer@ sgfny.com	mayor@ sgfny.com	rflores@ delawareengineering.com
	Ms. Shannon Kelleher Clerk-Treasurer Village of South Glens Falls 46 Saratoga Ave South Glens Falls NY 12803-1341 518-793-1455 clerktreasurer@ sgfny.com	Ms.Mr.ShannonHarryKelleherGutheilClerk-TreasurerVillage MayorVillage of SouthVillage of South GlensGlens FallsFalls46 Saratoga Ave46 Saratoga AveSouth Glens FallsSouth Glens FallsNYNY12803-134112803-1341518-793-1455518-793-1455clerktreasurer@ sgfny.commayor@ sgfny.com

Q_4199 Please select the primary sector or characterization that best defines this project.

Water/Wastewater/Sewer

Q_4198 Please select the secondary sector or characterization that best defines this project.

Energy

Project Description

Q_575 Project Description. Concisely describe the project, indicating the location, what will be planned, designed, acquired, and/or constructed, the issues/opportunities to be addressed, and expected outcomes and deliverables. Additional details will be collected later in the application process.

The Village of South Glens Falls water system has approximately 1,700 service connections serving a total population of 3,700. The main water source for the Village consists of 20 shallow spring wells which have been recorded to repeatedly fail to meet water demands in the summer months. Alternatives to increase the water source capacity of the Village have been examined and pursued in the past. Currently only commercial customers are metered. This accounts for 10% of the system users. The NYS Department of Environmental Conservation along with the NYS Department of Health have recommended that the Village take action to meter the remaining connections to better monitor usage and identify leaks.

The Village intends to install new meters on all residential customer services and replace existing commercial customer meters. The metering technology chosen will help the Village save labor time, prevent recording errors, minimize wear and tear on vehicles, minimize the need for Village employees to go on private property and identify potential water main leaks earlier. The purpose of the project is to conserve water and energy and aid in tracking water usage and potential leaks

Q_976 Statement of Need

According to the US Census (2015 ACS), it is estimated that 66.8% of the persons residing in the Village are considered low- to moderate-income. The Village has one of the lowest median incomes (\$40,216 in 2017) in Saratoga County. This shows a documented economic need for funding assistance. Infrastructure improvements help promote economic advancement and job growth in small communities in Upstate New York, like South Glens Falls.

The Village's NYS DEC Water Withdrawal Permit states that the Village must meter all customers within a 5-year time frame. The subsequent Engineering Report included with this funding application outlines a 2-year plan to meter all unmetered customers and upgrade to an advanced meter technology which will help conserve water and energy leading to lower water rates for low- and moderate-income water customers.

Q_2366 How does your project align with the Regional Economic Development Council's Strategic Plan/Upstate Revitalization Initiative Plan? (strategic plans are located at <u>https://regionalcouncils.ny.gov/</u>)

Improvements to the water system are required for revitalization of the Village main street/downtown areas. The project aligns with the goal of improving key infrastructure to make the Village, and therefore the Capital Region, more business ready. High quality water service is essential for economic development, energy efficiency and job growth.

This project can indirectly impact economic opportunities and revitalization priorities through increased water quality in the area. The provision of sound public infrastructure also encourages private investment in the community which will foster sustainability and revitalization. With job growth, the community will have increased diversity in employment opportunities.

Q_930 Explain what makes your project a regional economic priority - for example creates jobs, economic investment, sustainability and community revitalization, government efficiency or consolidation etc.

Funding for the Village of South Glens Falls supports sustainability and community revitalization along with government efficiency. Engineering, planning, and subsequent construction of a solution for better water service is a priority because it can assist the Village in controlling costs by increasing meter reading accuracy and can serve as an example for surrounding municipalities.

Sustainability, community revitalization, and government efficiency will all be fulfilled with the implementation of the proposed project. Improved water metering, comprising installation of state-of-the-art meters will benefit the surrounding environment. Benefits to public health will be seen through improved drinking water throughout the Village. Improved water quality can lead to increased business opportunities for the community. Q 9527 Does your project advance downtown revitalization and strategic community investment?

Yes

Q_9528 If Yes, please detail how it will advance downtown revitalization and strategic community investment.

The proposed project improves municipally-owned infrastructure within the Village of South Glens Falls. This can indirectly impact economic opportunities and revitalization priorities through increased water quality in the area. The provision of sound public infrastructure also encourages private investment in the community which will foster sustainability and revitalization. With job growth, the community will have increased diversity in employment opportunities.

Q 9531 Does your project incorporate environmental justice practices?

Yes

Q_9532 If Yes, please detail how it will incorporate environmental justice practices.

As with all projects initiated by the Village of South Glens Falls, the proposed project will incorporate environmental justice practices where and when applicable. The Village strives to ensure that all residents, regardless of race, color or income will benefit from the proposed project and will have an opportunity to compete for the temporary construction jobs that will come with the project. Improvements to the Village water system will benefit all residents and have a positive impact on business growth and economic activity.

Q_3762 Does your project directly address the needs of people in your region who are living in poverty and who seek resources for inclusion in the economic life of New York State?

Yes

Q_4200 Does your project provide opportunities for Veterans' to participate in the workforce, or improve services to the Veterans' and military families in New York?

Yes

Q_4201 If Yes, please explain how your project impacts the Veterans' and military families in New York.

Approximately 200 (2017 American Community Survey) Veterans reside in the Village of South Glens Falls, or over 5% of the approximately 3,600 residents. Improving the water infrastructure will enhance the lives of Veterans and their families byproviding them with safe, clean and reliable water services.

In addition, as part of the NYSEFC funding requirements, some of the construction and construction inspection work may be completed by veteran-owned businesses in NYS.

Q 929 Current State of Project Development (i.e. planning, preliminary engineering, final design, etc.

Preliminary Engineering

Q_975 Estimated Project Timeline: including project start/completion dates, estimates for design, permitting and construction or other major steps. (You may enter N/A for non-Project related applications)

Submit CFA Application February 2021 Award Announcements April 2021 Complete SEQR & SHPO as needed April 2021 Regulatory Review & Approval July 2021 Bidding & Award of Installation Contract December 2021 Installation Start February 2022 Installation Complete December 2023

Q_580 Provide a list of all federal, state, and local reviews, approvals, or permits needed or completed, including the dates when they are expected to be completed or were completed. If Not Applicable, indicate "NA".

Due to the nature of the proposed GIGP project, limited approvals are required from NYSDEC and NYSDOH, but no other federal, state or local permits are needed. Any other approvals required by the GIGP program will be secured as necessary.

Q_2364 What is the status of State and/or Federal Environmental Review? If review of the project is underway or completed pursuant to the State Environmental Quality Review Act (SEQRA) or National Environmental Policy Act (NEPA), please indicate the lead agency (if applicable).

Not Applicable

Q_1054 If National Environmental Policy Act (NEPA) Record of Decision has been issued, please explain (include date of Record of Decision).

NEPA is Not Applicable to the proposed project.

Prior CFA Funding

Q_2362 If funding was awarded in prior CFA rounds, what were the CFA numbers for which funding was awarded? (separate multiple CFA numbers with commas)

41300 (WW EPG)

Q_4160 For each program to which you are applying under the CFA, explain your strategy for proceeding if the full amount of requested funding, required matching funds, and temporary financing are not secured as expected, or committed sources become unavailable. This explanation must address any proposed project phases, and both CFA and non-CFA sources of funds.

The Proposed Project is the only CFA application the Village is pursuing at this time. The Village approaches planning for opportunities such as this as a long-term commitment to the overall vitality of the community. CFA funds to complete the project are one step in a long-term, measured approach to economic and sustainability planning. If CFA funds are not secured in this round for the project, the Village will attempt to secure CFA funds in a future round. However, the Village has demonstrated significant interest in these efforts; as a result, there is reason for optimism with respect to future grant funds. The Village is expected to meter the entire water system in a 5-year period and will continue to search

for funding for the required meter installation project.

The Village is ready to initiate the project upon successfully obtaining funding. Preliminary design and cost estimates have been produced by the Village's engineer, who will also assist in bidding and construction phases of the proposed project. Funds would be required by the end of 2021 in order to meet the timeline specified above. If CFA funds are not secured in this round, the Village will attempt to secure CFA funds in a future round. The Village is committed to providing the matching funds required by the GIGP program.

Standard Question

Green Innovation Grant Program (Efficiency)

Median Household Income (MHI)

Q_11983 What is the median household income of the municipality that most accurately represents the location of the proposed project.

\$40,216

Q_11871 If this project is being constructed in conjunction with an EFC financing, please provide the CWSRF project number associated with the EFC financing.

Not Applicable

Q_11972 Please enter the DUNS number for the Unit of Government serving as the Applicant. https://www.dnb.com/duns-number.html

050623057

Q_11984 Are the GIGP components of this project part of a larger transformative project?

Yes, the Village has recently undertaken water improvement projects including replacement of water mains and the water tank, funded through USDA, DWSRF and WIIA.

Q_10058 How does your project utilize additional resources such as co-funding, public/private partnerships, investment, collaboration, etc.?

The proposed Water Meter Upgrade Project is part of a larger transformative project. The Village has been working hard to improve the water treatment and distribution system. A large water improvement project was just undertaken by the Village and is funded through the NYSEFC DWSRF grant program, the WIIA grant program and USDA.

The project will need sign off from the Village Board, NYSDOH, NYSDEC, NYSEFC, and the Saratoga County Department of Health and may require sign off from various other applicable agencies. The Village will coordinate closely with all involved and interested agencies as necessary and required by the GIGP program.

Q_898 Have project measures, equipment, or scope of work been identified?

	Yes
Q_1137	Have the measures already been installed?
	No
Q_11976	Number of new and/or replaced water meters?
	1700
Green Inno Limit all res	vation Grant Program Metrics: Provide applicable water quality benefits for your project. sponses to two decimal places.
Q_11958	Gallons / Year Potable Water Saved
	0
Q_11959	Gallons / Year of Water Reused
	0
Q_1139	If known, please enter the estimated annual kW savings that will be generated through the project.
	0
Q_1140	If known, please enter the estimated annual MMBtu savings that will be generated through the project.
	0
Q_1141	If known, please enter the estimated annual kWh savings that will be generated through the project.
	0
Q_1296	Explain any additional water quality benefits provided by your project.

The water production in the Village is almost twice the wastewater flow that gets collected and pumped to the City of Glens Falls WWTP. The average water use in the Village is 521, 900 gallons per day (gpd) and the wastewater flow from the same service area averages 315, 000 gpd. The population served is approximately 3, 700. Reasonable water usage for an old water system with some leaks is 100 gpd per person. A 140 gpd per person water demand indicates that there are excessive leaks in the 100-year-old water system.

The Department of Environmental Conservation along with the Department of Health have emphasized that only 10% of the existing connections are metered. The metered connections are mainly commercial services. It has been recommended that the Village take action to meter the remaining connections to better monitor usage and identify leaks. As a requirement of the Water Withdrawal permit, the Village must submit a plan to meter all unmetered customers.

Q_6002 What is the name of the waterbody that will be restored or protected by this project?

The Hudson River (1101-0005) will be protected as a result of the proposed project. The Village of South Glens Falls sends wastewater to the City of Glens Falls. Water savings and efficiency will lead to less loadings at the Glens Falls WWTP which discharges to the Hudson River.

Q_2967 How will your project address and demonstrate solutions to regional water quality issues?

This project will address and demonstrate solutions to regional water quality issues by reducing water use and sewage flows and in turn reducing the pollutant load to the City of Glens Falls Wastewater Treatment plant and the Hudson River. The water production in the Village is almost twice the wastewater flow that gets collected and pumped to the City of Glens Falls. The average water use is 521, 900 gpd and the wastewater flow from the same service area averages 315, 000 gpd. The population served is approximately 3, 700. Reasonable water usage for an old water system with some leaks is 100 gpd per person. A 140 gpd per person water demand indicates that there are excessive leaks in the 100-year-old water system. A typical unmetered residential customer currently pays \$250 per year for water service. The median household income in the Village is \$40, 216, which is well below the New York State median household income.

Q_6648 Describe your plan for the long-term operation and maintenance of the project. Provide a detailed explanation of the workforce, funding, frequency and maintenance activities that will ensure the success of the project throughout its estimated useful life.

The water system is maintained by the existing Village DPW department, including a certified full-time Operator and supported by DPW laborers and equipment operators, as needed. The Village DPW Department will continue to monitor, repair and replace meters as needed.

With the use of a team of qualified professionals including engineers and attorneys, the Village of South Glens Falls will implement the grant-funded plans and ensure operation and maintenance of the resulting infrastructure.

The Village Board of the Village of South Glens Falls will be responsible for administering the GIGP Grant supported by the Village Clerk and other Village administrative staff. The Village has the administrative capacity to administer the GIGP Grant. Specifically, the Village Board will approve all contacts, which will be executed by the Mayor. Accounting will be provided by the Village Clerk and Village administrative staff with oversight by the Mayor and/or a designee on the Village Board. The Mayor will supervise the consulting engineer that will provide project management and engineering services. Over the years, the Village of South Glens Falls has worked with a number of qualified engineering firms for the sewer system and other Village infrastructure. In securing professional services, the Village receives qualifications, conducts interviews with prospective firms and confirms references. Currently, Delaware Engineering, D.P.C. is assisting the Village with this grant application. Delaware Engineering, D.P.C. has a 30-year history of providing professional engineering services focused on municipal infrastructure, specifically water and wastewater systems. The firm is licensed to practice engineering in the State of New

York and employs a staff of over 60 professional and technical personnel, including licensed professional engineers that specialize in wastewater engineering. Delaware Engineering has worked for municipalities in Saratoga County for many years and has successfully planned and implemented a number of water infrastructure projects. To complete this project, it may be necessary to secure the services of a meter installation contractor. These consultants/contractors will be required to demonstrate proficiency in their respective fields and provide references for similar work. Village procurement policy will be followed unless a funding source requires a different process in which case the procurement process required by the funding source will be applied. Contractors will be required to demonstrate proficiency, provide bonds and insurance, and provide references for similar work. Bidding, if required, will take place in accordance with all applicable laws and regulations including but not limited to New York State General Municipal Law Section 101 and 103.

Q_10057 Give a detailed explanation of your plan for outreach and educational opportunities related to your project.

The Village intends to hold public meetings and information sessions when possible to seek input and provide updates as to the progress of the project. Meetings will build awareness of the community's existing infrastructure, condition, needs and alternatives. The Village will continue to engage the public and stakeholders through new design and construction projects in the future. Public presentations may be planned throughout the life of the project.

Q_10061 Estimated Service Life

20 Years

Smart Growth

Smart Growth Questions:The NYS Smart Growth Public Infrastructure Policy Act requires that a project meet the relevant smart growth criterion to the extent practicable. Please respond to the questions below regarding smart growth criteria.

Q_1059 Does the proposed project use, maintain, or improve existing infrastructure? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project will improve existing infrastructure by adding new water meters and replacing or upgrading old water meters that have come to the end of their useful lives.

Q_1060 Is the proposed project located in a municipal center? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project is located in the Village of South Glens Falls. Many Villages in Upstate New York and the Adirondack Region are characterized by compact development usually centered on transportation, such as the Northway and State Route 9, and natural features, such as the Hudson River.

Q_1061 Is the proposed project located in a developed area or an area designated for concentrated infill development in a municipally approved comprehensive land use plan, local waterfront revitalization plan and/or brownfield opportunity area plan? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project is located in the developed area of the Village of South Glens Falls.

Q_1062 Will the proposed project protect, preserve and enhance the State's resources, including agricultural land, forests, surface and groundwater, air quality, recreation and open space, scenic areas, and significant historic and archeological resources? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project will protect, preserve and enhance the State's resources, including agricultural land, forests, surface and groundwater, air quality, recreation and open space, scenic areas, and significant historic and archeological resources.

Agricultural Land: The project will not directly impact agricultural land. The project will have a positive impact on the environment through water and energy conservation.

Forests: The project is located outside of forested areas and will not have adverse impacts on any forested areas. The project will have a positive impact on the environment through water and energy conservation.

Surface and Groundwater: The proposed project will protect, preserve and enhance surface and groundwater quality. The project will have a positive impact on the environment through water and energy conservation.

Air Quality: The proposed project will not impact air quality. The project will have a positive impact on the environment through water and energy conservation.

Recreation and Open Space: The proposed project will not impact recreation and open space. The project will have a positive impact on the environment through water and energy conservation.

Scenic Areas: The project is located outside of designated Scenic Areas and will not have adverse impacts on any Scenic Areas. The project will have a positive impact on the environment through water and energy conservation.

Historic and Archaeological Resources: The project is not in proximity to any buildings or sites listed on the National Register. The project will not have adverse impacts on historic and archaeological resources. The project will have a positive impact on the environment through water and energy conservation.

Q_1063 Will the proposed project foster mixed land uses and compact development, downtown revitalization, Brownfield redevelopment, the enhancement of beauty in public spaces, the diversity and affordability of housing in proximity to places of employment, recreation and commercial development and the integration of all income and age groups? Y/N/Not Relevant. Please explain all responses.

The use of new and upgraded water meters by the Village of South Glens Falls can have far reaching benefits. Improvements to municipal water services can have indirect positive impacts on economic development which leads to downtown revitalization. The project will indirectly foster mixed land use/compact development, downtown revitalization, enhancement of public spaces, diversity and affordability of housing in proximity to employment, recreation and commercial development, and the integration of all income and age groups. The Village will use improved water meter technology to deliver better services to customers, regardless of race, age and income, while using less water. Water savings will lead to equity for all Village residents .

Q_1064 Will the proposed project provide mobility through transportation choices including improved public transportation and reduced automobile dependency?Y/N/Not Relevant. Please explain

all responses.

Not Applicable. The proposed project does not impact mobility through transportation choices including public transportation and reduced automobile dependency.

Q_1065 Will the proposed project involve coordination between state and local government and inter-municipal and regional planning? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project will involve coordination between state and local government and inter-municipal and regional planning. The Village of South Glens Falls intends to engage with the New York State Department of Health (NYSDOH) and New York State Department of Environmental Conservation (NYSDEC) to further protect the water supplies that are essential to the area. The Village will engage with NYSDOH and other agencies as appropriate throughout the planning process and beyond.

Q_1066 Will the proposed project involve participation in community based planning and collaboration? Y/N/Not Relevant. Please explain all responses.

Yes, the Village holds monthly public meetings where residents are able to voice their comments, concerns, opinions, acceptance of undertakings such as the proposed project. The Village will continue to utilize the Village web site for the promotion of existing and forthcoming programs, initiatives and community events. For projects such as this, the Village will notify all water customers of the changes to be made at their residence or business through mail, email, phone and word of mouth.

Q_1067 Will the proposed project ensure predictability in building and land use codes? Y/N/Not Relevant. Please explain all responses.

Not Applicable. The proposed project will not directly ensure predictability in land use codes.

Q_1068 Will the proposed project promote sustainability by strengthening existing and creating new communities which reduce greenhouse gas emissions and do not compromise the needs of future generations, by among other means encouraging broad based public involvement in developing and implementing a community plan and ensuring the governance structure is adequate to sustain its implementation? Y/N/Not Relevant. Please explain all responses.

Yes, the proposed project will promote sustainability by reducing water usage. The repair or replacement of old water meters and installation of new water meters will help the Village recognize and fix leaks and water main breaks faster and more efficiently. Residential and commercial customers will also be able to view consumption data which will enable them to make water use changes that will reduce water usage. Installing new metering technology will also help to reduce greenhouse gas emissions as DPW staff will not need to drive around the Village to manually read water meters. The reduction in water use will lead to chemical savings at the water treatment plant.

Q_6256 Will the proposed project mitigate future physical climate risk due to sea-level rise, and/or storm surges and/or flooding, based on available data predicting the likelihood of future extreme weather events, including hazard risk analysis data, if applicable?

Yes, the Village of South Glens Falls strives to mitigate future climate risk. The installation of new meters and replacement of old meters will not be impacted by sea-level rise, storm surges or flooding. All recommendations from NYSDEC to implement the proposed project with little to no impact on the environment and climate will be adhered to.

Certification

General Certifications

Q_1037 By entering your name in the box below, you certify and agree that you are authorized on behalf of the applicant and its governing body to commit the applicant to comply with the requirements of Article 15-A of the New York State Executive Law: Participation By Minority Group Members and Women With Respect To State Contracts by providing opportunities for Minority-owned Business Enterprise (MBE)/Woman-owned Business Enterprise (WBE) participation. You further certify that the applicant will maintain such records and take such actions necessary to demonstrate such compliance throughout the completion of the project.

Harry Gutheil, Mayor, Village of South Glens Falls

Q_1038 By entering your name in the box below, you certify that you are authorized on behalf of the applicant and its governing body to submit this application. You further certify that all of the information contained in this Application and in all statements, data and supporting documents which have been made or furnished for the purpose of receiving assistance for the project described in this application, are true, correct and complete to the best of your knowledge and belief. You acknowledge that offering a written instrument knowing that the written instrument contains a false statement or false information, with the intent to defraud the State or any political subdivision, public authority or public benefit corporation of the State, with the knowledge or belief that it will be filed with or recorded by the State or any political subdivision, public authority or public authority or public benefit corporation of the State, authority or public benefit corporation of the State Law.

Harry Gutheil, Mayor, Village of South Glens Falls

Green Innovation Grant Program Certifications

Q_1248 By entering your name in the box below, you agree on behalf of the applicant that, if Green Innovation Grant Program Assistance is provided for the project described in this Application, the applicant shall comply with all laws, regulations, provisions and guidance with respect thereto, including but not limited to the Clean Water Act, 33 U.S.C. 1251 et seq., Chapter 65 of the Laws of 1989, 6 NYCRR Part 649, and 21 NYCRR Part 2602, and/or the Safe Drinking Water Act, 42 U.S.C. 300f, et seq., Chapter 413 of the Laws of 1996, 10 NYCRR Part 53, and 21 NYCRR Part 2604.

Harry Gutheil, Mayor, Village of South Glens Falls

Net New Jobs

No job answers necessary due to your associated programs.

Qualified Investments

No investment answers necessary due to your associated programs.

Total Project Cost

Total project cost: \$1,885,000

Funding Requested from Program

Program	Amou	nt Requested
Green Innovation Grant Program (Efficiency)	\$	1413750

Program Budget

Green Innovation Grant Program (Efficiency)

Use	Source	Status	Amount	Indicate Source / Comments
Construction/Renovation	State	Anticipated	\$1413750	Anticipated NYSEFC GIGP Funding for purchase of Meters, Meter Parts and Equipment, and Software
Construction/Renovation	Local	Secured	\$50000	Village of South Glens Falls In Kind Services for Installation of Meters
Architectural/Engineering/Soft Costs	Local	Secured	\$170000	Village of South Glens Falls Cash Match for Engineering/Admin. Services
Construction/Renovation	Local	Secured	\$251250	Village of South Glens Falls Cash Match for purchase of Meters, Meter Parts and Equipment, and Software

Attachment Questions & Answers

Green Innovation Grant Program (Efficiency)

Engineering Report

Q_11989 An Engineering Report signed and stamped by a NYS registered Professional Engineer must be attached to the CFA. Please use the link in this question to access the EFC Engineering Report Outline. Should you already have an Engineering Report, you must ensure the energy efficiency information in Appendix A of the EFC Engineering Report Outline is included for energy efficiency projects. <u>https://nysefc.app.box.com/s/hhlfsnxke73t79ddniq84qzgakzhi8cs</u>

Q_11989 Village of South Glens Falls Water Meter Engineering Report 2.2021.pdf Download

Q_6946 Please provide Letters of Support for your project (if applicable). All letters should be scanned into a single PDF file and their total size cannot exceed 10 Megabytes (MB).

Legend

[x] = Expired Program

Q_11989 ENGINEERING REPORT

VILLAGE OF SOUTH GLENS FALLS WATER METER ENGINEERING REPORT

SARATOGA COUNTY, NEW YORK

PREPARED FOR:

VILLAGE OF SOUTH GLENS FALLS 46 SARATOGA AVENUE SOUTH GLENS FALLS, NEW YORK 12803

PREPARED BY:

DELAWARE ENGINEERING, D.P.C.

28 MADISON AVENUE EXTENSION ALBANY, NEW YORK 12203 (PHONE) 518 452-1290

FEBRUARY 2021

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FIGURES

Figure 1 Existing Water System Map

APPENDICES

- Appendix A NYSDOH Letter of Support
- Appendix B NYSDEC Correspondence
- Appendix C Capacity Development Program Form
- Appendix D Smart Growth Form

1 EXECUTIVE SUMMARY

The Village of South Glens Falls water system has approximately 1,470 service connections. Currently, 10% of the system is equipped with AMR meters (195) and the remaining residential services are unmetered.

The water production in the Village is almost twice the wastewater flow that gets collected and pumped to the City of Glens Falls Wastewater Treatment Plant. The average water use in the Village is 525,000 gpd and the wastewater flow from the same service area averages 315,000 gpd.

Furthermore, the main water source for the Village consists of 20 shallow spring wells which have been recorded to repeatedly fail to meet the Village's water demands in the summer months. The Village has back up wells that can provide up to 288,000 gpd based on installed pumps. Additionally, the Village can purchase water from the neighboring Town of Moreau utilizing their Inter Municipal Agreement.

The Department of Environmental Conservation along with the Department of Health have emphasized that only 10% of the existing connections are metered and urged the Village to take action to better monitor and calculate the Village's water needs.

By replacing older water meters that contain lead with new lead-free meters, a source of lead is removed from customers' water. The Village is therefore better able to comply with the USEPA Lead and Copper Rule.

Three alternatives are discussed herein. Alternative 1 examines replacing all the existing AMR meters and installing an AMI network and meters for all services. Alternative 2 assesses installing AMR meters on the remaining unmetered services. Alternative 3 is the no action option. It was determined that Alternative 1 had the largest upfront cost but can provide for long term energy and cost savings. Furthermore, there is the potential to conserve more water and provide efficiency benefits to the operations of the Water Treatment Plant and the Department of Public Works. Lastly, the AMI system will provide better water use analytics, and in turn increased safety for the Village residents and their properties.

Providing an AMR system village wide is estimated to cost \$1,885,000.

Additionally, each AMR meter would have an estimated monthly cost of \$0.85 to use the cellular communication system. For 1,470 meters, the monthly cost is estimated at \$1,249.50.

2 PROJECT BACKGROUND & HISTORY

2.1 Site Information

No ground disturbance is proposed or expected during water meter installation, therefore, geologic conditions and environmental resources are not applicable to this application.

2.1.1 Location

The Village of South Glens Falls (Village) is located in northern Saratoga County. The Village has a population of 3,700 and has approximately 1,470 service connections. The median household income is \$40,216 (ACS 2017).

2.1.2 Geologic Conditions

South Glens Falls is located within the Hudson-Mohawk Lowlands physiographic province. Bedrock in this province is primarily of sedimental origin. Surficial deposits in the eastern portion of Saratoga County are considered to be the material deposited a long time ago by a glacial lake. Soils are generally sandy and derived from the Hudson River alluvial plain or glacial deposits. Windsor soil is the major type of soil found in central area of South Glens Falls. These soils are very deep and excessively drained and have moderately coarse textured subsoil. The depth of the bedrock for this type of soils is greater than 60 inches. The highwater table is at an average depth of more than 6 feet. This type of soil is highly permeable.

2.1.3 Environmental Resources

The Village is bound by the Hudson River to the North and West. There are no other significant water features in or around the Village of South Glens Falls. According to the NYSDEC Environmental Resource Mapper there are State Regulated Freshwater Wetlands and NWI wetlands in the project area. There are no Significant Natural Communities in the project area but there may be rare plants and/or animals in the vicinity of the Village.

No adverse impacts are anticipated as a result of the proposed water meter installation project. No land will be disturbed during or after installation. Meters will be installed at residential homes and businesses within the Village limits.

2.1.4 Environmental Justice Areas

There are no Environmental Justice areas in the Village of South Glens Falls.

2.1.5 Flooding

The Village and subsequent water meter infrastructure are not located in a high-risk Flood Plain and flood-prone lands according to the FEMA Flood Map Service Center.

2.2 Ownership & Service Area

2.2.1 Existing Facilities & Present Condition

The Village of South Glens Falls water system is sourced by an array of 20 spring wells located along the Hudson River, with a total capacity of 800,000 gallons per day (gpd). Additional back up wells can provide an added 288,000 gpd of water to the system.

The Village's water treatment plant (WTP) has filters that meet the requirements for ground water under the direct influence of surface water (GWUDI). The capacity of the WTP is 850,000 gpd.

The average water demand in the Village is approximately 525,000 gpd and its peak demands exceeded 1,000,000 gpd on several days in 2020. However, typical peak flows are under 800,000 gpd.

The Village also has two interconnects with the Town of Moreau that can supply adequate flow and pressure for the whole Village. A one-million-gallon storage tank located behind Village Hall provides the daily storage and fire flow for the Village. The water distribution system consists of 4, 6 and 8-inch water mains. Most of the system is 80 to 100 years old.

Per Village of South Glens Falls Code, Village personnel have access to maintain and install water meters on residential and commercial properties.

2.2.2 Water System Management

The Village owns the service area which includes the whole Village. Figure 1 includes an Existing Water System Map. The water system is operated by a Certified Water Operator and two assistant Certified Water Operators.

Operator Name	Certification		
Richard Daley	IIA, IIB		
Alan Dubois (Assistant)	IIA, IIB, IIC, IID		
Jake Forte (Assistant)	IIA, IIB, IIC, IID		

2.2.3 Interconnect & Outside Users

The Water District encompasses the entire Village and matches the Village boundary lines so that all homes and businesses within the Village are served. No modifications to the Water District will be necessary as a result of the proposed project.

The Village also has two interconnects with the nearby Town of Moreau that can supply adequate flow and pressure for the whole Village.

2.2.4 Population Growth

The Village is not expected to see a substantial change in its population in the foreseeable future. The following population trends and growth were obtained from census.gov:

Year	2000	2005	2010	2015	2020	2025	2030	2035	2040
Population	3,384	3,490	3,524	3,586	3,658	3,731	3,805	3,882	3,959
% change	-	3.04%	0.96%	1.73%	2.00%	2.00%	2.00%	2.00%	2.00%

3 NEED FOR THE PROJECT

The existing water system serves an approximate 1,470 service connections and a total population of 3,700 people. Reasonable water usage for an old water system with some leaks is 100 gpd per person. A 140 gpd per person water demand indicates that there are excessive leaks in the 100-year-old water system.

The water production in the Village is almost twice the wastewater flow that gets collected and pumped to the City of Glens Falls wastewater treatment plant (WWTP). The average water use is 525,000 gpd and the wastewater flow from the same service area averages 315,000 gpd.

The main water source for the Village consists of 20 shallow spring wells which have been recorded to repeatedly fail to meet the Village's water demands in the summer months. The Village has back up wells that can provide up to 288,000 gpd based on installed pumps. Additionally, the Village can purchase water from the neighboring Town of Moreau utilizing their Inter Municipal Agreement.

The NYS Department of Environmental Conservation (NYSDEC) along with the NYS Department of Health (NYSDOH) have emphasized that only 10% of the existing connections are metered (195 out of 1,470). The metered connections are mainly commercial services. The NYSDOH has submitted a Letter of Support endorsing the proposed project (Appendix A). It has been recommended that the Village take action to meter the remaining connections to better monitor usage and identify leaks.

By replacing older water meters that contain lead with new lead-free meters, a source of lead is removed from customers' water. The Village is therefore better able to comply with the USEPA Lead and Copper Rule.

The Village water supply is a critical regional resource. The Village's population and the major employers depend on the water supply for providing safe and adequate water. The water supply is critical to maintaining economic development within the Village, and critical to public health and safety for the residents. The proposed project has been in development for some time and has been discussed at many open Village Board meetings. The project will positively impact a large number of Saratoga County residents.

A Village wide leak detection program was recommended to identify other high priority areas for water main replacement (Village of South Glens Falls Water System Improvements Engineering Report 2020).

The NYSDEC has specified that the entire Village system should be metered. As a requirement of the Water Withdrawal permit, the Village must submit a plan to meter all unmetered customers. A copy of this correspondence is included in Appendix B.

4 CAPACITY DEVELOPMENT

The Capacity Development Program Evaluation Form is included as Appendix C.

5 ALTERNATIVE ANALYSIS

5.1 Alternative 1 - AMI Water Meter Installation

5.1.1 Description

The Advanced Metering Infrastructure (AMI) system is an integrated system of water meters, endpoints, communication networks and data management technology that can empower water utilities with greater visibility across their system to make smarter, data-driven strategic decisions.

The water meters use cell signal to report the water use without the need of installing a tower or repeater antennas. This eliminates the need to for a person to manually read the water meter. However, the meters do have a local analog flow total that can be read to confirm the water use.

Items	Quant.	Unit.	Unit Price	Item Price
Mobilization and General Conditions	1	LS	\$50,000	\$50,000
Meters -3/4"	1220	EA	\$425	\$518,500
Meter Head only -3/4"	55	EA	\$300	\$16,500
Meters 1"	80	EA	\$600	\$48,000
Meters 1-1/2"	60	EA	\$1,200	\$72,000
Meters 2"	30	EA	\$1,500	\$45,000
Meters 3"	15	EA	\$4,000	\$60,000
Compound 4"	8	EA	\$5,000	\$40,000
Compound 6"	2	EA	\$6,000	\$12,000
Additional Shut off Valves -3/4"	1500	EA	\$250	\$375,000
Freeze Stop Line -3/4" or less	20	EA	\$150	\$3,000
Meter Pits (5/8 – 1" Meter)	10	EA	\$7,000	\$70,000
Replace Water Shut Off	35	EA	\$3,000	\$105,000
Additional Plumbing – Parts & Supplies	1	LS	\$50,000	\$50,000
Office Support and Software	1	LS	\$25,000	\$25,000
Contingency 15%	1	LS	\$225,000	\$225,000
Engineering 10%	1	LS	\$170,000	\$170,000
Total				\$1,885,000

5.1.2 Cost Estimate

5.1.3 Non-Monetary Factors

AMI systems utilize cellular communication to update the service's metering in 15-minute intervals providing the user and municipality the ability to observe and report active leaks.

The American Water Works Association (AWWA) reports that this technology can help reduce water consumption up to 20% upon full scale implementation of the system. Furthermore, leak detection can assist in locating cracks in old pipes to prevent hazardous pipe bursts and resolve labor intensive investigation and settlement of disputed bills.

Reduction in the municipality's water consumption would also result in a decrease of their electricity needs at the WTP by an analogous amount of up to 20%. The Village of South Glens Falls used a total of 290,840 KW in the year 2020. This project could realize a potential energy savings up to 58,168 KW (at \$0.14/KW approximately \$8,143 per year). The treatment equipment at the WTP could also see an extended lifespan with less daily operational wear and tear along with the reduced amount water treatment chemicals used.

Another advantage of the almost real time cellular communication is its ability to antiquate the commonly used Automatic Meter Reading (AMR) system which requires a laborer to drive down each road of the water system, and in some cases, walk up driveways to the housing of each meter. Municipalities could reduce traffic accident and slip injury risks for the DPW crew by limiting driving time and no longer requiring employees to walk up poorly maintained driveways, especially in the winter months. Providing a safe environment for their employees and residents should be of the outmost priority for any municipality. Furthermore, the DPW can conserve operating hours on the municipal vehicles and decrease harmful greenhouse gas emissions.

The AMI is an increased accuracy expandable system with room for growth in users and additional features to metering such as leak detection alarms, pressure and water quality sensors, and remote shut-offs.

5.2 Alternative 2 - AMR Water Meter Installation

5.2.1 Description

The Village could choose to install AMR meters in the Village. The AMR technology addresses the aging infrastructure challenges confronting many municipal water departments. AMR technology includes:

- Drive-by metering: After installing the reading device and software in a van or work truck, a meter reading crew can quickly obtain accurate meter readings simply by driving through a service area.
- Touch-read metering: For areas that are not conducive to vehicles, touching a hand-held meter reading device directly to the water meter sends a radio signal that automatically transmits meter data and stores it in the hand-held device.

However, the AMR technology discussed does not provide the benefits that come with the AMI remote and real-time metering. Additionally, the AMR system is aging and manufacturers are abandoning the product for the market preferred AMI. It is not recommended that the Village install AMR meters.

5.3 Alternative 3 – No Action

5.3.1 Description

The Village could choose to take no action and continue to run their water system unmetered.

This alternative is not recommended as it would continue to overwork the existing water infrastructure and would not help improve water or energy conservation within the system.

The Village will not realize the replacement of lead-free components in the water distribution system, which would result in better water quality to residents and businesses, if water meters are not replaced.

6 RECOMMENDED ALTERNATIVE

6.1.1 Basis of Selection

Alternative 1 is the recommended alternative. This has the most benefits to the water system now and the most versatility moving into the future. Additional commercial and residential meters can be added to the network as well as acoustic leak detection that can be installed in different configurations to monitor the water mains for leaks.

Ancillary to all of this will be the replacement of lead-free components in the water distribution system, which will result in better water quality to residents and businesses.

6.1.2 Cost Estimate

Alternate	Initial Project Cost	GIGP Fundir Requested (75%	ng Village Cash) Match (25%)
Alternate 1	\$1,885,000	\$1,413,750	\$471,250

7 PERMITTING & SEQR

The project will need sign off from the Village Board, NYSDOH, NYSDEC, NYS Environmental Facilities Corporation (NYSEFC), Saratoga County Department of Health and may require sign off from various other applicable agencies.

SEQR has not been conducted at this time. The Village will conduct SEQR as the project moves forward. The proposed project is anticipated to be a Type II Action under SEQR. All GIGP requirements will be followed.

8 PROJECT SCHEDULE

The timeline below summarizes the action dates for the identified short-term recommendations.

Submit CFA Application	February 2021
Award Announcements	April 2021
Complete SEQR & SHPO as needed	April 2021
Regulatory Review & Approval	July 2021
Bidding & Award of Installation Contract	December 2021
Installation Start	February 2022
Installation Complete	December 2023

9 Smart Growth Assessment Form

A Smart Growth Assessment form is included as Appendix D.

Figures

Figure 1 Existing Water System Map



Appendices

Appendix A NYSDOH Letter of Support



ANDREW M. CUOMO Governor HOWARD A. ZUCKER, M.D., J.D. Commissioner **LISA J. PINO, M.A., J.D.** Executive Deputy Commissioner

January 7, 2021

Mayor Harry Gutheil & Village Board Members South Glens Falls Village 46 Saratoga Avenue South Glens Falls, NY 12803

RE: South Glens Falls Village, PWSID# NY4500170 Endorsement of Proposed Meters

Dear Mayor Gutheil & Village Board Members,

This letter is provided as endorsement of the proposed installation of meters for customers served by the Village of South Glens Falls water system. Metering can effectively promote conservation, be used to track usage, and help with leak detection. The Department of Health supports metering of public water systems.

Please contact me at 518-793-3893 or <u>maria.oconnell@health.ny.gov</u> if you have any questions. Thank you.

Sincerely,

Maria O'Connell, P.E. Professional Engineer I

c: Rick Daley, South Glens Falls Village TJ Chagnon, South Glens Falls Village Anita Gabalski, NYSDOH Appendix B NYSDEC Correspondence

New York State Department of Environmental Conservation Notice of Incomplete Application - This is NOT a Permit



Application ID: 5-4144-00182/00003

Batch Number: 866383

Facility: Village of South Glens Falls Water Treatment Plant Beach Rd South Glens Falls, NY 12803

Applicant: VILLAGE OF SOUTH GLENS FALLS 46 SARATOGA AVE SOUTH GLENS FALLS, NY 12803-4837 Owner ID: 4997

Permit(s) Applied for: 1 - Article 15 Title 15 Water Withdrawal Public

Project Location: in MOREAU in SARATOGA COUNTY

Your application for Permit is incomplete. The following items are required: 1) Your application is not complete until a complete application is received by the NYS Dept. of Health.

2) Application signature

3) Further detail on application

Additional Information:

Mr. Flores,

The Water Withdrawal application that you submitted on behalf of the Village of South Glens Falls is incomplete. Please respond to the following items:

1. Did you submit an application to the NYS Department of Health?

2. The Water Conservation Program Form was not signed.

3. Please submit a Short Environmental Assessment Form for this action. The form can be found at: https://www.dec.ny.gov/permits/6191.html

4. You indicated that 10 percent of customers are currently being metered. The most recent permit for the Village contains a permit condition (#22) that states that all customers need to be measured.

A new Water Withdrawal permit for the whole system will contain a permit with the following language:

Customer Metering - Within one (1) year of the effective date of this permit, the permittee shall identify the number of customers that are currently metered, the number of customers that are not metered, and submit a multi-year plan to meter all un metered customers within five (5) years of the effective date of this permit. The permittee must achieve 100 percent customer metering within five (5) years of the effective date of this permit.

5. The 72 Hour Constant Rate Pumping Test report is lacking detail, please submit:

a. Geologic logs of the formation tapped by the production well.

b. Calculation of relevant aquifer properties (e.g., transmissivity, storage coefficients, safe yield).

c. Discussion of the pumping test including, but not limited to, monitoring points and data and recovery data.

Signature: Ben Shuls

Contact Person: BENJAMIN M SHUBERT NYSDEC 232 Golf Course Rd Warrensburg, NY 12885

Date: December 15, 2020

Telephone Number: 518-623-1281 benjamin.shubert@dec.ny.gov

Appendix C

Capacity Development Program Form

CAPACITY DEVELOPMENT PROGRAM

TECHNICAL, MANAGERIAL, AND FINANCIAL EVALUATION CRITERIA FOR: COMMUNITY PUBLIC WATER SYSTEMS

SYSTEM NAME:

Village of South Glens Falls

COUNTY: Saratoga County

PWSID #: <u>NY 4500170</u>

COMPLETED BY: Lindsay Allen, Delaware Engineering, DPC DATE: February 2, 2021

Technical Capacity

A. System Infrastructure

1. Does the system have as-built plans, drawings, or maps of its facilities including source, treatment, storage, and distribution?

	X	Yes		No		Not Applicable
	If the system	lacks certain	olans, ple	ease specify:		
2	Does the svs	tem have exa		n measureme	nts of all	main values and service shut
Ζ.	offs?			inneasureine	ints of all	main valves and service shut-
	X	Yes		No		Not Applicable
3.	Can the syste peak demand	em's pumping ds and require	, storage d distrib	and distributi ution pressure	on faciliti s?	es meet current normal and
	X	Yes		No		Not Applicable
4.	Does the sys	tem have a wa	ater cons	servation plan	?	
	X	Yes		No		Not Applicable
5.	Are all custor	mers on the w	ater syste	em metered?		
		Yes	X	No		Not Applicable
6.	Is the system system	n equipped wit uces or purcha	h "maste ases for e	r" meters that each source o	measure f water?	e the amount of water the
	X	Yes		No		Not Applicable

B. Source Water Evaluation

	1.	 Does the system have a copy of its Source Water Assessment? 						
		Х	Yes		No		Not Applicable	
	2.	Has a yield a	nalysis been c	lone for	the system's s	source?		
		X	Yes		No		Not Applicable	
	3.	Does the sys system's raw	tem have a de and finished v	scriptior water sto	n of the existin prage capacity	g source ?	-pumping capacity and the	
		Х	Yes		No		Not Applicable	
	4. pla	For groundwa ce?	ater systems, o	does you	ır system have	e a wellhe	ad protection program in	
		X	Yes		No		Not Applicable	
C.	Те	chnical Knov	vledge					
	1.	Has an evalu to reliably me	ation of the water the structure of the	ater syste I propose	em facilities be ed State and F	een cond Federal d	lucted with respect to its ability rinking water regulations?	
		X	Yes		No		Not Applicable	
		If system can	't meet regula	tions, ple	ease specify:			
	2.	Does the sys daily and mo	tem have mon nthly water pro	thly wate duction	er production for <u>each sour</u>	records c <u>ce</u> used l	or treatment records that show by the system?	
		X	Yes		No		Not Applicable	
	3.	Has an evalu of existing fa	ation been co cilities?	nducted	to document t	he condi	tion and remaining service life	
		X	Yes		No		Not Applicable	
	4.	Has the syster results?	em been cited	within th	e past two yea	ars for fa	iling to sample and report test	
			Yes	X	No		Not Applicable	
	5.	Has the syster result of a sa	em been cited nitary survey c	within th or other i	e past two yea nspection cor	ars for op Iducted b	perating deficiencies as a y the DOH?	
			Yes	Х	No		Not Applicable	

6. If you answered "Yes" to Questions 4 or 5, has corrective action been taken to correct all deficiencies?

Yes	No	Not Applicable	

D. Certified Operators

1. Does the water system have a certified water operator(s) and designated an operator in responsible charge?

x Yes	No
-------	----

2. If the water system does not have a state-certified water treatment operator, or lacks the necessary number of operators to safely and reliably operate the system, does the system have a plan to acquire the services of a (additional) state-certified operator?

	Yes		No	х	Not Applicable
--	-----	--	----	---	----------------

Managerial Capacity

A. Staffing and Organization

- 1. What type of training/continuing education did system personnel attend within the last two years (please specify)?
- 2. Who is responsible for policy and operational decisions for the water system (*name and title*)?

TJ Chagnon, DPW Superintendent & Harry Gutheil, Mayor

3. Who is responsible for ensuring compliance with state regulatory requirements (name and title)?

TJ Chagnon, DPW Superintendent & Harry Gutheil, Mayor

- 4. Who is responsible for approving expenditures (name and title)? TJ Chagnon, DPW Superintendent & Harry Gutheil, Mayor
- 5. For systems that contract for system operation or management: Does the system have a valid (signed) contract that summarizes the duties and responsibilities the contractor must provide to the system?

	Yes		No	Х	Not Applicable
--	-----	--	----	---	----------------

B. Ownership

	1.	<i>If the system</i> system?	is under temp	oorary ov	<i>vnership</i> , has	a future o	owner been found for the water	
			Yes		No	X	Not Applicable	
		If "Yes", who	will the future	owner b	e?			
	2.	<i>For systems operation:</i> Is the owner of	<i>that use, but c</i> there a valid lo the land or fac	<i>lo not ov</i> ong-term cilities es	<i>vn, land or fac</i> i contract (i.e. sential to the	<i>cilities tha</i> , lease) b operatior	at are essential to water system between the water system and n of the system?	
			Yes		No	X	Not Applicable	
	3.	<i>For systems</i> continuing sy his/her respo	<i>with a single p</i> /stem operatio onsibilities?	oroprieto n in the o	r: Does the sy event the owr	vstem hav ner becor	ve a contingency plan for nes incapable of carrying out	
			Yes		No	X	Not Applicable	
C.	Co	onsolidation/l	Restructuring	I				
	1.	Has the syste a) Incorpora	em examined t ating with an ex	he feasi kisting w	bility of: ater system ir	the imm	ediate proximity?	
			Yes		No	X	Not Applicable	
		b) Selling ow	nership to an e	existing	water system?	?		
			Yes		No	x	Not Applicable	
		c) Contracting for the management or operation of the system with an existing system or satellite management/operations agency?						
			Yes		No	Х	Not Applicable	
D.	Em	nergency/Disa	aster Respon	se Plan	6			
	1.	Has the syste	em developed	an Eme	rgency Respo	onse Plan	?	
		X	Yes		No		Not Applicable	
	2.	Does the Em	ergency Resp	onse Pla	an:			
		a) Designat	e responsible	personn	el in the even	t of an en	nergency?	
		X	Yes		No		Not Applicable	

	b) Provide for emergency phone and radio capabilities?							
			X	Yes		No		Not Applicable
		c)	Describe	public and hea	alth depa	rtment notific	ation pro	cedures?
			X	Yes		No		Not Applicable
	3.	Do (e.	es the syst g., emerge	tem have any ency water inte	emerger erconnec	ncy contract ag tions and alte	greemer rnative s	its under which it operates ources)?
			X	Yes		No		Not Applicable
Ε.	Wat	ter	System Po	olicies				
	1.	D	oes the sys	stem have a w	<i>ritten</i> Sy	stem Operatio	ons Man	ual or Policy?
			Х	Yes		No		Not Applicable
F.	Re	cor	d Keeping	I				
	 Does the system keep water utility records including: financial, regulatory, facility, operations and maintenance, data quality, Annual Water Quality Reports, and correspondence with the NYS Department of Health and/or local Health Departments (and where appropriate, the NYSPSC)? 							
			Х	Yes		No		Not Applicable
					<u>Finan</u>	cial Capac	<u>;ity</u>	
Α.	Bu	ldg	et Projecti	ion – Revenu	es and E	Expenses		
	1.	Do	es the syst	tem have a wa	ater budg	get?		
			X	Yes		No		Not Applicable
	2.		Are the sy expenses	vstem's annua as well as an	l water re ticipated	evenues suffic capital improv	cient to c vements	over the annual water ?
			Х	Yes		No		Not Applicable
	3.		Are the sy to cover a	vstem's water Il listed expen	rates, wh iditures f	nen combined or the water s	with oth ystem?	er revenue sources, sufficient
			Х	Yes		No		Not Applicable

4.	Does the system retain	n budget informatio	on for at least two years?
----	------------------------	---------------------	----------------------------

В.

C.

	x Yes No Not Applicable							
Re	eserves							
1.	Does the system have a reserve account (or funds within a reserve account) dedicated to:							
	a) Financing the emergency replacement of critical facilities in the event of their failure?							
	x Yes No Not Applicable							
	b) The maintenance of cash flow in the event of an unexpected funding shortfall?							
	x Yes No Not Applicable							
2.	If the system has a reserve account, how does it determine the amount to put into the account? x Fixed Amount Percentage of Revenues Percentage of Expenses Other (please specify)							
3.	 B. If the system has a reserve account, what type(s) of reserve account(s) does it have? Operation and MaintenanceX_Capital ProjectsDebt Service Other (please specify) 							
Ca	Capital Improvement Plan							
1.	How do you finance operation and maintenance costs (Check all that apply)?							
	Image: Market Scale Content of Surcharges Image: Surcharges Specify Image: Specify Image: Surcharge Specify Image: Specify Image: Specify							

2. How did you finance your LAST major repair or improvement?

Commercial bank loan	Bonds
<u> </u>	Other State or federal loan/grant program
Surcharge	Personal Capital
Reserve Account	Revenue from other business
Other (Please specify)	

3. What options do you have for financing your NEXT major repair or improvement?

		Commercial bank loan X Bonds X DWSRF X Other State or federal loan/grant program Surcharge Personal Capital Reserve Account Revenue from other business Other (Please specify) Example 1
D.	Wa	ater System Rates
	1.	Does the water system management review user fee, user charge, or rate system at least once every two years?
		x Yes No Not Applicable
	2.	What is the frequency of billing (e.g., 12, 6, or 4 times per/year)? 2 times/year
	3.	Where applicable, what are the system's water rates?
	4.	What are rates based on? Capital Improvement Plan and Annual Budget Annual Budget Only Cash on Hand Last year's expenses Not sure Other (Please)

5. What was the date of the last rate increase? -

END OF DOCUMENT

APPENDIX D Smart Growth Form



Smart Growth Assessment Form

This form should be completed by an authorized representative of the applicant, preferably the project engineer or other design professional.¹

Section 1 – General Applicant and Project Information

Applic Projec	ant: t Name:	Project No.:		
ls proj	ect construction complete? Yes, date:	□ No		
Please projec	including the location of t	he area t	he	
Section	on 2 – Screening Questions			
A. Prie	or Approvals			
1.	Has the project been previously approved for Env Corporation (EFC) financial assistance?	rironmental Facilities	□ Yes	□ No
2.	If yes to A(1), what is the project number(s) for the prior approval(s)?	e Project No.:		
3.	If yes to A(1), is the scope of the previously-appro substantially the same as the current project?	oved project	□ Yes	□ No

If your responses to A(1) and A(3) are both yes, please proceed to Section 5, Signature.

B. New or Expanded Infrastructure

1. Does the project involve the construction or reconstruction of new or expanded infrastructure?

Examples of new or expanded infrastructure include, but are not limited to:

- The addition of new wastewater collection/new water mains or a new wastewater treatment system/water treatment plant where none existed previously;
- An increase of the State Pollutant Discharge Elimination System (SPDES) permitted flow capacity for an existing wastewater treatment system; and OR

□ Yes □ No

¹ If project construction is complete and the project was not previously financed through EFC, an authorized municipal representative may complete and sign this assessment.

(iii) An increase of the permitted water withdrawal or the permitted flow capacity for the water treatment system such that a Department of Environmental Conservation (DEC) water withdrawal permit will need to be obtained or modified, or result in the Department of Health (DOH) approving an increase in the capacity of the water treatment plant.

If your response to B(1) is no, please proceed to Section 5, Signature.

Section 3 – Smart Growth Criteria

Your project must be consistent will all relevant Smart Growth criteria. For each question below please provide a response and explanation.

Does the project use, maintain, or improve existing infrastructure?
 □ Yes □ No

Explain your response:

- 2. Is the project located in a (1) municipal center, (2) area adjacent to a municipal center, or (3) area designated as a future municipal center, as such terms are defined herein (please select one response)?
 - □ Yes, my project is located in a municipal center, which is an area of concentrated and mixed land uses that serves as a center for various activities, including but not limited to: central business districts, main streets, downtown areas, brownfield opportunity areas (see <u>www.dos.ny.gov</u> for more information), downtown areas of local waterfront revitalization program areas (see <u>www.dos.ny.gov</u> for more information), areas of transit-oriented development, environmental justice areas (see <u>www.dec.ny.gov/public/899.html</u> for more information), and hardship areas (projects that primarily serve census tracts or block numbering areas with a poverty rate of at least twenty percent according to the latest census data).
 - Yes, my project is located in an area adjacent to a municipal center which has clearly defined borders, is designated for concentrated development in the future in a municipal or regional comprehensive plan, and exhibits strong land use, transportation, infrastructure, and economic connections to an existing municipal center.
 - Yes, my project is located in an area designated as a future municipal center in a municipal or comprehensive plan and is appropriately zoned in a municipal zoning ordinance
 - □ No, my project is not located in a (1) municipal center, (2) area adjacent to a municipal center, or (3) area designated as a future municipal center.

Explain your response and reference any applicable plans:

3. Is the project located in a developed area or an area designated for concentrated infill development in a municipally-approved comprehensive land use plan, local waterfront revitalization plan, and/or brownfield opportunity area plan?

□Yes □No

Explain your response and reference any applicable plans:

4. Does the project protect, preserve, and enhance the State's resources, including surface and groundwater, agricultural land, forests, air quality, recreation and open space, scenic areas, and significant historic and archaeological resources?

□Yes □No

Explain your response:

5. Does the project foster mixed land uses and compact development, downtown revitalization, brownfield redevelopment, the enhancement of beauty in public spaces, the diversity and affordability of housing in proximity to places of employment, recreation and commercial development, and the integration of all income and age groups?

□Yes □No

Explain your response:

6. Does the project provide mobility through transportation choices including improved public transportation and reduced automobile dependency?

□Yes □No □N/A

Explain your response:

7. Does the project involve coordination between State and local government, intermunicipal planning, or regional planning?

□Yes □No

Explain your response and reference any applicable plans:

8. Does the project involve community-based planning and collaboration?

□Yes □No

Explain your response and reference any applicable plans:

9. Does the project support predictability in building and land use codes?

□Yes □No □N/A

Explain your response:

10. Does the project promote sustainability by adopting measures such as green infrastructure techniques, decentralized infrastructure techniques, or energy efficiency measures?

□Yes □No

Explain your response and reference any applicable plans:

11. Does the project mitigate future physical climate risk due to sea-level rise, storm surges, and/or flooding, based on available data predicting the likelihood of future extreme weather events, including hazard risk analysis data, if applicable?

□Yes □No

Explain your response and reference any applicable plans:

Section 4 – Miscellaneous

1. Is the project expressly required by a court or administrative consent □ Yes □ No order?

If yes, and you have not previously provided the applicable order to EFC/DOH, please submit it with this form.

Section 5 – Signature

By signing below, you agree that you are authorized to act on behalf of the applicant and that the information contained in this Smart Growth Assessment is true, correct and complete to the best of your knowledge and belief.

Applicant:	Phone Number:
Name and Title of Signatory:	
Signature:	Date:

Q_6946 LETTERS OF SUPPORT



ANDREW M. CUOMO Governor HOWARD A. ZUCKER, M.D., J.D. Commissioner **LISA J. PINO, M.A., J.D.** Executive Deputy Commissioner

January 7, 2021

Mayor Harry Gutheil & Village Board Members South Glens Falls Village 46 Saratoga Avenue South Glens Falls, NY 12803

RE: South Glens Falls Village, PWSID# NY4500170 Endorsement of Proposed Meters

Dear Mayor Gutheil & Village Board Members,

This letter is provided as endorsement of the proposed installation of meters for customers served by the Village of South Glens Falls water system. Metering can effectively promote conservation, be used to track usage, and help with leak detection. The Department of Health supports metering of public water systems.

Please contact me at 518-793-3893 or <u>maria.oconnell@health.ny.gov</u> if you have any questions. Thank you.

Sincerely,

Maria O'Connell, P.E. Professional Engineer I

c: Rick Daley, South Glens Falls Village TJ Chagnon, South Glens Falls Village Anita Gabalski, NYSDOH