Engineering Report Outline
for
New York State Assisted
Drinking Water Infrastructure Projects

Effective April 1, 2018

Suitable for Use for Projects Being Assisted Through the New York State Drinking Water State Revolving Fund (DWSRF) or Other State Sources of Assistance where Projects require Approval by the New York State Department of Health.
DWSRF Engineering Report Outline

Include the following sections in the engineering report.

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Statement of Purpose

This document provides guidance to municipalities, consulting engineers and others interested in receiving Drinking Water State Revolving Fund (DWSRF) and other state financial assistance on the requirements of an acceptable engineering report. This outline was created to promote the development of comprehensive engineering evaluations that communities can use to make informed decisions about infrastructure. Use of the outline may help to ensure that a submitted report satisfies DWSRF programmatic and technical requirements. While it is intended that all the items in the outline must be addressed for every project, the engineer’s evaluation may determine that some elements of the outline do not apply to a project and can be stated as such. Conversely, after a review by the New York State Department of Health (DOH), it may be determined that a report may need additional information before it can be found acceptable. In addition, an acceptable engineering report submitted in support of a DWSRF listing may not contain the detailed technical information necessary for the DOH to complete a technical review and approval of the proposed project. Therefore, a more detailed basis of design report may be required as the project progresses and DOH will advise prospective applicants if needed. While this outline has been prepared as guidance for applicants seeking New York State financial assistance, it may also be suitable for use for public water system infrastructure projects that are not being financed through the State.

Engineering Report Preparation Standards

Whenever practicable, an engineering report shall be developed in accordance with the following standards:

1. Recommended Standards for Water Works, Latest Edition - Policies for the Review, and Approval of Plans and Specifications for Public Water Supplies (commonly known as the 10 States Standards)
2. New York Codes, Rules and Regulations, Title 10, Part 5, Subpart 5-1
3. Applicable standards (latest edition) published by the American Water Works Association
4. Table B-3 of the New York State Design Standards for Intermediate Sized Wastewater Treatment Systems (March 5, 2014) if applicable for estimating water demand

There may be components described in the applicable standards that are pertinent to a project that are not addressed in this outline. The engineer preparing the report should ensure that applicable standards are addressed during the development of the report.

If seeking assistance from these federal agencies; Department of Agriculture – Rural Development, Environmental Protection Agency, Department of Homeland Security, and Housing and Urban Development, the engineering report may need to comply with the January 16, 2013 Engineering Report Interagency Memo (Bulletin 1780-2 found online at http://www.rd.usda.gov/publications/regulations-guidelines/bulletins/water-and-environmental)
Executive Summary
Provide a brief description of the purpose of the report, need for the project, evaluations conducted, recommended alternative, and proposed course of action.

Project Background & History

1. Site Information
Describe the area(s) under consideration and include the following:

- Location (include maps with appropriate scale, topographical features, property boundaries, as well as photographs)
- Geologic conditions (soil type, depth to bedrock and groundwater, slope if significant)
- Surface water features
- Environmental resources
- Floodplain considerations (100-year flood elevation and highest flood of record, if known)

2. Ownership & Service Area
Describe the ownership of the facilities and area(s) being served or to be served. Include details of the following:

- Publicly or Privately-owned
  o Municipal, State, Federal, Water Authority, Water Works Corporation, Homeowners Association, Water Works Transportation Corporation, Native American Reservation, Commercial, Industrial, School, Other
- Water system management
  o Water system operators (name and certification level)
- Water district boundaries (existing and proposed)
  o Projects financed through New York State need to comply with the State’s Smart Growth Act and therefore care should be taken when setting the boundaries if creating new or expanding existing water districts. Large areas of vacant lands should not be included if state funding will be sought for a project. District boundaries should be set to capture residences and businesses that will be within the district. For example, instead of using tax map boundaries that may include significant areas of vacant land, district boundaries could be set at some distance from center of the right always sufficient to capture homes and businesses that will be served.
- Outside users
  o Discuss any existing/required water purchase contracts between water supplies, and/or inter-municipal/private/industrial agreements
- Nearby agricultural or industrial land use activities
- Population trends and growth
  o U.S. Census or other data (include references) for the service area for at least the past two decades if available
  o Discuss any planned or anticipated development
  o Projected population over next 20 years in five-year intervals
- Historical and projected water use data
  o Type of use (i.e., residential, commercial, agricultural, industrial)
  o Equivalent Dwelling Units (EDUs)
  o Average and maximum day demands, including fire flow demand
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- Peak hourly flow
- Percent of unaccounted water and estimated reduction of water loss as a result of the proposed project
  - Adjacent or nearest public water systems
  - Community involvement (support/opposition)

3. Existing Facilities
   Provide overview of major system components and include the following:

   - Location and layout
     - Map, site plan and schematic layout for existing facilities and treatment processes
     - Photographs of existing facilities
   - General description & history
     - Purpose of system component
     - When component was constructed, renovated, expanded, or removed from service
     - Failure history and component limitations
     - History of damage due to storm or flood impacts
   - Present condition
     - Adequacy of current facilities (source, conveyance, treatment, storage, disposal and security)
     - Source capacity
       - Description of watershed
       - Ground water – total and with largest producing well out of service. Include safe yield analysis.
       - Surface water – capacity during one in fifty-year drought or extreme drought of record, include consideration of multiple year droughts. Include safe yield analysis.
     - Table of design capacity and normal and peak operating capacity for each facility component
     - Raw water and finished water quality
     - Ability to meet treatment objectives
       - Monitoring parameters
       - Sampling requirements/frequency
     - Ability to maintain system pressure and required fire flows (if applicable)
     - Type and quantity of wastes generated and disposal ability
     - Energy consumption (include energy audit results if available)
     - Suitability for continued use
   - Permit conditions (e.g., Water Withdrawal Permit limits, SPDES permit requirements)

4. Need for Project
   Describe the need for the project. Include maps, photographs, or schematics as it relates to:

   - Health, sanitation, and/or security
     - Water quality and quantity
     - Regulations
   - Aging infrastructure
     - Loss of source capacity
     - Distribution system water loss
     - System pressure
     - Treatment or storage needs
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- Inefficient design
- Safety concerns

- Reasonable growth
  - Future growth needs (provide supporting calculations)
  - Adequacy of revenue to meet future growth needs

- Water, energy, and/or waste considerations (include audits, if available)

- Suitability for continued use

- Storm & flood resiliency (sea level rise, storm surge, potential for flooding impacts, or other extreme weather event)

- Compliance with local, state and federal requirements. Discuss and provide copies of the following:
  - Notices of violation
  - Consent orders
  - Judicial orders
  - EPA orders
  - Sanitary survey

- Compliance with current design standards (i.e., Recommended Standards for Water Works, latest edition)

5. Capacity Development

DOH is required to ensure that all systems receiving DWSRF assistance have adequate technical, managerial, and financial capabilities to provide safe drinking water. Systems that lack adequate capacity may be determined as ineligible by DOH to receive DWSRF assistance unless the project to be financed corrects the technical, managerial, and financial deficiencies.

- Complete the Capacity Development Program Evaluation Form provided in Appendix A.

Alternatives Analysis

Conduct a comprehensive analysis of each feasible alternative. Every report must evaluate a no-action alternative. All projects must also evaluate the possibility to interconnect to another public water system. If the system applying for DWSRF assistance decides not to pursue a possible interconnection alternative when such alternative exists and would address the scope of the project with respect to its priority health ranking, then a detailed justification satisfactory to DOH must be provided demonstrating that the interconnection is a technically, financially, or managerially disadvantageous option.

Briefly discuss any alternatives considered that were found to be technically infeasible.

As appropriate, the following alternatives should be evaluated:

- No action
- Repair or replacement versus new construction
- Regional consolidation and/or interconnection
- Shared services or partnership opportunities
- Technically feasible alternatives

For each alternative, the analysis should include the information outlined below.
1. Description
Describe how each alternative will resolve the identified need. Present the following information for each technically feasible alternative, as appropriate:

- Proposed preliminary design, design standards, sizing, and supporting calculations
- Impact on existing facility
  - Average and peak design flows
  - Change in system pressure
  - Change in required operator certification grade
  - Potential for change in water chemistry in the distribution system as a result of changes to water source or treatment, and means of addressing such change in water chemistry
  - Waste generated
- Location map and/or schematic drawing
- Land requirements
  - Current ownership
  - Land to be acquired
  - Lease or access agreement
  - Easements required
- Environmental impacts & mitigation measures
  - Consider water quality and supply, noise levels, air quality, population growth, wetlands, floodplains, and other sensitive areas
- Construction and site considerations
  - Subsurface rock
  - High water table
  - Access limitations
  - Flood prone areas
  - Availability of utility and communication infrastructure
- Permit requirements (new/proposed and existing)
- Identify the water & energy efficiency measures used in each alternative
  - Efficient water use, reuse, conservation, and energy efficient design, and/or renewable generation of energy
- Storm & flood resiliency (sea level rise, storm surge, potential for flooding impacts, or other extreme weather events)
- Schedule and constructability

2. Cost Estimate
Provide cost estimates for each alternative, including a breakdown of the following:
- Total project cost showing itemized construction, non-construction & contingency costs
  - Non-construction may include land/easement acquisition, legal, engineering, construction management, fiscal advisor, grant/loan administrator, etc.
- Annual operation and maintenance (O&M) costs (existing and proposed) considering the following:
  - Personnel
  - Administration
  - Water purchase
  - Waste treatment/disposal costs
  - Insurance
  - Energy cost (fuel or electric)
Process chemical, monitoring & testing
- Short-lived asset maintenance and replacement (see Appendix B for examples of short-lived assets)
- Professional services
  - Annual debt service resulting from each alternative

3. Non-Monetary Factors
Include discussion of all relevant non-monetary factors such as increased recreational opportunities, increased local employment, aesthetics, improved habitat, reduced carbon footprint, climate resiliency, standardization, personnel impacts, permit issues, or community objections.

Summary & Comparison of Alternatives
Provide a summary table of all feasible alternatives identifying any major differences, pros and cons, non-monetary factors, and costs.
- Provide a summary life cycle cost analysis for all technically feasible alternatives. A comprehensive life cycle cost analysis may be warranted for projects involving new infrastructure technologies. This analysis should convert capital, O&M, short-term assets, and salvage costs to present worth values. State the time period and the interest rate used in the evaluation.

Recommended and Selected Alternatives
Identify the recommended alternatives for consideration if more than one and the selected alternative including:
- Basis of selection
- Cost estimate
- Project schedule (including submittal of plans and specification, advertisement for bid, contract award, initiation of construction, substantial completion, final completion, startup)
- Next steps (including special studies, pilot tests, special coordination, community engagement)

Engineering Report Certification
All engineering reports must be signed and sealed by a professional engineer licensed to practice engineering in the state of New York.

Smart Growth
All projects funded through the DWSRF Program must comply with the New York State Smart Growth Public Infrastructure Policy Act to the extent practicable. Please provide a completed and signed Smart Growth Assessment form (Appendix C). A copy of the form in a fillable format is available at www.efc.ny.gov/SmartGrowth
Appendix A - Capacity Development Evaluation Form
CAPACITY DEVELOPMENT PROGRAM

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

SYSTEM NAME: ____________________________
COUNTY: ________________________________ PWSID #: __________________
COMPLETED BY: _________________________ DATE: ____________________

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?

   □ Yes  □ No  □ Not Applicable

   If the system lacks certain plans, please specify:

   ________________________________

2. Does the system have exact location measurements of all main valves and service shut-offs?

   □ Yes  □ No  □ Not Applicable

3. Can the system’s pumping, storage and distribution facilities meet current normal and peak demands and required distribution pressures?

   □ Yes  □ No  □ Not Applicable

4. Does the system have a water conservation plan?

   □ Yes  □ No  □ Not Applicable

5. Are all customers on the water system metered?

   □ Yes  □ No  □ Not Applicable

6. Is the system equipped with “master” meters that measure the amount of water the system produces or purchases for each source of water?

   □ Yes  □ No  □ Not Applicable
B. Source Water Evaluation

1. Does the system have a copy of its Source Water Assessment?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

2. Has a yield analysis been done for the system’s source?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

3. Does the system have a description of the existing source-pumping capacity and the system’s raw and finished water storage capacity?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

4. For groundwater systems, does your system have a wellhead protection program in place?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

C. Technical Knowledge

1. Has an evaluation of the water system facilities been conducted with respect to its ability to reliably meet current and proposed State and Federal drinking water regulations?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable
   
   If system can't meet regulations, please specify:
   
   ____________________________________________________________

2. Does the system have monthly water production records or treatment records that show daily and monthly water production for each source used by the system?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

3. Has an evaluation been conducted to document the condition and remaining service life of existing facilities?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

4. Has the system been cited within the past two years for failing to sample and report test results?
   - [ ] Yes
   - [ ] No
   - [ ] Not Applicable

5. Has the system been cited within the past two years for operating deficiencies as a result of a sanitary survey or other inspection conducted by the DOH?
   - [ ] Yes
   - [ ] 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?

☐ 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  ☐ 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)?

____________________________________________________________________

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

____________________________________________________________________

4. Who is responsible for approving expenditures (name and title)?

____________________________________________________________________

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  ☐ Not Applicable
B. Ownership

1. *If the system is under temporary ownership*, has a future owner been found for the water system?

   □ Yes  □ No  □ Not Applicable

   If “Yes”, who will the future owner be?

2. *For systems that use, but do not own, land or facilities that are essential to water system operation*: Is there a valid long-term contract (i.e., lease) between the water system and the owner of the land or facilities essential to the operation of the system?

   □ Yes  □ No  □ Not Applicable

3. *For systems with a single proprietor*: Does the system have a contingency plan for continuing system operation in the event the owner becomes incapable of carrying out his/her responsibilities?

   □ Yes  □ No  □ Not Applicable

C. Consolidation/Restructuring

1. Has the system examined the feasibility of:
   a) Incorporating with an existing water system in the immediate proximity?

      □ Yes  □ No  □ Not Applicable

   b) Selling ownership to an existing water system?

      □ Yes  □ No  □ Not Applicable

   c) Contracting for the management or operation of the system with an existing system or satellite management/operations agency?

      □ Yes  □ No  □ Not Applicable

D. Emergency/Disaster Response Plans

1. Has the system developed an Emergency Response Plan?

   □ Yes  □ No  □ Not Applicable

2. Does the Emergency Response Plan:

   a) Designate responsible personnel in the event of an emergency?

      □ Yes  □ No  □ Not Applicable
b) Provide for emergency phone and radio capabilities?
   - Yes
   - No
   - Not Applicable

c) Describe public and health department notification procedures?
   - Yes
   - No
   - Not Applicable

3. Does the system have any emergency contract agreements under which it operates (e.g., emergency water interconnections and alternative sources)?
   - Yes
   - No
   - Not Applicable

E. Water System Policies

1. Does the system have a written System Operations Manual or Policy?
   - Yes
   - No
   - Not Applicable

F. Record Keeping

1. 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)?
   - Yes
   - No
   - Not Applicable

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Financial Capacity

A. Budget Projection – Revenues and Expenses

1. Does the system have a water budget?
   - Yes
   - No
   - Not Applicable

2. Are the system’s annual water revenues sufficient to cover the annual water expenses as well as anticipated capital improvements?
   - Yes
   - No
   - Not Applicable

3. Are the system’s water rates, when combined with other revenue sources, sufficient to cover all listed expenditures for the water system?
   - Yes
   - No
   - Not Applicable
4. Does the system retain budget information for at least two years?

☐ Yes ☐ No ☐ Not Applicable

B. Reserves

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?

      ☐ Yes ☐ No ☐ Not Applicable

   b) The maintenance of cash flow in the event of an unexpected funding shortfall?

      ☐ Yes ☐ No ☐ Not Applicable

2. If the system has a reserve account, how does it determine the amount to put into the account?

   _____ Fixed Amount _____ Percentage of Revenues _____ Percentage of Expenses
   _____ Other (please specify) ________________________________

3. If the system has a reserve account, what type(s) of reserve account(s) does it have?

   _____ Operation and Maintenance _____ Capital Projects _____ Debt Service
   _____ Other (please specify) ________________________________

C. Capital Improvement Plan

1. How do you finance operation and maintenance costs (Check all that apply)?

   _____ Rates collected from ratepayers _____ Rental fees
   _____ Other business revenue _____ Personal capital
   _____ Surcharges _____ Reserve account
   _____ Other (Please specify) ________________________________

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

   _____ Commercial bank loan _____ Bonds
   _____ DWSRF _____ 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
- Bonds
- DWSRF
- Other State or federal loan/grant program
- Surcharge
- Personal Capital
- Reserve Account
- Revenue from other business
- Other (Please specify) ____________________________

D. Water System Rates

1. Does the water system management review user fee, user charge, or rate system at least once every two years?
   - Yes
   - No
   - Not Applicable

2. What is the frequency of billing (e.g., 12, 6, or 4 times per/year)? ____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 specify) ____________________________

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

- ____________________________

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## Appendix B- Examples of Short-Lived Assets

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<thead>
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<th>Source Relates</th>
<th>Distribution System Related</th>
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<td>Residential and Small Commercial Meters</td>
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<td>Pump Controls</td>
<td>Meter boxes</td>
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<td>Pump Motors</td>
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<td>Telemetry</td>
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<td>Intake/Well Screens</td>
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<td>Vaults, Lids and Access Hatches</td>
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<td>Security Devices and Fencing</td>
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<td></td>
<td>Storage Reservoir Painting/Patching</td>
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<tr>
<td>Vault, Lids and Access Hatches</td>
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<tr>
<td>Security Devices and Fencing</td>
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<td>Storage Reservoir Painting/Patching</td>
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<td>Chemical Feed Pumps</td>
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<td>Pumps</td>
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<td>Pump Controls</td>
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<td>Pump Motors</td>
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<td>Chemical Feed Pumps</td>
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<td>Granular Filter Media</td>
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<td>Membranes</td>
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<td>Field &amp; Process Instrumentation Equipment</td>
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<td>UV Lamps</td>
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<td>Back-up Power Generator</td>
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<td>Chemical Leak Detection Equipment</td>
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<td>Flow Meters</td>
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<tr>
<td>SCADA Systems</td>
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</table>
Appendix C - Smart Growth Assessment Form

A copy of this form in a fillable format is available at www.efc.ny.gov/SmartGrowth
Smart Growth Assessment Form

This form should be completed by the applicant’s project engineer or other design professional.¹

Applicant Information

Applicant: 
Project Name: Project No.: 

Is project construction complete? ☐ Yes, date: ☐ No 

Project Summary: (provide a short project summary in plain language including the location of the area the project serves)

Section 1 – Screening Questions

1. Prior Approvals

1A. Has the project been previously approved for EFC financial assistance? ☐ Yes ☐ No 
1B. If so, what was the project number(s) for the prior approval(s)? Project No.: 

Is the scope of the project substantially the same as that which was approved? ☐ Yes ☐ No 

IF THE PROJECT WAS PREVIOUSLY APPROVED BY EFC’S BOARD AND THE SCOPE OF THE PROJECT HAS NOT MATERIALLY CHANGED, THE PROJECT IS NOT SUBJECT TO SMART GROWTH REVIEW. SKIP TO SIGNATURE BLOCK.

2. New or Expanded Infrastructure

2A. Does the project add new wastewater collection/new water mains or a new wastewater treatment system/water treatment plant? ☐ Yes ☐ No 

Note: A new infrastructure project adds wastewater collection/water mains or a wastewater treatment/water treatment plant where none existed previously 

2B. Will the project result in either: ☐ Yes ☐ No 

An increase of the State Pollutant Discharge Elimination System (SPDES) permitted flow capacity for an existing treatment system; 

OR 

An increase such that a NYSDEC water withdrawal permit will need to be obtained or modified, or result in the NYSDOH approving an increase in the capacity of the water treatment plant? 

Note: An expanded infrastructure project results in an increase of the SPDES permitted flow capacity for the wastewater treatment system, or an increase of the permitted water withdrawal or the permitted flow capacity for the water treatment system.

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.
3. Court or Administrative Consent Orders

3A. Is the project expressly required by a court or administrative consent order?  □ Yes □ No

3B. If so, have you previously submitted the order to NYS EFC or DOH?  □ Yes □ No
If not, please attach.

Section 2 – Additional Information Needed for Relevant Smart Growth Criteria

EFC has determined that the following smart growth criteria are relevant for EFC-funded projects and that projects must meet each of these criteria to the extent practicable:

1. Uses or Improves Existing Infrastructure

1A. Does the project use or improve existing infrastructure?  □ Yes □ No
Please describe:

2. Serves a Municipal Center
Projects must serve an area in either 2A, 2B or 2C to the extent practicable.

2A. Does the project serve an area limited to one or more of the following municipal centers?

i. A City or incorporated Village  □ Yes □ No
ii. A central business district  □ Yes □ No
iii. A main street  □ Yes □ No
iv. A downtown area  □ Yes □ No
v. A Brownfield Opportunity Area  □ Yes □ No
(for more information, go to www.dos.ny.gov & search “Brownfield”)
vi. A downtown area of a Local Waterfront Revitalization Program Area  □ Yes □ No
(for more information, go to www.dos.ny.gov and search “Waterfront Revitalization”)
vii. An area of transit-oriented development  □ Yes □ No
viii. An Environmental Justice Area  □ Yes □ No
(for more information, go to www.dec.ny.gov/public/899.html)
ix. A Hardship/Poverty Area  □ Yes □ No
(Note: Projects that primarily serve census tracts and block numbering areas with a poverty rate of at least twenty percent according to the latest census data)

Please describe all selections:
2B. If the project serves an area located outside of a municipal center, does it serve an area located adjacent to a municipal center which has clearly defined borders, designated for concentrated development in a municipal or regional comprehensive plan and exhibit strong land use, transportation, infrastructure and economic connections to an existing municipal center? □ Yes □ No

Please describe:

2C. If the project is not located in a municipal center as defined above, is the area designated by a comprehensive plan and identified in zoning ordinance as a future municipal center? □ Yes □ No

Please describe and reference applicable plans:

3. Resiliency Criteria

3A. Was there consideration of future physical climate risk due to sea-level rise, storm surge, and/or flooding during the planning of this project? □ Yes □ No

Please describe:

**Signature Block:** By entering your name in the box 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.

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<tr>
<th>Applicant:</th>
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(Name & Title of Project Engineer or Design Professional or Authorized Municipal Representative)

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<th>(Signature)</th>
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