

Office Use Only CASH
 Fee Paid \$135 Date Approved _____ Permit Number 1W-23-009
 Public Hearing: YES NO Agent Approval: YES NO

RECEIVED

APR 14 2023

TOWN OF EAST HAMPTON
 INLAND WETLANDS & WATERCOURSES AGENCY

Date: 4/17/2023 TIME _____

1. Name of Applicant* Scott Sanicki Email: sdsanicki@gmail.com
 Phone Numbers: Home 8602672759, Business _____, Cell 8609830178
 Home Address: Street 102 Quiet Woods Rd Town East Hampton State/Zip CT 06424
 Business Address: Street _____ Town _____ State/Zip _____

* All applications MUST list contact phone numbers. If the applicant is a Limited Liability Corporation or a Corporation, provide the managing member's or responsible corporate officer's name, address, and telephone number.

2. Name of Property Owner (if different from Applicant): Same Phone _____
 Address: Street _____ Town _____ State/Zip _____

As the legal owner of the property listed on this application I hereby consent to the proposed activities. I hereby authorize the members and agents of the Agency to inspect the subject land, at reasonable times, during the pendency of the application and for the life of the permit.

Printed Name: Scott Sanicki, Signature: [Signature], Date: 4/17/2023

3. Provide the applicant's interest in the land. _____

4. Site Location and Description: Assessor's Map 14, Block 32, Lot 3A
 Address: Street 102 Quiet Woods Rd Town East Hampton State/Zip CT 06424

Note: It is the applicant's responsibility to provide the correct site address, map, block, and lot number for the legal notice. Provide a description of the land in sufficient detail to allow identification of the inland wetlands and watercourses, the area(s) (in acres or square feet) of wetlands or watercourses to be disturbed, soil type(s), and wetland vegetation.

Area of Wetland to be disturbed: _____ acres or sq. ft.
 Area of Watercourse to be disturbed _____ acres or sq. ft.
 Area of Upland Review Area to be disturbed: 100 acres or sq. ft. (Area within 100' of wetland)
TOTAL AREA OF DISTURBANCE 100 acres or sq. ft.

Will fill be needed on site? Yes No If yes, how much fill is needed? _____ cubic yards

The property contains (circle one or more) WETLANDS, BROOK, RIVER, INTERMITTANT STREAM, VERNAL POOL, SWAMP, OTHER _____

Description of soil wetland types on site: _____
 Description of wetland vegetation: _____

Name of Soil Scientist and date of survey: _____

5. Attach a written narrative of the purpose and description of the proposed activity and proposed erosion and sedimentation controls, best management practices, and mitigation measures which may be considered as a condition of issuing a permit for the proposed regulated activity including but not limited to; measures to:

(1) prevent or minimize pollution or other environmental damage, (2) maintain or enhance existing environmental quality, or (3) in the following order of priority: restore, enhance or create productive wetland or watercourse resources. Depending on the complexity of the project, include the following: sequence of operations, drainage computations with pre and post construction runoff quantities and runoff rates, plans clearly showing the drainage areas corresponding to the drainage computations, existing wetland inventory and functional assessment, soils report, construction plans signed by a certified soils scientist, licensed surveyor, and licensed professional engineer. Include a construction schedule, impacts to vegetation, and pictures that clearly show the existing conditions of all areas to be disturbed and/or cleared of vegetation.

6. Provide information of all alternatives considered. List all alternatives which would cause less or no environmental impact to wetlands or watercourses and state why the alternative as set forth in the application was chosen. All such alternatives shall be diagramed on a site plan or drawing.

Attach plans showing all alternatives considered.

7. Attach a site plan showing the proposed activity and existing and proposed conditions in relation to wetlands and watercourses and identifying any further activities associated with, or reasonably related to, the proposed regulated activity which are made inevitable by the proposed regulated activity and which may have an impact on wetlands or watercourses. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.

8. Attach the names and mailing addresses of adjacent landowners. Attach additional sheets if necessary.
Name _____ Address _____
Name _____ Address _____
Name _____ Address _____

9. Attach a completed DEEP reporting form.
The Agency shall revise or correct the information provided by the applicant and submit the form to the Commissioner of Environmental Protection in accordance with section 22a-39-14 of the Regulations of Connecticut State Agencies.

10. Attach the appropriate filing fee based on the fee schedule in Section 19 of the regulations.
Fee: _____ (Make check payable to "The Town of East Hampton")

11. Name of Erosion Control Agent (Person Responsible for Compliance): Scott Sanichi
Phone Numbers: Home 8627205, Business _____
Cell 860 983 0178 Address: Street 102 Quiet Woods Rd Town E. Hampton
State/Zip CT 06424

12. Are you aware of any wetland violations (past or present) on this property? YES NO
If yes, explain _____

13. Are you aware of any vernal pools located on or adjacent (within 500') to the property? YES NO

14. For projects that do not fall under the ACOE Category 1 general permit – Have you contacted the Army Corps of Engineers? YES NO

15. Is this project within a public water supply aquifer protection area or a public water supply watershed area? YES NO

If so, have you notified the Commissioner of the Connecticut Department of Public Health and the East Hampton WPCA? YES NO

(Proof of notification must be submitted with your application.)

16. PUBLIC HEARINGS ONLY. The applicant must provide proof of mailing notices to the abutters prior to the hearing date.

17. **As the applicant I am familiar with all the information provided in the application and I am aware of the penalties for obtaining a permit through deception or through inaccurate or misleading information.**

Printed name: Scott Sanichi, Signature: _____, Date: 4/17/2023

Please Note: You or a representative must attend the Inland Wetlands meeting to present your application.

CHECKLIST FOR A COMPLETE APPLICATION

- A narrative of the purpose and description and methodology of all proposed activities;
- Alternatives considered by the applicant, reasons for leaving less than a 10' buffer between clearing and the wetlands. Such alternatives to be diagrammed on a site plan or drawing and submitted to the commission as part of the application;
- Names and mailing addresses of abutting property owners;
- Three copies of approximately 1"=40' scale plans
- Locations of existing and proposed land uses
- Locations of existing and proposed buildings
- Locations of existing and proposed subsurface sewage disposal systems, and test hole descriptions
- Existing and proposed topographical and man-made features including roads and driveways, on and adjacent to the site. Include a colored grading plan showing areas to be filled (green) and areas to be excavated (brown) that clearly shows existing and proposed contours and proposed limits of disturbance.
- Location and diagrams of proposed erosion control structures
- Pictures of existing conditions clearly showing all areas to be disturbed, and/or cleared of vegetation.
- Assessor map, block and lot number
- Key or inset map
- North arrow
- Flood zone classification and delineation
- Use of wetland and watercourse markers where appropriate.
- Soil types classification and boundary delineation (flagged and numbered boundary), Soil Scientist's original signature and certification on plans
- Soil Scientist's (or other wetland scientist) report on the function of the wetlands
- Watercourse channel location and flow direction, where appropriate
- 100 ft. regulated area depicted on plans
- Conservation easements where appropriate
- A detailed erosion and sediment control plan which meets requirements set forth in the most recent revision of the *Connecticut Guidelines for Soil Erosion and Sediment Control*, published by the Connecticut Council on Soil and Water Conservation, including:
 - Location of areas to be stripped of vegetation and other unprotected areas
 - Schedule of operations including starting and completion dates for major development phases
 - Seeding, sodding, or re-vegetation plans for all unprotected or un-vegetated areas
 - Location and design of structural sediment control measures
 - Timing of planned sediment control measures
 - Use of wetland and watercourse markers
 - Proper certification on the application documents and plans

In the case of filling in wetlands, watercourses, or regulated upland areas, the following items are necessary:

- Area to be filled
- Volume of requested fill
- Finished slopes of filled areas
- Containment and stabilization measures
- Proposed finished contours
- Evaluation of the effect of filling the wetlands with respect to storage volume and its impact downstream showing before and after development flows, and the evaluation of storm water detention including the existing need for flood control downstream

Other required items:

- Proof of adjoining Town notification, where required;
- All application fees required by Section 19 of these regulations;
- A written narrative detailing how the effects of the applicant's proposed activities upon wetlands and watercourses shall be mitigated.
- A written description of any and all future plans which may be linked to the activities proposed in the current application.
- Address the potential to enhance the current buffer area.
- Review drainage information with Town Engineering
- Mailing requirements for abutters (public hearing only)

SECTION 19
APPLICATION FEES

19.5 Fee Schedule. Application fees will be based on the following schedule:

DEEP fee required by C.G.S. 22a-27j will be added to the base fee	\$60.00
19.5.1 Application Fee plus fee from Schedule A	
19.5.1.1 Residential Uses.	\$75.00 Plus
*Each additional lot with regulated activities.	*Plus \$50.00/lot
19.5.1.2 Commercial/Industrial/Other Uses.	\$400.00
19.5.2 Approval by Authorized Agent	
19.5.2.1 Residential	\$60.00
19.5.2.2 Commercial	\$75.00
19.5.3 Public Hearing Fee	
19.5.3.1 Single Residential	\$100.00
19.5.3.2 Subdivision	\$400.00
19.5.3.2 Commercial, Industrial, Other	\$400.00
19.5.4 Complex Application Fee	(Actual Cost)
The Inland Wetland Agency may charge an additional fee sufficient to cover the cost of reviewing and acting on complex applications. Such fee may include, but not be limited to, the cost of retaining experts, to advise, review, and report on issues requiring such experts. The Agency shall estimate the complex application fee, which shall be paid pursuant to section 19 of these regulations within 10 days of the applicant's receipt or notice of such estimate. Any portion of the complex application fee in excess of the actual cost shall be refunded to the applicant no later than 30 days after publication of the Agency's decision.	
19.5.5 Permitted and Nonregulated Uses:	
19.5.5.1 Permitted Uses as of Right	\$25.00
19.5.5.2 Nonregulated	\$0.00
19.5.6 Regulation Amendment Petitions	\$150.00
(Does not include Notices or Regulation Advisories from DEEP.)	
19.5.6.1 Map Amendment Petitions	\$50.00
Plus fee from Schedule B	
19.5.7 Modification of Previous Approval	
19.5.7.1 Residential	\$ 25.00
19.5.7.2 Subdivision	\$ 50.00
19.5.7.3 Commercial/Industrial/Other	\$ 75.00
19.5.8 Renewal of Previous Approval	\$50.00
19.5.9 SCHEDULE A. For the purposes of calculating the permit application fee, the area in schedule A is the total area of wetlands and watercourses and upland review area upon which a regulated activity is proposed.	
SQUARE FEET OF AREA	
19.5.9.1 Less than 1,000	\$0.00
19.5.9.2 1,000 to 5,000	\$200.00
19.5.9.3 More than 5,000	\$400.00
19.5.10 SCHEDULE B. For the purposed of calculating the map amendment petition fee, the linear feet in schedule B is the total length of wetlands and watercourses boundary subject to the proposed boundary change.	
LINEAR FEET	
19.5.10.1 Less than 500	\$0.00
19.5.10.2 500 to 1,000	\$100.00
19.5.10.3 More than 1,000	\$200.00

Town of East Hampton
INLAND WETLANDS WATERCOURSE AGENCY
2023 Meeting Dates
1 Community Drive
Town Hall Council Chambers
6:30 p.m.

<u>Meeting Date:</u>	<u>Deadline:</u>
January 25, 2023	January 11, 2023
February 22, 2023	February 8, 2023
March 29, 2023	March 15, 2023
April 26, 2023	April 12, 2023
May 31, 2023	May 17, 2023
June 28, 2023	June 14, 2023
July 26, 2023	July 12, 2023
August 30, 2023	August 16, 2023
September 27, 2023	September 13, 2023
October 25, 2023	October 11, 2023
November 15, 2023	November 1, 2023
December 20, 2023	December 6, 2023
January 31, 2024	January 17, 2024

BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION
INITIAL CONSULTATION DOCUMENT
FOR EXEMPTION FOR 10-MW HYDROELECTRIC PROJECT

INTRODUCTORY STATEMENT

18 C.F.R. § 4.107(b) requires you to make an introductory statement as set forth below:

[*Scott Sanicki*] applies to the Federal Energy Regulatory Commission for an exemption for the [*Quiet Woods Water Wheel*], a small hydroelectric power project that is proposed to have an installed capacity of 10 megawatts or less, from licensing under the Federal Power Act.

The location of the project is:

State or Territory: CT
County: Middlesex
Township or nearby town: East Hampton
Stream or nearby body of water: Pocotopaug Creek

The exact name and business address of the applicant(s) is:

[Do not include the representative or consultant preparing the initial consultation document.]

Applicant's Name: Scott Sanicki
Address: 102 Quiet Woods Rd
East Hampton CT 06424

The exact name and business address of each person authorized to act as agent for the applicant(s) in this initial consultation document is:

Name of Agent: Scott Sanicki
Address: 102 Quiet Woods Rd
East Hampton CT 06424

[*Scott Sanicki*] is X a citizen of the United States, _____ an association of citizens of the United States, (or) _____ a municipality, _____ State, _____ a corporation, _____ or other legal entity (such as a Tribe) incorporated under the laws of _____ [specify state of incorporation, as appropriate].

Pursuant to section 30 of the Federal Power Act, 16 U.S.C. § 823 (2006), exemption from all of Part I of the Federal Power Act is requested.

[The Commission will not exempt applicants from certain provisions of the FPA, such as: (1) section 4(g), which states that if a condition of the exemption order is violated, then the Commission may revoke the exemption or take appropriate action for enforcement, forfeiture, or penalties under Part III of the FPA; (2) section 10(c), which states that the exemptee, and not the United States, is liable for all damages to another's property as a result of construction, maintenance, or operation of the exempted project; (3) section 30(c), which governs the issuance of conduit exemptions and subjects exemptions to

10-MW Exemption Template

terms and conditions set by federal and state fish and wildlife agencies; (4) section 31(a), which states that if the exemptee fails to comply with the exemption it may be subject to civil penalties, or revocation of the exemption]

EVIDENCE OF APPLICANT OWNERSHIP:

[*Scott Sanicki*] has all of the real property interests in the lands necessary to develop and operate the project, such as a deed, option, or lease. Specifically, [*Scott Sanicki*] has a [*ownership*]. Exhibit G showing an ownership/lease boundary line and Appendix ___ contain documentary evidence of the applicant's interest in the lands, as required by 18 C.F.R. § 4.31(b)(2).

[The deed or lease must be attached so that we may verify that you have sufficient interests in the property.]

FEDERAL LANDS

The [*Quiet Woods Water Wheel project*] ___ will or X will not be located on federal lands of [*Name of Agency (i.e. Forest Service, Bureau of Reclamation, Bureau of Land Management, U.S. Army Corps)*]. If to be on federal land, please indicate how many acres of federal land:

N/A acres.

[10-MW exemptions may be located on federal lands. If an exemption is granted, the exemptee will be given one year to obtain from the federal landowners, appropriate permits to occupy lands.]

STATEMENT OF FEES REQUIRED TO DEVELOP SECTION 30(C) CONDITIONS:

The [*Name(s) of Fish and Wildlife Agenc(ies), such as the U.S. Fish and Wildlife Service, the National Marine Fisheries Service, and any state fish and wildlife agencies*]:

___ has requested that the applicant submit \$___ in fees to develop its section 30(c) conditions. The applicant has submitted payment for these fees to the Department of the Treasury pursuant to §§ 4.302(a) and (b) **[OR]**

___ has stated that it will not be requesting fees in order to develop its section 30(c) conditions.

Documentation of the applicant's consultation regarding the statement of fees is included with the Consultation information in Appendix ___.

This Section will be determined during Stage 1 Consultation of this submission as feedback from all parties is received.

EXHIBIT A

Exhibit A must describe the 10-MW project and proposed mode of operation with appropriate references to Exhibits F and G. The information in this exhibit may be submitted as a table. The following information must be included:

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(1) A brief description of any existing dam and impoundment (or natural water feature) proposed to be used by the 10-MW project and any other existing or proposed project works, including: intake facilities, diversion structures, powerhouses, primary transmission lines, penstocks, pipelines, spillways, and any other structures associated with the hydroelectric project.

New installation of under-shot run of the river power generating water wheel with diameter of approximately 6ft. Local water flow in area of installation is between 3-5 ft/sec equivalent to approximately 0.14-0.4 ft of head. The placement of the water wheel is to be located to take advantage of a nature weir in the river created by a large boulder locally accelerating the velocity of the stream. This boulder and stream position can be seen below in exhibit G.

The under-shot power generating water wheel will be a rotating cantilever mount to the riverbank by utilization of a concrete pad approximately 6 X 6 ft with depth / thickness of 3 feet dependent on local site conditions. The mount will allow the wheel to be rotated into and out of the river location and contain a second mechanism to allow the wheel to be lowered into the stream. This design style allows for maintenance on the riverbank and is such that the wheel is temporary in its placement in the water flow. A good recent example design has been created by Nering Industries and shows a cantilevered rotating concept from the riverside located in British Columbia shown in pictures and linked videos below.

Example design rotated to river and lowed to water flow



source/image(PrtSc): [Nering Industries](#)

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Example design partially rotated to river bank and raised out of the water flow



source/image(PrtSc): [Nering Industries](#)

Example design videos:

<https://www.youtube.com/watch?v=OPfjoAQxvcQ>

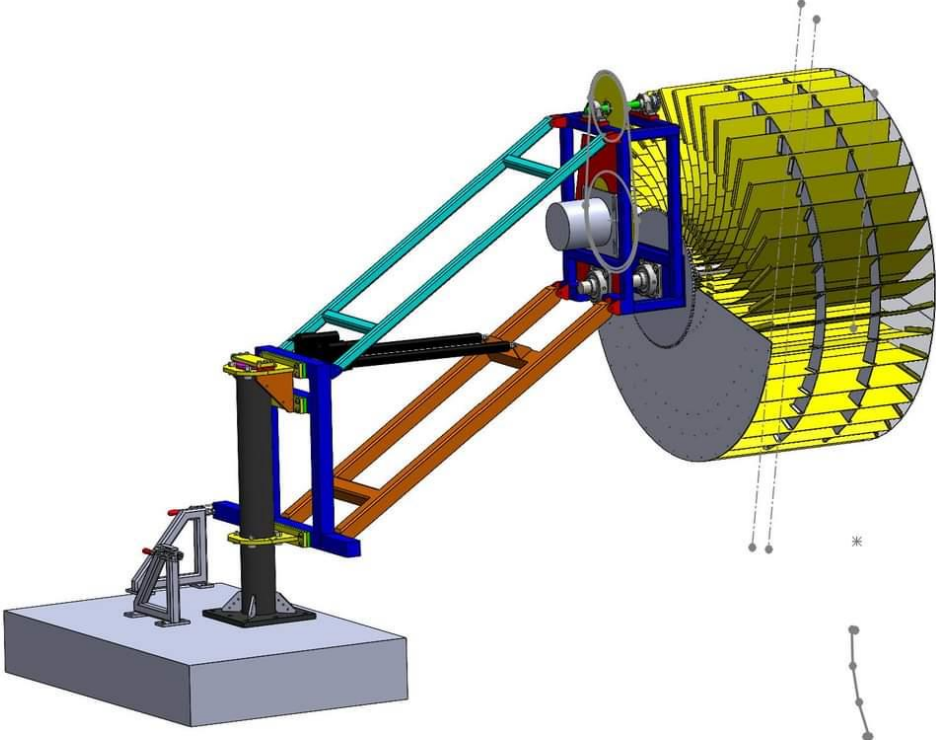
https://www.youtube.com/watch?v=_adG4e1BCiw

<https://www.youtube.com/watch?v=PvmUrDfp3sE>

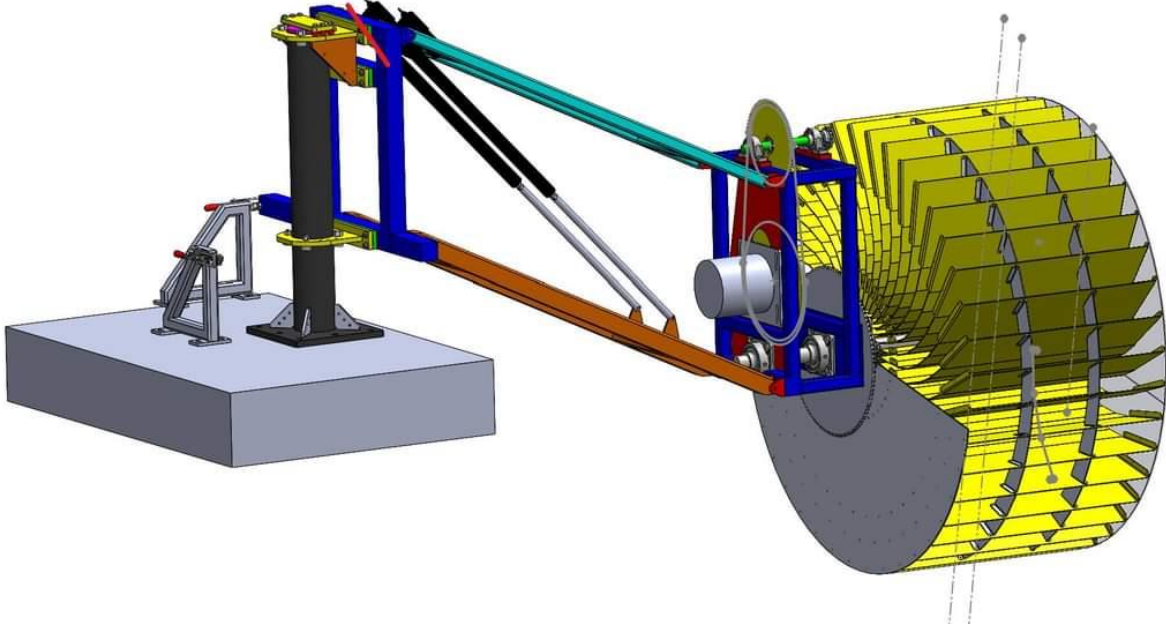
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For the Quiet Woods Water Wheel project, the concept of a rotatable cantilever design will be utilized, what has been changed from the example is the method of rotation and lift. Preliminary concept images can be seen below.

Quiet Woods Water Wheel design concept in raised position



Quiet Woods Water Wheel concept in lowered position



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Power transmission lines will be placed underground from the water wheel generation head to the dwelling structure at the project site approximately 350 ft away. The power transmission lines will be connected to a maximum power point tracking (MPPT) battery charge controller system and pre-existing home battery bank as a secondary charging source. The use of the MPPT system will balance available potential energy of the stream as presented by its natural features and any climatic changes that alter the flow rate lower in arid times and increase flow in water abundant times. The MPPT will provide proper battery state of charging in balance with the currently available energy provided by the water wheel to the generating head switching over to an idle state when the battery bank has reached full charge capacity. Given this system is dynamic it integrates nicely with this run of the river system as it allows the natural changes to progress without a need to retain / dam the stream, instead it allows the water wheel to turn commensurate to the flow as naturally presented.

Another charging source will additionally be connected to the battery bank this source will be connect to a residential hybrid inverter system. This hybrid system has been approved to be interconnected to the energy grid by Eversource Qualified Project Unique ID# INT-72836. Through the utilization of the same battery bank the Quiet Woods Water Wheel Project will enable the local dwelling to utilize the power generated as well as provide excess renewable energy to the energy grid utilizing the hybrid inverters built in intelligence features. Further through the utilization of the common battery bank and the residential hybrid inverters intelligent features allows this project to support additional energy available in times of high grid demand as sought after as part of the CT green bank program energy storage solutions by allowing the CT green bank ability to draw down the battery bank reserve capacity.

(2) The number of existing and proposed generating units, including auxiliary units, the capacity of each unit, and plans, if any, for future units, as well as any plans for retirement or rehabilitation of existing generating units: *[for a 10-MW project there must be an increase in the existing generator capacity from existing conditions – MW not MWh]*

This is a new system there is currently there are no preexisting unites. The Quiet Woods water wheel proposal will be for one generation head that will be directly connected to an under-shot water wheel. The generation head is initially to be sized at 3000W with potential to change to 5000W pending results from installation. The alteration of the generation head will not alter the undershot water wheel.

(3) The type of each hydraulic turbine:

This proposal is not a turbine style what is being proposed is a undershoot water wheel.

10-MW Exemption Template

(4) A description of how the hydroelectric project is to be operated, manually or automatically, and whether the hydroelectric project is to be used for peaking or run of river operation:

This project is to be operated manually, it will require human intervention to rotate the water wheel to the river and lower it into place. Additionally human intervention will be needed within a gear box to match the flow of the river (water wheel rotational speed) to the needs of the generation head to ensure the voltage produced is within the specifications of the MPPT battery charge controller. The energy current produced will be run of the river and balanced by the on internal algorithm of the MPPT battery charge controller.

(5) A graph showing an annual or monthly flow duration curve for the project.

It is proposed that this requirement be waved as this project is micro size in proposal and will utilize the flow as presented naturally by the creek.

(6) Estimations of:

(i) The average annual generation in kilowatt-hours: 8800Kw/hr.

(ii) The average and design head of the hydroelectric project: 0.3ft.

(iii) The minimum and maximum hydraulic capacity of the hydroelectric project (flow through the hydroelectric project) in cubic feet per second: 13.5-37.5 ft³/s.

(iv) The number of surface acres of the man-made or natural impoundment used, if any, at its normal maximum surface elevation and its net and gross storage capacities [existing conditions and proposed conditions if reinstalling flashboards]:

None, this project is flow of the river with no impoundment proposed.

(7) The planned date for beginning construction of the hydroelectric project: within 1 month of approval, would like to begin in year 2023.

(8) A description of the nature and extent of any repair, reconstruction, or other modification of a dam that would occur in association with construction or development of the proposed 10-MW project, including a statement of the normal maximum surface area and normal maximum surface elevation of any existing impoundment before and after that construction [flashboards can be reinstalled to their historic height]:

None, this project is flow of the river with no impoundment proposed.

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EXHIBIT E

Exhibit E is an Environmental Report. It must be prepared pursuant to 18 C.F.R. § 4.38 and must include the following information, commensurate with the scope and environmental impact of the hydroelectric project's construction and operation:

This description must include the entire project, including any dam and reservoir area and primary transmission line area. Please address each resource area. If you determine that the project will have no effect on any area, say so and why you came to that conclusion.

(1) Pursuant to 18 C.F.R. 4.107(e)(1), a description of the environmental setting in the vicinity of the hydroelectric project, including:

- vegetative cover:

Medium density mature canopy with presence of smaller woody vegetation.

- fish and wildlife resources:

Wildlife is commensurate to the CT river basin, fish resources are limited due to Pocotopaug Brook being dammed naturally and by man along its course. Per the Connecticut 305b Assessment Results for Rivers and Streams river assessment of aquatic life the brook ranges from fully supporting to not supporting, waterbody segment ID's CT4709-04_01 & CT470904_2.

- water quality and quantity:

The nearest state monitoring of "Pocotopaug Creek" has the identifier CTVOLMON-18983. This site is in the watershed defined by the 8 digit Hydrologic Unit Code (HUC)01080205.

- land and water uses:

Private Property

- recreational use:

Private Property

- socio-economic conditions:

Private Property Middle Class

- historical and archeological resources:

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Private Property Woodlands

- visual resources:

Private Property Woodlands

- endangered or threatened species, critical habitats (if none, state):

None, Per Natural Diversity Data Base Aeras East Hampton Ct Dec 2022 the proposed location has not been identified as a critical habitat.

(2) Pursuant to 18 C.F.R. § 107(e)(2), a description of the expected environmental impacts resulting from the proposed construction or development of the 10-MW project, including any impacts from any proposed changes in the capacity and mode of operation of the project if it is already generating electricity, and an explanation of the specific measures proposed by the applicant, the agencies consulted, and others to protect and enhance environmental resources and values and to mitigate adverse impacts of the project on them.

[If there are no expected environmental impacts, say so and explain why. Do not assume that agencies and other consulted entities can discern it from other parts of the initial consultation document. Please address:

- *vegetative cover;*
- *fish and wildlife resources;*
- *water quality and quantity;*
- *land and water uses;*
- *recreational uses;*
- *socio-economic conditions;*
- *historical and archeological resources;*
- *visual resources; and*
- *endangered or threatened species, critical habitats.]*

The environmental impacts of the Quiet Woods Water Wheel project will be minimal. The installation of concrete base will be minimal in size supporting the cantilever support post and in an area which is currently free of vegetation due to the rocky condition of the creek bank in the localized installation area. The surrounding area leading to the installation side will be cleaned of small under growth and standing dead wood to provide access to maintain and operate the waterwheel as described in exhibit A(4). Additionally small width trenching will be required to install the underground transmission lines from the generation point to the dwelling. Once back filled it is expected that the forest floor under growth will repopulate with the native plant life. Pathways leading to the side will maintain woodlands with a permeable service consisting of: its current condition, wood chips or crushed stone.

(3) Any additional information about environmental factors (considerations) that the applicant considers important. - *NONE*

EXHIBIT F

Exhibit F is a set of drawings showing the structures and equipment of the 10-MW hydroelectric project and must conform to the specifications of 18 C.F.R. § 4.41(g). The Commission needs this information in order to determine whether the structure and design of the hydroelectric project is feasible and meets our requirements for 10-MW exemptions. Exhibit F drawings contain critical energy infrastructure information (CEII) and should be labeled as such on the drawing, 18 C.F.R. § 388.113(c). CEII is specific engineering, vulnerability, or detailed design information that relates to the production, generation, transmission, or distribution of energy. The Commission protects this information by restricting public access to CEII materials. For more information please see, <http://www.ferc.gov/legal/ceii-foia.asp>.

The hydroelectric project drawings must conform to 18 C.F.R. § 4.39, which states that all maps must be drawn to scale, must be legible, and must contain a title block with the drawing title, graphical and numerical scale, and other pertinent information concerning the drawing. These drawings must include the dimensions of important structures such as the dam and powerhouse, identify elevations such as the top of dam and normal maximum reservoir level, and include details of the generating units.

Hydroelectric project drawings of all major structures must include:

- *Plans;*
- *Elevation; and*
- *Section drawings.*

In some cases, the Commission may waive the specific requirements identified above. If you are contemplating requesting a waiver, you should contact Commission staff to determine what you would need to file.

It is proposed that these requirements be waved as this project is micro size in proposal with minimal footprint within private property parcel defined by the deed and registered land records at the time of dwelling construction.

EXHIBIT G

Exhibit G is a map of the hydroelectric project and boundary and must conform to the specifications of 18 C.F.R. § 4.41(h), which states that the project boundary data must be in a geo-referenced electronic format, include a vicinity map of the project area, and a detailed drawing that shows all principal features as a whole in relation to the affected waterway and other permanent geographical features. The Exhibit G drawing is a general location map that shows the physical project features, project boundary, and land ownership. The Commission needs this information to determine: which facilities are under the Commission's jurisdiction; whether you own the land on which all

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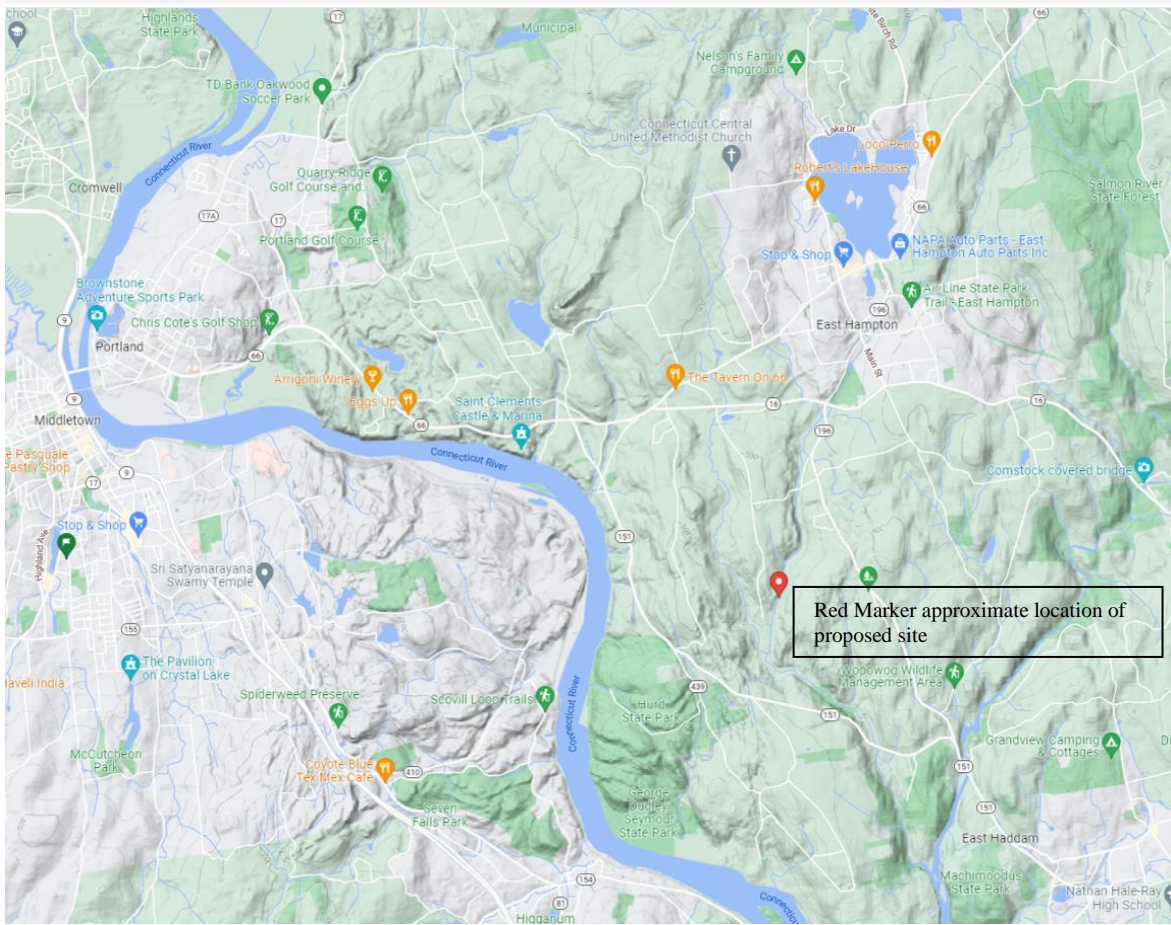
hydroelectric facilities are located; and the location of the hydroelectric project for future inspections.

Maps must:

- *Show the location of all facilities and relationship to the nearest stream and town;*
- *Show the project boundary, which is a line enclosing all project works (including the powerhouse, any dam, reservoir up to the elevation of the spillway crest or flashboard elevation, transmission line extending to the interconnection with the regional grid, and appurtenant facilities);*
- *Have three known reference points (i.e. GPS or latitude/longitude coordinates);*
- *Be stamped by a registered land surveyor;*
- *Conform with 18 C.F.R. § 4.39 to have the appropriate size and scale;*
- *Be in geo-referenced format (each project feature and the coordinates for the reference points must be shown in relation on a map); and*
- *List all of the owners of property (including Federal land) on which the project is located.*

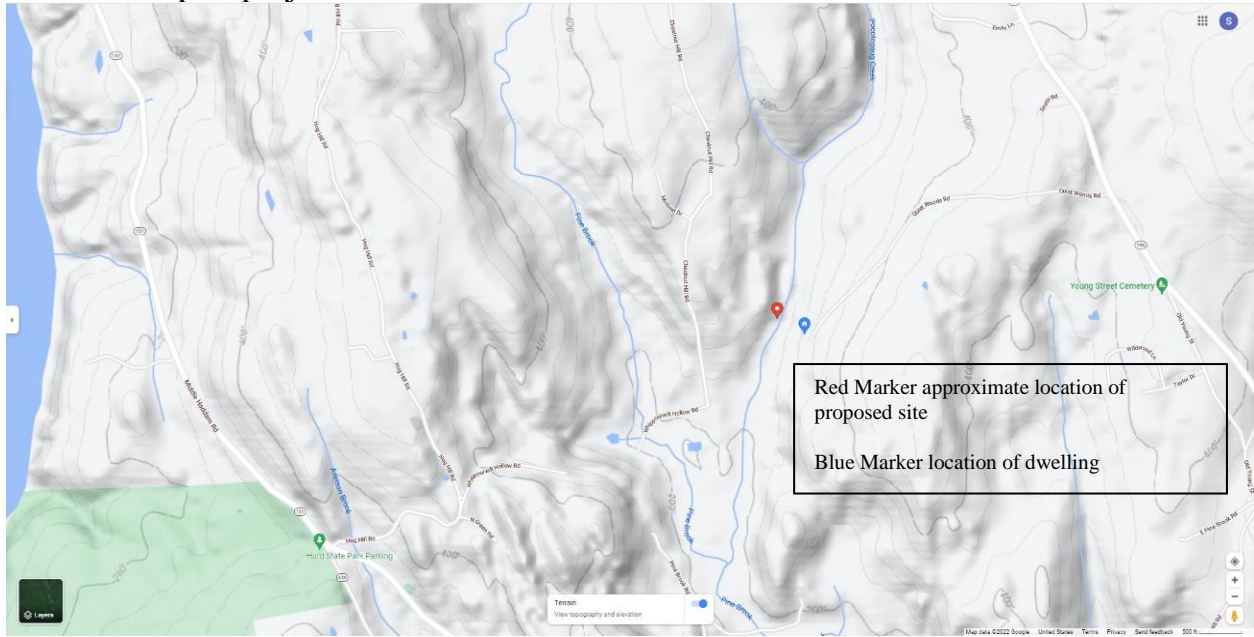
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General map of large scale area:



10-MW Exemption Template

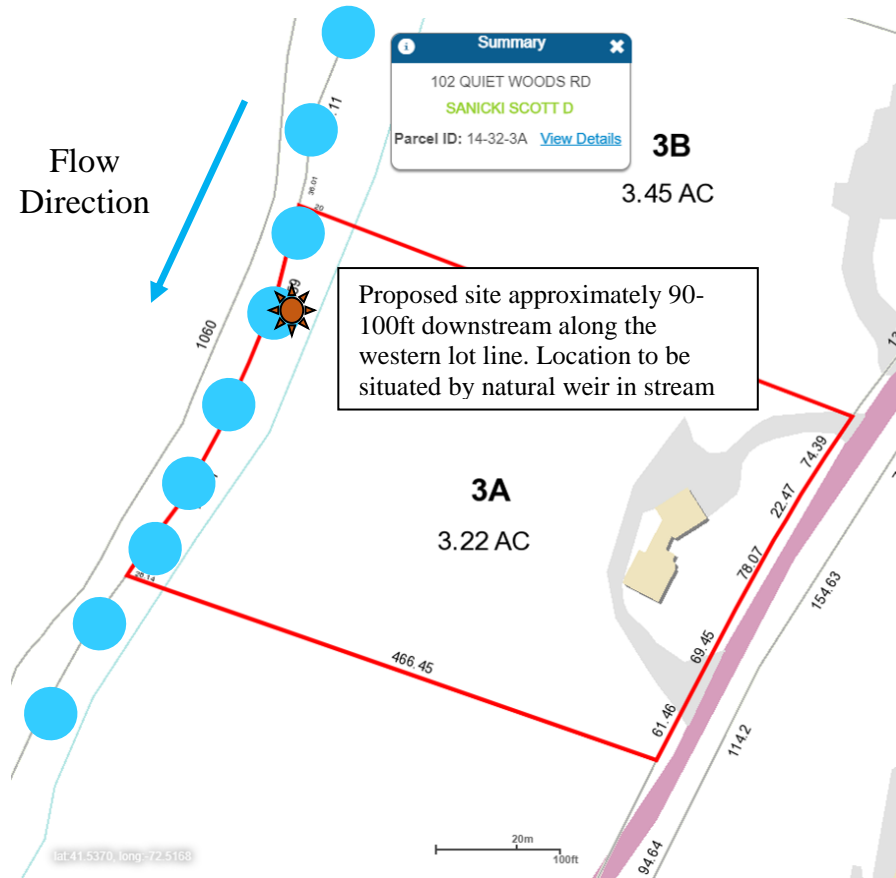
Detailed Map of project area:



10-MW Exemption Template

A profile of the river within the vicinity of the project showing the location of the proposed project and any existing improvements in the river.

Western lot line of lot 3A is the center of the Pocotopaug Creek. Location is approximately at $41^{\circ}32'14.8''\text{N } 72^{\circ}31'02.6''\text{W}$



10-MW Exemption Template

Looking Up stream at proposed site, undershot wheel to be located to the right of large boulder in turbulent stream flow.



10-MW Exemption Template

Looking from stream edge to proposed site, undershot wheel to be located between large boulder in turbulent stream flow embankment.



10-MW Exemption Template

Appendix

Owner of Record

Owner SANICKI SCOTT D
Address 102 QUIET WOODS RD
EAST HAMPTON, CT 06424
Book & Page 0333/0599
Sale Date 07/13/2001
Mblu 14/ 32/ 3A/ /



VOL. # 333 PAGE # 599

70'

2343

TRUSTEE'S DEED

KNOW ALL MEN BY THESE PRESENTS THAT HENRY C. MULLER of 44 Palmetto Drive, in the Town of Key West, and State of Florida and HENRY C. MULLER, IV of 140 Beaver Meadow Road, in the Town of Haddam, County of Middlesex and State of Connecticut, CO-TRUSTEES OF THE HENRY C. MULLER REVOCABLE INTERVIVOS TRUST dated September 24, 1998 (hereinafter referred to as "Grantor") for THIRTY-TWO THOUSAND AND NO/100 DOLLARS (\$32,000.00) received to their full satisfaction of SCOTT D. SANICKI of the Town of East Hartford, County of Hartford and State of Connecticut (hereinafter referred to as "Grantee") do give, grant, bargain, sell and confirm unto the said Grantee, his heirs, successors and assigns forever, a certain piece or parcel of land located on the west side of Quiet Woods Road in the Town of East Hampton, County of Middlesex and State of Connecticut, more particularly shown as NEW-LOT "A" on a map entitled, "Boundary Survey Showing Proposed Property Split Prepared for Henry C. Muller & Henry C. Muller IV Trustees of the Henry C. Muller Revocable Intervivos Trust Quiet Woods Road East Hampton, Connecticut Scale 1" = 40' September 5, 2000 Rev. 6-22-2001 Peter D. Flynn CT L.L.S. #8792 Flynn Land Surveying Associates 376 Wilbur Cross Highway Berlin, Connecticut 06037 Dated 9-12-2000", which map is on file in the East Hampton Town Clerk's office. Said premises are more particularly bounded and described as follows:

Beginning at a point located at the southeast corner of the herein described premises and the westerly side of Quiet Woods Road marked by an iron pin found; continue thence in a northwesterly direction N 87° 23' 30" W along land now or formerly of Stephen H. Clark as shown on said map a total distance of 466.45' through three iron pins to the centerline of Pocotopaug Brook; continue thence on the centerline of said brook and along land now or formerly of Kevin C. & Lucille W. Kiely the following courses and distances, N 16° 48' 32" E a distance of 171.71' to a point; N 04° 57' 42" E a distance of 142.59' to a point being the northwest corner of the herein described premises; continue thence along NEW-LOT "B" as shown on said map S 86° 11' 04" E a distance of 478.47' through three iron pins to a point marked by an iron pin set being the northeast corner of the herein described premises and the southeast corner of NEW-LOT "B"; continue thence along the westerly side of Quiet Woods Road the following courses and distances, S 24° 04' 15" W a distance of 22.47' to a point; S 13° 07' 50" W a distance of 74.39' to a point, S 18° 46' 09" W a distance of 78.07' to a point; S 08° 00' 30" W a distance of 69.45' to a point, S 11° 48' 14" W a distance of 61.46' to the point or place of beginning.

Said premises being 140,063.91 square feet or 3.22 acres as shown on said map.

Said premises are subject to any and all provisions of any ordinance, municipal regulation or public or private law and any state of facts that an accurate survey or personal inspection of the property might reveal.

The grantee herein agrees to assume and pay taxes to the Town of East Hampton on the Grand List of October 1, 2000.

TO HAVE AND TO HOLD the same to it the said Grantee, his heirs, successors and assigns forever, to him and their own proper use and behoof.

AND FURTHERMORE, the said Grantor, as aforesaid, does hereby covenant with the said Grantee, his heirs, successors and assigns that they as such trustees have full power and authority in said capacity to bargain, sell and convey the above-described premises, in manner and form as is above written, and that they will warrant and defend the same to the said Grantee,

Suruse C. Hartman ^{35⁰⁰} ^{Town} Conveyance Tax received
Town Clerk of East Hampton

- 1 -

Bernice C. Hartman ^{160⁰⁰} ^{State} Conveyance Tax received
Town Clerk of East Hampton



102 Quiet Woods

4/17/2023 2:09:26 PM

Scale: 1"=94'

Scale is approximate

The information depicted on this map is for planning purposes only. It is not adequate for legal boundary definition, regulatory interpretation, or parcel-level analyses.



From: [sdsanicki](#)
To: [DeCarli, Jeremy](#)
Cc: sdsanicki@gmail.com
Subject: emissions offset
Date: Thursday, April 27, 2023 12:56:04 PM

CAUTION:

This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. Remember to hover over any links and if you suspect the email is not legitimate or a phishing email, please contact Tom McMahon at x3363.

Jeremy see table below in response to the question raised by the board as the the emissions off set Equivalent as information as to reason to approve. Please share as appropriate.

Scott





8800 **Kw/hr/yr conservative generation projection**

Equivalent To	
3.8	metric tons CO2
429	gallons of gasoline
377	gallons of diesel
0.85	Gasoline-powered passenger vehicles
64	Urban trees planted
4.5	Arces of forest land to sequester

This electronic message is a public record as defined by the Connecticut Freedom of Information Act Section 1-200(5). A copy of this message and any reply will be retained by the Town of East Hampton and will be accessible to the public unless exempted by law.

102 Quiet Woods Rd Aerial – Quiet Woods Water Wheel Project Construction Overlay



-  9 to 15 ft Wide - Woodchip covered access path, surface rock removed for passage, preserve old growth woodland
-  12" Wide X 24" deep – Electrical conduit trench, wood chip covered in woodlands, surface rock removed for passage
-  6ft X 6ft X 3ft deep - Concrete pad for Water Wheel mount
-  8in Composite Filter Sock (CFS)

0 15 30 60ft

RECEIVED
5.16.2023
 East Hampton
 Land Use Dept.

Construction Notes:

- Access path and conduit trench location and width may be altered to preserve old growth woodlands and to avoid: large boulders, ledge, or other subsurface obstacles.
- Stones that are disturbed for access, trenching and concrete pad excavation will be kept on site for use as lot line delineation and slope stabilization in various areas throughout the property.
- Concrete pad depth will be adjusted based on subsurface conditions.
- Fine material excavated for concrete pad location will be relocated away from creek bank to various areas though out the property.
- Fines removed for trenching will be reutilized as trench fill.
- Disturbed surface area to be covered by shredded wood chip material to allow for naturalization, and surface runoff mitigation.

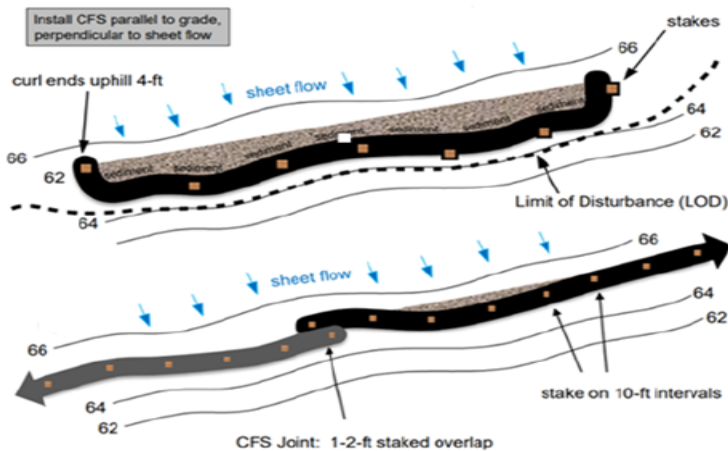
Composite Filter Sock (CFS) -Details

Filler Material - 100% all natural blend of well-aged shredded, chipped, and ground hardwood

INSTALLATION

CFS to be laid on a flat level area, in sections running perpendicular to the runoff flow direction from the Area of Disturbance. Loose material (soil, mulch, sand, or fill) may optionally be placed along the up slope side, filling the seam between the soil surface and the sock, improving sediment retention.

CFS Joint: Where two CFS sections meet on level grade, overlap the adjoining ends, tightly butt together, and stake through each end (see detail). Where Two sections meet on un-level grade, j-hook higher elevation end, stake, and begin new section just below. Use loose mulch to fill any voids in joint



Projected Emissions offset:

8800 **Kw/hr/yr conservative generation projection**

Equivalent To	
3.8	metric tons CO2
429	gallons of gasoline
377	gallons of diesel
0.85	Gasoline-powered passenger vehicles
64	Urban trees planted
4.5	Acres of forest land to sequester