



# Governor's Office of Storm Recovery



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## STATE ENVIRONMENTAL QUALITY REVIEW ACT DETERMINATION OF NON-SIGNIFICANCE (NEGATIVE DECLARATION)

### VILLAGE OF PATCHOGUE OUT-OF-DISTRICT SEWER EXTENSION

DATE: April 4, 2016

NAME OF ACTION: Village of Patchogue Out-of-District Sewer Extension

LOCATION: Village of Patchogue, Suffolk County, NY 11772

SEQRA CLASSIFICATION:  Type I (*ENB Required*);  Unlisted

REVIEW TYPE:  Coordinated;  Uncoordinated

DETERMINATION OF SIGNIFICANCE:  Negative Declaration;  Positive Declaration

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#### Proposed Project:

Suffolk County (subgrantee) has applied to the FEMA Hazard Mitigation Grant Program (HMGP) for funding of the Suffolk County Coastal Resiliency Initiative (the Initiative). The Initiative seeks to mitigate impacts on human life and property, surface waters, and coastal wetlands associated with on-site wastewater treatment and disposal systems (OSWS) failures caused by natural hazards. These natural hazards include rain events, storm surge, and coastal flooding, particularly as they contribute to rising groundwater elevations and septic or cesspool failures for the 74 percent of homes in Suffolk County that rely on OSWS.

Suffolk County worked together with local community representatives on the Suffolk County Sewer District/Wastewater Treatment Task Force (the Task Force) to delineate areas where investment in sanitary sewer and wastewater infrastructure could provide environmental, economic, and/or social benefits and identify critical need areas where the implementation of sewerage infrastructure may be warranted and should be assessed. The Task Force and 2015 *Suffolk County Comprehensive Water Resources Management Plan* identified the connection of parcels in the Southwest Sewer District #3 (SSD #3), Carlls, Connetquot, Forge, and Patchogue River watersheds as key measures to address several water and environmental quality issues.

The Village of Patchogue Out-of-District Sewer Extension Project (the project) in the Patchogue River Watershed is functionally, geographically, hydrologically, and hydraulically separate from the four remaining projects discussed above as part of the Initiative and has both independent utility and a distinct schedule for implementation. Therefore, a permissibly separate environmental review process for this project has been completed with a rigorous assessment of cumulative impacts to ensure that the review will be no less protective of the environment.

The proposed action would construct upgrades to the existing sewer collection system and extend sanitary sewer service to 648 parcels outside the boundary of the existing District. The proposed action includes four main components.

(1) *Collection System Extension*: Existing sewer mains would be re-routed and new bypass mains would be installed to convey sanitary flow from the newly connected parcels. Approximately 19,225 linear feet of 2 to 4-inch-diameter, high-density polyethylene (HDPE) piping would be constructed within existing paved public rights-of-way (ROWs). HDPE piping would be fused (welded) together, creating pipes with no joints. Provisions for leak detection would be incorporated during engineering design and implemented during construction to avoid, minimize, and quickly detect any potential exfiltration of sewage from a leak or break in the low-pressure sewer system.

(2) *Individual Sewer Connections*: 648 individual on-site low-pressure sewer grinder pump stations (LPSGPS) and 291 new home service laterals ranging in length from 25 feet to 100 feet, totaling approximately 38,500 linear feet of 1- to 2-inch-diameter HDPE piping, would be installed to connect the unsewered parcels to the system. On-site low pressure grinder pump stations (LPSGPS) would be located on or near the Village ROW, as close to where the existing gravity lateral pipe exits from each home and within 25 feet from the building. All electrical and vent pipes associated with the LPSGPS would be installed at a height higher than the base flood elevation (100-year storm elevation plus 5 feet, Hurricane Sandy inundation plus 4 feet, or 500-year storm elevation; whichever is the most restrictive). The LPSGPS would be installed through an easement agreement with the property owner, and the Village would maintain the LPSGPS for the life of the easement agreement.

(3) *Pump Station Upgrades*: Upgrades to the West Avenue Pump Station would include the replacement of the existing submersible sewage pumps to provide pumping capacity for the increased sanitary flows and the in-kind replacement of the existing 60-kilowatt (kW) diesel emergency generator to accommodate the additional 300,000 gallons per day (GPD) flow. Flow in the existing, parallel, 3-inch-diameter, low-pressure sewer mains that currently bypasses the West Avenue Pump Station would be directed back into the pump station to re-connect the flow collected from the low-pressure sewer system servicing properties along West Avenue between Division Street and Laurel Street. This would ensure that adequate capacity is available in the West Avenue low-pressure sewer bypass for the additional flow generated by the proposed additional properties in this portion of the sewer project.

(4) *Wastewater Treatment*: Wastewater from the 648 parcels would be treated by the existing Patchogue AWTF. No improvements to the AWTF would be necessary because the existing AWTF was designed to accommodate 800,000 GPD. Presently, the AWTF treats 300,000 GPD and thus could easily accommodate the additional 300,000 GPD in sanitary flow from the project area, for a future total treatment volume of 600,000 GPD under the proposed action. The effluent from the AWTF is, and would continue to be, discharged to the Patchogue River. Using an effluent nitrogen concentration from existing on-site disposal systems as 40 mg/L and a daily wastewater volume of 300,000 GPD, the total nitrogen load generated in the project area is currently 100 pounds per day (H2M 2014). The total nitrogen concentration in the effluent would be 10 mg/L or less, according to the existing State Pollution Discharge Elimination System (SPDES) permit for the AWTF.

Construction of the proposed action would begin in 2017 and would last approximately 31 months. The new facilities are scheduled to be operational in 2020. The collection system would be installed first, followed by the LPSGPS. Collection system construction would occur in phases—approximately 500 linear feet of pipe would be installed in one area before moving to the next area. It is estimated that every 500-linear-foot pipe section would take approximately one and a half weeks to install. The Village property on Hammond Street, where the AWTF is located, would serve as a construction staging area.

#### **Purpose and Need:**

Section 404 of the Robert T. Stafford Relief and Emergency Assistance Act of 1974 (42 USC 5170c), as amended, authorizes FEMA to provide funding to eligible grant applicants for activities with the purpose of reducing or eliminating risks to life and property from hazards and their effects. The primary purpose of the proposed action is to mitigate short-term and repetitive, adverse impacts on human life and property associated with OSWS failures in the Patchogue River Watershed in Suffolk County, New York, caused by natural

hazards. The secondary purpose is to mitigate long-term, adverse impacts associated with such failures on surface waters and coastal wetlands that reduce the ability of these waters and wetlands to provide natural protection against storm surge.

The project is needed because OSWS in the project area are susceptible to both capacity and treatment or disposal failures during flood and heavy rain events. Many systems in the project area failed during Hurricane Sandy.

**Existing Conditions:**

The Patchogue River runs through the Village of Patchogue on Long Island's south shore into Patchogue Bay, part of Great South Bay, about 17 miles east of the Fire Island Inlet and 14 miles west of the Moriches Bay Inlet. The existing Village of Patchogue Sewer District (the existing District) encompasses approximately 90 acres of densely developed land centered on Main Street. The project area encompasses approximately 242 acres outside the boundary of the existing District, mostly south of Main Street between Tuthills Creek and Rider Avenue, with a smaller area north of the Main Street surrounding Waverly Avenue. Existing land uses in the project area include residential, commercial, industrial, and vacant lots. Commercial and industrial properties are concentrated primarily along the Patchogue River, Patchogue Bay, Tuthills Creek, and Waverly Avenue.

The existing collection system comprises approximately 12,000 linear feet of gravity sewer, 13 miles of low-pressure sewer, and three pump stations. Sewage collected in the existing District is treated by the Patchogue AWTF, located on Hammond Street adjacent to the Patchogue River, and effluent is discharged into the Patchogue River. Approximately 50 percent of parcels in the project area have available service laterals already connected to sewer mains that were installed as part of the previous sewer extension projects, while the remaining parcels do not have sewer availability and would require additional sewer infrastructure to be installed to facilitate their connection.

Sanitary wastewater disposal in the project area, not serviced by the current sewer system, is provided by sub- and non-performing OSWS. While the exact number of system failures cannot be quantified, it is estimated that more than 50 percent of the OSWS in the project area were inundated during Hurricane Sandy and continue to be subject to failures during future storm events. On-site wastewater treatment and disposal system failures result when systems are flooded by heavy rainfall or submerged in shallow groundwater that rises during storm events, reducing system capacity and/or inhibiting or eliminating system treatment or disposal capability. The failure of OSWS cause public health risks associated with uncontrolled sewage discharges during and after storm events, thereby creating pathways for human exposure to harmful pathogens, increasing risk to human life and property, and degrading ecosystems that protect Long Island's south shore against storm surge. Risks to human life and property include raw (untreated) sewage backups into buildings or yards and overflows onto the land or into surface waters; health/safety hazards and costs associated with the cleanup of raw sewage backups; loss of wastewater treatment; and beach closures as a result of non-point source pollution.

**Funding:**

The total project cost is estimated at \$18,224,000. The project is expected to be funded through a variety of funding sources, the exact allocation of which has not yet been determined. Sources may potentially include funding pursuant to the U.S. Department of Housing and Urban Development (HUD) Community Development Block Grant-Disaster Recovery (CDBG-DR) program as authorized by the Disaster Relief Appropriations Act of 2013 (Public Law 113-2, approved January 29, 2013). The NYS Housing Trust Fund Corporation (HTFC), which administers the CDBG-DR program funds on behalf of GOSR, intends to approve funding for the proposed project as described in this notice.

**Environmental Considerations:**

The SEQRA EAF Part 2 identified potential impacts from the proposed action on land, surface water, flooding, historic and archaeological resources, critical environmental areas, energy, and human health. The following analysis finds that the proposed action will not result in a significant adverse impact on these resources.

***Geology, Soils and Topography***

The proposed action would result in no impact on the geology of the area. Excavation for the project would be limited to four feet below the ground surface, a depth that corresponds to unconsolidated glacial and deltaic material (i.e., soil). Bedrock in the project area lies more than 2,000 feet from surface and would not be impacted by excavation activities.

Trench digging for sewer mains and laterals and other soil disturbances would be part of the construction of the proposed action, resulting in minor, short-term local impacts on project area soil resources during construction of the sewer extension. These short-term impacts include the temporary removal and displacement of soil. Excavation would be required for the sewer mains under existing paved roadways. Lateral connections would be needed for 291 of the 648 unsewered properties and would require further excavation outside of paved areas from the location of the LPSGPS on each property to the new sewer main. Excavation for laterals would use a Ditch Witch or similar small bucket with the disturbance confined within a 1.5-foot-wide trench. On-site LPSGPS installation would likely require an additional, negligible amount of ground disturbance because units would be buried underground near existing septic tanks or cesspools. Suitable soils would be placed back into utility trenches and compacted, and the remaining excavated material would be hauled by the contractor to a NYSDEC-regulated facility in compliance with applicable local, state and federal rules and regulations.

Best management practices (BMPs), including soil and erosion control measures, would be employed during construction to minimize potential temporary soil erosion from stockpiles and trench walls due to rainfall. These measures would be specified as part of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity permit application, which would also include an Erosion and Sediment Control Plan and Stormwater Pollution Prevention Plan (SWPPP). Overall, the proposed action would result in negligible soil impacts.

Under conditions of normal operation, the proposed action would have no impact on soil resources. However, if any seals or pipes were to fail, sewage would leak out into the surrounding soils for the duration of the failure resulting in minor impact.

The proposed action would also have a negligible effect on topographic features within the project area due to trenching and filling. Trenches excavated for the new utilities would be backfilled and restored to pre-construction conditions. There would be no changes in the land elevation or slope.

***Air Quality***

Construction of the proposed action would result in short-term temporary emissions of pollutants that include carbon monoxide, PM2.5, PM10, and ozone precursors from mobile equipment, including jackhammers to break pavement, excavators or backhoes to dig the trenches, small cranes or backhoes to lower piping into the trench, and trucks and paving machines to repave the roadway. These construction equipment and activity-related emissions would be well below the general conformity de minimis thresholds and would be controlled through the implementation of standard construction BMPs that include covering haul trucks and soil piles, restoring/replanting areas where vegetation is disturbed to prevent erosion and dust, and limiting idling to five minutes or less in accordance with New York State regulations (6 New York Codes, Rules and Regulations [NYCRR] Subpart 217-3).

There would be no change to air quality from the long-term operation of the proposed action. An in-kind replacement of the existing 60-kW generator at the West Avenue Pump Station would not change existing emissions, and the existing 300-kW generator at the AWTF would remain. A mobile source air quality impact analysis for the direct impacts of the proposed action is not necessary because the provision of sewer infrastructure would have no long-term effect on trip generation or traffic patterns.

Additionally, the proposed action is not likely to result in significant induced growth. Therefore, the proposed action would have a negligible, short-term adverse impact on air quality during construction in terms of criteria pollutants and no additional long-term impact.

### ***Water Resources***

#### *Water Quality*

No work would occur within or near the vicinity of identified waterbodies or would modify them directly. Potential impacts from soil erosion on nearby waterways during construction would be minimized through BMPs, including construction site stabilization, dust control, sediment traps, temporary swales, and temporary or permanent seeding (NYSDEC 2005). Construction would require excavation and dewatering resulting in a minor, short-term, adverse, impact to water quality and mitigation would be accomplished through use of BMPs for water management and adherence to all applicable local, state, and federal regulations.

Implementation and operation of the proposed action would minimize the risk of future releases of sanitary wastewater into nearby waterways during future flood events. The water quality impacts of the proposed action would be beneficial because loading of nitrogen and pathogens to Patchogue River and Patchogue Bay during such events would be reduced.

Wastewater from the 648 parcels would be collected and treated at the AWTF. The Patchogue Village Sewer District holds a SPDES permit for 800,000 GPD (Permit No. NY0023922) (Suffolk County 2015b) and the permit would not need to be revised. The total nitrogen concentration in the effluent would be 10 mg/L or less. There would be no discharge of pathogens in the effluent after treatment.

The rate of recharge of the groundwater would be reduced by the volume of wastewater that would be collected from the 648 parcels by the proposed action (i.e., approximately 300,000 GPD). This loss would have a negligible, long-term, adverse impact on the Upper Glacial Aquifer water balance of approximately 1,133 million gallons per day (MGD). Similarly, the impact on the elevation of the water table in the project area would be expected to be negligible and adverse.

During operation of the project, groundwater could potentially be impacted temporarily during a sewage pipe leak or break. Temporary dewatering may be necessary to reach the pipe for repair. Excavation dewatering for the pipe repair would adhere to BMPs for water management and to all applicable local, state, and federal regulations. None of the drinking water wells would be affected because they are located outside and upgradient of the project area.

#### *Wetlands*

Impacts on wetlands are not expected because nearby waterways or wetlands would not be modified under the proposed action. Construction activities would take place within regulated areas adjacent to tidal and freshwater wetlands. As noted above, BMPs would be employed during construction and specified in an Erosion and Sediment Control Plan and SWPPP. Construction activities within areas adjacent to NYSDEC wetlands would be regulated by the NYSDEC Freshwater and Tidal Wetlands Permit Program to ensure that impairment of wetlands functions is avoided or minimized.

This reduction of nitrogen loading, described above, would have a beneficial impact on wetland plants because it would help prevent the deterioration of currently healthy plants and allow already impaired plants with weakened roots to improve. Stronger wetland edges reduce the risk of erosion and slumping, thereby stabilizing the shoreline. The proposed action would have a minor, beneficial effect on wetlands due to the reduced nitrogen loading.

#### *Floodplains*

Neither the West Avenue Pump Station nor the AWTF are located in the floodplain; therefore, there would be no impacts to the floodplain at those locations. Most of the proposed sewer collection infrastructure would be located within the floodplain resulting in short-term, minor, adverse impacts by exposing the infrastructure to floodwaters in the chance that a flood would occur during construction. Piping would be installed underground; it would be less susceptible to damage from flooding than OSWS. The development footprint

of the proposed action also would not result in an increase in impervious cover because all structures would be located below ground, except the West Avenue Pump Station upgrades, which would be located within the existing development footprint. The size and areal extent of the floodplain would remain the same. Therefore, the capacity of the floodplain within the sewer collection area to store and infiltrate water from both stormwater and tidal surges, reduce flood flows, and recharge to groundwater would not be impacted in the long term.

Healthy wetlands are more effective in attenuating wave energy and accommodating storm surge. Stabilization of the shoreline under the proposed action due to increased health of wetlands would provide flood protection for the area from storm events and sea-level rise (NYSDEC 2014b). Healthy wetland plants further avoid erosion of the wetland edges, thereby reducing the size of the floodplain.

The sewerage of presently unsewered parcels would enable existing populations to remain in the floodplain, resulting in sustained risk from flood hazards. However, this risk would be reduced by the potential flood mitigation benefits of the proposed action, as discussed above. Approximately 10 vacant parcels in the project area are located in the floodplain. The proposed action is not likely to result in induced growth due to existing zoning regulations. Therefore, this Alternative would not likely result in increased development in the floodplain, although there is potential for those 10 vacant parcels to develop due to the availability of the sewer infrastructure.

#### *Coastal Resources*

Consultation with NYSDOS was completed on January 26, 2016, and concurrence of consistency was received. The proposed action would have a short-term, adverse impact on coastal resources during construction, but the impact would be negligible because previously described BMPs would be followed. It would have potential minor, long-term, beneficial effects on coastal resources because nitrogen and pathogen loading would be reduced, and the health of coastal wetlands would be improved.

The project would result in long-term, beneficial effects on environmental resources in the coastal zone area south Critical Environmental Area from reductions in nitrogen and pathogen loading.

#### ***Vegetation***

Construction would occur within existing development and paved public rights-of-way (ROW). Should any street trees need to be removed during project activities, the Village of Patchogue Code requires a permit from the Village Clerk, and may require that the tree is replaced with an approved species within 12 months after its removal (Village of Patchogue Code Chapter 398:Trees and Shrubs). Therefore, construction of this alternative would have a negligible, short-term, adverse impact on vegetative resources within the project area. However, this alternative would have a long-term, minor beneficial effect on the health of vegetation in adjacent wetlands by preventing sanitary wastewater overflow during future flood events.

Opportunistic non-native invasive plant species can spread or become established following ground disturbances associated with construction. To limit the spread of such species, construction equipment should be thoroughly cleaned prior to leaving a location. Treatment to remove any invasive species that may become established after construction should be conducted. Any damaged vegetation should be replaced with species resistant to infestation by invasive insects.

Soil erosion could occur during construction of this alternative, potentially affecting vegetation by reducing the seed bank; damaging, killing, or removing germinating plants; and reducing available rooting substrate. Erosion would be minimized through the use of BMPs including soil and erosion control measures that would be employed during construction. These measures would be specified as part of the NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity permit application, which would also include an Erosion and Sediment Control Plan and SWPPP. These measures should protect existing vegetation from any potential damage caused by erosion issues.

#### ***Wildlife and Fish***

Adverse impacts on wildlife and fish are expected to be minor as a result of the proposed action. Residential trees and landscaping may provide stopover habitat for migratory bird species. Minimal tree removal along

street corridors may be required as part of this alternative, but it is unlikely to affect migratory bird species because these trees do not provide adequate nesting habitat due to their proximity to human disturbance. Removing trees outside of migration seasons will limit the impacts on migratory bird species using them for roost cover or foraging during stopover periods. Because the project area is nearly completely developed, it does not support quality habitat for wildlife or fish species. The proposed action may cause temporary disturbance to wildlife from noise and activity during construction. High quality surface water is necessary for the healthy reproduction and growth of shellfish. Improved water quality would promote growth of shellfish and marine life by slowing the deterioration of tidal wetlands and marine habitat. Fish, benthic invertebrates, and waterfowl that use the Patchogue River and its tributaries, and Patchogue Bay, would benefit from water quality improvements and positive changes to the benthic environment that may result from project implementation. Improved water quality would increase ecosystem health by sustaining and growing tidal wetlands, as well as promoting growth of shellfish and marine life within the South Shore Estuary.

Construction should have no effect on the spread of invasive insect species such as emerald ash borer and Asian longhorn beetle unless infested solid wood packing material (pallets, crates, etc.) is brought to the site and insects emerge from it. Those working on-site should be aware of the possibility that these insects may be present and promptly report anything suspicious to NYSDEC or the NYS Department of Agriculture & Markets. Any trees that may need to be replaced as a result of the project should be tree species that are resistant to these invasive insects.

The proposed action may cause temporary disturbance to more suitable habitat adjacent to the project area from noise and activity during construction, resulting in avoidance of these areas by migratory birds during construction. Overall, the proposed action would have negligible, local, short-term, adverse impacts on wildlife and fish within the project area during construction, but operation could potentially benefit nearby wildlife and fish habitat as a result of reduced pollution in adjacent waterways. Once the sewer extension is operational, fish and shellfish habitat would experience beneficial effects over the long term under this alternative, as the frequency and magnitude of sewage releases would be greatly reduced compared to current conditions. Hypoxic conditions and algal blooms which can cause fish kills and abandonment of areas of poor water quality would be less frequent.

#### ***Threatened and Endangered Species and Critical Habitat***

The project area does not support habitat for threatened and endangered species. Construction of the project would have no effect on threatened and endangered species. Operation could potentially improve adjacent habitats that may be used by threatened and endangered species as a result of reduced pollution.

#### ***Cultural Resources***

Construction of sewer laterals would use a Ditch Witch or small bucket with the disturbance confined within a 1.5-foot trench. Most of the ground-disturbing impacts for this alternative would be limited to the existing sewer ROW under roadways. However, the installation of service laterals, house connections, and LPSGPS would require ground disturbance outside of the ROW. As noted above, at the time of this EA, the project had not proceeded to full engineering design, and the APE for ground-disturbing impacts to occur outside of the existing ROW had not been defined. Therefore, this EA provides a broader approach to assessing the general project area, focusing attention on identifying particular areas of interest for archaeological sensitivity and potential impacts to historic architectural structures.

The highly developed portions of the project area are not likely to contain intact historic or prehistoric archaeological deposits and are not considered archaeologically sensitive. However, some portions of the project area are still considered to have archaeological sensitivity based on probability of intact soils and sensitivity for the presence of cultural resources. The proximity to marine resources and its location along the Patchogue River, combined with known prehistoric activity within the vicinity of the project area, also support prehistoric sensitivity for undisturbed portions of the project area. In consultation with the SHPO (Appendix J), given the construction methods discussed above with disturbance confined to a 1.5-foot trench, additional archaeological testing would be necessary only under the following conditions for ground disturbance outside

the ROW: if ground-disturbing activities were to occur through a known archaeological site or through areas of known early European occupation (18th century or earlier).

There do not appear to be historic-period road surfaces that could be impacted by project activities within the ROW. The proposed action has the potential to impact the setting of historic properties by diminishing the integrity of significant landscape features such as fences and plantings through ground disturbance associated with service laterals or on-site LPSGPS. The precise location of these ground-disturbing activities is unknown. If adverse effects are identified during the preliminary design phase, the effect can be avoided through relocation of the lateral or on-site LPSGPS or restoration of the landscape feature upon completion of construction. The final design would be reviewed by the SHPO for concurrence before the project proceeds. If adverse effects cannot be avoided, they will be mitigated in consultation with the SHPO. Such mitigation measures might include a full reconnaissance survey of the APE that would be conducted upon completion of final design and prior to construction.

### ***Land Use and Planning***

Project implementation would not directly change the function or land use of the parcels in the project area; however, the addition of new infrastructure can often indirectly lead to future land use controls allowing for compact mixed use development. The potential for redevelopment and residential or business displacement would be limited by existing zoning regulations in the project area. No zoning changes or redevelopment plans are proposed as part of the proposed action. Any future changes in zoning would be subject to separate environmental review.

The project area for the proposed action contains 12 parcels that are vacant. While the exact 648 parcels to be serviced by the proposed out-of-district connections would be determined during engineering design, the proposed action may result in minimal induced growth related to the development of these 12 parcels that could be provided with sewer service if they are determined to be included during project design. Based on existing zoning, five of these parcels are zoned as single-family residential (Residence A), with one parcel zoned as multi-family residential (Residence C). Therefore, providing sewer service may result in the development of five single-family homes and one owner-occupied two-family dwelling, garden apartments, apartment house or multi-family dwellings (Village of Patchogue Zoning Code, Section 435-17). Five parcels are zoned as commercial, and one is zoned as industrial within both project areas. Commercial uses that are permitted in these districts generally include personal service shops, certain indoor recreational uses (by special permit), hotels and motels, telephone exchanges, retail stores, restaurants and wholesale stores (by special permit), offices and professional buildings, and undertaking establishments (Village of Patchogue Zoning Code, Section 435-23).

The proposed action would not result in direct impacts on land use or zoning in the project area, but could result in minor, indirect, long-term impacts from potential increased development in the vacant lots. The purpose of the proposed action is consistent with the goals of the Suffolk County Comprehensive Master Plan to provide infrastructure to existing communities and mitigate further degradation of the area's natural resources.

### ***Environmental Justice***

Overall, the proposed action would have substantial beneficial effects on the currently unsewered properties that would be connected to the municipal sewer system via the sewer extension, as well as the balance of the environmental justice study area. Currently occupied out-of-district properties that would be connected to the municipal sewer system would benefit from the elimination of sewage backups and potential septic system failure and the associated cost of clean-up of contaminants in homes, yards, and properties. Beneficial effects of improved coastal resiliency could also include mitigating any potential impacts on property values associated with recurring flooding (Suffolk County 2015a). As a result, the project is anticipated to result in long-term, beneficial effects, which include growth-inducing or indirect socioeconomic impacts, such as increasing population and employment levels, types of housing, types of businesses, property values, and net fiscal flow (i.e., revenue minus expenditures).

No significant adverse effects have been identified for the proposed action. Construction of the proposed action would create minor, short-term, adverse impacts in the environmental justice area, including traffic impacts associated with construction activity. These impacts would be mitigated by implementation of a traffic management plan and project-specific provisions that would require that police and emergency service providers be given adequate advance notice of any street closures and detours. These effects would burden the study area in general and would not be disproportionately high or adverse for minority or low-income populations.

### ***Noise***

During construction, the proposed action would generate noise during excavation of trenches, installation and refilling of trenches, and repaving affected roadways. Construction of the proposed action would require construction equipment, including small power tools and hand tools, jackhammers to break pavement, excavators or backhoes to dig the trenches, small cranes or backhoes to lower piping into the trench, trucks with back up warning sounds, and other power tools, as well as paving machines and trucks to repave the roadway. Noise generated at any one location along the proposed alignment would be short term and localized. Trenching activities would be followed closely by pipe installation, refill, and repaving. In a worst case scenario, in areas along the alignment with residential land uses located approximately 20 feet from the street, noise levels during pavement breaking and trenching could be expected to reach approximately 91 dBA (FHWA 2015). Installation of the pipe is expected to generate lower noise levels, and noise levels during repaving the street, using a paver and a dump truck, would be expected to reach approximately 85.3 dBA (FHWA 2015).

Post construction, the flow in any installed sewer lines would be totally silent. The low-pressure sewer mains are not expected to increase noise levels because the units would be buried. There may be a small amount of noise associated with the operation of the pump station and increased noise as a result of the additional flow to the wastewater treatment facility. This potential increased noise would be localized in the areas of the pump stations and the AWTF.

Contractors for the proposed action would be required to comply with the Village of Patchogue Noise Code. As such, construction would occur between the hours of 7:00 a.m. and 8:00 p.m. Monday through Saturday, excluding legal holidays. Therefore, implementation of the proposed action would result in minor, localized, short- and long-term, adverse impacts that would be in compliance with local noise ordinances.

### ***Transportation***

Construction of the proposed action would result in minor, short-term, adverse impacts on traffic throughout the project area. Construction of the West Avenue Pump Station upgrades may also result in minor, short-term, adverse traffic impacts in the immediate vicinity of the station. Traffic impacts within a specific project subarea would generally last for two to three weeks, depending on the size of the area (length of affected roadway). The construction contractor would be required to prepare and implement a traffic management plan that gives details of any required street closures and detours. Project-specific provisions would require that police and emergency service providers be given adequate advance notice of any street closures and detours. With the implementation of the traffic management plan, the short-term traffic impacts during construction would be minimized.

Operation of the proposed action would also result in beneficial effects on traffic due to a reduction in vehicular trips associated with on-site wastewater treatment systems. Under the proposed action, OSWS would be eliminated on 648 parcels, due to connection to the sewer system, thereby reducing the number of truck trips required for hauling septage relative to existing conditions.

Thus, the project would result in minor, short-term, adverse impacts during construction with potential for a long-term, beneficial effect due to a reduction in vehicular trips associated with OSWS failure and scheduled septage pumping.

***Public Services and Utilities***

Impacts on the existing AWTF would be negligible, long-term, and adverse because of additional sewage treatment service to 648 parcels. The 300,000 GPD of sewage (average daily flow) would be accommodated by available (surplus) capacity at the AWTF (H2M 2014). Because the AWTF currently uses both process treatment trains to process the current flow, additional electricity consumption would not increase as a result of the additional flow from the proposed action.

Minimal to no disruption to wastewater treatment is anticipated during construction, as the LPSGPS would be installed, connected, and the OSWS would subsequently be decommissioned. LPSGPS would require a control panel at each property to automatically start and stop the pump so that the wastewater is pumped to the mainline sewer in the road. Each control panel requires single-phase 24 OV/30 Amp. LPSGPS operations would result in a negligible, local, long-term, adverse impact due to the incremental amount of electricity expended at each property (similar to that of a 40-watt light bulb) (Citizens Energy Group 2013). If there is a power failure, LPSGPS would continue to operate until reaching their capacity of approximately 70 gallons, estimated at 3 days (assuming 1.5 gallons per flush). As a result of power failure, the normal wastewater flow would decrease because appliances that require electricity to operate would be inoperable. For extended periods of power outage, village staff would follow an emergency plan and use a mobile generator to empty the basins during the duration of the outage.

Contractors selected to construct the project would identify and map the location of underground utility transmission lines prior to trenching in order to avoid affecting such utilities. Except for the minimal potential for construction equipment to damage overhead electric transmission infrastructure during construction activity, electric service would not be affected by construction or operation of the project.

The amount of energy that would be used by the improved West Avenue Pump Station and existing AWTF to transport and treat the additional flow would be more substantial, with incremental use estimated at approximately 10 percent. Recent upgrades to the AWTF expansion project completed in 2011 have incorporated energy efficiency measures recommended by the New York State Energy Research and Development Authority. Upgrades to the West Avenue Pump Station under the proposed action are expected to incorporate energy efficiency measures to the extent practicable—the existing 3 horsepower pumps would be replaced with higher capacity, more efficient 3 horsepower pumps (Village of Patchogue 2015b). The 60-kW diesel generator at the West Avenue Pump Station would be replaced in-kind; therefore, no impacts are anticipated.

The proposed action would expand sewer service, resulting in a beneficial effect on public services and no adverse effect on the transmission or distribution of electricity and would have a negligible impact on energy load.

***Public Health and Safety***

Construction of the proposed action would result in minor, short-term, adverse impacts on public health and safety. Construction activities would generate dust, and construction equipment would produce emissions as well as generate noise, resulting in minor, short-term impacts on air quality and noise in the vicinity of construction activity. To mitigate potential effects during construction, all construction activities would be performed using qualified personnel and in accordance with the standards specified in OSHA regulations. Contractors would adhere to federal, state, and local regulations, including those dealing with air quality and noise. Appropriate signage and barriers would be in place prior to construction activities to alert pedestrians and motorists of project activities.

The proposed action would protect public health and safety in the area by minimizing the risk of discharging partially treated or untreated sewage into buildings or yards, and overflows onto the land or into surface waters, effectively mitigating the moderate, long-term, adverse public health and safety risks that would persist without project implementation. The sewer district expansion has the dual purpose of mitigating short-term and repetitive, adverse impacts on human life and property and mitigating long-term, adverse impacts associated with OSWS failures. The proposed action would enhance the village's ability to provide continuous operation and wastewater treatment services during normal and severe weather.

Maintaining these operations would reduce the risk of discharges from on-site sanitary disposal systems, which would benefit water quality. The water quality would create stronger wetlands which would assist in reducing tidal action and flooding which reduces public safety issues during floods. Thus, the proposed action would result in minor, short-term, adverse impacts and long-term, beneficial effects on public health and safety.

### ***Hazardous Materials***

Construction of the proposed action has the potential to generate some hazardous materials through the use of fuels and lubricants. The contractor would be required to have a spill prevention and control plan on-site, and equipment would not be operated in or over water. Construction also has the potential to uncover hazardous materials in excavated soils, although the potential risk is very low based on known contaminant sources.

During construction of the proposed action, the contractor would be responsible for ensuring that all excavated material and soils are handled, transported, and disposed of in accordance with all applicable regulations. If soils (or other material) encountered during excavation or any construction activity indicate signs of potential contamination, the contractor would be required to characterize the soil (and/or other material) to determine an appropriate upland disposal site. Any hazardous waste produced would be managed by NYSDEC-permitted haulers and disposal sites. The contract documents would state that the contractor would comply with all applicable federal, state, and local laws, codes, and regulations, including but not limited to 6 NYCRR Part 375, Environmental Remediation Programs. If fill material is required to backfill trenches, it would be clean fill.

Abandonments of commercial cesspools and septic systems would be overseen by the Suffolk County Department of Health Services, requiring any contamination in the systems to be remediated. Therefore, negligible hazardous material-related impacts would result from the proposed action. The proposed action would result in potential, negligible, short-term, adverse impacts related to hazardous materials.

### ***Climate Change***

Construction activities would result in negligible, short-term, greenhouse gas emissions from operation of equipment and worker commutes. The proposed action would result in a net reduction in greenhouse gas emissions related to wastewater treatment by switching approximately 648 households from septic to centralized treatment. It could reduce methane emissions approximately 86 percent based on EPA national-level inventory data (EPA 2014b); however, the actual emissions reduction would depend on the detailed engineering design. Data to compare the potential change in nitrous oxide emissions between centralized treatment and septic systems is not available; however, based on the substantial reduction in methane emissions it can be concluded that the net long-term effect on greenhouse gas emissions would be beneficial. The proposed action would result in negligible increases in greenhouse gas emissions associated with the 10 percent increase in electricity consumption at the West Avenue Pump Station, as well as the on-site LPSGPS that expend an incremental amount of electricity equal to that of a 40-watt light bulb times the number of LPSGPS connections (Citizens Energy Group 2013).

Due to decreased nitrogen loading, the proposed action would have indirect benefits of mitigating potential climate change impacts, including increased tidal flooding, because it would slow the degradation of wetlands. Healthy tidal wetlands can slow water velocity and stabilize the shoreline through sediment deposition, providing a buffer against climate change.

### ***Cumulative Impacts***

The proposed action is geographically distant from the other projects in the Suffolk County Coastal Resiliency Initiative, and while it would be adjacent to the River Avenue Project, construction would not occur concurrently. Therefore, no short-term cumulative impacts during construction would result to geology, soils and topography, air quality, vegetation, wildlife and fish, threatened and endangered species, cultural resources, land use, noise, transportation, public services, public health and safety, hazardous materials, and climate change.

In the long-term, during project operation, the proposed action would have no impact, negligible, or minor, adverse impacts that would be mitigated on geology, soils and topography, air quality, cultural resources, land use, noise, transportation, and hazardous materials. Therefore, the proposed action would have an imperceptible contribution to long-term cumulative impacts on these resources.

When combined with other reasonably foreseeable projects, the proposed action would contribute to reduced sanitary wastewater overflow during future flood events, resulting in a noticeable contribution to beneficial cumulative impacts on the health of vegetation in adjacent wetlands, as well as habitats used by wildlife and fish and threatened and endangered species.

The proposed action would have a noticeable beneficial cumulative effects when combined with the SSD #3, Carlls River, Connetquot River, Forge River, and River Avenue projects on nitrogen loading in the Great South Bay. Given the time of travel to receiving waterbodies in the areas being sewered, it is expected that nitrogen levels in the Great South Bay would be diminished by as much as 13 percent in as little as 2 to 5 years from operation of all projects in the Suffolk County Coastal Resiliency Initiative. Wetland restoration and coastal protection benefits would begin to accrue in years 6 to 10, as non-point nitrogen inputs into the Great South Bay and other receiving waterbodies diminish further. Once nitrogen loads are reduced, it is projected that subaquatic vegetation would begin to expand in 20 to 25 years (FEMA 2015).

Removing OSWS would reduce localized shallow groundwater recharge; however, this loss of recharge would correspond to a reduction in contaminant flow into the shallow aquifer, and may also result in a lowering of the water table, which could lead to less flooding in the low-lying areas within each individual project area. Given the overall size of the aquifer, the decrease in recharge is considered to be negligible and would not be a concern because residents are supplied with drinking water by the Suffolk County Water Authority, and the zone of contribution to the well fields in Patchogue would not be impacted by the project.

The existing AWTF SPDES permit (number NY0023922) stipulates a maximum effluent flow of 800,000 GPD from the facility, with a total nitrogen limit of <10 mg/L. The AWTF currently treats an average daily flow of approximately 300,000 GPD, with a current available capacity of 500,000 GPD. The River Avenue Project would generate approximately 31,000 GPD, which when added to the estimated 300,000 GPD increase in average daily flow resulting from the proposed action would result in a cumulative increase of 331,000 GPD in additional average daily flow of wastewater to the AWTF (H2M 2012). The AWTF has existing capacity to support the additional flows associated with both projects. When both projects are implemented, the AWTF would have an estimated 169,000 GPD remaining in available capacity.

The proposed action would also have a noticeable contribution to beneficial cumulative effects for the entire project area, including minority and low-income populations, because of reduced cost for clean-up of contaminants, potential increased property values, growth-inducing impacts, increased tourism revenues from the reduced frequency of beach closures because of improved water quality, and the revitalization of the shellfishing industry.

It would also have a noticeable contribution to beneficial cumulative effects on public health and safety by minimizing the risk of discharging partially treated or untreated sewage into the area and effectively mitigating the moderate, long-term, adverse public health and safety risks that would otherwise persist without the project. Due to decreased nitrogen loading, the proposed action would contribute to cumulative benefits of mitigating potential climate change impacts.

### ***Evaluation of Alternatives***

Two alternatives to the proposed action were evaluated, including the no-action alternative, under which no additional sewer infrastructure would be constructed to expand the collection system or connect presently unsewered parcels to the system; and a second action alternative, which would construct a vacuum sewer system to extend sanitary sewer service to 388 parcels (approximately 40% fewer than the proposed action). Among the alternatives evaluated, the proposed action would best meet the primary project purpose and need of mitigating short-term and repetitive, adverse impacts on human life and property associated with OSWS failures in the project area caused by natural hazards. The proposed action also would also best help to mitigate

long-term, adverse impacts associated with such failures on surface waters and coastal wetlands that reduce the ability of these waters and wetlands to provide natural protection against storm surge.

The proposed action would have no major impact on the human environment and is expected to improve some aspects of the human environment in the vicinity of the project site, such as water resources, climate change, public services and utilities, and public health and safety. The proposed project would not result in major impacts with respect to geology, soils and topography, air quality, vegetation, wildlife and fish, threatened and endangered species, cultural resources, aesthetic resources and neighborhood character, land use and planning, socioeconomics and environmental justice, noise, transportation, and hazardous materials. No major cumulative impacts would result from the proposed project in conjunction with the Suffolk County Coastal Resiliency Initiative or River Avenue Sewer Project.

Short-term impacts during construction are anticipated on soils, surface water, transportation, air quality, and noise. In cases where short-term potential impacts have been identified, impacts would be mitigated through design, regulatory compliance, and/or implementation of BMPs.

**Standard Requirements:**

Any change to the Proposed Project as described will require re-evaluation by GOSR's Certifying Officer for compliance with SEQRA and other law, regulations and policies.

This review does not address all federal, state and local requirements. Acceptance of federal funding requires recipient to comply with all federal, state and local laws. Failure to obtain all appropriate federal, state and local environmental permits and clearances may jeopardize federal funding. FEMA is the lead agency under the National Environmental Policy Act (NEPA) and related laws for the environmental review of the proposed action.

**Additional Mitigation Measures:**

The grant recipient must adhere to the following conditions during project implementation and consider the conservation recommendations outlined below, as failure to comply with grant conditions may jeopardize federal funds.

- EPA conformity analysis shall be conducted in accordance with federal general conformity regulations as required by the Clean Air Act to ensure that emissions would not affect the state's ability to meet the NAAQS and New York State Ambient Air Quality Standards.
- Floodplain Best Available Data shall be used to determine the 100-year floodplain elevation for final engineering design in accordance with 44 CFR Part 9. At the time of this publication, FIRM panels 36103C0694H BS 36103C0907H, dated September 25, 2009, are the best available data.
- BMPs that prevent the introduction, establishment, and spread of invasive plant species shall be implemented. Invasive species shall be removed when encountered, per U.S. Department of Agriculture and state agency guidelines, and suppression or removal practices to prevent their introduction, establishment, and spread shall be implemented. Woody materials and debris shall be treated and stored to manage for invasive insects, particularly for sites in Asian longhorn beetle and emerald ash borer quarantine zones. Any trees that may need to be replaced as a result of the project should be tree species that are resistant to these invasive insects.
- Electric utility connections shall be approved by the affected public service companies and be completed in accordance with their requirements and local building codes.
- Excavated soils and waste materials, including hazardous waste, shall be managed and disposed of in accordance with applicable federal, state, and local regulations. Solid waste haulers will be required to have a NYSDEC waste transporter permit and all waste will need to be disposed of or processed at a permitted solid waste management facility.

- Proposed construction shall comply with the NYSDEC SPDES permit for Stormwater Discharge from Construction Activity, in accordance with New York State Environmental Conservation Law. A Soil Erosion and Sediment Control Plan and SWPPP shall be developed and implemented.
- Construction BMPs shall be employed, including soil erosion and sediment control measures, dust control, noise abatement, and restriction of work areas to limit vegetation removal and habitat impacts, including covering haul trucks and soil piles, and restoring/replanting areas where vegetation is disturbed.
- Diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment shall be used for transportation, soil movement, or other construction activities, including:
  - Strategies and technologies that reduce unnecessary idling, including auxiliary power units, the use of electric equipment, and strict enforcement of idling limits to five minutes or less in accordance with New York State regulations; and
  - Use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment.
- In the event of an unexpected discovery of threatened or endangered species, the subgrantee shall immediately stop construction until consultation by FEMA with USFWS has been completed.
- Noise abatement in residential areas shall limit construction activities, including operation of heavy machinery, to comply with the Village of Patchogue Noise Code. As such, construction shall occur between the hours of 7:00 a.m. and 8:00 p.m. Monday through Saturday, excluding legal holidays. Construction activities within 200 feet of noise-sensitive receptors shall be avoided to the extent practicable.
- Excavation dewatering shall adhere to BMPs for water management and adherence to all applicable local, state, and federal regulations. Treatment of groundwater may be required prior to recharge back into the shallow groundwater flow system, if required.
- A Health and Safety Plan shall be developed and OSHA standards shall be followed during construction to avoid adverse impacts on worker health and safety. Procedures will be established in the Health and Safety Plan for the proper handling and treatment of any unforeseen soil contamination in the case of soil excavation.
- In the event of an unexpected discovery of cultural resources, the subgrantee shall immediately stop construction in the vicinity of the discovery; and take all reasonable measures to avoid or minimize harm to the property until FEMA has completed consultation with the SHPO.
- Adequate maintenance of equipment shall be ensured, including proper engine maintenance, adequate tire inflation, and proper maintenance of pollution control devices.
- Construction activities shall not commence until 15 days after the date that the FONSI has been signed as “Approved.”

To the extent required and/or practicable, any approval of the proposed project is also subject to following mitigation measures being adhered to by the grant recipient to minimize environmental impacts and create a more sustainable project:

- Construction and demolition – to the maximum extent possible, utilize local and recycled materials in construction process and recycle materials generated onsite.
- Energy efficiency – energy-efficient technologies should be incorporated into the West Avenue Pump Station Upgrades when possible; and

**Coordinated Review:**

GOSR circulated a SEQRA lead agency coordination letter and Part 1 EAF to involved and interested agencies on May 4, 2015, including: Suffolk County, Village of Patchogue, Town of Brookhaven, New York State Department of Environmental Conservation (DEC), New York State Office of Historic Preservation (SHPO),

New York State Department of State (DOS), New York State Division of Homeland Security and Emergency Services (DSHES), New York State Environmental Facilities Corporation (EFC), and Metropolitan Transportation Authority Long Island Railroad (MTA). Responses consenting to GOSR serving as SEQRA lead agency were received from the Suffolk County Council on Environmental Quality, Departments of Public Works, and Economic Development and Planning, SHPO, DOS, DSHES, EFC and MTA. No substantive comments were provided in the responses received.

**Determination of Significance:**

In addition to the factors considered above, the GOSR considered the following guidance from the State Environmental Quality Review Act and its implementing regulations and determined that the Proposed Action would:

- (ii) Not result in “the removal or destruction of large quantities of vegetation or fauna; substantial interference with the movement of any resident or migratory fish or wildlife species; impacts on a significant habitat area; substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources;” (§617.7(c)(1)(iii))
- (iv) Not result in “the creation of a material conflict with a community’s current plans or goals as officially approved or adopted;” (§617.7(c)(1)(iv))
- (vi) Not result in “a major change in the use of either the quantity or type of energy;” (§617.7(c)(1)(vi))
- (vii) Not result in “the creation of a hazard to human health;” (§617.7(c)(1)(vii))
- (viii) Not result in “a substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses;” (§617.7(c)(1)(viii))
- (ix) Not result in “the encouraging or attracting of a large number of people to a place or places for more than a few days, compared to the number of people who would come to such place absent the action;” (§617.7(c)(1)(ix))
- (x) Not result in “the creation of a material demand for other actions that would result in one of the above consequences;” (§617.7(c)(1)(x))
- (xi) Not result in “changes in two or more elements of the environment, no one of which has a significant impact on the environment, but when considered together result in a substantial adverse impact on the environment; or (§617.7(c)(1)(xi))

Therefore, GOSR, acting as Lead Agency, and having prepared a Full Environmental Assessment Form (FEAF), has determined that the proposed action will not have a significant effect on the environment and a Draft Environmental Impact Statement will not need to be prepared.



Thomas J. King  
Date: April 4, 2016  
Assistant General Counsel  
Director – Bureau of Environmental Review and Assessment  
Governor’s Office of Storm Recovery  
99 Washington Avenue Suite 1224  
Albany, New York 12260  
Office: (518) 473-0015

Attachments:

- Attachment 1. Environmental Assessment Form (Parts 1, 2 and 3)
- Attachment 2. Negative Declaration Distribution List
- Attachment 3. References

A copy of this Notice is available at the following web address:

<http://www.stormrecovery.ny.gov/environmental-docs>

**ATTACHMENT 1. Environmental Assessment Form (Parts 1, 2 and 3)**

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**Full Environmental Assessment Form**  
**Part 1 - Project and Setting**

**Instructions for Completing Part 1**

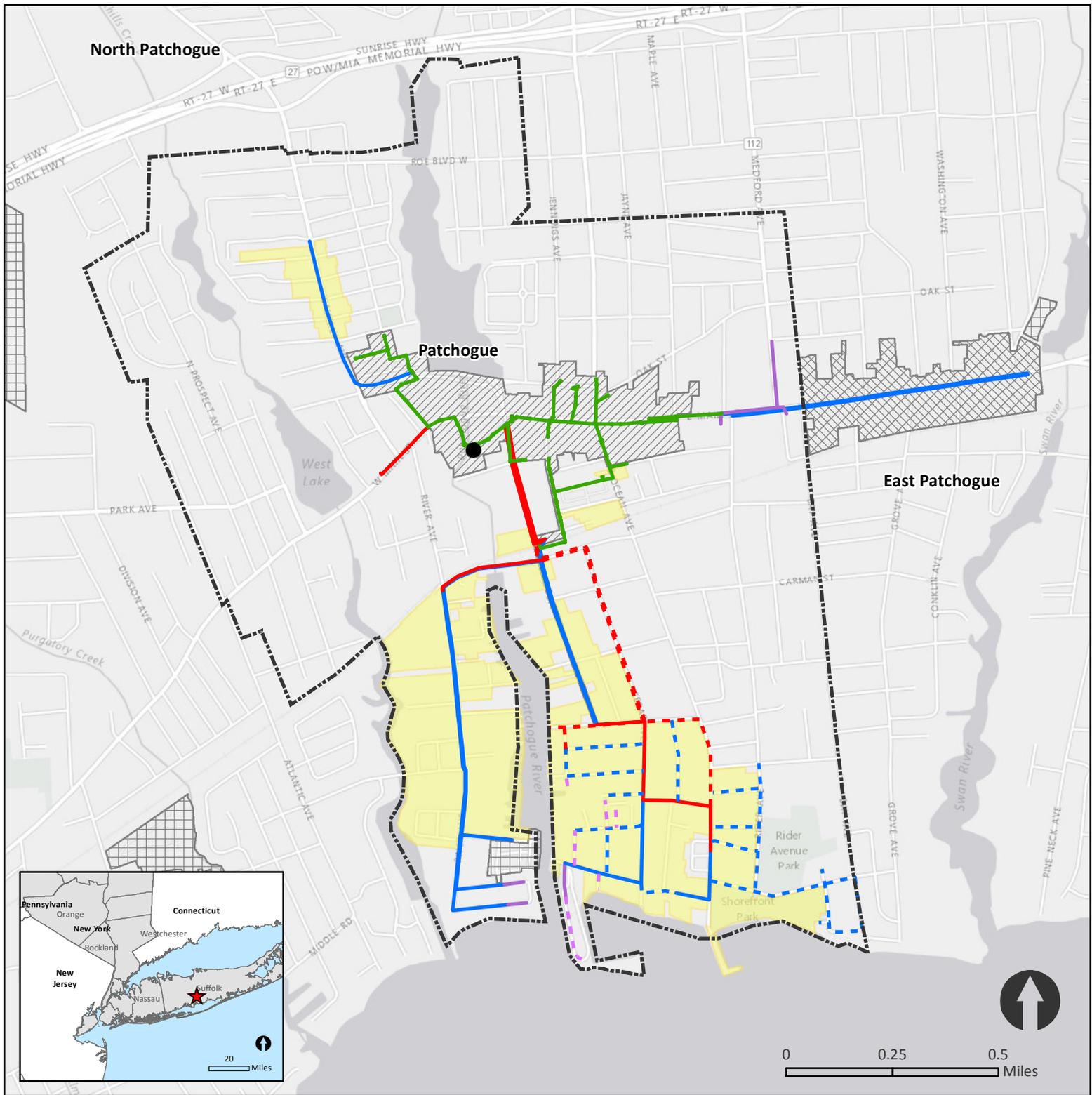
**Part 1 is to be completed by the applicant or project sponsor.** Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either “Yes” or “No”. If the answer to the initial question is “Yes”, complete the sub-questions that follow. If the answer to the initial question is “No”, proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Sponsor Information.**

Name of Action or Project: Village of Patchogue Out-of-District Sewer Extension		
Project Location (describe, and attach a general location map): Village of Patchogue, Suffolk County, NY 11772 (see <b>Figure 1</b> )		
Brief Description of Proposed Action (include purpose or need): The Proposed Action would connect unsewered properties in low-lying areas that suffer from recurring tidal flooding. It would address nitrogen and pathogen pollution in the Patchogue River and Great South Bay by reducing the total net nitrogen load into the South Shore Estuary from existing on-site sanitary disposal systems. The Proposed Action seeks to improve groundwater and surface water quality, and increase resiliency by restoring tidal wetland and subaquatic vegetation that would attenuate wave action and reduce the damaging effects of storm surge. The Proposed Action consists of the construction of upgrades to the existing sewer collection system and pump station infrastructure and the extension of sanitary sewer service to approximately 616 parcels outside the existing boundary of the Patchogue Sewer District. The additional flow when all parcels with extended infrastructure are connected to the collection system is estimated at 300,000 gallons per day (GPD). The Proposed Action includes: 1) Collection System Extension: the low pressure sewer extension would install 18,672 linear feet (LF) of 2 to 4-inch diameter high-density polyethylene (HDPE) piping within existing paved public rights-of-way; 2) Individual Sewer Connections: individual on-site grinder stations and new service laterals of 1.25-inch diameter HDPE piping would be installed to connect the unsewered parcels to the system; and 3) Pump Station Upgrades: the sewage treatment plant has available capacity to accept the estimated additional flow, however, the project would upgrade the West Avenue Pump Station by replacing the existing pumps with pumps of greater flow capacity to accommodate the increased sanitary flows, and installing an emergency generator and controls. Implementation of the Proposed Action potentially involves federal, state and local approvals, and is subject to NEPA and SEQRA and their implementing regulations.		
Name of Applicant/Sponsor: New York State Governor's Office of Storm Recovery (GOSR)		Telephone: (212) 480-4644 E-Mail: Daniel.Greene@stormrecovery.ny.gov
Address: 25 Beaver Street, 5th Floor		
City/PO: New York	State: New York	Zip Code: 10004
Project Contact (if not same as sponsor; give name and title/role): Daniel Greene, Deputy General Counsel		Telephone: (212) 480-4644 E-Mail: Daniel.Greene@stormrecovery.ny.gov
Address: 25 Beaver Street, 5th Floor		
City/PO: New York	State: New York	Zip Code: 10004
Property Owner (if not same as sponsor): Various property owners, public and private. This information will be discussed in the EA.		Telephone: N/A E-Mail: N/A
Address: Various		
City/PO: Village of Patchogue	State: New York	Zip Code: 11772



**Legend**

- Project Area
- Patchogue Sewage Treatment Plant
- In-District Gravity System
- Existing 2 Inch LPS Force Main
- Existing 3 Inch LPS Force Main
- Existing 4 Inch LPS Force Main
- Proposed 2 Inch LPS Force Main
- Proposed 3 Inch LPS Force Main
- Proposed 4 Inch LPS Force Main
- Village Boundary
- Town Sewer Districts
- Village Sewer Districts
- Private Sewer Areas

Figure 1  
**Project Location**

**Village of Patchogue  
Out-of-District Sewer Extension**

Source: U.S. Fish and Wildlife Service; Suffolk County GIS; NYS Dept. of State; NYS Department of Environmental Conservation; FEMA; ESRI World Imagery; ESRI Street Map; Engineering Report for the Coastal Resiliency & Nitrogen Mitigation Plan (CRNMP) for the Patchogue River (H2M 2014)

**B. Government Approvals**

**B. Government Approvals, Funding, or Sponsorship.** (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date * (Actual or projected)
a. City Council, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Patchogue Planning Board (Local WRP Consistency Review)	
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Suffolk County Dept. Health Services (Sanitary Code Articles 6, 7, 9, 12), Suffolk County Dept. Public Works (road opening)	
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	DEC (ECL Articles 15, 24, 25; SPDES; CWA Section 401); DOS (Coastal Consistency); OPRHP (Section 106 / 14.09)	
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	USACE (CWA Section 404 Nationwide Permit No. 12); USEPA (Sole Source Aquifer Protection); USFWS (Section 7)	
<p>i. Coastal Resources.</p> <p><i>i.</i> Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input checked="" type="checkbox"/>Yes<input type="checkbox"/>No</p> <p><i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input checked="" type="checkbox"/>Yes<input type="checkbox"/>No</p> <p><i>iii.</i> Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/>Yes<input checked="" type="checkbox"/>No</p>		

\* This information is to be determined and will be discussed in the Environmental Assessment

**C. Planning and Zoning**

**C.1. Planning and zoning actions.**

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? YesNo

- **If Yes**, complete sections C, F and G.
- **If No**, proceed to question C.2 and complete all remaining sections and questions in Part 1

**C.2. Adopted land use plans.**

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? YesNo

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? YesNo

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) YesNo

If Yes, identify the plan(s):

Long Island South Shore Estuary Reserve Comprehensive Management Plan (2001), Suffolk County Comprehensive Water Resources Management Plan (2010, update in progress, anticipated 2015), Suffolk County Brownfield Opportunity Area (2012), Tuthills Creek Watershed Management Plan (in progress, anticipated 2015)

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? YesNo

If Yes, identify the plan(s):

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**C.3. Zoning**

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance.  Yes  No  
If Yes, what is the zoning classification(s) including any applicable overlay district?

The project area encompasses parcels in a mix of zoning classifications, including residence, business, industrial, waterfront development and general waterfront districts.

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No

If Yes,

i. What is the proposed new zoning for the site? \_\_\_\_\_

**C.4. Existing community services.**

a. In what school district is the project site located? Patchogue-Medford Union Free School District

b. What police or other public protection forces serve the project site?  
Suffolk County Police Department

c. Which fire protection and emergency medical services serve the project site?  
Patchogue Fire Department

d. What parks serve the project site?  
Shorefront Park, Fire Island National Seashore, Father Tortora Park, Rider Avenue Park

**D. Project Details**

**D.1. Proposed and Potential Development**

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?  
Utility / Infrastructure: construction of sewer mains, service laterals, on-site grinder stations and pump station upgrades

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ ± 270 acres  
b. Total acreage to be physically disturbed? \_\_\_\_\_ ± 2.5 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? \_\_\_\_\_ TBD in EA\* acres  
\* All roadways, where sewer mains are to be constructed, are publicly owned or controlled, but on-site grinder stations and service laterals may occur on privately owned property.

c. Is the proposed action an expansion of an existing project or use?  Yes  No  
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? 23% of sewer conveyance infrastructure Units: 18,672 LF

d. Is the proposed action a subdivision, or does it include a subdivision?  Yes  No  
If Yes,  
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types) \_\_\_\_\_  
ii. Is a cluster/conservation layout proposed?  Yes  No  
iii. Number of lots proposed? \_\_\_\_\_  
iv. Minimum and maximum proposed lot sizes? Minimum \_\_\_\_\_ Maximum \_\_\_\_\_

e. Will proposed action be constructed in multiple phases?  Yes  No  
i. If No, anticipated period of construction: 18 months  
ii. If Yes:  
• Total number of phases anticipated \_\_\_\_\_  
• Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ month \_\_\_\_\_ year  
• Anticipated completion date of final phase \_\_\_\_\_ month \_\_\_\_\_ year  
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

f. Does the project include new residential uses?  Yes  No  
 If Yes, show numbers of units proposed.

	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes, \*If a structure is required, it would be related to the upgrade of an existing pump station; this information is to be determined and will be discussed in the EA.

i. Total number of structures 616 grinder stations and 18,672 LF of sewer infrastructure

ii. Dimensions (in feet) of largest proposed structure: TBD\* height; TBD \* width; and 18,672 LF length

iii. Approximate extent of building space to be heated or cooled: \_\_\_\_\_ 0 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?  Yes  No  
 If Yes,

i. Purpose of the impoundment: \_\_\_\_\_

ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  Other specify: \_\_\_\_\_

iii. If other than water, identify the type of impounded/contained liquids and their source. \_\_\_\_\_

iv. Approximate size of the proposed impoundment. Volume: \_\_\_\_\_ million gallons; surface area: \_\_\_\_\_ acres

v. Dimensions of the proposed dam or impounding structure: \_\_\_\_\_ height; \_\_\_\_\_ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): \_\_\_\_\_

**D.2. Project Operations**

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both?  Yes  No  
 (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i. What is the purpose of the excavation or dredging? Construction of sewer mains, service laterals and on-site grinder stations.

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): This information is to be determined and will be discussed in the EA
- Over what duration of time? ±18 months

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
Excavation required of earth and/or rock. Open cut excavation methods will principally be used. In some areas directional drilling may be used to minimize restoration of surfaces. Suitable soils will be placed back into utility trenches and compacted. Remaining excavated material would be hauled by an approved excavation contractor to a licensed facility.

iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No  
 If yes, describe. \_\_\_\_\_

v. What is the total area to be dredged or excavated? \_\_\_\_\_ ± 2.5 acres

vi. What is the maximum area to be worked at any one time? \_\_\_\_\_ ± 500 linear feet

vii. What would be the maximum depth of excavation or dredging? \_\_\_\_\_ ± 4 feet

viii. Will the excavation require blasting?  Yes  No

ix. Summarize site reclamation goals and plan: Suitable soils will be placed back into utility trenches and compacted per utility requirements. Remaining excavated material would be hauled by an approved excavation contractor to a licensed facility.

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? TBD  Yes  No  
 If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): The construction of service laterals and grinder stations may potentially result in the alteration of, increase or decrease in size of, or encroachment into existing wetlands or adjacent areas. Potential effects are to be determined and will be discussed in the EA.

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

The construction of service laterals and grinder stations may potentially result in the excavation, fill or placement of structures in existing wetlands or adjacent areas. Potential effects are to be determined and will be discussed in the EA.

iii. Will proposed action cause or result in disturbance to bottom sediments?  Yes  No

If Yes, describe: \_\_\_\_\_

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? TBD  Yes  No

If Yes:

- acres of aquatic vegetation proposed to be removed: The proposed action may result in removal of aquatic vegetation, which will be determined and discussed in the EA.
- expected acreage of aquatic vegetation remaining after project completion: TBD in EA
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): Excavation for construction of service laterals and grinder stations
- proposed method of plant removal: Open cut excavation methods will principally be used. In some areas directional drilling may be used to minimize impacts.
- if chemical/herbicide treatment will be used, specify product(s): TBD in EA

v. Describe any proposed reclamation/mitigation following disturbance: TBD in EA

c. Will the proposed action use, or create a new demand for water?  Yes  No

If Yes:

i. Total anticipated water usage/demand per day: \_\_\_\_\_ gallons/day

ii. Will the proposed action obtain water from an existing public water supply?  Yes  No

If Yes:

- Name of district or service area: \_\_\_\_\_
- Does the existing public water supply have capacity to serve the proposal?  Yes  No
- Is the project site in the existing district?  Yes  No
- Is expansion of the district needed?  Yes  No
- Do existing lines serve the project site?  Yes  No

iii. Will line extension within an existing district be necessary to supply the project?  Yes  No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_
- Source(s) of supply for the district: \_\_\_\_\_

iv. Is a new water supply district or service area proposed to be formed to serve the project site?  Yes  No

If Yes:

- Applicant/sponsor for new district: \_\_\_\_\_
- Date application submitted or anticipated: \_\_\_\_\_
- Proposed source(s) of supply for new district: \_\_\_\_\_

v. If a public water supply will not be used, describe plans to provide water supply for the project: \_\_\_\_\_

vi. If water supply will be from wells (public or private), maximum pumping capacity: \_\_\_\_\_ gallons/minute.

d. Will the proposed action generate liquid wastes?  Yes  No

If Yes:

i. Total anticipated liquid waste generation per day: 300,000 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): The additional flow when all parcels with extended infrastructure are connected to the collection system is estimated at 300,000 gallons per day (GPD).

iii. Will the proposed action use any existing public wastewater treatment facilities?  Yes  No

If Yes:

- Name of wastewater treatment plant to be used: Village of Patchogue Sewage Treatment Plant
- Name of district: Village of Patchogue Sewer District
- Does the existing wastewater treatment plant have capacity to serve the project?  Yes  No
- Is the project site in the existing district? The Proposed Action would extend sanitary sewer service to approximately 616 parcels outside the boundary of the Patchogue Sewer District as out-of-district connections.  Yes  No
- Is expansion of the district needed?  Yes  No

• Do existing sewer lines serve the project site?  Yes  No  
 • Will line extension within an existing district be necessary to serve the project?  Yes  No  
 If Yes:  
 • Describe extensions or capacity expansions proposed to serve this project: Approximately half of the parcels have available service laterals already connected to sewer mains that were installed as part of the previous sewer extension projects, while the remaining parcels do not have sewer availability and require additional sewer infrastructure to be installed to facilitate their connection.

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site?  Yes  No  
 If Yes:  
 • Applicant/sponsor for new district: \_\_\_\_\_  
 • Date application submitted or anticipated: \_\_\_\_\_  
 • What is the receiving water for the wastewater discharge? \_\_\_\_\_

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):  
 \_\_\_\_\_  
 \_\_\_\_\_

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes: The proposed action will disturb more than one acre during construction; all resulting structures will be subsurface and will not generate additional stormwater post construction.

i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or 0 acres (impervious surface)  
 \_\_\_\_\_ Square feet or ±270 acres (parcel size) (study area size)

ii. Describe types of new point sources. Construction point sources include ditches for installation of sewer main and service laterals.

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?  
A stormwater pollution prevention plan will be developed which will identify best management practices that will be employed for construction stormwater management. Stormwater will be directed to existing stormwater infrastructure systems.  
 • If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
 \_\_\_\_\_

• Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater?  Yes  No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
None during operations. During the construction phase of the project, construction equipment will be minor mobile sources of air emissions

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
None.

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
Emergency generator at West Avenue Pump Station would produce emissions on occasion, during emergency operations and routine testing.

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No

ii. In addition to emissions as calculated in the application, the project will generate: \*

- \_\_\_\_\_ Tons/year 0\* (short tons) of Carbon Dioxide (CO<sub>2</sub>)
- \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)
- \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)
- \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)
- \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)
- \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)?  Yes  No

If Yes:

i. Estimate methane generation in tons/year (metric): \_\_\_\_\_

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): \_\_\_\_\_

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i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations?  Yes  No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): \_\_\_\_\_

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j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services?  Yes  No

If Yes:

i. When is the peak traffic expected (Check all that apply):  Morning  Evening  Weekend  
 Randomly between hours of \_\_\_\_\_ to \_\_\_\_\_.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: \_\_\_\_\_

iii. Parking spaces: Existing \_\_\_\_\_ Proposed \_\_\_\_\_ Net increase/decrease \_\_\_\_\_

iv. Does the proposed action include any shared use parking?  Yes  No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: \_\_\_\_\_

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vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site?  Yes  No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles?  Yes  No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes?  Yes  No

---

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy?  Yes  No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: \_\_\_\_\_

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): \_\_\_\_\_

iii. Will the proposed action require a new, or an upgrade to, an existing substation?  Yes  No

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l. Hours of operation. Answer all items which apply.

<p>i. During Construction: 7:00 AM - 3:00 PM or as union</p> <ul style="list-style-type: none"> <li>• Monday - Friday: <u>labor agreements stipulate</u></li> <li>• Saturday: <u>None</u></li> <li>• Sunday: <u>None</u></li> <li>• Holidays: <u>None</u></li> </ul>	<p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: <u>Infrastructure would operate 24 hours per day.</u></li> <li>• Saturday: <u>7 days per week</u></li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul>
--	--

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both?  Yes  No

If yes:

i. Provide details including sources, time of day and duration:  
During construction, noise sources include a small bucket backhoe for the excavation of utility trenches for sewer mains and service laterals. No noise sources would exceed ambient noise levels during operations.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No  
Describe: \_\_\_\_\_

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n.. Will the proposed action have outdoor lighting?  Yes  No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
\_\_\_\_\_

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen?  Yes  No  
Describe: \_\_\_\_\_

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o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No  
If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: \_\_\_\_\_

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p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage?  Yes  No

If Yes:

i. Product(s) to be stored \_\_\_\_\_

ii. Volume(s) \_\_\_\_\_ per unit time \_\_\_\_\_ (e.g., month, year)

iii. Generally describe proposed storage facilities: \_\_\_\_\_

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q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation?  Yes  No

If Yes:

i. Describe proposed treatment(s):  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

ii. Will the proposed action use Integrated Pest Management Practices?  Yes  No

---

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)?  Yes  No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)
- Operation : \_\_\_\_\_ tons per \_\_\_\_\_ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: \_\_\_\_\_
- Operation: \_\_\_\_\_

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: \_\_\_\_\_
- Operation: \_\_\_\_\_

s. Does the proposed action include construction or modification of a solid waste management facility?  Yes  No  
 If Yes:  
 i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): \_\_\_\_\_  
 ii. Anticipated rate of disposal/processing:  
 • \_\_\_\_\_ Tons/month, if transfer or other non-combustion/thermal treatment, or  
 • \_\_\_\_\_ Tons/hour, if combustion or thermal treatment  
 iii. If landfill, anticipated site life: \_\_\_\_\_ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste?  Yes  No  
 If Yes:  
 i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: \_\_\_\_\_  
 \_\_\_\_\_  
 ii. Generally describe processes or activities involving hazardous wastes or constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 iii. Specify amount to be handled or generated \_\_\_\_\_ tons/month  
 iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: \_\_\_\_\_  
 \_\_\_\_\_  
 v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?  Yes  No  
 If Yes: provide name and location of facility: \_\_\_\_\_  
 \_\_\_\_\_  
 If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:  
 \_\_\_\_\_  
 \_\_\_\_\_

**E. Site and Setting of Proposed Action**

**E.1. Land uses on and surrounding the project site**

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): Vacant, Utility, Transportation  
 ii. If mix of uses, generally describe:  
The project area spans approximately 270 acres and includes a mix of land uses, with primarily residential, commercial, and vacant lands, as well as roadways (transportation / utility land uses). Aquatic land uses occur adjacent to the project area (Patchogue River and Tuthills Creek).

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion*	Change (Acres +/-)*
• Roads, buildings, and other paved or impervious surfaces	± 263		
• Forested	0		
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0		
• Agricultural (includes active orchards, field, greenhouse etc.)	0		
• Surface water features (lakes, ponds, streams, rivers, etc.)	0		
• Wetlands (freshwater or tidal)	0		
• Non-vegetated (bare rock, earth or fill)	± 7		
• Other Describe: _____	0		

\* This information is to be determined and will be discussed in the Environmental Assessment

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
i. If Yes: explain: \_\_\_\_\_

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
If Yes,  
i. Identify Facilities:  
Holy Angels Regional School, South Ocean Middle School, River Elementary School, Emmanuel Lutheran School

e. Does the project site contain an existing dam?  Yes  No  
If Yes:  
i. Dimensions of the dam and impoundment:  
• Dam height: \_\_\_\_\_ feet  
• Dam length: \_\_\_\_\_ feet  
• Surface area: \_\_\_\_\_ acres  
• Volume impounded: \_\_\_\_\_ gallons OR acre-feet  
ii. Dam's existing hazard classification: \_\_\_\_\_  
iii. Provide date and summarize results of last inspection:  
\_\_\_\_\_

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility?  Yes  No  
If Yes:  
i. Has the facility been formally closed?  Yes  No  
• If yes, cite sources/documentation: \_\_\_\_\_  
ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:  
\_\_\_\_\_  
\_\_\_\_\_  
iii. Describe any development constraints due to the prior solid waste activities: \_\_\_\_\_

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? TBD  Yes  No  
If Yes:  
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
Hazardous wastes may have been generated, treated and/or disposed of within the project area. This information is to be determined and will be discussed in the Environmental Assessment.

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site?  Yes  No  
If Yes:  
i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:  Yes  No  
 Yes – Spills Incidents database Provide DEC ID number(s): \_\_\_\_\_  
 Yes – Environmental Site Remediation database Provide DEC ID number(s): 152182, V00636  
 Neither database  
ii. If site has been subject of RCRA corrective activities, describe control measures: \_\_\_\_\_  
This information is to be determined and will be discussed in the Environmental Assessment  
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?  Yes  No  
If yes, provide DEC ID number(s): 152182, V00636  
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):  
This information is to be determined and will be discussed in the Environmental Assessment

v. Is the project site subject to an institutional control limiting property uses? TBD  Yes  No

- If yes, DEC site ID number: \_\_\_\_\_
- Describe the type of institutional control (e.g., deed restriction or easement): \_\_\_\_\_
- Describe any use limitations: \_\_\_\_\_
- Describe any engineering controls: \_\_\_\_\_
- Will the project affect the institutional or engineering controls in place? TBD  Yes  No
- Explain: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

This information is to be determined and will be discussed in the Environmental Assessment

**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? >1,500 feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ %

c. Predominant soil type(s) present on project site:

Carver and Plymouth Sands	13.4	%
Cut and Fill Land	74.9	%
Fill Land, dredged material	5.5	%

d. What is the average depth to the water table on the project site? Average: >6 feet

e. Drainage status of project site soils:

<input checked="" type="checkbox"/> Well Drained:	<u>14</u> % of site
<input checked="" type="checkbox"/> Moderately Well Drained:	<u>79</u> % of site
<input checked="" type="checkbox"/> Poorly Drained	<u>7</u> % of site

f. Approximate proportion of proposed action site with slopes:

<input checked="" type="checkbox"/> 0-10%:	<u>100</u> % of site
<input type="checkbox"/> 10-15%:	_____ % of site
<input type="checkbox"/> 15% or greater:	_____ % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_

\_\_\_\_\_

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 922-16, 922-10, 922-3, 922-8, 922-11 Classification SC, SA, B(T)
- Lakes or Ponds: Name 922-3, 922-8, 922-12 Classification SA, B(T)
- Wetlands: Name Various Federal and State Wetlands, to be discussed in EA Approximate Size To be discussed in EA
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No

If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_

Patchogue Bay – Pathogens – Shellfishing; Recreation: Public Bathing

i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100 year Floodplain?  Yes  No

k. Is the project site in the 500 year Floodplain?  Yes  No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No

If Yes:

i. Name of aquifer: Sole Source Aquifer Names: Nassau-Suffolk SSA

m. Identify the predominant wildlife species that occupy or use the project site: \_\_\_\_\_  
Small mammals and cosmopolitan bird species such as Eastern gray squirrel (Sciurus carolinensis), American robin (Turdus migratorius), blue-jay (Cyanocitta cristata), mourning dove (Zenaida macroura), house sparrow (Passer domesticus), and European starling (Sturnus vulgaris). \_\_\_\_\_

n. Does the project site contain a designated significant natural community?  Yes  No  
 If Yes:  
 i. Describe the habitat/community (composition, function, and basis for designation): \_\_\_\_\_  
 ii. Source(s) of description or evaluation: \_\_\_\_\_  
 iii. Extent of community/habitat:  
 • Currently: \_\_\_\_\_ acres  
 • Following completion of project as proposed: \_\_\_\_\_ acres  
 • Gain or loss (indicate + or -): \_\_\_\_\_ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as  Yes  No endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?  
 While the EAF Mapper does not note any species as endangered or threatened, the US Fish & Wildlife Service iPac Mapper lists the following species as potentially present in the project area that should be considered in an effects analysis: Piping Plover (Charadrius melodus), Red Knot (Calidris canutus rufa), Roseate tern (Sterna dougallii dougallii), Sandplain gerardia (Agalinis acuta), Seabeach amaranth (Amaranthus pumilus, Northern long-eared Bat (Myotis septentrionalis).

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?  Yes  No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?  Yes  No  
 If yes, give a brief description of how the proposed action may affect that use: Fishing, effect to be determined and discussed in EA

**E.3. Designated Public Resources On or Near Project Site**

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304?  Yes  No  
 If Yes, provide county plus district name/number: \_\_\_\_\_

b. Are agricultural lands consisting of highly productive soils present?  Yes  No  
 i. If Yes: acreage(s) on project site? \_\_\_\_\_  
 ii. Source(s) of soil rating(s): \_\_\_\_\_

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark?  Yes  No  
 If Yes:  
 i. Nature of the natural landmark:  Biological Community  Geological Feature  
 ii. Provide brief description of landmark, including values behind designation and approximate size/extent: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?  Yes  No  
 If Yes:  
 i. CEA name: Coastal Zone Area South  
 ii. Basis for designation: Protect public health, open space and wetlands  
 iii. Designating agency and date: Town of Brookhaven, 5/18/1987

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: <u>Residence at 7 Oakland Drive</u>	
<i>iii.</i> Brief description of attributes on which listing is based:	
<u>Information is not available in the NYS Cultural Resource Information System but this information will be researched and discussed in the EA.</u>	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resources been identified on the project site?	TBD <input type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Describe possible resource(s): <u>Additional archaeological or historic resources may be identified on the project site, this information is to be determined and will be</u>	
<i>ii.</i> Basis for identification: <u>discussed in the EA.</u>	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Identify resource: <u>Fire Island National Seashore, Shorefront Park</u>	
<i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Parks</u>	
<i>iii.</i> Distance between project and resource: _____ miles.	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Identify the name of the river and its designation: _____	
<i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	
<input type="checkbox"/> Yes <input type="checkbox"/> No	

**F. Additional Information**

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

**G. Verification**

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name Daniel Greene, Deputy General Counsel, GOSR     Date 5/4/2015

Signature      Title Certifying Environmental Officer

**Full Environmental Assessment Form**  
**Part 2 - Identification of Potential Project Impacts**

Agency Use Only [If applicable]

Project :   
 Date :

**Part 2 is to be completed by the lead agency.** Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

**Tips for completing Part 2:**

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer “**Yes**” to a numbered question, please complete all the questions that follow in that section.
- If you answer “**No**” to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box “Moderate to large impact may occur.”
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the “whole action”.
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

<b>1. Impact on Land</b> Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1) <i>If “Yes”, answer questions a - j. If “No”, move on to Section 2.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____ _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**2. Impact on Geological Features**

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g)

NO

YES

*If "Yes", answer questions a - c. If "No", move on to Section 3.*

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	<input type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

**3. Impacts on Surface Water**

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h)

NO

YES

*If "Yes", answer questions a - l. If "No", move on to Section 4.*

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I. Other impacts: <u>Beneficial impacts on water quality related to decommissioning of 648 on-site wastewater treatment and disposal systems</u>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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**4. Impact on groundwater**  
 The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer.  
 (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t)  
*If "Yes", answer questions a - h. If "No", move on to Section 5.*

NO       YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	<input type="checkbox"/>	<input type="checkbox"/>
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

**5. Impact on Flooding**  
 The proposed action may result in development on lands subject to flooding.  
 (See Part 1. E.2)  
*If "Yes", answer questions a - g. If "No", move on to Section 6.*

NO       YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in development within a 100 year floodplain.	E2j	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. The proposed action may result in development within a 500 year floodplain.	E2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	<input checked="" type="checkbox"/>	<input type="checkbox"/>

g. Other impacts: <u>Beneficial impacts to tidal flood mitigation resulting from slowing degradation of coastal wetlands</u>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
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<b>6. Impacts on Air</b> The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) <i>If "Yes", answer questions a - f. If "No", move on to Section 7.</i>			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels: i. More than 1000 tons/year of carbon dioxide (CO <sub>2</sub> ) ii. More than 3.5 tons/year of nitrous oxide (N <sub>2</sub> O) iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs) iv. More than .045 tons/year of sulfur hexafluoride (SF <sub>6</sub> ) v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions vi. 43 tons/year or more of methane	D2g D2g D2g D2g D2g D2h	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

<b>7. Impact on Plants and Animals</b> The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) <i>If "Yes", answer questions a - j. If "No", move on to Section 8.</i>			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	<input type="checkbox"/>	<input type="checkbox"/>

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	<input type="checkbox"/>	<input type="checkbox"/>
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	<input type="checkbox"/>	<input type="checkbox"/>
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	<input type="checkbox"/>	<input type="checkbox"/>
j. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

<b>8. Impact on Agricultural Resources</b>			
The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.)		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
<i>If "Yes", answer questions a - h. If "No", move on to Section 9.</i>			
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	E1 a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	<input type="checkbox"/>	<input type="checkbox"/>
h. Other impacts: _____		<input type="checkbox"/>	<input type="checkbox"/>

<b>9. Impact on Aesthetic Resources</b> The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) <i>If "Yes", answer questions a - g. If "No", go to Section 10.</i>			
		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	<input type="checkbox"/>	<input type="checkbox"/>
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile 1/2 -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

<b>10. Impact on Historic and Archeological Resources</b> The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) <i>If "Yes", answer questions a - e. If "No", go to Section 11.</i>			
		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	<input checked="" type="checkbox"/>	<input type="checkbox"/>

d. Other impacts: _____ _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. If any of the above (a-d) are answered “Yes”, continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
ii. The proposed action may result in the alteration of the property’s setting or integrity.	E3e, E3f, E3g, E1a, E1b	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<b>11. Impact on Open Space and Recreation</b>			
The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan. (See Part 1. C.2.c, E.1.c., E.2.q.) <i>If “Yes”, answer questions a - e. If “No”, go to Section 12.</i>		<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
a. The proposed action may result in an impairment of natural functions, or “ecosystem services”, provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	<input type="checkbox"/>	<input type="checkbox"/>
e. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

<b>12. Impact on Critical Environmental Areas</b>			
The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d) <i>If “Yes”, answer questions a - c. If “No”, go to Section 13.</i>		<input type="checkbox"/> NO	<input checked="" type="checkbox"/> YES
	<b>Relevant Part I Question(s)</b>	<b>No, or small impact may occur</b>	<b>Moderate to large impact may occur</b>
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. Other impacts: _____ _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**13. Impact on Transportation**

The proposed action may result in a change to existing transportation systems.

 NO YES

(See Part 1. D.2.j)

*If "Yes", answer questions a - g. If "No", go to Section 14.*

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action will degrade existing transit access.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

**14. Impact on Energy**

The proposed action may cause an increase in the use of any form of energy.

 NO YES

(See Part 1. D.2.k)

*If "Yes", answer questions a - e. If "No", go to Section 15.*

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. Other Impacts: _____ _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**15. Impact on Noise, Odor, and Light**

The proposed action may result in an increase in noise, odors, or outdoor lighting.

 NO YES

(See Part 1. D.2.m., n., and o.)

*If "Yes", answer questions a - f. If "No", go to Section 16.*

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may result in routine odors for more than one hour per day.	D2o	<input type="checkbox"/>	<input type="checkbox"/>

d. The proposed action may result in light shining onto adjoining properties.	D2n	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	<input type="checkbox"/>	<input type="checkbox"/>
f. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

### 16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.)  
*If "Yes", answer questions a - m. If "No", go to Section 17.*

NO

YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	<input checked="" type="checkbox"/>	<input type="checkbox"/>
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	<input checked="" type="checkbox"/>	<input type="checkbox"/>
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	<input checked="" type="checkbox"/>	<input type="checkbox"/>
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	<input checked="" type="checkbox"/>	<input type="checkbox"/>
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	<input type="checkbox"/>	<input type="checkbox"/>
m. Other impacts: _____ _____		<input checked="" type="checkbox"/>	<input type="checkbox"/>

**17. Consistency with Community Plans**

The proposed action is not consistent with adopted land use plans.  
 (See Part 1. C.1, C.2. and C.3.)  
 If “Yes”, answer questions a - h. If “No”, go to Section 18.

NO

YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action’s land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, E1b	<input type="checkbox"/>	<input type="checkbox"/>
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	<input type="checkbox"/>	<input type="checkbox"/>
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	<input type="checkbox"/>	<input type="checkbox"/>
h. Other: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

**18. Consistency with Community Character**

The proposed project is inconsistent with the existing community character.  
 (See Part 1. C.2, C.3, D.2, E.3)  
 If “Yes”, answer questions a - g. If “No”, proceed to Part 3.

NO

YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	<input type="checkbox"/>	<input type="checkbox"/>
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	<input type="checkbox"/>	<input type="checkbox"/>
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	<input type="checkbox"/>	<input type="checkbox"/>
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	<input type="checkbox"/>	<input type="checkbox"/>
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	<input type="checkbox"/>	<input type="checkbox"/>
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	<input type="checkbox"/>	<input type="checkbox"/>
g. Other impacts: _____ _____		<input type="checkbox"/>	<input type="checkbox"/>

Project : Date : 

**Full Environmental Assessment Form**  
**Part 3 - Evaluation of the Magnitude and Importance of Project Impacts**  
**and**  
**Determination of Significance**

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

**Reasons Supporting This Determination:**

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

The SEQRA Part 2 form identified potential impacts from the proposed action on land, surface water, flooding, historic and archaeological resources, critical environmental areas (CEA), energy, and human health. The attached analysis in the negative declaration finds that the proposed action will not result in a significant adverse impact on these resources.

The proposed action would have no major impact on the human environment and is expected to improve some aspects of the human environment in the vicinity of the project site, such as water resources, climate change, public services and utilities, and public health and safety. The proposed project would not result in major impacts with respect to geology, soils and topography, air quality, vegetation, wildlife and fish, threatened and endangered species, cultural resources, aesthetic resources and neighborhood character, land use and planning, socioeconomics and environmental justice, noise, transportation, and hazardous materials. No major cumulative impacts would result from the proposed project in conjunction with the Suffolk County Coastal Resiliency Initiative or River Avenue Sewer Project.

Short-term impacts during construction are anticipated on soils, surface water, transportation, air quality, and noise. In cases where short-term potential impacts have been identified, impacts would be mitigated through design, regulatory compliance, and/or implementation of BMPs.

See attached Negative Declaration.

**Determination of Significance - Type 1 and Unlisted Actions**

SEQR Status:  Type 1  Unlisted

Identify portions of EAF completed for this Project:  Part 1  Part 2  Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information  
Draft Environmental Assessment, Village of Patchogue Out-of-District Sewer Extension, December 2015

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the  
Governor's Office of Storm Recovery \_\_\_\_\_ as lead agency that:

A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Village of Patchogue Out-of-District Sewer Expansion

Name of Lead Agency: Governor's Office of Storm Recovery

Name of Responsible Officer in Lead Agency: Thomas J. King, Esq.

Title of Responsible Officer: Director – Bureau of Environmental Review and Assessment, Assistant General Counsel

Signature of Responsible Officer in Lead Agency:  Date: April 1, 2016

Signature of Preparer (if different from Responsible Officer)  Date: April 1, 2016

**For Further Information:**

Contact Person: Thomas J. King, Esq.

Address: 99 Washington Avenue Suite 1224

Telephone Number: (518) 473-0015

E-mail: Thomas.King@StormRecovery.NY.Gov

**For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:**

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)

Other involved agencies (if any)

Applicant (if any)

Environmental Notice Bulletin: <http://www.dec.ny.gov/enb/enb.html>

**ATTACHMENT 2. Negative Declaration Distribution List**

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**Village of Patchogue Out-of-District Sewer Extension**  
**SEQRA Negative Declaration Distribution List (Involved and Interested Agencies)**  
April 4, 2016

Salutation	Name	Title	Agency	Address	City	State	Zip
Mayor	Paul V. Pontieri, Jr.		Village of Patchogue	14 Baker St. PO Box 719	Patchogue	NY	11772
	<i>Members of the Village Board</i>		<i>Village of Patchogue</i>	<i>14 Baker St. PO Box 719</i>	<i>Patchogue</i>	<i>NY</i>	<i>11772</i>
Ms.	<i>Patricia M. Seal</i>	<i>Village Clerk</i>	<i>Village of Patchogue Clerk's Office</i>	<i>14 Baker St. PO Box 719</i>	<i>Patchogue</i>	<i>NY</i>	<i>11772</i>
Ms.	<i>Marian Russo</i>	<i>Executive Director</i>	<i>Village of Patchogue Community Development Agency</i>	<i>14 Baker St. PO Box 719</i>	<i>Patchogue</i>	<i>NY</i>	<i>11772</i>
Mr.	<i>Joseph P. Dean</i>	<i>Superintendent</i>	<i>Village of Patchogue Department of Public Works</i>	<i>14 Baker St. PO Box 719</i>	<i>Patchogue</i>	<i>NY</i>	<i>11772</i>
Mr.	<i>William Hilton</i>	<i>Commissioner of Parks &amp; Recreation</i>	<i>Village of Patchogue Parks &amp; Recreation</i>	<i>380 Bay Avenue</i>	<i>Patchogue</i>	<i>NY</i>	<i>11772</i>
Supervisor	Edward P. Romaine		Town of Brookhaven	One Independence Hill	Farmingville	Ny	11738
	<i>Members of the Town Board</i>		<i>Town of Brookhaven</i>	<i>One Independence Hill</i>	<i>Farmingville</i>	<i>Ny</i>	<i>11738</i>
Mr.	Walter Dawydiak, Jr., P.E., J.D.	Director of Environmental Quality	Suffolk County Department of Health Services	360 Yaphank Avenue	Yaphank	NY	11980
Commissioner	Gilbert Anderson		Suffolk County Department of Public Works	335 Yaphank Avenue	Yaphank	NY	11980
Ms.	Gloria Russo	Chair	Suffolk County Council on Environmental Quality c/o Suffolk County Department of Economic Development and Planning	H. Lee Dennison Building 4th Floor	Happauge	NY	11788
Ms.	Joanne Minieri	Deputy County Executive and Commissioner	Suffolk County Department of Economic Development and Planning	H. Lee Dennison Building 11th Floor	Happauge	NY	11788
Mr.	Peter Scully	Regional Director	New York State Department of Environmental Conservation (NYS DEC) - Region 1	SUNY @ Stony Brook 50 Circle Road	Stony Brook	NY	11790-3409
Ms.	Lorraine E. Weiss	Historic Preservation Planner	Division for Historic Preservation New York State Parks, Recreation & Historic Preservation	P. O. Box 189, Peebles Island	Waterford	NY	12188
Mr.	<i>Larry K. Moss</i>	<i>Technical Specialist</i>	<i>Division for Historic Preservation New York State Parks, Recreation &amp; Historic Preservation</i>	<i>Peebles Island State Park P.O. Box 189</i>	<i>Waterford</i>	<i>NY</i>	<i>12188-0189</i>
Mr.	Jeffrey Zappieri	Consistency Review Unit	New York State Department of State Division of Coastal Resources	One Commerce Place, 99 Washington Avenue	Albany	NY	12231-0001
			New York State Department of Health	Corning Tower Empire State Plaza	Albany	NY	12237
Mr.	Paul Manske	Senior Director - Occupational and Environmental Safety	MTA Long Island Railroad	144-41 94th Avenue, 4th Floor	Jamaica	NY	11435-4380
Mr.	Jeffrey M. Lanigan, Esq.	Deputy Counsel	New York State Environmental Facilities Corporation	625 Broadway, 7th Floor	Albany	NY	12207-2997
Mr.	Rick Lord	Chief of Mitigation Programs Agency Preservation Officer	New York State Division of Homeland Security and Emergency Services (DSHES) State Office of Emergency Management	1220 Washington Avenue Suite 101, Building 22	Albany	NY	12226

*Italics denotes CC*

**ATTACHMENT 3. References**

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## Abbene, I.J.

2010 Shallow groundwater quality in the Village of Patchogue, Suffolk County, New York: U.S. Geological Survey Scientific Investigations Report 2010–5132, 19 pp. Available at <http://pubs.usgs.gov/sir/2010/5132/>.

## Anderson M.E., J. McKee Smith, D.B. Bryant, and R.G.W. McComas

2013 “Laboratory Studies of Wave Attenuation through Artificial and Real Vegetation.” U.S. Army Corps of Engineers, Engineer Research and Development Center. September. Available at <http://el.erdc.usace.army.mil/elpubs/pdf/tr13-11.pdf>

## Caterpillar

2015a Electric Power - Technical Spec Sheet Standard C9 ACERT 300 EKW/ 375 Kva/ 60 Hz/ 1800 Rpm/ 480 V/ 0.8 Power Factor. Available at <http://www.miltoncat.com/products/NewGenerators/ProductLine/Documents/Diesel%20C9/300KW/Spec%20Sheets/C9%20300KW%20Spec%20Sheet%20TSS-DM8168-03-GS-EPG-8411623Feb2016.pdf>

2015b Performance Data, DM8168. February 9, 2016. Available at [http://www.miltoncat.com/products/NewGenerators/ProductLine/Documents/Diesel%20C9/300KW/Performance%20Data/C9\\_300KWPerformanceDataFeb2016.pdf](http://www.miltoncat.com/products/NewGenerators/ProductLine/Documents/Diesel%20C9/300KW/Performance%20Data/C9_300KWPerformanceDataFeb2016.pdf).

## Citizens Energy Group

2013 Grinder Pump Stations Frequently Asked Questions. Available at [http://www.citizensenergygroup.com/pdf/STEP/Grinder\\_Pump\\_FAQs.pdf](http://www.citizensenergygroup.com/pdf/STEP/Grinder_Pump_FAQs.pdf).

## Department of Homeland Security-Federal Emergency Management Agency (FEMA)

2015 FEMA-DR-4085-NY HMGP Application State #2486 Sub-applicant: Suffolk County Project Title: Suffolk County Coastal Resiliency Initiative. April 2015.

## Federal Highway Administration (FHWA)

2015 Road Construction Noise Model populated with backhoe, dumptruck, paver, and jackhammer. FHWA Roadway Construction Noise Model (RCNM), version 1.1, 2008. Modeling conducted 2015.

## H2M

2005 *Expansion of Sanitary Sewage Collection and Wastewater Treatment Systems*. Prepared for the Village of Patchogue, Patchogue Sewer District. Suffolk County, New York. February 2005.

2012 Map & Plan. Inc. Village of Patchogue, Suffolk County, New York. Extension of Sanitary Sewers and Drainage Improvements for River Avenue. April 2012.

2014 *Engineering Report for the Coastal Resiliency & Nitrogen Mitigation Plan (CRNMP) for the Patchogue River*. Prepared for the Suffolk County Department of Public Works, Division of Sanitation, Suffolk County, New York. September 2, 2014.

## IBM

2014 Smarter Cities Challenge Report. Suffolk County, NY, United States. August 2014.

## Intergovernmental Panel on Climate Change (IPCC)

2013 Fifth Assessment Report of the Intergovernmental Panel on Climate Change WMO, UNEP. Available at <http://climatechange2013.org/>.

## McClymonds, N.E. and O.L. Franke

1972 Water-transmitting Properties of Aquifers on Long Island, New York. Hydrology and Some Effects of Urbanization on Long, Island, New York. Geological Survey Professional Paper 627-E. Prepared in cooperation with the New York State Department of Conservation, Division of Water Resources; the Nassau County Department of Public Works; the Suffolk County Board of Supervisors; and the Suffolk County Water Authority.

## National Research Council

2012 Climate Change: Lines of Evidence. National Research Council of the National Academies. June 2012. Available at <http://www.scribd.com/doc/98458016/Climate-Change-Lines-of-Evidence>.

## New York State Department of Environmental Conservation (NYSDEC)

2005 New York Standards and Specifications for Erosion and Sediment Controls. August, 2005. Available at <http://www.dec.ny.gov/chemical/29066.html>.

2011 Atlantic Ocean/Long Island Sound (Nassau/Suffolk Counties). Carmans River/Great South Bay Watershed. Available at [http://www.dec.ny.gov/docs/water\\_pdf/wiatlliscrgsb.pdf](http://www.dec.ny.gov/docs/water_pdf/wiatlliscrgsb.pdf).

2014a New York State Section 303(d) List of Impaired/TMDL Waters. Available at <http://www.dec.ny.gov/chemical/31290.html>.

2014b Technical Briefing Summary, Nitrogen Pollution and Adverse Impacts on Resilient Tidal Marshland. April 22, 2014. Available at [http://www.dec.ny.gov/docs/water\\_pdf/impairmarshland.pdf](http://www.dec.ny.gov/docs/water_pdf/impairmarshland.pdf).

2014c Part 597: List of Hazardous Substances. Available at <http://www.dec.ny.gov/regs/4449.html>.

2014d Protection of Waters Program. Available at <http://www.dec.ny.gov/permits/6042.html>.

2015a New York Nature Explorer. Available at: <http://www.dec.ny.gov/natureexplorer/app/>

2015b NYSDEC Conservation Plan for Bald Eagles in New York State. January 2015.

<sup>2</sup>015c Environmental Site Database. This information was obtained from a database search conducted on May 12, 2015. Available at <http://www.dec.ny.gov/chemical/8437.html>.

2015d National Ambient Air Quality Standards. Available at <http://www.dec.ny.gov/chemical/8542.html>.

2015e EAF Mapper. Available at <http://www.dec.ny.gov/eafmapper/>.

## New York State Department of Transportation (NYSDOT)

2015 Bicycling in New York. Available at <https://www.dot.ny.gov/bicycle/maps?tab=map>.

## NYS 2100 Commission

2013 Recommendations to Improve the Strength and Resilience of the Empire State's Infrastructure. 2013.

## Suffolk County

1993 Suffolk County GIS, 2105. Village of Patchogue Zoning Map, 1993.

2011 Resolution No. 825-2010, Recommendations of the Suffolk County Sewer Capacity Study RFP committee regarding award of consultant assistance services (CP 8185/8189).

2015a Suffolk County Comprehensive Water Resources Management Plan. Suffolk County. April 2015.

2015b Sewered areas and sewage treatment plants. Accessed on February 3, 2016. Available at <http://www.suffolkcountyny.gov/Portals/0/planning/Cartography/Sewers/SewerMetadataTables122112.pdf>.

Suffolk County Water Authority

2015 2015 Drinking Water Quality Report (for the Calendar Year of 2014). Available at [http://65.36.213.246/dwqr2015/water-quality-report-2015-scwa\\_v2.html](http://65.36.213.246/dwqr2015/water-quality-report-2015-scwa_v2.html).

U.S. Bureau of Census

2014 2009–2013 American Community Survey. Available at <http://www.census.gov/data/developers/updates/acs-5-yr-summary-available-2009-2013.html>

U.S. Department of Agriculture-Natural Resources Conservation Service

2015 Custom Soil Report for Suffolk County, New York, Patchogue River Sewer Area. April 23, 2015.

U.S. Department of Labor

No date OSHA Laws and Regulations. Available at <https://www.osha.gov/law-regs.html>.

U.S. Environmental Protection Agency (EPA)

1996 AP-42 Compilation of Air Pollutant Emission Factors, Supplement, October 1996. Section 3.3, Gasoline and Diesel Industrial Engines. Available at <https://www3.epa.gov/ttn/chief/ap42/ch03/final/c03s03.pdf>.

2009 Potential for Reducing Greenhouse Gas Emissions in the Construction Sector. February 2009. Available at <http://archive.epa.gov/sectors/web/pdf/construction-sector-report.pdf>.

2014a 2020 Corrective Action Database. U.S. Environmental Protection Agency. Available at <http://www.epa.gov/epawaste/hazard/correctiveaction/facility/index.htm#2020>.

2014b Inventory of U.S. Greenhouse Gas Emissions and Sinks: 1990–2012. Chapter 8: Waste. Available at <http://www3.epa.gov/climatechange/Downloads/ghgemissions/US-GHG-Inventory-2014-Chapter-8-Waste.pdf>.

2015a Envirofacts. U.S. Environmental Protection Agency. Available at [http://www.epa.gov/enviro/html/fii/fii\\_query\\_java.html](http://www.epa.gov/enviro/html/fii/fii_query_java.html).

2015b Envirofacts. U.S. Environmental Protection Agency. Accessed May 12, 2015. Available at <http://www2.epa.gov/sites/production/files/widgets/ef-superfund.html>.

2015c Overview of Greenhouse Gases. Emissions of Fluorinated Gases Available at <http://www3.epa.gov/climatechange/ghgemissions/gases/fgases.html>.

U.S. Fish and Wildlife Service (USFWS)

2015 Coastal Barrier Resources System polygons data set. Accessed at [http://www.fws.gov/CBRA/Maps/Data\\_Disclaimer\\_Shapefiles.html](http://www.fws.gov/CBRA/Maps/Data_Disclaimer_Shapefiles.html).

U.S. Geological Survey

2015 Water Questions & Answers. How much water does the average person use at home per day? Available at <http://water.usgs.gov/edu/qa-home-percapita.html>.

Village of Patchogue

- 2008 Local Waterfront Revitalization Plan: Patchogue, NY, Section II.
- 2009 Village of Patchogue Code, Chapter 281: Noise, Adopted in 2009.
- 2015a Village of Patchogue River Avenue Sewer & Drainage Project Village Incentive Program, Frequently Asked Questions. May 28, 2015.
- 2015b Email from P. Pontieri, Mayor, Village of Patchogue to J. Gonzalez, Louis Berger regarding follow-up from the April 14, 2015, meeting. May 27, 2015.