

CONSOLIDATED FUNDING APPLICATION

Application Number 111541

PROGRAMS LOCATION DOCUMENTS QUESTIONNAIRE FUNDING REVIEW

Application is Finalized

This application is finalized. You may review but not make any changes.

QUESTIONNAIRE

Instructions

To proceed with your application, please answer the following questions.

If your answers are lengthy, we recommend you type your answers into a word processor and paste them into the application so you will always have a copy of your answers. (Note: By design, most of the formatting you create with your word processor will be lost when you paste answers into the application.)

Your answers will be automatically saved whenever you tab to the next question or when you click outside the answer box in which you are working. You may also click the "Save" button at the bottom of the screen to save your responses.

Legend

- ✓ the question has been answered
- ✗ an answer is required but has not been provided
- an answer is not required and has not been provided
- R the answer is "restricted". The answer will only be shared with the state agency/authority that is required to review this application.
- 🔗 the question and its answers are shared among multiple programs on this application

▶ Disclaimer

Show only questions below that are incomplete and required

Basic

General Project Information

Q_549 Type of Applicant (select all that apply)

Town

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

No Answer

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

[Scoring Tips](#)

Federal Tax ID Number

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

146002488

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

N/A

Applicant

| Answer | |
|--------------------------------------|------------------------------------|
| Organization Legal Name | Q_546 Town of Wappinger |
| Applicant First Name | Q_5416 Scott |
| Applicant Last Name | Q_5417 Williams |
| Street Address | Q_551 20 Middlebush Rd |
| City | Q_552 Wappingers Falls |
| State | Q_553 NY |
| Zip Code (use ZIP+4 if known) | Q_554 12590 |
| Telephone Number (include area code) | Q_651 845-297-2744 |
| Email Address | Q_555 scott_a_williams@ aol.com |

Contacts

| | Primary Contact | Contact Authorized to Execute Contract if Awarded | Additional Contact |
|------------------|--|---|--|
| Salutation | Q_5257 Mr. | Q_5475 Mr. | Q_5493 Mr. |
| First Name | Q_547 Scott | Q_5476 Richard | Q_1052 Todd |
| Last Name | Q_1049 Williams | Q_5477 Thurston | Q_970 Bowen |
| Title | Q_1050 Grant Consultant | Q_5478 Supervisor | Q_1051 Staff |
| Organization | Q_5490 Town of Wappinger | Q_5491 Town of Wappinger | Q_5492 Town of Wappinger |
| Street Address | Q_3688 20 Middlebush Rd | Q_5479 20 Middlebush Rd | Q_3693 20 Middlebush Rd |
| City | Q_3689 Wappingers Falls | Q_5480 Wappingers Falls | Q_3694 Wappingers Falls |
| State | Q_3690 NY | Q_5481 NY | Q_3695 NY |
| ZIP Code | Q_3691 12590 | Q_5482 12590 | Q_3696 12590 |
| Telephone Number | Q_562 203-725-6966 | Q_5483 845-297-2744 | Q_3697 845-297-1850 |

| | Primary Contact | Contact Authorized to Execute Contract if Awarded | Additional Contact |
|---------------|--|---|---|
| Email Address | Q_3692 scott_a_williams@aol.com | Q_5484 rthurston@townofwappingerny.gov | Q_561 tbowen@townofwappingerny.gov |

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

Energy

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

Environment

Project Description

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

[Scoring Tips](#)

This project is a circular economy solution that improves energy efficiency, offsets carbon dioxide emission, sequesters carbon, and revitalizes local water resources. There are two primary infrastructure investments; 1) an anaerobic digester inputs invasive aquatic water chestnut & excess food waste, and 2) a wood pyrolysis unit inputs branches & brush. Outputs are renewable electricity (applied to our Wildwood POTW), renewable heat (applied to the highway department), and marketable agriculture products. These existing manufactured technologies will be configured in an innovative way to produce an environmentally and economically sustainable operation that will make our public works more energy efficient. The installation will create 2 to 3 long-term jobs and transition our local biomass waste to beneficial products of value while saving taxpayer money. Related environmental justice and education programs are incorporated into this proposal to build capacity within the community and regional stakeholders. By investing in this project, NY will establish a resilient GIGP solution that would serve as a model to be replicated throughout the Hudson Valley and across the state.

Q_976 Statement of Need

[Scoring Tips](#)

We are faced with 4 main categories of need that this project will effectively address; A) local restoration of water systems - overburdened with water chestnut, B) excess food waste - legislation mandates, C) CLCPA renewable initiatives - climate change mitigation, and D) environmental justice - revitalizing our impoverished areas. Our town is unable to afford the necessary capital investment so we are seeking this grant to serve as a catalyst for financing. We have also attracted investors through a PPA and will leverage the unrealized value of our local resources. Educational programming is extremely important for community development and critical for stakeholder alignment. At least 2 to 3 permanent jobs will be created and these opportunities will increase with time. Seasonal harvesting will also require employment and will scale.

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

[Scoring Tips](#)

We have worked closely with our own Hudson Valley Regional Council to refine our proposal to meet the goals of their Comprehensive Economic Development Strategy. We have also engaged the support of our Dutchess County Cornell Extension as well as local land

conservancies to integrate with their conservation and agriculture initiatives. In addition, our relationship with NYSP2I has connected us with RIT, Clarkson, and RPI Universities. These associations are critical to incorporating the academic community and linking new economic opportunities for regional prosperity. This installation will serve as a launchpad for scaling technologies and promoting a variety of business support services. It meets the LIVE strategy by reclaiming water bodies and the WORK strategy through opportunity investment. We will facilitate communication channels.

Q_930

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

[Scoring Tips](#)

This critical infrastructure is a game changing investment for the Hudson Valley. Invasive water chestnut was once our weakness and will now become our strength. Organics which were once wasted will be recycled into high value products. Providing the community with this renowned and world-wide sustainable technology will facilitate the growth of a knowledgeable, skilled, and relevant workforce. It will establish an intellectual platform that will introduce new industries and transform impactful regional outreach. Through replication and scaling, this multifaceted solution is the seed that our region needs to realize potential, and our circular economy approach will optimize economics and placemaking. The system we are presenting is exponentially diverse, meaningful, and empowering. Growth is guaranteed and only limited by imagination.

Q_9527

Does your project advance downtown revitalization and strategic community investment?

[Scoring Tips](#)

Yes

Q_9528

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

[Scoring Tips](#)

This solution will help to transform Wappingers into a vibrant example for sustainability and community education. Our neighborhood infrastructure will become a focal point of regional development initiatives and a very strategic plan for attracting additional capital investment. We seek to maximize integration with the community in ways that appeal to environmental justice communities to develop initiatives where people will want to work and raise a family. Our innovative configuration will extend beyond the town facilities and revitalize the waterways through the removal of the invasive biomass plant matter. This is the way we feel is best to reimagine, rebuild, and renew our local economy.

Q_9529

Does your project improve access to child care?

[Scoring Tips](#)

No

Q_9530

If Yes, please detail how it will improve access to child care.

[Scoring Tips](#)

Environmental justice calls for the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation and enforcement of environmental laws, regulations and policies.

Q_9531

Does your project incorporate environmental justice practices?

[Scoring Tips](#)

Yes

Q_9532

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

[Scoring Tips](#)

We have engaged several sustainability educators who have experience building capacity among environmental justice communities. Our budget includes instructional programming for local residents

with topics such as energy efficiency and beneficial application of waste. System agricultural products will be introduced into the community to promote food security, environmental conservation, and resilience. The Beacon Institute Of Rivers & Estuaries (Clarkson University) will offer a regional support and program outline for youth and family programs. The curriculum will be offered by a woman-owned business with international experience. We have surrounded ourselves with trusted professionals to maximize program effectiveness and outreach.

Q_3762

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

[Scoring Tips](#)

Yes

Q_3763

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

[Scoring Tips](#)

The proposed system is financially self-sustaining and invites opportunities for expansion and growth with community residents and new technologies. Training is included with installation and offers an attractive opportunity for unskilled workers. On-the-job training is part of this technology adaptation and fosters a bridge for sustainable education through experience. We will work with Sustainable Hudson Valley, a regional environmental movement, and employ the skills of their environmental justice committee to help bridge these connections at the organizational and public levels. Because of the innovation opportunities associated with this technology, philanthropy will be attracted to the nature of this work and its viability for scale and replication.

Q_3764

How does your project build workforce development programs, improve physical infrastructure, and/or establish social services that connect people living in poverty in your region with skilled employment, in correspondence with the economic revitalization priorities, distressed community targets, and the industry growth areas identified in the Opportunity Agenda and Strategic Plan?

[Scoring Tips](#)

This installation is focusing on workforce development through innovative technology configurations. We are setting a precedent for resourceful thinking that can be annexed with inspiring independent entrepreneurship. The integrated solutions require a capacity of knowledge that is appealing for a range of unskilled to skilled workers. More importantly this program offers a bridge to provide unskilled workers with the resources necessary for improving their livelihoods and workplace effectiveness. We are transforming traditional linear production models to that of sustainable circular economies. We are effectively integrating environmental justice calls for the fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income. The Mid-Hudson offers a superior location to connect NYC and Albany.

Q_4200

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

Yes

Q_4201

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

(This question is associated with your answer selection in question: [Q_4200](#))

Our programs are designed to offer open access to all community members. There are a variety of aspects related to our programming and related community contributions that would be available and relevant to veteran family participation. Wappinger values these honorable residents and incorporating them into relevant programs will bridge connections with their neighbors and build capacity with a variety of skills relevant for sustainability and the environment. The Town of Wappinger has established a very active veteran's advisory group headed by our Deputy Supervisor, which will play an active role in this project.

Q_6048**Does your project advance downtown revitalization?**[Scoring Tips](#)

Yes

Q_929**Current State of Project Development (i.e. planning, preliminary engineering, final design, etc. You may enter N/A for non-project related applications)**

Final design

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

Construction is of a modular design the requires minimal setup and configuration. The variety of anticipated site configurations have been accounted for in the project planning and implementation.

Q1, Q2, 2021 - Project conception and development to final design - early 2021

Q3, Q4, 2021 - Permitting inquiries and request

Q1, 2022 - Manufacturer Orders

Q1, Q2, 2022 - Education & Environmental Programming Development

Q1, Q2, 2022 - Securitization of relevant input and output markets

Q2, Q3, 2022 - Equipment Setup & Installation

Q3, 2022 - Operational, Production, Employee Training

Q3, Q4, 2022 - Implementation of community programs

Q3, Q4, 2022 - Innovation, Scaling, Additional Development

Q1, 2024 - Markets Established and Self-Financed

Continued Operation & Community Engagement Programming

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

Building Permit, Air Quality Permit, NYSDOT, NYSDEC, EPA

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

Not started, lead agency is the Town of Wappinger

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

No Answer

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

No Answer

Q_4160

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

If allowed by the funding agency, the Town will engage a power purchase agreement (PPA) for the initial project financing. Our community has experience with this type of contractual arrangement and will use this tool to secure electricity offset for our POTW. The Village of Wappingers Falls will commit financial allocation for water chestnut harvesting practices and related activities. The Town will commit employees related to administration, facility siting, and project integration. This program will be executed through a private / public partnership. Various supporting groups related to management, oversight, and technological know-how will also contribute.

Standard Question

Green Innovation Grant Program (Efficiency)

Median Household Income (MHI)

Q_11983

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

\$82,428

Q_11871

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

No Answer

Q_11972

Please enter the DUNS number for the Unit of Government serving as the Applicant.

<https://www.dnb.com/duns-number.html>

082271446

Q_11984

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

The Town of Wappinger is in the Wappinger Creek Watershed, and has a leadership role in the established intermunicipal council. This project dovetails with the Watershed 9 Element Plan which was funded by the Department of State Local Water Revitalization Program. The initial results of this convey a recommendation to remove the invasive species from Wappinger Lake which is a priority waterbody. Our proposal economically incentivizes a plan of action to meet this recommendation and we already have a mechanical harvester to facilitate collection. Regional research for this proposal has revealed the community of Saugerties is interested in contributing to this project from their own harvesting practices to the northwest in Ulster County. In addition, we have engaged the support of the Beacon Institute for Rivers and Estuaries to leverage their experience with anaerobic digestion as a means of management for this invasive plant. Their institute is located on Denning's Point in the City of Beacon, a few miles to the south, and this historic peninsula is surrounded by over 150 acres of this invasive aquatic plant. The financial success of this program has the potential to fund the purchase of additional harvesters that would be necessary to begin to reclaim this shoreline and access to the Hudson River. The Beacon Recycling and Transfer station is next to this adjacent to this location and within an environmental justice zone, so the educational programming that will be implemented within our own EJ area will be directly transferable and communicable to our neighboring citizens in need. This momentum will be complemented by our regional need to manage our excess food waste and will incorporate mindful recycling practices that are necessary for personal and community gardening activities. Through the outreach of our environmental justice partners, we will engage local farming and composting organizations with these material promoters of

food nutrition and security and further embellish upon the naturally evolving course of our circular economy installation. The State Of New York has the potential to invest in and kick-start a truly revolutionary program that will reverberate far beyond the boundaries of our own community. This is the transformative project that Economic Development calls for because each one of these aspects is promoting hands-on skills and education that can create a workforce with higher value. We are offering the outline for strategic placemaking that will attract and unite our residents among common themes of sustainability and collective growth. All of this potential from the foundational scope of an energy efficiency project intended to address economic efficiency and climate action.

Q_10058

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

This project would use a power purchase agreement (PPA) to help a community fund the proposed innovative project. There would be an agreement with the Town and a third party to lease Town owned property for the placement of the anaerobic digester and the pyrolysis unit. The Town would agree to purchase power produced from the project which would repay the remaining balance of the local match. The third party could use the tax benefits from the depreciation deductions to attract a high net worth investor to fund the initial costs which would be partially refunded by the grant. Investment financing is anticipated for a portion of the community contribution and economic resources. This will be complemented by additional management and advisory contributions from both the public and private sectors.

Q_898

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

Yes

Q_1137

Have the measures already been installed?

No

Q_11976

Number of new and/or replaced water meters?

No Answer

Q_12330

What percentage of your community do the new or replaced water meters account for?

No Answer

Green Innovation Grant Program Metrics: Provide applicable water quality benefits for your project. Limit all responses to two decimal places.

Q_11958

Gallons / Year Potable Water Saved

[Scoring Tips](#)

0

Q_11959

Gallons / Year of Water Reused

0

Q_1139 If known, please enter the estimated annual kW savings that will be generated through the project.

250000

Q_1140 If known, please enter the estimated annual MMBtu savings that will be generated through the project.

846

Q_1141 If known, please enter the estimated annual kWh savings that will be generated through the project.

250000

Q_12322 Explain the amount of energy and/or water efficiency that will be achieved through your project.

Energy generated through anaerobic digestion and pyrolysis offset approximately half of our Wildwood SD energy use.

Q_12321 Describe the environmental impact that your project will have on your community.

We anticipate approximately 500 metric tons of CO2 eq to be offset on an annual basis (global warming). Other impact mitigation categories include reduction of eutrophication potential, acidification of soil & water, depletion of abiotic resources, and freshwater ecotoxicity.

Q_1296 Explain any additional water quality benefits provided by your project.

Removing the invasive water chestnut also extracts excess phosphorus and nitrogen compounds which have eutrophied the Wappingers waterway and impacts the Hudson River watershed. The project will empower the community to take control of a public staging area which overburdens a disadvantaged and racially diverse community. Now the community can benefit from the assistance in cleaning up its priority waterbody.

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

Wappinger Lake will benefit from removing invasive species biomass. This waterbody flows into the Wappinger Creek which is inundated with the same associated problems. The Lake and Creek are part of the Hudson River Watershed.

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

New York State has many priority waterbodies which have suffered from overgrowth from eutrophication and invasive species destruction of local biodiversity. This project is a replicable way to produce renewable green power from otherwise destructive flora.

Q_6648

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

This project will provide long-term employment for several persons for the material preparation, input to the processes, and handling the solid and liquid by-products. Maintenance will be provided by local and contract personnel for specialized needs. Funding will be entirely from the income generated by the sale of the electrical power and other system by-products. Specific budgeting guidance has been provided by the manufacturers and incorporated in the project's long-term plan. This is designed as a solution that is both environmentally and financially sustainable to benefit the town and respective cooperative communities for the duration of the equipment's lifetime. Proper oversight, guidance, and equipment support from the manufacturers is also budgeted for accordingly. Employees will also be trained and certified as part of the operational procedures and mandates from the producing agencies.

Q_10057

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

[Scoring Tips](#)

We have engaged the support of a variety of regional organizations that will facilitate a collaborative and educational program; Sustainable Hudson Valley, Cornell Cooperative Extension, Columbia Land Conservancy, New York Pollution Prevention Institution, Beacon Institute for Rivers and Estuaries (Clarkson University). We have a curriculum available from a regional woman-owned business that will serve as an outline to distribution and replication. All components of circular economy and topics related to climate change mitigation will permeate the course materials. Relevant topics of risk analysis and life cycle assessment will also be introduced as tools to evaluate projects and additive components. Environmental management and corporate governance philosophies such as the triple bottom line (people, planet, profit) will be instilled and overseen by research groups such as Hudson Valley Biogas and innovation start-up organizations such as the Cultivator. Additional key point indicators associated with the UN's Sustainable Development Goals will also guide instructional materials to integrate global justice and responsibility standards. The implications to this programming are very relatable to climate action and the associated need for green stormwater infrastructure.

Q_10061

Estimated Service Life

[Scoring Tips](#)

20 years, and much longer with regular maintenance

Smart Growth

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

Q_1059

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

[Scoring Tips](#)

No - The Wildwood Sewer District's water treatment operations have been historically operated with electricity produced from fossil fuels. This energy efficiency project will off-set almost half of the annual power consumption through locally produced renewable energy. This is necessary to meet the state's ambitious climate action goals mandated by the CLCPA. Renewable energy will be created using excess food waste, invasive aquatic weeds, and excess wood materials already managed by the town (branches and brush). The Town's other sewer districts can also be integrated as the process is further improved.

Q_1060**Is the proposed project located in a municipal center? Y/N/Not Relevant. Please explain all responses.**[Scoring Tips](#)

Yes - The Wappinger Lake is an 88 acre, publicly-owned recreational asset at the heart of the Village of Wappingers Falls. The Village is the urban core of the Town of Wappinger. The Wappinger Lake is a 303(d) Priority Water Body contaminated with nutrients, phosphorus, and silt/sedimentation. This trifecta of contaminants forms the perfect breeding ground for water chestnuts, milfoil, and other invasive aquatic plant species. An ancillary benefit of this project is its ability to repurpose these invasive species and simultaneously incentivize their removal from the Wappinger Lake. When free from these invasive species, the Wappinger Lake can be a tremendous asset to the Village as a public venue for boating and fishing. The placement of the anaerobic digester and pyrolysis is located adjacent to the Village and within a mile of the Village Center.

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

Not Relevant

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

Yes - The Wappinger Lake is a 303(d) Priority Waterbody which is negatively affected by invasive vegetation like water chestnuts and milfoil. These invasive species have deprived the residents of Wappinger, Wappingers Falls, Beacon, and Poughkeepsie from enjoying the Lake as a recreational resource for swimming, boating, and fishing. While this overgrowth is only a symptom of the Lake's issues with sedimentation and nutrient loading, the removal of invasive vegetation delivers real quality of life improvements for Southern Dutchess County. This energy efficiency project will harvest and use this biomass to remediate local watersheds. This removal will also extract nitrogen and phosphorous compounds which have been a symptom of historical agricultural run-off and a leading cause behind the eutrophication. In turn, these locally resourced nutrients will be recycled into our agricultural sector to offset the continued importation of synthetic fertilizers. We aim to leverage our relationship with the Cornell Cooperative Extension, Lower Hudson PRISM, and regional land conservancies to establish sustainable best-use practices that can become mainstream throughout the Hudson Valley. In addition, biochar created through pyrolysis will serve as a method of carbon sequestration and will be marketed according to its large variety of beneficial applications. For instance, this material may inspire businesses for filtering local water resources, regenerative agriculture, land restoration initiatives, and even building materials. By incorporating academic institutions into our educational programing, we are teaching our youth about sustainable practices that are essential to combat the ramifications of historical pollution.

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

Yes - This project enhances the beauty of Wappinger Lake. The Wappinger Lake is a 303(d) Priority Waterbody located in a Potential Environmental Justice Area. The surrounding area includes a census block group with over 10% of its population living in poverty. The Village of Wappingers Falls is also home to the smallest average dwelling units (sqft) in Dutchess County. This disadvantaged demographic is dependent on public assets for outdoor recreation. This project will utilize invasive aquatic vegetation to power publicly-owned treatment works in the nearby Wildwood Sewer District. While harvesting these invasive plants, the project will work to clear the Wappinger Lake and return it to a condition suitable for boating and fishing.

Q_1064**Will the proposed project provide mobility through transportation choices including improved public transportation and reduced automobile dependency? Y/N/Not Relevant. Please explain all responses.**[Scoring Tips](#)

Not Relevant

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

[Scoring Tips](#)

Yes - The Wappinger Lake is positioned in between the Town of Poughkeepsie, Town of Wappinger, and the Village of Wappingers Falls (a political subdivision of both Towns). These three entities will benefit from the project's positive environmental impacts in the immediate short-term. As this program established, the benefits of and success of this program has the ability to quickly reverberate much farther beyond the borders of these municipalities. This strategy is embedded within our outlined educational programs, feedstock selection, and marketing of material byproducts. These components are key essentials for facilitating placemaking in accordance with the regional planning initiative and creating high paying jobs.

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

[Scoring Tips](#)

This project would include community involvement with an educational and community input component funded as part of the total project. This kind of collaborative engagement will empower a disadvantaged community which has been overburdened with land uses that frequently are found in low median household income families with a higher than average minority households. This also could drastically reduce air quality and landfill issues by reducing the amount of waste sent to a landfill or an incinerator.

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

[Scoring Tips](#)

Not Relevant

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

[Scoring Tips](#)

Yes - The primary benefit of this project is its ability to produce renewable energy and reduce a publicly-owned treatment work's dependence on conventional power sources. In doing so, the project will reduce greenhouse gas emissions and offer complementary options to solar infrastructure. We are establishing and encouraging broad based public involvement that complements both our community and regional long term development plans. Groups such as Hudson Valley Biogas and the Cultivator will help our community maintain strong attention to important ESG guidelines. These extend to the international setting and inspire global connection. We are confident that the imposed management structures will be resilient for a long-term solution that is a self-sustaining process and co-benefiting many municipal activities.

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

[Scoring Tips](#)

Yes - by replacing a publicly-owned treatment work's conventional energy supply with renewable energy, the Town will be reducing greenhouse gases which contribute to climate change. The elimination of the invasive species will help the local ecology return to a state with maximized biodiversity. The implications of this are a more resilient ecosystem which is more resilient to climate change risk mitigation.

Certification

General Certifications

Q_1037

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

Richard Thurston

Q_1038

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

Richard Thurston

Green Innovation Grant Program Certifications**Q_1248**

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

Richard Thurston

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