

## **Region**

Mid-Hudson

## **Questionnaire Questions & Answers**

### **Threshold**

#### **Engineering Planning Grant Program**

Q\_3891 Will this project address improvements to a publicly owned treatment works?

This answer cannot be modified.

**Yes**

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Q\_3918 Is this planning project in the 2015 Clean Water State Revolving Fund (CWSRF) Intended Use Plan (IUP) listed on the Annual Project Project Priority list?

This answer cannot be modified.

**No**

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Q\_1321 Are you a municipality as defined by 21 NYCRR 2602 New York State Clean Water Revolving Fund Regulations (<http://www.nysefc.org/DocumentCentral.aspx>)?

This answer cannot be modified.

**Yes**

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Q\_1397 Is this a planning project that will lead to either the restoration or protection of a surface waterbody?

This answer cannot be modified.

**Yes**

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Q\_3473 Is your municipality's median household income (MHI) equal to or less than \$65,000 according to the United States Census 2010?

This answer cannot be modified.

**Yes**

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Q 2192

Will the municipality provide a local match of at least 20% of the total cost of the planning project?

This answer cannot be modified.

Yes

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## Location

Q\_184 NYS Assembly District(s) where the project is located. (please enter a number between 1 and 150 that represents your Assembly District)

This answer cannot be modified.

103

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Q\_190 NY Senate District(s) where the project is located. (please enter a number between 1 and 63 that represents your Senate District)

This answer cannot be modified.

42

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Q\_565 Project City

This answer cannot be modified.

New Paltz

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Q\_568 Project State

This answer cannot be modified.

New York

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Q\_572 Project Latitude

This answer cannot be modified.

41.745093

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Q\_573 Project Longitude

This answer cannot be modified.

-74.083385

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Q\_616 For more than one project location, please provide full address(es) for each location. If Not Applicable, indicate "NA".

This answer cannot be modified.

NA - project is an engineering planning grant study of the entire Village of New Paltz sanitary sewer system.

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Q\_928 Project Street Address: if the project does not have a definite street address, please skip to "Project without a Street Address" below.

This answer cannot be modified.

[Project without a Street Address](#)

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Q\_971 Project Without a Street Address: please enter a description of the project location. Include project starting/ending street addresses, cities & zip codes if applicable.

This answer cannot be modified.

[Village of New Paltz - engineering planning grant to review entire Village sanitary sewer system](#)

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Q\_972 Project county or counties.

This answer cannot be modified.

[Ulster](#)

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Q\_1034 Project ZIP Code. (please use ZIP+4 if known)

This answer cannot be modified.

[12561](#)

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Q\_3527 US Congressional District where the project is located.

This answer cannot be modified.

[19th](#)

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## **Basic**

### **General Project Information**

Q\_550 If you are a DBA, what is your DBA name?

This answer cannot be modified.

[NA](#)

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Q\_549 Type of Applicant (select all that apply)

This answer cannot be modified.

[Village](#)

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Q\_556 Select an applicant ID type from the list below that you normally use to identify your organization on application forms.

This answer cannot be modified.

Duns Number

Q\_969

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

This answer cannot be modified.

N/A

Applicant

	Answer
<b>Legal Name</b>	This answer cannot be modified. Village of New Paltz
<b>Street Address</b>	This answer cannot be modified. 25 Plattekill Avenue
<b>City</b>	This answer cannot be modified. New Paltz
<b>State</b>	This answer cannot be modified. NY
<b>Zip Code (use ZIP+4 if known)</b>	This answer cannot be modified. 12561
<b>Telephone Number (include area code)</b>	This answer cannot be modified. 845-255-0130
<b>Email Address</b>	This answer cannot be modified. clerk@villageofnewpaltz.org

Contacts

	<b>Primary Contact</b>	<b>Additional Contact</b>
<b>First Name</b>	This answer cannot be modified. Tim	This answer cannot be modified. Kathryn
<b>Last Name</b>	This answer cannot be modified. Rogers	This answer cannot be modified. Doyle-Bunker
<b>Title</b>	This answer cannot be modified. Mayor	This answer cannot be modified. Village Clerk
<b>Street Address</b>	This answer cannot be modified. 25 Plattekill Avenue	This answer cannot be modified. 25 Plattekill Avenue
<b>City</b>	This answer cannot be modified. New Paltz	This answer cannot be modified. New Paltz
<b>State</b>	This answer cannot be modified. NY	This answer cannot be modified. NY
<b>ZIP Code</b>	This answer cannot be modified. 12561	This answer cannot be modified. 12561
<b>Telephone Number</b>	This answer cannot be modified. 845-255-0130	This answer cannot be modified. 845-255-0130
<b>Email Address</b>	This answer cannot be modified. mayor@villageofnewpaltz.org	This answer cannot be modified. clerk@villageofnewpaltz.org

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Q\_4199

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

This answer cannot be modified.

**Water/Wastewater/Sewer**

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Q\_4198

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

This answer cannot be modified.

**Community Development**

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Q\_3656

Is the project included in a NY Rising Community Reconstruction Program plan or a NY Rising Countywide Resiliency Plan?

This answer cannot be modified.

**Yes**

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Q\_3744

If the project is included in a NY Rising Community Reconstruction Program plan or a NY Rising Countywide Resiliency Plan, please indicate the planning committee name, project name, and location.

This answer cannot be modified.

**Ulster NYRCR Planning Committee, Inflow and Infiltration Investigation and....Repairs, New Paltz V.**

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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?

This answer cannot be modified.

**Yes**

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Q\_3763

How does your project seek to apply CFA funds for the purpose of eliminating barriers to skilled employment by poor people in your region, as identified by the Opportunity Agenda? Please describe any efforts to collaborate at the local or regional level (i.e. public, private, labor, philanthropic sectors).

This answer cannot be modified.

**Improvements to Village sewer facilities will remove barriers to skilled employment by persons in poverty by improving essential infrastructure. The Opportunity Agenda states that "some communities throughout the Hudson Valley have experienced high levels of poverty and unemployment". The MHREDC Opportunity Agenda addresses impediments to job growth in four areas including "(b) community revitalization focused in business districts". The existing Consent Order requires sewer infrastructure upgrades. Older parts of the sewer system coincide with downtown New Paltz - an model of compact development with an vibrant downtown, various housing types and employment.**

**Since SUNY New Paltz was approved for START-UP NY, wastewater facilities serving the campus must function well. START-UP NY will create sites for new and expanding business.**

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Q\_3764

How does your project build workforce development programs, improve physical infrastructure, and/or establish social services that connect people living in poverty in your

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region with skilled employment, in correspondence with the economic revitalization priorities, distressed community targets, and the industry growth areas identified in the Opportunity Agenda and Strategic Plan?

This answer cannot be modified.

The MHREDC Opportunity Agenda identifies impediments to job growth in four areas including (b) community revitalization focused in business districts. We will improve infrastructure to eliminate restrictions to economic growth in a primarily low and moderate income community.

During 2016 the Village will utilize OCR CDBG funds or Village funds to replace or rehabilitate sanitary sewers on 8 Village streets as required by the NYSDEC in the May 12, 2015 approval letter and the implementation schedule provided in the 120 Day Engineering Report. This is a short term response to the problem. This requested DEC Engineering Planning grant continues that effort by seeking a long term solution by defining a work scope to lift the Consent Order.

Proper functioning of our business district and preserving jobs depends on halting sewer overflows.

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Q\_3766

Is this a Global NY Project?

This answer cannot be modified.

Yes

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Q\_3768

If this is a Global NY Project, please describe how this project relates to the identified goals of your region's Global Marketing and Export Strategies as part of the Global NY initiative?

This answer cannot be modified.

This project directly benefits SUNY New Paltz as the Village's sewer system handles all its sewage. Since SUNY New Paltz was approved for START-UP NY, it is imperative that wastewater facilities serving the campus function well. START-UP NY will transform communities into sites for new and expanding business. Eligible businesses that align with the academic mission can locate on or near participating campuses and operate tax-free, spurring regional economic development. Businesses from around the world can operate tax free for 10 years. START-UP NY goals coincide with the Governor's Global NY initiative making global trade a new focus by encouraging deals between such startup companies and foreign markets.

This DEC Eng. Planning Grant moves us beyond short term compliance projects into a long term work scope to lift the Consent Order.

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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?

This answer cannot be modified.

No

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Q\_4201

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

This answer cannot be modified.

Not Applicable

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## 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.

This answer cannot be modified.

Since 2003 the Village has spent over \$2.8 million (Village and CDBG) on short term Consent Order compliance efforts. We need to move beyond short term efforts and devise a long term comprehensive plan to lift the Consent Order. Presently we cannot take advantage of CWSRF financing for lack of a comprehensive work scope.

New Paltz cannot afford to replace/replace all of its deteriorated sanitary sewers within the collection system. It has been making progress toward reducing I&I by performing investigations of portions of the collection system suspected of excessive I&I. Based on the results, portions of the sewer system have been replaced or rehabilitated, i.e. short term compliance.

Our plan is to use the Engineering Planning Grant to identify all remaining deficient sewers and manholes and sources of I&I). Village will then prepare a comprehensive work scope to solve the I&I problem causing sewer overflows. CWSRF and USDA are possible funding sources. Without a comprehensive work scope we cannot quantify the tasks to be completed and provide the scope and associated costs for listing on the CWSRF.

Our Engineering Planning Grant work plan is described below:

The first part is conventional cleaning and televising of sanitary sewers/manholes to identify deficiencies and abnormalities causing the I&I which results in overflows and current Consent Order.

The second part is identification of sources of stormwater inflow during rainfall events and remediating through green infrastructure. We will focus on diversion of stormwater discharges away from the sewer system or low lying manholes into well designed infiltration systems. This DEC Planning Grant will formulate a grassroots effort to implement public outreach to alert property owners of green infrastructure alternatives for addressing stormwater issues and adverse impacts on the Walkkill River.

Total project costs are \$124,860 and \$99,888 is requested through this DEC Eng Planning Grant.

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Q\_976

Statement of Need

This answer cannot be modified.

The New Paltz sewer system serves all Village residents and SUNY New Paltz. The ongoing NYSDEC Consent Order dates to 2003. The Order reflected overflowing sewer manholes. The Consent Order was reissued in 2014 due continued overflows; it includes a compliance schedule defining projects to rehabilitate the collection system and alternative measures to eliminate I&I sources. The Village has been undertaking sewer rehabilitation projects since 2003 and is mandated to construct another project in 2016. This Planning Grant will provide a Village wide sewer investigation via TV investigations to identify deficient sewers/manholes that are sources of I&I.

New Paltz needs this Planning Grant to devise a comprehensive work scope to lift the Consent Order through direct replacement/rehabilitation of mains/manholes and green infrastructure.



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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.

This answer cannot be modified.

The goal of the Engineering Planning Grant is to complete investigations and formulate a construction scope and green infrastructure measures to eliminate sources of I&I causing sewer overflows and ultimately lift the Consent Order.

Since SUNY New Paltz was approved for the Start-UP NY program, it is imperative that our sewer facilities remain completely functional. Start-UP NY is transforming communities into tax-free sites for new and expanding businesses. Now businesses from around the world can operate tax free for 10 years. The goals of Start-UP NY coincide directly with Governor Cuomo's Global NY initiative making global trade a new focus by encouraging deals between such startup companies and foreign markets.

Our proposed project will foster job creation by making an economic investment through replacement of aging infrastructure.

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Q\_929

Current State of Project Development (i.e. planning, preliminary engineering, final design, etc. You may enter N/A for non-project related applications)

This answer cannot be modified.

N/A as we are proposing a planning and investigative activity.

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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)

This answer cannot be modified.

The anticipated schedule for this project is as follows: (1) Selection of Engineering Consultant - January 2016 to March 2016, (2) Investigation Scope Approval - April 2016 to May 2016, (3) Solicit Bids for Televising Sanitary Sewers - June 2016, (4) Televising Sanitary Sewers - July 2016 to September 2016, (5) Stormwater System Field Investigation & Public Outreach - July 2016 to October 2016, (6) Preparation and submission of engineer's report with finding/recommendations to DEC - November 2016 to January 2017.

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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".

This answer cannot be modified.

NA - no permits are required for sewer system planning and investigation.

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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).

This answer cannot be modified.

**NEPA - Exempt Activity, SEQRA - Type II Activity**

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Q\_1054

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

This answer cannot be modified.

New Paltz's proposed project can be classified as and Exempt Activity under NEPA as per 24CFR58.34 since it consists solely of the following type of activity: Environmental and other studies, resource identification and development of plans and strategies [58.34(a)(1)].

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## **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)

This answer cannot be modified.

**15043 and 27154**

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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.

This answer cannot be modified.

This planning and investigative project does not require funding beyond the DEC Engineering Planning Grant of \$99,888 and Village of New Paltz funds in the amount of \$24,972. Village funds are firmly committed to this project. Approval of the DEC Engineering Planning Grant is the only factor that will effect the Village's ability to proceed.

This proposed project cannot proceed without DEC Engineering Planning Grant funds. The Village is hardpressed to continue undertaking short term projects to comply with the 2014 Consent Order such as the latest remedial sewer main/manhole replacement and rehabilitation project on Elting Avenue, Lincoln Place, Lookout Avenue, Center Street, Bonticou View Drive, Fairview Avenue and Ridge Road. That project is approved by NYSDEC and must be completed by the end of October 2016 or the Village will face fines or penalties as required by the Consent Order.

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## **Standard Question**

### **Engineering Planning Grant Program**

Q\_3890

What type of wastewater infrastructure will be addressed with this engineering report? Select the project type that best describes your planning project.

This answer cannot be modified.

**Inflow and Infiltration**

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Q\_2622

Provide the population of the municipality applying for the grant. Cities and Villages should use municipal wide 2010 Census data. Towns and Counties should use the 2010 Census data for the area that is being served. In cases where the service area has not been established, provide an estimate for the envisioned service area.

[http://www.dec.ny.gov/docs/water\\_pdf/censusinstructions3.pdf](http://www.dec.ny.gov/docs/water_pdf/censusinstructions3.pdf)

This answer cannot be modified.

6818

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Q\_582

Estimated Service Life

This answer cannot be modified.

100 years for sanitary sewer mains and manholes.

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Q\_2193

What is the name of the surface waterbody that could be restored or protected as a result of the planning project? If known, provide the latitude and longitude of the discharge causing the water quality impairment.

This answer cannot be modified.

Walkkill River

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Q\_2194

Has the municipality applied for or received funding from other State or Federal agencies for the completion of an engineering report for the proposed project?

This answer cannot be modified.

No. The Village has used Village funds and NYS OCR CDBG funds to undertake replacement and rehabilitation of sewer mains as short term remedial efforts to comply with the Consent Order. However, the Village has not applied for funding from other State or Federal agencies for the completion of an engineering report for the proposed project, i.e. televising sewer mains to determine the extent of deterioration, stormwater system field investigation and public outreach.

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Q\_1324

Does the municipal system have a State Pollutant Discharge Elimination System (SPDES) permit?

This answer cannot be modified.

Yes

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Q\_1325

If your municipal system has a State Pollutant Discharge Elimination System (SPDES) permit, list the permit number.

This answer cannot be modified.

0030082

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Q\_1374

If the municipal system discharges to a State Pollutant Discharge Elimination System (SPDES) permitted facility controlled by another municipal entity (i.e., satellite collection system) describe any water quality impacts associated with the discharge.

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This answer cannot be modified.

NA

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Q\_1326

Is this planning project required by a State Pollutant Discharge Elimination System (SPDES) permit to protect the receiving water?

This answer cannot be modified.

Yes

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Q\_1330

Is this planning project required by an Order on Consent executed between the NYS Department of Environmental Conservation and the municipality?

This answer cannot be modified.

Yes

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Q\_1331

Is this planning project for the preparation of a Flow Management Plan as required by a State Pollutant Discharge Elimination System (SPDES) Permit?

This answer cannot be modified.

No

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Q\_4130

Is the planning project identified in a Total Maximum Daily Load (TMDL) Implementation Plan?

This answer cannot be modified.

No

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Q\_4131

If the planning project is identified in a Total Maximum Daily Load (TMDL) Implementation Plan, please identify the TMDL Implementation Plan?

This answer cannot be modified.

NA

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Q\_1332

Is this project for the planning of an upgrade to an existing collection and/or treatment system?

This answer cannot be modified.

Yes

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Q\_1333

Is the project for the planning of a new wastewater treatment and/or collection system to replace an existing municipal treatment and/or collection system?

This answer cannot be modified.

No

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Q\_1376

Is this project for the planning of a treatment and/or collection system for a currently unsewered area?

This answer cannot be modified.

No

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Q\_1461

Is the planning project part of a regional wastewater improvement effort?

This answer cannot be modified.

No

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Q\_4129

Is the project specifically identified in any of the following adopted plans? (check all that apply)

This answer cannot be modified.

Other

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Q\_3481

If the project is specifically identified in a formally adopted plan, provide the plan's title and date of publication. If available, provide the plan's web address/URL. If the project is not identified in any plan, in the answer box please answer "Not in any plan."

This answer cannot be modified.

Not in any plan

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Q\_1463

Describe how the public and stakeholders who will be affected by, or who can advance the project, will be engaged in project planning and implementation.

This answer cannot be modified.

Since the Village of New Paltz cannot afford to repair and replace all of its aging and deteriorated sanitary sewers in the collection system, it has been making progress toward eliminating the inflow and infiltration causing the sewer overflows by performing investigations of portions of the collection system suspected of receiving inflow and infiltration. Based on the results of these investigations, portions of the sewer system that require repair and or replacement due to the severity of deterioration are selected for capital construction projects by the Superintendent of Public Works and the Village's consulting engineer. The Village has performed televising and cleaning on a significant portion of its sanitary sewers and manholes in its collection system but over 16,000 feet of sewer and approximately 80 manholes still require investigation. Uploaded with this application is a map of all remaining sewers which will require investigation along with maps showing 2014-2015 locations of televising conducted with Village funds to comply with the Consent Order. It is the Village's intent to identify all remaining deficient sewers and manholes and sources of inflow and infiltration whether surface sources or subsurface sources. When these areas are identified, the Village will prepare a program for rehabilitating the subject areas and investigate funding opportunities. The funding opportunities will include but not be limited to listing on the NYSEFC Clean Water State Revolving Fund (CWSRF). Without a comprehensive work scope of remaining work to be completed, the Village cannot quantify the tasks to be completed and provide the scope and associated costs for listing on the CWSRF. With access to funding from NYSEFC, the Village will finally be in the position to address the remaining extraneous sources of I & I and terminate the Consent Order. If additional funding sources are identified after projects are developed, these sources will be pursued. One such possibility is USDA Water & Waste. That program is currently being used for a \$4,131,000 upgrade at the Village water treatment plant.

The proposed investigations for the remaining Village of New Paltz Sewer System will be twofold. The first component of the investigation will consist of conventional cleaning and televising sanitary sewers and manholes to identify deficiencies and abnormalities which are

the cause of inflow and infiltration into the sewer system that cause overflow in the sewer system that resulted in the Order on Consent. The results of the investigation will be presented to the Village on DVD as well as a hard copy summary of findings. These findings will be reviewed by the Superintendent of Public Works and the Villages Consulting Engineer to identify the following features.

- Longitudinal Cracks
- Circumferential Cracks
- Multiple Cracks
- Fractures
- Holes
- Pipe Sags
- Offset Joints
- Broken Joints
- Broken Pipe
- Root Penetrations
- Infiltration Stains
- Infiltration Runners
- Infiltration Gushers

Manholes in these specific sections of sewer will also be evaluated at the same time the cleaning and televising is reviewed for the sewer lines. Generally, the condition of each manhole will be evaluated along with the type of construction and most importantly, if there were any signs of infiltration.

The second component of the investigation will involve the identification of sources of stormwater inflow during rainfall events and remediating these inflows through green infrastructure construction. Identification of problem areas will include a field visual survey by the Department of Public Works and the consulting engineer. Specific items that will be focused on will be diversion of stormwater discharges away from the sanitary sewer collection system or low lying manholes and into accepted properly designed and constructed infiltration systems.

Areas identified as being areas that surcharge with runoff during storm events will be assessed on the areas feasibility of receiving green infrastructure stormwater management in the form of either of the following methods:

- Rain Gardens
- Bioretention Areas
- Vegetated Swales
- Dry Swales
- Porous Pavements

The planning grant will also be utilized to formulate a grassroots effort to implement a public

outreach program and alert property owners of green infrastructure alternatives for addressing stormwater issues and the impacts to water quality in the Village. Specifically the Village will outline these measures for the public on methods to reduce stormwater sources on privately owned properties creating inflow into the sanitary sewer system resulting in sewer overflows.

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Q\_1464

Describe how local officials are committed to this planning project and its future implementation.

This answer cannot be modified.

The Village of New Paltz sanitary sewer system lies within the corporate limits of the Village of New Paltz and serves the entire Village and the State University of New York @ New Paltz. The Village is comprised of approximately 5 square miles and has a sewer population of approximately 6,800 people. While the State University is in session, the population increases to approximately 13,000.

The sewer collection system consists of approximately 15 miles of pipe including four (4) inch to eighteen (18) inch diameter sewer mains, 4 pump stations and approximately 300 sanitary manholes. Sewer construction probably commenced prior to 1900 when a series of privately owned sewers were constructed through private properties and public right of ways for purposes of conveying sewage from upland residences and commercial establishments to the Wallkill River. Specific information regarding the construction of older portions of the sewer system is not available since it was constructed prior to approval authority from regulatory agencies. The earliest known report with an inventory of existing sewers and recommendations and upgrades in the collection system and construction of a "sewage treatment works" was prepared in April 1931. The majority of the existing sewer system consists of vitrified clay pipe with oakum and mortar joints and brick manholes with newer sections installed after the 1970's consisting of PVC sewer main and precast manholes.

The Village has had a long history of overflowing manholes during high flow and storm events. In the winter and spring of 2003, the Hudson Valley experienced unusually high frequency of severe storm events exhibiting excessive precipitation amounts and high groundwater elevations during this period. The unusually high precipitation amounts in conjunction with aging sewers, undersized sewage conveyance pipes and siphons, sanitary sewage from the entire Village sewer collection system was unable to discharge into the sewer treatment facility located off of Huguenot Street and overflowed onto the ground surface at various locations in the Villages sewer collection system. As a result, the entire Village was impacted by this public health threat.

In response to these incidents, Riverkeeper issued a Notice of Intent to Sue the Village of New Paltz for Clean Water Act Violations and the New York State Department of Environmental Conservation (NYSDEC) issued an Order on Consent to the Village of New Paltz which was executed by the Village of New Paltz on September 7, 2003. The Order reflects overflowing sewer manholes in violation of Sections 17-0501, 17-0505 and 17-0803 of the New York State Environmental Conservation Law.

The Order outlined a Remediation /Restoration Schedule which the Village has been adhering to the best of its capabilities to reduce inflow and infiltration throughout its sanitary sewer collection system as evidenced by six projects to replace and rehabilitate sanitary sewers and manholes since 2008 at a cost in excess of \$2.8 million. The latest remedial sewer construction project currently in the design phase includes the rehabilitation via lining or direct replacement of severely deteriorated sanitary sewers and manholes on Elting Avenue, Lincoln Place, Lookout Avenue, Center Street, Bonticou View Drive, Fairview Avenue and Ridge Road. This project is approved by the YSDEC and must be completed by the end of October 2016 or the Village will face fines or penalties as required by the Order on Consent.

Even though the Village has focused its efforts over recent years and expended large sums of capital on engineering designs and construction projects to eliminate the problem of



overflowing sewer manholes, the Village continues to experience overflowing sewer from manholes during extremely severe storm events. Most recently, while the 2003 consent order was still in effect, the Village Department of Public Works reported sewage erupting from 4 subject manholes cited in the original Consent Order on June 30, 2013 and August 9, 2013.

The NYSDEC responded by issuing a Notice of Violation on September 30, 2013 citing that on two separate occasions, raw sewage overflowed manholes on Water Street, Mulberry Street, Broadhead Avenue and Huguenot Street. This again was a violation of Article 17 of the Environmental Conservation Law making the Village of New Paltz subject to fines and penalties (Exhibit 3). The Notice of Violation also indicated that Village Officials including the Mayor and Superintendent of Public Works were required to attend a Technical Compliance Meeting on November 12, 2014 at the NYSDEC Offices in New Paltz New York. At this meeting, the aforementioned completed sewer projects were discussed and the Village presented the currently proposed project with its intended benefits for eliminating the incidents indicated in the Notice of Violation.

Following the Technical Compliance Meeting, The New York State Department of Environmental Conservation issued a new Order on Consent Case No. R3-20140430-71. The Order was executed by the Village of New Paltz on October 17th 2014 and by the New York State Department of Environmental Conservation on October 20, 2014. The newly issued Order on Consent outlined a new schedule of compliance which stipulates requirements for avoiding fines and penalties amounting to \$37,000.00 for each of the two (2) violations mentioned previously.

The Village "Respondent" was also ordered to pay thirty thousand dollars to the Department, \$5,000.00 of which was payable upon the Respondents return of the executed copy of the Order to the Department with the remaining \$25,000 to be suspended provided that the Respondent strictly adheres to the terms and conditions of the newly issued Order.

Attorneys for the Village negotiated a fine of \$5,000.00 but the requirements of the Order still remain standing and consist of a Schedule of Compliance that outlines remedial activities and milestones. In summary, requirements of this Schedule are as follows:

1. Cease and Desist- The Village shall cease and desist any future violation of the NYS Environmental Conservation Law e.g.-overflowing manholes.
2. Self-Certification- All items required by the Schedule of Compliance shall be certified that the work was completed by the date indicated in the Consent Order and that it was completed in a manner as required by the Order.
3. Remedial Activities and Milestones-This requirement is divided into three parts. A report of Non Compliance, A Corrective Action Plan and a Capacity Management, Operation and Maintenance Plan.

Since the Village of New Paltz cannot afford to repair and replace all of its aging and deteriorated sanitary sewers in the collection system, it has been making progress toward eliminating the inflow and infiltration causing the sewer overflows by performing investigations of portions of the collection system suspected of receiving inflow and infiltration. Based on the results of these investigations, portions of the sewer system that require repair and or replacement due to the severity of deterioration are selected for capital construction projects by the Superintendent of Public Works and the Village's consulting engineer. The Village has performed televising and cleaning on a significant portion of its sanitary sewers and manholes in its collection system but over 16,000 feet of sewer and approximately 80 manholes still require investigation. Attached is a map of all remaining sewers which will require investigation.

It is the Village's intent to identify all remaining deficient sewers and manholes and sources if inflow and infiltration whether surface sources or subsurface sources. When these areas are identified, the Village will prepare a program for rehabilitating the subject areas and investigate funding opportunities. The funding opportunities will include but not be limited to



listing on the NYSEFC Clean Water State Revolving Fund (CWSRF). Without a comprehensive work scope of remaining work to be completed, the Village cannot quantify the tasks to be completed and provide the scope and associated costs for listing on the CWSRF. With access to funding from NYSEFC, the Village will finally be in the position to address the remaining extraneous sources of I & I and terminate the Consent Order. Of course, if additional funding sources are identified after projects are developed, these sources will be pursued.

The proposed investigations for the remaining Village of New Paltz Sewer System will be twofold. The first component of the investigation will consist of conventional cleaning and televising sanitary sewers and manholes to identify deficiencies and abnormalities which are the cause of inflow and infiltration into the sewer system that cause overflow in the sewer system that resulted in the Order on Consent. The results of the investigation will be presented to the Village on DVD as well as a hard copy summary of findings. These findings will be reviewed by the Superintendent of Public Works and the Villages Consulting Engineer to identify the following features.

- Longitudinal Cracks
- Circumferential Cracks
- Multiple Cracks
- Fractures
- Holes
- Pipe Sags
- Offset Joints
- Broken Joints
- Broken Pipe
- Root Penetrations
- Infiltration Stains
- Infiltration Runners
- Infiltration Gushers

Manholes in these specific sections of sewer will also be evaluated at the same time the cleaning and televising is reviewed for the sewer lines. Generally, the condition of each manhole will be evaluated along with the type of construction and most importantly, if there were any signs of infiltration.

The second component of the investigation will involve the identification of sources of stormwater inflow during rainfall events and remediating these inflows through green infrastructure construction. Identification of problem areas will include a field visual survey by the Department of Public Works and the consulting engineer. Specific items that will be focused on will be diversion of stormwater discharges away from the sanitary sewer collection system or low lying manholes and into accepted properly designed and constructed infiltration systems.

Areas identified as being areas that surcharge with runoff during storm events will be assessed on the areas feasibility of receiving green infrastructure stormwater management in the form of either of the following methods:

- Rain Gardens
- Bioretention Areas
- Vegetated Swales
- Dry Swales
- Porous Pavements

The planning grant will also be utilized to formulate a grassroots effort to implement a public outreach program and alert property owners of green infrastructure alternatives for addressing stormwater issues and the impacts to water quality in the Village. Specifically the Village will outline these measures for the public on methods to reduce stormwater sources on privately owned properties creating inflow into the sanitary sewer system resulting in sewer overflows.

The ultimate goal of the Village of New Paltz is to complete these investigations to formulate a remedial conventional construction scope and green infrastructure measures based on the results to finally eliminate sources of inflow and infiltration causing sewer overflows causing a threat water quality and public health and ultimately lift the NYSDEC Order on Consent.

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Q\_370

Explain the strategy and resources for going forward after the project is complete; that is, for implementing grant-funded plans, developing and using grant-funded acquisitions, and maintaining grant-funded improvements.

This answer cannot be modified.

Even though the Village has focused its efforts over recent years and expended large sums of capital on engineering designs and construction projects to eliminate the problem of overflowing sewer manholes, the Village continues to experience overflowing sewer from manholes during extremely severe storm events. Most recently, while the 2003 consent order was still in effect, the Village Department of Public Works reported sewage erupting from 4 subject manholes cited in the original Consent Order on June 30, 2013 and August 9, 2013. Since the Village of New Paltz cannot afford to repair and replace all of its aging and deteriorated sanitary sewers in the collection system, it has been making progress toward eliminating the inflow and infiltration causing the sewer overflows by performing investigations of portions of the collection system suspected of receiving inflow and infiltration. Based on the results of these investigations, portions of the sewer system that require repair and or replacement due to the severity of deterioration are selected for capital construction projects by the Superintendent of Public Works and the Village's consulting engineer. The Village has performed televising and cleaning on a significant portion of its sanitary sewers and manholes in its collection system but over 16,000 feet of sewer and approximately 80 manholes still require investigation. Within our uploaded maps document is a map of all remaining sewers which will require investigation.

It is the Village's intent to identify all remaining deficient sewers and manholes and sources if inflow and infiltration whether surface sources or subsurface sources. When these areas are identified, the Village will prepare a program for rehabilitating the subject areas and investigate funding opportunities. The funding opportunities will include but not be limited to listing on the NYSEFC Clean Water State Revolving Fund (CWSRF). Without a comprehensive work scope of remaining work to be completed, the Village cannot quantify the tasks to be completed and provide the scope and associated costs for listing on the CWSRF. With access to funding from NYSEFC, the Village will finally be in the position to address the remaining extraneous sources of I & I and terminate the Consent Order. If additional funding sources are identified after projects are developed, these sources will be pursued. USDA Water & Waste might provide funding like it did for the Village's current \$4,131,000 project at our water treatment plant. However, that project was loan only and Village residents cannot afford additional borrowing at our population is 63% low and moderate income.

Q\_1434

Describe the administrative structures in place to administer the requested grant. Identify individuals who will be responsible for specific tasks, such as contract and grants administration, fiscal accounting, and project management. For those managers and professionals already hired, describe their qualifications. Summarize consultant selection process and schedule, noting whether it is completed, underway or proposed. For future hires, describe qualifications sought and procurement/hiring method.

This answer cannot be modified.

The following activities comprise the project budget (1) Maintenance & Protection of Traffic \$10,000, (2) Site Preparation and Maintenance Including Bypass Pumping \$7,500, (3) Cleaning and Inspection of Manholes \$11,550, (4) Cleaning and Televising 8" diameter to 12" diameter sanitary sewers \$48,810, (5) Offsite Transportation and Disposal of Debris \$4,000, (6) Stormwater System Field Investigation and Public Outreach \$22,000, (7) Contingencies \$10,000, (8) Engineering \$8,000 and (9) Administration \$3,000.

A detailed budget spreadsheet is available provided by our consulting engineer but there is no provision within this CFA application to upload that budget. That budget budgets investigation of 16,270 LF of sewer pipes and 77 manholes. Other items like "Maintenance & Protection of Traffic", "Site Preparation and Maintenance", "Disposal of Debris" and "Stormwater System Field Investigation and Public Outreach" are estimated as lump sums.

Total project costs are \$124,860. The project budget indicates \$99,888 from the DEC Engineering Planning Grant and \$24,972 from the Village of New Paltz. The local match is 25% of the grant request.

The administrative structure and procurement process will be dictated by the proposed work scope. We see the following procurement actions:

- Select engineering firm via a Request for Qualifications process to devise the study work scope, oversee sanitary system investigation and prepare the final report; and
- Solicit bids from qualified firms experienced investigating deteriorated sewer collection facilities inclusive of televising sewer pipes and manholes.

The Village has experience with this type of investigative work as it has been conducting such work since 2003 using Village funds, most recently in 2014-2015. The contractor most recently used for such work is a WBE contractor. That work was defined and overseen by the Village's consulting engineer, Brinnier & Larios, P.C., of Kingston, New York.

The likely schedule is as follows: (1) Selection of Engineering Consultant - January 2016 to March 2016, (2) Investigation Scope Approval - April 2016 to May 2016, (3) Solicit Bids for Televising Sanitary Sewers - June 2016, (4) Televising Sanitary Sewers - July 2016 to September 2016, (5) Stormwater System Field Investigation & Public Outreach - July 2016 to October 2016, (6) Preparation and submission of engineer's report with finding/recommendations to DEC - November 2016 to January 2017

Below are the two roles to be filled via a Request for Qualifications and/or bidding process:

Engineering Firm - to be selected via RFQ process in accordance with NYSDEC and Village procurement standards along with requirements for providing opportunities to MBE and WBE concerns; and

Sewer System Investigation - to be selected via bidding process in accordance with NYSDEC and Village procurement standards along with requirements for providing opportunities to MBE and WBE concerns.

Tasks and assignments during implementation are defined below:

Project Management - selected engineering firm;

Fiscal Accounting - Nancy Branco, Village Treasurer; and

Contract & Grants Administration - Kathryn Doyle-Bunker, Village Clerk.

Both the Village Treasurer and Village Clerk are experienced in administering CFA funded projects including 3 completed projects and 1 currently underway to replace/rehabilitate sanitary sewers on Plattekill Avenue.

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Q\_2516

Is the municipality submitting more than one application for the New York State DEC/EFC Wastewater Infrastructure Engineering Planning Grant program? If so, please list the proposed projects in priority order, 1 - highest priority, 2 - second priority and 3 - third priority and so forth.

This answer cannot be modified.

No

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Q\_1450

Will the proposed project result in the creation of construction jobs? If so, estimate the number of construction jobs to be created.

Enter zero if not applicable.

This answer cannot be modified.

0

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Q\_1459

Will the proposed project directly or indirectly result in the creation of permanent jobs? If so, estimate the number of permanent full-time equivalent jobs that will be created.

Enter zero if not applicable.

This answer cannot be modified.

0

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## 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.

This answer cannot be modified.

Yes - this project uses and improves existing infrastructure. The sewer collection system consists of approximately 16 miles of pipe consisting of four (4) inch to eighteen (18) inch diameter sewer mains, 4 pump stations and approximately 300 sanitary manholes. Sewer construction probably commenced prior to 1900 when a series of privately owned sewers were constructed through private properties and public right of ways for purposes of conveying sewage from upland residences and commercial establishments to the Wallkill

River.

The Village has had a long history of overflowing manholes during high flow and storm events. In the winter and spring of 2003, the Hudson Valley experienced unusually high frequency of severe storm events exhibiting excessive precipitation amounts and high groundwater elevations during this period. The unusually high precipitation amounts in conjunction with aging sewers, undersized sewage conveyance pipes and siphons, sanitary sewage from the entire Village sewer collection system was unable to discharge into the sewer treatment facility located off of Huguenot Street and overflowed onto the ground surface at various locations in the Villages sewer collection system. As a result, the entire Village was impacted by this public health threat.

In response to these incidents, Riverkeeper issued a Notice of Intent to Sue the Village of New Paltz for Clean Water Act Violations and the New York State Department of Environmental Conservation (NYSDEC) issued an Order on Consent to the Village of New Paltz which was executed by the Village of New Paltz on September 7, 2003. The Order reflects overflowing sewer manholes in violation of Sections 17-0501, 17-0505 and 17-0803 of the New York State Environmental Conservation Law.

This situation is still a critical concern as the Village Department of Public Works reported sewage erupting from 4 subject manholes cited in the original Consent Order as recently as June 30, 2013 and August 9, 2013. As a result, NYSDEC issued a Notice of Violation on September 30, 2013 citing that on two separate occasions, raw sewage overflowed manholes on Water Street, Mulberry Street, Broadhead Avenue and Huguenot Street (see upload at Q\_1496). The Village was again in violation of Article 17 of the Environmental Conservation Law.

Since the Village of New Paltz cannot afford to repair and replace all of its aging and deteriorated sanitary sewers in the collection system, it has been making progress toward eliminating the inflow and infiltration causing the sewer overflows by performing investigations of portions of the collection system suspected of receiving inflow and infiltration. Based on the results of these investigations, portions of the sewer system that require repair and or replacement due to the severity of deterioration are selected for capital construction projects by the Superintendent of Public Works and the Village's consulting engineer. The Corrective Action Plan was submitted on December 5, 2014 which outlined sewers to be investigated.

The aforementioned Engineering Report was submitted to the NYSDEC within the required timeframe and was approved on May 12, 2015. This approval specifically states "The proposed corrective action and implementation schedule contained in the report are hereby made part of the consent order". In other words, if the work outlined in the report are not completed within the approved schedule, the Village of New Paltz will be subject to the penalties and fines *stipulated in the consent order*. This short term scope of work must be bid by April 2016 and the sewer remedial work must be completed by October 2016.

As a short term requirement, the Village is required to replace or rehabilitate sanitary sewers and manholes on Elting Avenue, Fairview Avenue, Lincoln Place, Ridge Road, Lookout Avenue, Center Street and Bonticou View Drive as required by the NYSDEC in the May 12, 2015 approval letter and as per the implementation schedule provided in the 120 Day Engineering Report or be subject to fines and penalties stipulated in the Order on Consent.

Through the present CFA 2015 Engineering Planning Grant, the Village is pursuing the long term goal of lifting the Consent Order by devising a comprehensive work scope to implement a prioritized work scope that would result from the Engineering Planning Grant Investigation. The report that would result from the Engineering Planning Grant would be used to approach the NYSEFC and/or USDA for funding a comprehensive project that would result in lifting the Consent Order (2003 original reissued in 2014) that the Village has been under for over 12 years.



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Q\_1060

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

This answer cannot be modified.

Yes - New Paltz was founded in 1678 and was incorporated as a Village in 1887. New Paltz Village has long been a commercial, residential and higher education center. The Village is comprised of approximately 5 square miles and has a sewer population of approximately 6,000 persons. While the SUNY New Paltz is in session, the population increases to approximately 13,000. The State University at New Paltz serves as a regional education and cultural center. The Village serves as the social, commercial and community core of the Town of New Paltz and other surrounding Towns. The commercial core of New Paltz serves as a regional shopping center for neighboring municipalities. NYSDEC has designated the Village of New Paltz as a potential Environmental Justice area and is a concentration area of low and moderate income persons (63% in 2010).

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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.

This answer cannot be modified.

Yes - the Village is designated for concentrated infill development in an approved comprehensive plan. The plan is the Comprehensive Master Plan for the Village of New Paltz adopted on June 7, 1994.

Our benefit area for this proposed CFA DEC Engineering Planning Grant is the entire Village.

Land use in the Village follows a pattern largely established in the 19th century. This pattern includes a compact form, a mix of commercial and residential uses, a pedestrian orientation and a well defined edge.

Below are statements in the Comprehensive Master Plan that show that the Village is designated for concentrated infill development:

"The Village should update its water and sewer infrastructure to meet current demands and to permit new development to locate in the Village." (page 52)

"New commercial development should be located in the existing commercial areas of the Village and in the Professional Limited Business District in the annexation area" (page 64).

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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.

This answer cannot be modified.

Yes - Our proposed project protects surface and groundwater quality by eliminating the threat of overflowing public sewers.

The Village has had a long history of overflowing manholes during high flow and storm events. In the winter and spring of 2003, the Hudson Valley experienced unusually high frequency of severe storm events exhibiting excessive precipitation amounts and high groundwater elevations during this period. The unusually high precipitation amounts in conjunction with aging sewers, underd sewage conveyance pipes and siphons, sanitary

sewage from the entire Village sewer collection system was unable to discharge into the sewer treatment facility located off of Huguenot Street and overflowed onto the ground surface at various locations in the Villages sewer collection system. As a result, the entire Village was impacted by a public health threat.

In response to these incidents, Riverkeeper issued a Notice of Intent to Sue the Village of New Paltz for Clean Water Act Violations and the New York State Department of Environmental Conservation (NYSDEC) issued an Order on Consent to the Village of New Paltz which was executed by the Village of New Paltz on September 7, 2003. The Order reflects overflowing sewer manholes in violation of Sections 17-0501, 17-0505 and 17-0803 of the New York State Environmental Conservation Law.

This situation is still a critical concern as the Village Department of Public Works reported sewage erupting from 4 subject manholes cited in the original Consent Order as recently as June 30, 2013 and August 9, 2013. As a result, NYSDEC issued a Notice of Violation on September 30, 2013 citing that on two separate occasions, raw sewage overflowed manholes on Water Street, Mulberry Street, Broadhead Avenue and Huguenot Street (see upload at Q\_1496). The Village was again in violation of Article 17 of the Environmental Conservation Law. The Village continues to upgrade its sewage collection system in an effort to eliminate inflow and infiltration with the financial resources it has available. The proposed work indicated in this report is critical to the health and safety of the all Village residents by eliminating overflowing sewer manholes.

As a short term requirement, the Village is required to replace or rehabilitate sanitary sewers and manholes on Elting Avenue, Fairview Avenue, Lincoln Place, Ridge Road, Lookout Avenue, Center Street, Bonticou View Drive and Mohonk Avenue as required by the NYSDEC in the May 12, 2015 approval letter and as per the implementation schedule provided in the 120 Day Engineering Report or be subject to fines and penalties stipulated in the Order on Consent.

Through the present CFA 2015 Engineering Planning Grant, the Village is pursuing the long term goal of lifting the Consent Order by devising a comprehensive work scope to implement a prioritized work scope that would result from the Engineering Planning Grant Investigation. The report to be produced through the Engineering Planning Grant would be used to approach the NYSEFC and/or USDA for funding a comprehensive project that would result in lifting the Consent Order that the Village has been under for over 12 years.

The proposed replacement and rehabilitation of sewer mains over 100 years old thus continues our efforts since 2003 to comply with the NYSDEC Consent Order and protect, preserve and enhance the State's surface and groundwater resources.

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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.

This answer cannot be modified.

This project to replace aging sanitary sewer infrastructure protects an existing densely developed Village that combines residential, commercial and institutional land use in a setting where walking and bicycling are viable alternatives. The existing NYSDEC Consent Order requires the Village to upgrade its aged sewer infrastructure. The oldest parts of the sanitary sewer system coincide with downtown New Paltz. That area is a model of compact

development with an vibrant downtown with a variety of housing types and employment opportunities.

In addition to protecting public health and complying with the NYSDEC Consent Order, our proposed 2015 CFA project aligns with the Regional Economic Development Council's Strategic Plan. We advance several goals of the Mid-Hudson Plan related to compact development, downtown revitalization, commercial development, integration of income groups and enhancement of public spaces, as follows:

1. By investing in the physical infrastructure of the Village, the project would improve conditions for job creation investments in identifiable industry clusters (goal I);
2. This investment will also help to retain and stimulate more mature industries such as professional services, food and beverage, and health care facilities in our community (goal II);
3. Replacing the aging sewer mains will positively impact the environment which is consistent with local environmental planning principles. This is also important to tourism and quality-of-life attributes critical to attracting and retaining high quality jobs (goal III);
4. As the Village of New Paltz is a key location in the region, the proposed project would improve the infrastructure, making the region more business ready (goal IV);
5. By improving the infrastructure, the proposed project would help foster housing investment since people want to live where efficient sewer mains exist. Therefore the project would support a vibrant housing market (goal V);
6. The Village of New Paltz is an urban center and any physical infrastructure improvements would support its revitalization as an engine of regional prosperity (goal VI);
7. By improving the aging sanitary sewer infrastructure in the Village, the proposed project would enhance the region's talent pipeline through SUNY New Paltz College, Ulster BOCES, the New Paltz School System, the Elting Memorial Library, the Sojourner Truth Library, and the Ulster County child care system – all located in the New Paltz community (goal VII);
8. Improvements to the Village's sanitary sewer infrastructure would help existing buildings be more viable options for entrepreneurship, start-ups, and small business (goal VIII);
9. Replacing aging and failing sanitary sewer infrastructure will protect and preserve drinking watersheds. This is an environmentally conscious action which would foster green development as part of developing a green Hudson Valley economy (goal X);
10. Because SUNY New Paltz College is located in the Village, any improvements in the current physical infrastructure could aid in deepening relationships between the Village and the College (goal XI); and
11. An infrastructure system that is up-to-date and working efficiently (as proposed in the project) would make the Mid-Hudson region more attractive to young educated professionals and help stop youth flight and brain drain in the region (goal XII).

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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.

This answer cannot be modified.

This project does enhance mobility since New Paltz Village is already densely developed. Village residents and SUNY students can travel by foot or bicycle to our downtown



commercial area, to work and to school. Due to the poor condition of our sanitary sewer collection system those options are curtailed during heavy rain events when system overloading causes sewage to overflow from manholes in numerous locations. Those conditions are a health and safety threat. Standing sewage tainted water is a threat to pedestrians and cyclists. Our proposed project ensures mobility since implementation of the comprehensive work scope to result from the DEC Engineering Planning Grant will protect residents from sewer overflow health threats.

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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.

This answer cannot be modified.

Yes - This project involves coordination with NYSDEC to address the Village's obligations under the existing Consent Order. In addition the Village submits to NYSDEC its NYSDEC Consent Order Annual Maintenance Plan and Report in order to demonstrate ongoing compliance with the terms of the Consent Order.

As a short term requirement, the Village is required to replace or rehabilitate sanitary sewers and manholes on Elting Avenue, Fairview Avenue, Lincoln Place, Ridge Road, Lookout Avenue, Center Street and Bonticou View Drive as required by the NYSDEC in the May 12, 2015 approval letter and as per the implementation schedule provided in the 120 Day Engineering Report or be subject to fines and penalties stipulated in the Order on Consent. This project continues our short term efforts to comply with the Consent Order and avert further threats to public health and safety. The Village has submitted a 2015 CFA OCR CDBG application to address this short term project that must be completed by October 2016.

This proposed 2015 CFA DEC Engineering Planning grant will build on that ongoing coordination with NYSDEC. Unlike short term projects intended to continue complying with the Consent Order, the report that will result from our proposed Engineering Planning Grant is intended to result in a long term comprehensive approach intended to lift the Consent Order.

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Q\_1066

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

This answer cannot be modified.

Yes - Residents throughout the Village have complained about sewer backups and overflowing sanitary sewer facilities. Those complaints were a catalyst for the original 2003 DEC Consent Order. This project is a direct response to resident pleas to resolve the problems that they experience directly from sewer overflows throughout the Village. The threat of fines that must be borne by all Village residents is ever present as evidenced by NYSDEC's September 30, 2013 Notice of Violation . New Paltz must continue to work toward resolving our long-term sanitary sewer collection system problems.

This proposed 2015 CFA project is part of our long-term plan to satisfy the existing NYSDEC Consent Order. To date our efforts have been short term to continue demonstrating to NYSDEC that the Village is complying with the Consent Order. To date \$2.8 million in Village and OCR CDBG funds have been spent on six sewer main/manhole replacement and rehabilitation projects. However, the Consent Order will continue to be open ended unless we devise a comprehensive plan to lift the Consent Order. This DEC Engineering Planning Grant is intended to fund the necessary study to produce that comprehensive plan and work scope.

The proposed investigations proposed using DEC's Engineering Planning Grant will be twofold and includes a substantial planning and implementation role for local property

owners.

The first component of the investigation will consist of conventional cleaning and televising sanitary sewers and manholes to identify deficiencies and abnormalities which are the cause of inflow and infiltration into the sewer system that cause overflow in the sewer system that resulted in the Order on Consent. The results of the investigation will be presented to the Village on DVD as well as a hard copy summary of findings. These findings will be reviewed by the Superintendent of Public Works and the Villages Consulting Engineer to identify the following features:

- Longitudinal Cracks
- Circumferential Cracks
- Multiple Cracks
- Fractures
- Holes
- Pipe Sags
- Offset Joints
- Broken Joints
- Broken Pipe
- Root Penetrations
- Infiltration Stains
- Infiltration Runners
- Infiltration Gushers

Manholes in these specific sections of sewer will also be evaluated at the same time the cleaning and televising is reviewed for the sewer lines. Generally, the condition of each manhole will be evaluated along with the type of construction and most importantly, if there were any signs of infiltration.

The second component of the investigation will involve the identification of sources of stormwater inflow during rainfall events and remediating these inflows through green infrastructure construction. Identification of problem areas will include a field visual survey by the Department of Public Works and the consulting engineer. Specific items that will be focused on will be diversion of stormwater discharges away from the sanitary sewer collection system or low lying manholes and into accepted properly designed and constructed infiltration systems. Areas identified as being areas that surcharge with runoff during storm events will be assessed on the areas feasibility of receiving green infrastructure stormwater management in the form of either of the following methods:

- Rain Gardens
- Bioretention Areas
- Vegetated Swales
- Dry Swales
- Porous Pavements

The planning grant will also be utilized to formulate a grassroots effort to implement a public outreach program and alert property owners of green infrastructure alternatives for addressing stormwater issues and the impacts to water quality in the Village. Specifically the Village will outline these measures for the public on methods to reduce stormwater sources on privately owned properties creating inflow into the sanitary sewer system resulting in sewer overflows.

The ultimate goal of the Village of New Paltz is to complete these investigations to formulate a remedial conventional construction scope and green infrastructure measures based on the results to finally eliminate sources of inflow and infiltration causing sewer overflows causing a threat water quality and public health and ultimately lift the NYSDEC Order on Consent.

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Q\_1067

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

This answer cannot be modified.

Yes. Our proposed project is directed at complying with an existing 2014 NYSDEC Consent Order effecting our sanitary sewer collection system. The Village must continue replacing aged portions of the sanitary sewer collection system to protect public health and to avoid fines. Failure to act will endanger all Village residents through exposure to raw sewage.

An essential part of the long term solution to the Consent Order is to thoroughly investigate our sewer collection system in order to identify areas contributing the greatest amount of infiltration and inflow. The requested DEC Engineering Planning Grant will provide for that investigation. The alternative is to continue short term projects to merely comply with the Consent Order rather than adopt a comprehensive solution to lift the Consent Order.

The Village is densely developed and existing building and land use codes adequately predict predictability in those areas. However, for Village officials to enforce those building and land use code it is essential that our sanitary sewer system comply with the NYSDEC Consent Order and not expose residents to health and safety threats. Our proposed project allows us to comply with the Consent Order.

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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.

This answer cannot be modified.

Yes - this project will promote sustainability by strengthening an existing community that employs existing infrastructure.

New Paltz Village has been continuously occupied since the area was settled 1678. During the 19th century the Village developed as a market center and center of higher education. Sewer construction probably commenced prior to 1900 when a series of privately owned sewers were constructed through private properties and public right of ways for purposes of conveying sewage from upland residences and commercial establishments to the Walkkill River.

The Village must continue to undertake improvements within its sanitary sewer collection system both to comply with the 2003 NYSDEC Consent Order (re-issued in 2014) and in order to remain a viable community. By complying with the consent order the Village can avoid fines, litigation and protect the health and safety of residents and visitors. The proposed improvements to our sanitary sewer system will replace aging sewer collection infrastructure over 100 years old. Replacing aging sewer infrastructure will encourage community revitalization by providing improved, reliable infrastructure for businesses and residents.

One of the threats caused by overflowing sanitary sewers has already been described in this CFA application. The many people who conduct their daily business by walking instead of driving are threatened when raw sewage erupts from manholes during heavy rain events.

By undertaking the study proposed by this DEC Engineering Grant, we will be able to implement a long term work scope to ultimately result in the lifting of the Consent Order. In that fashion we will we protect pedestrians. Encouraging pedestrian travel in our commercial downtown and in adjoining neighborhoods does reduce greenhouse gas emissions. Encouraging walking and bicycling is promoted by our community's Climate Action Coalition. The Coalition works on local projects and meets weekly at Village Hall.

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## 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.

This answer cannot be modified.

Tim Rogers

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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 benefit corporation of the State, constitutes a crime under New York State Law.

This answer cannot be modified.

Tim Rogers

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Q\_2309

New York State DEC/EFC Wastewater Infrastructure Engineering Planning Grant Program Certification. By entering your name in the box below, you agree on behalf of the applicant that, if New York State DEC/EFC Wastewater Infrastructure Engineering Planning Grant Program funding is provided for the project described in this Application, the applicant shall comply with all laws, regulations, provisions and guidance with respect thereto, as each may be amended from time to time, including but not limited to the Clean Water Act, 33 U.S.C. 1251 et seq. , Chapter 565 of the Laws of 1989, 6 NYCRR Part 649, and 21 NYCRR Part 2602.

This answer cannot be modified.

Tim Rogers

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## 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: \$ 124860

## Funding Requested from Program

Program	Amount Requested
Engineering Planning Grant Program	\$ 99888 maximum funding allowed: \$100,000

## Program Budget

### Engineering Planning Grant Program

Use	Source	Amount	Indicate Source / Comments
Planning	State	\$99888	NYSDEC Engineering Planning Grant for Planning activities described in Brinnier & Larios, P.C.'s July 2015 budget.
Architectural/Engineering/Soft Costs	Local	\$8000	Village of New Paltz funds for Engineering activities described in Brinnier & Larios, P.C.'s July 2015 budget.

Planning	Local	\$13972	Village of New Paltz funds for Planning activities described in Brinnier & Larios, P.C.'s July 2015 budget.
Architectural/Engineering/Soft Costs	Local	\$3000	Village of New Paltz funds Administration activities described in Brinnier & Larios, P.C.'s July 2015 budget.

## Legend

[x] = Expired Program