

**EXHIBIT I**

DECOMMISSIONING PLANS

# NSF KIRKWOOD - SITE 1 - DECOMMISSIONING PLAN

## SYNOPSIS

- SOLAR SYSTEM LIFESPAN
- COST OF DECOMMISSIONING
- ENSURING FUNDS FOR DECOMMISSIONING
- DESCRIPTION OF SITE RESTORATION

## SOLAR SYSTEM LIFESPAN

Owner of Sites located at 149 Quilty Hill Road, Kirkwood, NY 13795 (the “Project”), to be subdivided, is responsible for decommissioning the Project. Community Distributed Generation (“CDG”) solar fields are designed for a minimum expected operational life of 25 years but may operate for 40 years or more.

As the solar field approaches the end of its operational life, it is expected that technological advances will make more efficient and cost-effective solar arrays that will economically drive the replacement of the existing solar arrays.

The decommissioning plan provides financial assurance that there will be sufficient funds available for decommissioning and site restoration when the solar arrays have reached the end of their useful life. Salvage values are not included within the decommissioning cost estimates.

## COST OF DECOMMISSIONING\*

|    | <b>Task</b>                                      | <b>Estimated Cost</b> |
|----|--|-----------------------|
| 1  | Remove Modules                                   | \$ 6,429.52           |
| 2  | Remove Rack Wiring                               | \$ 3,214.76           |
| 3  | Dismantle Racks                                  | \$ 5,072.61           |
| 4  | Remove and Load Electrical Equipment             | \$ 504.61             |
| 5  | Break Up Concrete Pads                           | \$ 1,359.86           |
| 6  | Load Racks                                       | \$ 10,214.28          |
| 7  | Remove Electrical Wiring                         | \$ 14,018.33          |
| 8  | Remove Foundation Screws                         | \$ 5,469.65           |
| 9  | Remove Fencing                                   | \$ 26,114.90          |
| 10 | Remove Utility Poles                             | \$ 9,000.00           |
| 11 | Seed Disturbed Areas                             | \$ 37,635.84          |
| 12 | Truck to Transfer Station                        | \$ 8,052.56           |
|    | <b>Cost: Labor and Equipment to Decommission</b> | <b>\$ 127,086.96</b>  |

*\*Please refer to the Decommissioning Estimate for an analysis of the methodology used to project the cost of decommissioning.*

## **ENSURING FUNDS FOR DECOMMISSIONING**

At the start of physical construction of the Project following issuance of a building permit from the Town, funds will be reserved by the Project owner for decommissioning and site restoration in the form of a Decommissioning Bond. The Decommissioning Bond will be for an amount equal to [120%] of the projected cost of decommissioning set forth in both the Decommissioning Plan and the Decommissioning Estimate.

The Decommissioning Bond will remain in place for as long as the Project remains in commercial operation, provided, however, to the extent available as liquid funds, the Decommissioning Bond may be used to offset the costs of the decommissioning. Please refer to the Decommissioning Agreement for specific details.

## **DESCRIPTION OF SITE RESTORATION**

Decommissioning and restoration activities will adhere to the requirements of appropriate governing authorities, and will be in accordance with applicable federal, state, and local permits.

The decommissioning and restoration process comprise removal of above-ground structures; grading, to the extent necessary; restoration of topsoil (if needed) and seeding.

The process of removing structures involves evaluating and categorizing all components and materials into categories of recondition and reuse, salvage, recycling, and disposal. The above-ground structures and below-ground structures are collectively referred to herein as the “Project Components.”

Temporary erosion and sedimentation control best management practices will be used during the decommissioning phase of the Project. Control features will be regularly inspected during the decommissioning phase and removed at the end of the process.

### ***Removal of Electrical Components, Racks & Rack Wiring***

Control cabinets, electronic components, and internal cables will be removed. The panels, racks and inverters will be lowered to the ground where they may be transported whole for reconditioning and reuse or disassembled/cut into more easily transportable sections for salvageable, recyclable, or disposable components.

### ***PV Module Dismantling & Panel Removal***

Solar photovoltaic modules used in the Project are manufactured within regulatory requirements for toxicity based on Toxicity Characteristic Leaching Procedure (TCLP). The solar panels are not considered hazardous waste.

The panels used in the Project will contain silicon, glass, and aluminum which have value for recycling. Modules will be dismantled and packaged per manufacturer or approved recyclers specifications and shipped to an approved off-site approved recycler.

### ***Breakup and Remove Concrete Pads or Ballast***

Pads will be excavated to a depth sufficient to remove all anchor bolts, rebar, conduits, cable, and concrete to a depth of 24 inches below grade. The remaining excavation will be filled with clear sub-grade material of quality comparable to the immediate surrounding area. The sub-grade material will be compacted to a density similar to surrounding subgrade material.

All unexcavated areas compacted by equipment used in decommissioning shall be de-compacted in a manner to adequately restore the topsoil and sub-grade material to the proper density consistent and compatible with the surrounding area.

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

#### ***Electrical Cable Removal***

Electric wire made from copper or aluminum has value for recycling. DC wiring can be removed manually from the panels to the inverter. Underground wire in the area of the array will be pulled and removed from the ground. Overhead cabling for the interconnection will be removed from poles. All wire will be sent to an approved recycling facility.

#### ***Fencing and Racking Removal***

All racking and fencing material will be broken down into manageable units and removed from facility and sent to an approved recycler. All racking posts driven into the ground will be pulled and removed.

#### ***Grading and Road Removal***

During decommissioning, the processed stone access roads will be maintained for access and future use.

#### ***Seed Disturbed Areas***

Following decommissioning activities, the sub-grade material and topsoil from affected areas may need to be de-compacted and restored to a density and depth consistent with the surrounding areas. If the subsequent use for the Project site will involve agriculture, a deep till of the Project site may be undertaken.

The affected areas will be inspected, thoroughly cleaned, and all construction-related debris removed. Disturbed areas will be reseeded to promote re-vegetation of the area unless the area is to be immediately redeveloped.

In all areas, restoration shall include, as reasonably required, leveling, terracing, mulching, and other necessary steps to prevent soil erosion, to ensure establishment of suitable grasses and forbs, and to control noxious weeds and pests.

Areas disturbed during the decommissioning phase will be seeded with a drought-tolerant grass seed mix appropriate for the area unless such areas are being immediately redeveloped for other uses.

## NSF KIRKWOOD - SITE 1 - DECOMMISSIONING ESTIMATE

This Decommissioning Estimate has been prepared in order to predict the cost associated with removal of the proposed solar facility. The primary cost of decommissioning is the labor to dismantle and load as the cost of trucking and equipment. All material will be removed from the site, including any concrete foundations, which will be broken up at the site and hauled to the nearest transfer station.

**The following values were used in this Decommissioning Estimate:**

| SYSTEM SPECIFICATIONS               |         |
|-------------------------------------|---------|
| Number of Modules                   | 13,780  |
| Number of Racks                     | 272     |
| Number of Inverters                 | 2       |
| Number of Transformers              | 2       |
| Number of Batteries                 | -       |
| Electrical Wiring Length (ft)       | 10,000  |
| Number of Foundation Screws/Posts   | 1,087   |
| Length of Perimeter Fence           | 5,434   |
| Number of Power Poles               | 6       |
| Access Road Material Volume (YD)    | 75      |
| Total Disturbed Area (SF)           | 627,264 |
| Total Fence Weight (lbs)            | 3,804   |
| Total Racking Weight (lbs)          | 231,026 |
| Total Foundation Screw Weight (lbs) | 43,487  |

| LABOR AND EQUIPMENT COSTS         |            |
|-----------------------------------|------------|
| Labor Rate (\$/hr)                | \$55.99    |
| Operator Rate (\$/hr)             | \$72.12    |
| Bobcat Cost (\$/hr)               | \$96.10    |
| Front End Loader (\$/hr)          | \$797.63   |
| Excavator Cost (\$/hr)            | \$1,287.74 |
| Trucking Cost (\$/hr)             | \$120.13   |
| Backhoe Cost (\$/hr)              | \$96.10    |
| Power Pole Removal Cost (\$/pole) | \$1,500.00 |
| Grader Cost (\$/day)              | \$1,249.30 |
| Gravel Export Cost (\$/YD)        | \$8.00     |
| Loam Import Cost (\$/YD)          | \$20.00    |
| Seeding Cost (\$/SF)              | \$0.06     |
| Fuel Cost (\$/mile)               | \$0.50     |

| EQUIPMENT & MATERIAL REMOVAL RATES      |        |
|---|--------|
| Module Removal Rate (min/module)        | 0.50   |
| Rack Wiring Removal Rate (min/module)   | 0.25   |
| Racking Dismantling Rate (min/rack)     | 20.00  |
| Inverter Removal Rate (hr/unit)         | 0.50   |
| Transformer Removal Rate (hr/unit)      | 1.00   |
| Battery Removal Rate (hr/unit)          | 1.00   |
| Rack Loading Rate (min/rack)            | 10.00  |
| Electrical Wiring Removal Rate (min/LF) | 0.50   |
| Screw Removal Rate (screws/day)         | 600.00 |
| Fence Removal Rate (min/LF)             | 1.00   |
| Days Req'd to Break up Concrete Pads    | 1.00   |
| Days Req'd w/ Rough Grader              | 1.00   |
| Days Req'd w/ Fine Grader               | 2.00   |
| Total Truckloads Req'd                  | 31.00  |
| Round Trip Distance to Trans. Station   | 39.00  |
| Round Trip Time to Trans. Station       | 2.00   |

## LABOR, MATERIAL AND EQUIPMENT COSTS:

### 1.) REMOVE MODULES

The solar modules are fastened to racking with clamps. They slide in a track. A laborer needs to unclamp the module and reach over and slide the module out of the track.

*Module Removal Rate x Total Number of Solar Modules x Labor Rate = Module Removal Cost*

**Total = \$6,429.52**

### 2.) REMOVE RACK WIRING

The solar modules are plugged together in the same manner as most electronics. The string wires are in a tray. A laborer only needs to unplug the module, reach into the array and remove the strands of wire.

*Wire Removal Rate x Total Number of Solar Modules x Labor Rate = Rack Wiring Removal Cost*

**Total = \$3,214.76**

### 3.) DISMANTLE RACKS

The racking is supported by ground screw foundations. The racking will be disconnected from the foundation and removed separately.

*Number of Racks x Rack Dismantling Rate x Labor Rate = Rack Dismantling Cost*

**Total = \$5,072.61**

### 4.) REMOVE AND LOAD ELECTRICAL EQUIPMENT

Inverters, batteries and transformers are all considered electrical equipment.

*(Number of Inverters x Inverter Removal Rate)+(Number of Transformers x Transformer Removal Rate)+(Number of Batteries x Battery Removal Rate) x (Labor Rate + Bobcat Cost) = Cost to Remove and Load Electrical Equipment*

**Total = \$504.66**

### 5.) BREAK UP CONCRETE PADS

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

*Days Required to Break Up Concrete Pads x (Excavator Cost + Operator Rate) = Cost to Break Up Concrete Pads*

**Total = \$1,359.86**

## 6.) LOAD RACKS

Once the racks have been dismantled, they will be loaded onto trucks for removal from the site. The trucking cost associated with this line item represents the additional time a truck will be needed during loading.

*Number of Racks x Rack Loading Rate x (Operator Rate x Front End Loader Cost x Trucking Cost) = Rack Loading Cost*

**Total = \$10,214.28**

## 7.) REMOVE ELECTRICAL WIRING

Electrical wiring will be removed from all underground conduits.

*Electrical Wiring Length x Electrical Wiring Removal Rate x (Operator Rate + Backhoe Cost) = Electrical Wiring Removal Cost*

**Total = \$14,018.33**

## 8.) REMOVE FOUNDATION SCREWS

The racking is supported by ground screw foundations. The racking will be disconnected from the

*Number of Foundation Screws / Screw Removal Rate x (Operator Rate + Excavator Cost) = Foundation Screws Removal Cost*

**Total = \$5,469.65**

## 9.) REMOVE FENCING

Fencing posts, fabric, and foundations will be loaded into a truck and removed from the site. Trucking costs included in this line item are for the removal process.

*Length of Perimeter Fence x Fence Removal Rate (Operator Rate + Bobcat Cost + Trucking Cost) = Fence Removal Cost*

**Total = \$26,114.90**

## 10.) REMOVE UTILITY POLES

Power poles will be removed and shipped off site.

*Number of Power Poles x Power Pole Removal Cost = Utility Pole Removal Cost*

**Total = \$9,000.00**

## 11.) SEED DISTURBED AREAS

Seeding cost includes time and materials for reseeding all disturbed areas.

*Total Disturbed Area x Seeding Cost = Cost to Seed Disturbed Areas*

**Total = \$37,635.84**

## 12.) TRUCK TO TRANSFER STATION

Inverters, batteries and transformers are all considered electrical equipment.

*(Total Truckloads Required x Round Trip Distance to Transfer Station x Fuel Cost) + (Total Truckloads Required x Roundtrip Time to Transfer Station x Trucking Cost) = Cost to Truck to Transfer Station*

**Total = \$8,052.56**



## SUMMARY OF DECOMMISSIONING COSTS

The costs below are the current estimated costs to decommission a 5 MW (AC) Solar Facility, based on guidance from NYSERDA and estimates from the New York solar market. The salvage values of valuable recyclable materials (aluminum, steel, copper, etc.) are not factored into the below costs.

| LINE ITEM | TASK                              | COST                |
|-----------|-----------------------------------|---------------------|
| 1         | REMOVE MODULES                    | \$6,429.52          |
| 2         | REMOVE RACK WIRING                | \$3,214.76          |
| 3         | DISMANTLE RACKS                   | \$5,072.61          |
| 4         | REMOVE AND LOAD ELECTRICAL EQUIP. | \$504.66            |
| 5         | BREAK UP CONCRETE PADS            | \$1,359.86          |
| 6         | LOAD RACKS                        | \$10,214.28         |
| 7         | REMOVE ELECTRICAL WIRING          | \$14,018.33         |
| 8         | REMOVE FOUNDATION SCREWS          | \$5,469.65          |
| 9         | REMOVE FENCING                    | \$26,114.90         |
| 10        | REMOVE UTILITY POLES              | \$9,000.00          |
| 11        | SEED DISTURBED AREAS              | \$37,635.84         |
| 12        | TRUCK TO TRANSFER STATION         | \$8,052.56          |
|           | <b>TOTAL =</b>                    | <b>\$127,086.96</b> |

# NSF KIRKWOOD - SITE 2 - DECOMMISSIONING PLAN

## SYNOPSIS

- SOLAR SYSTEM LIFESPAN
- COST OF DECOMMISSIONING
- ENSURING FUNDS FOR DECOMMISSIONING
- DESCRIPTION OF SITE RESTORATION

## SOLAR SYSTEM LIFESPAN

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As the solar field approaches the end of its operational life, it is expected that technological advances will make more efficient and cost-effective solar arrays that will economically drive the replacement of the existing solar arrays.

The decommissioning plan provides financial assurance that there will be sufficient funds available for decommissioning and site restoration when the solar arrays have reached the end of their useful life. Salvage values are not included within the decommissioning cost estimates.

## COST OF DECOMMISSIONING\*

|    | <b>Task</b>                                      | <b>Estimated Cost</b> |
|----|--|-----------------------|
| 1  | Remove Modules                                   | \$ 6,429.52           |
| 2  | Remove Rack Wiring                               | \$ 3,214.76           |
| 3  | Dismantle Racks                                  | \$ 5,072.61           |
| 4  | Remove and Load Electrical Equipment             | \$ 504.61             |
| 5  | Break Up Concrete Pads                           | \$ 1,359.86           |
| 6  | Load Racks                                       | \$ 10,214.28          |
| 7  | Remove Electrical Wiring                         | \$ 14,018.33          |
| 8  | Remove Foundation Screws                         | \$ 5,469.65           |
| 9  | Remove Fencing                                   | \$ 26,114.90          |
| 10 | Remove Utility Poles                             | \$ 9,000.00           |
| 11 | Seed Disturbed Areas                             | \$ 37,635.84          |
| 12 | Truck to Transfer Station                        | \$ 8,052.56           |
|    | <b>Cost: Labor and Equipment to Decommission</b> | <b>\$ 127,086.96</b>  |

*\*Please refer to the Decommissioning Estimate for an analysis of the methodology used to project the cost of decommissioning.*

## **ENSURING FUNDS FOR DECOMMISSIONING**

At the start of physical construction of the Project following issuance of a building permit from the Town, funds will be reserved by the Project owner for decommissioning and site restoration in the form of a Decommissioning Bond. The Decommissioning Bond will be for an amount equal to [120%] of the projected cost of decommissioning set forth in both the Decommissioning Plan and the Decommissioning Estimate.

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The decommissioning and restoration process comprise removal of above-ground structures; grading, to the extent necessary; restoration of topsoil (if needed) and seeding.

The process of removing structures involves evaluating and categorizing all components and materials into categories of recondition and reuse, salvage, recycling, and disposal. The above-ground structures and below-ground structures are collectively referred to herein as the “Project Components.”

Temporary erosion and sedimentation control best management practices will be used during the decommissioning phase of the Project. Control features will be regularly inspected during the decommissioning phase and removed at the end of the process.

### ***Removal of Electrical Components, Racks & Rack Wiring***

Control cabinets, electronic components, and internal cables will be removed. The panels, racks and inverters will be lowered to the ground where they may be transported whole for reconditioning and reuse or disassembled/cut into more easily transportable sections for salvageable, recyclable, or disposable components.

### ***PV Module Dismantling & Panel Removal***

Solar photovoltaic modules used in the Project are manufactured within regulatory requirements for toxicity based on Toxicity Characteristic Leaching Procedure (TCLP). The solar panels are not considered hazardous waste.

The panels used in the Project will contain silicon, glass, and aluminum which have value for recycling. Modules will be dismantled and packaged per manufacturer or approved recyclers specifications and shipped to an approved off-site approved recycler.

### ***Breakup and Remove Concrete Pads or Ballast***

Pads will be excavated to a depth sufficient to remove all anchor bolts, rebar, conduits, cable, and concrete to a depth of 24 inches below grade. The remaining excavation will be filled with clear sub-grade material of quality comparable to the immediate surrounding area. The sub-grade material will be compacted to a density similar to surrounding subgrade material.

All unexcavated areas compacted by equipment used in decommissioning shall be de-compacted in a manner to adequately restore the topsoil and sub-grade material to the proper density consistent and compatible with the surrounding area.

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

#### ***Electrical Cable Removal***

Electric wire made from copper or aluminum has value for recycling. DC wiring can be removed manually from the panels to the inverter. Underground wire in the area of the array will be pulled and removed from the ground. Overhead cabling for the interconnection will be removed from poles. All wire will be sent to an approved recycling facility.

#### ***Fencing and Racking Removal***

All racking and fencing material will be broken down into manageable units and removed from facility and sent to an approved recycler. All racking posts driven into the ground will be pulled and removed.

#### ***Grading and Road Removal***

During decommissioning, the processed stone access roads will be maintained for access and future use.

#### ***Seed Disturbed Areas***

Following decommissioning activities, the sub-grade material and topsoil from affected areas may need to be de-compacted and restored to a density and depth consistent with the surrounding areas. If the subsequent use for the Project site will involve agriculture, a deep till of the Project site may be undertaken.

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In all areas, restoration shall include, as reasonably required, leveling, terracing, mulching, and other necessary steps to prevent soil erosion, to ensure establishment of suitable grasses and forbs, and to control noxious weeds and pests.

Areas disturbed during the decommissioning phase will be seeded with a drought-tolerant grass seed mix appropriate for the area unless such areas are being immediately redeveloped for other uses.

## NSF KIRKWOOD - SITE 2 - DECOMMISSIONING ESTIMATE

This Decommissioning Estimate has been prepared in order to predict the cost associated with removal of the proposed solar facility. The primary cost of decommissioning is the labor to dismantle and load as the cost of trucking and equipment. All material will be removed from the site, including any concrete foundations, which will be broken up at the site and hauled to the nearest transfer station.

**The following values were used in this Decommissioning Estimate:**

| SYSTEM SPECIFICATIONS               |         |
|-------------------------------------|---------|
| Number of Modules                   | 13,780  |
| Number of Racks                     | 272     |
| Number of Inverters                 | 2       |
| Number of Transformers              | 2       |
| Number of Batteries                 | -       |
| Electrical Wiring Length (ft)       | 10,000  |
| Number of Foundation Screws/Posts   | 1,087   |
| Length of Perimeter Fence           | 5,434   |
| Number of Power Poles               | 6       |
| Access Road Material Volume (YD)    | 75      |
| Total Disturbed Area (SF)           | 627,264 |
| Total Fence Weight (lbs)            | 3,804   |
| Total Racking Weight (lbs)          | 231,026 |
| Total Foundation Screw Weight (lbs) | 43,487  |

| LABOR AND EQUIPMENT COSTS         |            |
|-----------------------------------|------------|
| Labor Rate (\$/hr)                | \$55.99    |
| Operator Rate (\$/hr)             | \$72.12    |
| Bobcat Cost (\$/hr)               | \$96.10    |
| Front End Loader (\$/hr)          | \$797.63   |
| Excavator Cost (\$/hr)            | \$1,287.74 |
| Trucking Cost (\$/hr)             | \$120.13   |
| Backhoe Cost (\$/hr)              | \$96.10    |
| Power Pole Removal Cost (\$/pole) | \$1,500.00 |
| Grader Cost (\$/day)              | \$1,249.30 |
| Gravel Export Cost (\$/YD)        | \$8.00     |
| Loam Import Cost (\$/YD)          | \$20.00    |
| Seeding Cost (\$/SF)              | \$0.06     |
| Fuel Cost (\$/mile)               | \$0.50     |

| EQUIPMENT & MATERIAL REMOVAL RATES      |        |
|---|--------|
| Module Removal Rate (min/module)        | 0.50   |
| Rack Wiring Removal Rate (min/module)   | 0.25   |
| Racking Dismantling Rate (min/rack)     | 20.00  |
| Inverter Removal Rate (hr/unit)         | 0.50   |
| Transformer Removal Rate (hr/unit)      | 1.00   |
| Battery Removal Rate (hr/unit)          | 1.00   |
| Rack Loading Rate (min/rack)            | 10.00  |
| Electrical Wiring Removal Rate (min/LF) | 0.50   |
| Screw Removal Rate (screws/day)         | 600.00 |
| Fence Removal Rate (min/LF)             | 1.00   |
| Days Req'd to Break up Concrete Pads    | 1.00   |
| Days Req'd w/ Rough Grader              | 1.00   |
| Days Req'd w/ Fine Grader               | 2.00   |
| Total Truckloads Req'd                  | 31.00  |
| Round Trip Distance to Trans. Station   | 39.00  |
| Round Trip Time to Trans. Station       | 2.00   |

## LABOR, MATERIAL AND EQUIPMENT COSTS:

### 1.) REMOVE MODULES

The solar modules are fastened to racking with clamps. They slide in a track. A laborer needs to unclamp the module and reach over and slide the module out of the track.

*Module Removal Rate x Total Number of Solar Modules x Labor Rate = Module Removal Cost*

**Total = \$6,429.52**

### 2.) REMOVE RACK WIRING

The solar modules are plugged together in the same manner as most electronics. The string wires are in a tray. A laborer only needs to unplug the module, reach into the array and remove the strands of wire.

*Wire Removal Rate x Total Number of Solar Modules x Labor Rate = Rack Wiring Removal Cost*

**Total = \$3,214.76**

### 3.) DISMANTLE RACKS

The racking is supported by ground screw foundations. The racking will be disconnected from the foundation and removed separately.

*Number of Racks x Rack Dismantling Rate x Labor Rate = Rack Dismantling Cost*

**Total = \$5,072.61**

### 4.) REMOVE AND LOAD ELECTRICAL EQUIPMENT

Inverters, batteries and transformers are all considered electrical equipment.

*(Number of Inverters x Inverter Removal Rate)+(Number of Transformers x Transformer Removal Rate)+(Number of Batteries x Battery Removal Rate) x (Labor Rate + Bobcat Cost) = Cost to Remove and Load Electrical Equipment*

**Total = \$504.66**

### 5.) BREAK UP CONCRETE PADS

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

*Days Required to Break Up Concrete Pads x (Excavator Cost + Operator Rate) = Cost to Break Up Concrete Pads*

**Total = \$1,359.86**

## 6.) LOAD RACKS

Once the racks have been dismantled, they will be loaded onto trucks for removal from the site. The trucking cost associated with this line item represents the additional time a truck will be needed during loading.

*Number of Racks x Rack Loading Rate x (Operator Rate x Front End Loader Cost x Trucking Cost) = Rack Loading Cost*

**Total = \$10,214.28**

## 7.) REMOVE ELECTRICAL WIRING

Electrical wiring will be removed from all underground conduits.

*Electrical Wiring Length x Electrical Wiring Removal Rate x (Operator Rate + Backhoe Cost) = Electrical Wiring Removal Cost*

**Total = \$14,018.33**

## 8.) REMOVE FOUNDATION SCREWS

The racking is supported by ground screw foundations. The racking will be disconnected from the

*Number of Foundation Screws / Screw Removal Rate x (Operator Rate + Excavator Cost) = Foundation Screws Removal Cost*

**Total = \$5,469.65**

## 9.) REMOVE FENCING

Fencing posts, fabric, and foundations will be loaded into a truck and removed from the site. Trucking costs included in this line item are for the removal process.

*Length of Perimeter Fence x Fence Removal Rate (Operator Rate + Bobcat Cost + Trucking Cost) = Fence Removal Cost*

**Total = \$26,114.90**

## 10.) REMOVE UTILITY POLES

Power poles will be removed and shipped off site.

*Number of Power Poles x Power Pole Removal Cost = Utility Pole Removal Cost*

**Total = \$9,000.00**

## 11.) SEED DISTURBED AREAS

Seeding cost includes time and materials for reseeding all disturbed areas.

*Total Disturbed Area x Seeding Cost = Cost to Seed Disturbed Areas*

**Total = \$37,635.84**

## 12.) TRUCK TO TRANSFER STATION

Inverters, batteries and transformers are all considered electrical equipment.

*(Total Truckloads Required x Round Trip Distance to Transfer Station x Fuel Cost) + (Total Truckloads Required x Roundtrip Time to Transfer Station x Trucking Cost) = Cost to Truck to Transfer Station*

**Total = \$8,052.56**



## SUMMARY OF DECOMMISSIONING COSTS

The costs below are the current estimated costs to decommission a 5 MW (AC) Solar Facility, based on guidance from NYSERDA and estimates from the New York solar market. The salvage values of valuable recyclable materials (aluminum, steel, copper, etc.) are not factored into the below costs.

| LINE ITEM | TASK                              | COST                |
|-----------|-----------------------------------|---------------------|
| 1         | REMOVE MODULES                    | \$6,429.52          |
| 2         | REMOVE RACK WIRING                | \$3,214.76          |
| 3         | DISMANTLE RACKS                   | \$5,072.61          |
| 4         | REMOVE AND LOAD ELECTRICAL EQUIP. | \$504.66            |
| 5         | BREAK UP CONCRETE PADS            | \$1,359.86          |
| 6         | LOAD RACKS                        | \$10,214.28         |
| 7         | REMOVE ELECTRICAL WIRING          | \$14,018.33         |
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| 9         | REMOVE FENCING                    | \$26,114.90         |
| 10        | REMOVE UTILITY POLES              | \$9,000.00          |
| 11        | SEED DISTURBED AREAS              | \$37,635.84         |
| 12        | TRUCK TO TRANSFER STATION         | \$8,052.56          |
|           | <b>TOTAL =</b>                    | <b>\$127,086.96</b> |

# NSF KIRKWOOD - SITE 3 - DECOMMISSIONING PLAN

## SYNOPSIS

- SOLAR SYSTEM LIFESPAN
- COST OF DECOMMISSIONING
- ENSURING FUNDS FOR DECOMMISSIONING
- DESCRIPTION OF SITE RESTORATION

## SOLAR SYSTEM LIFESPAN

Owner of Sites located at 149 Quilty Hill Road, Kirkwood, NY 13795 (the “Project”), to be subdivided, is responsible for decommissioning the Project. Community Distributed Generation (“CDG”) solar fields are designed for a minimum expected operational life of 25 years but may operate for 40 years or more.

As the solar field approaches the end of its operational life, it is expected that technological advances will make more efficient and cost-effective solar arrays that will economically drive the replacement of the existing solar arrays.

The decommissioning plan provides financial assurance that there will be sufficient funds available for decommissioning and site restoration when the solar arrays have reached the end of their useful life. Salvage values are not included within the decommissioning cost estimates.

## COST OF DECOMMISSIONING\*

|    | <b>Task</b>                                      | <b>Estimated Cost</b> |
|----|--|-----------------------|
| 1  | Remove Modules                                   | \$ 6,429.52           |
| 2  | Remove Rack Wiring                               | \$ 3,214.76           |
| 3  | Dismantle Racks                                  | \$ 5,072.61           |
| 4  | Remove and Load Electrical Equipment             | \$ 504.61             |
| 5  | Break Up Concrete Pads                           | \$ 1,359.86           |
| 6  | Load Racks                                       | \$ 10,214.28          |
| 7  | Remove Electrical Wiring                         | \$ 14,018.33          |
| 8  | Remove Foundation Screws                         | \$ 5,469.65           |
| 9  | Remove Fencing                                   | \$ 26,114.90          |
| 10 | Remove Utility Poles                             | \$ 9,000.00           |
| 11 | Seed Disturbed Areas                             | \$ 37,635.84          |
| 12 | Truck to Transfer Station                        | \$ 8,052.56           |
|    | <b>Cost: Labor and Equipment to Decommission</b> | <b>\$ 127,086.96</b>  |

*\*Please refer to the Decommissioning Estimate for an analysis of the methodology used to project the cost of decommissioning.*

## **ENSURING FUNDS FOR DECOMMISSIONING**

At the start of physical construction of the Project following issuance of a building permit from the Town, funds will be reserved by the Project owner for decommissioning and site restoration in the form of a Decommissioning Bond. The Decommissioning Bond will be for an amount equal to [120%] of the projected cost of decommissioning set forth in both the Decommissioning Plan and the Decommissioning Estimate.

The Decommissioning Bond will remain in place for as long as the Project remains in commercial operation, provided, however, to the extent available as liquid funds, the Decommissioning Bond may be used to offset the costs of the decommissioning. Please refer to the Decommissioning Agreement for specific details.

## **DESCRIPTION OF SITE RESTORATION**

Decommissioning and restoration activities will adhere to the requirements of appropriate governing authorities, and will be in accordance with applicable federal, state, and local permits.

The decommissioning and restoration process comprise removal of above-ground structures; grading, to the extent necessary; restoration of topsoil (if needed) and seeding.

The process of removing structures involves evaluating and categorizing all components and materials into categories of recondition and reuse, salvage, recycling, and disposal. The above-ground structures and below-ground structures are collectively referred to herein as the “Project Components.”

Temporary erosion and sedimentation control best management practices will be used during the decommissioning phase of the Project. Control features will be regularly inspected during the decommissioning phase and removed at the end of the process.

### ***Removal of Electrical Components, Racks & Rack Wiring***

Control cabinets, electronic components, and internal cables will be removed. The panels, racks and inverters will be lowered to the ground where they may be transported whole for reconditioning and reuse or disassembled/cut into more easily transportable sections for salvageable, recyclable, or disposable components.

### ***PV Module Dismantling & Panel Removal***

Solar photovoltaic modules used in the Project are manufactured within regulatory requirements for toxicity based on Toxicity Characteristic Leaching Procedure (TCLP). The solar panels are not considered hazardous waste.

The panels used in the Project will contain silicon, glass, and aluminum which have value for recycling. Modules will be dismantled and packaged per manufacturer or approved recyclers specifications and shipped to an approved off-site approved recycler.

### ***Breakup and Remove Concrete Pads or Ballast***

Pads will be excavated to a depth sufficient to remove all anchor bolts, rebar, conduits, cable, and concrete to a depth of 24 inches below grade. The remaining excavation will be filled with clear sub-grade material of quality comparable to the immediate surrounding area. The sub-grade material will be compacted to a density similar to surrounding subgrade material.

All unexcavated areas compacted by equipment used in decommissioning shall be de-compacted in a manner to adequately restore the topsoil and sub-grade material to the proper density consistent and compatible with the surrounding area.

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

#### ***Electrical Cable Removal***

Electric wire made from copper or aluminum has value for recycling. DC wiring can be removed manually from the panels to the inverter. Underground wire in the area of the array will be pulled and removed from the ground. Overhead cabling for the interconnection will be removed from poles. All wire will be sent to an approved recycling facility.

#### ***Fencing and Racking Removal***

All racking and fencing material will be broken down into manageable units and removed from facility and sent to an approved recycler. All racking posts driven into the ground will be pulled and removed.

#### ***Grading and Road Removal***

During decommissioning, the processed stone access roads will be maintained for access and future use.

#### ***Seed Disturbed Areas***

Following decommissioning activities, the sub-grade material and topsoil from affected areas may need to be de-compacted and restored to a density and depth consistent with the surrounding areas. If the subsequent use for the Project site will involve agriculture, a deep till of the Project site may be undertaken.

The affected areas will be inspected, thoroughly cleaned, and all construction-related debris removed. Disturbed areas will be reseeded to promote re-vegetation of the area unless the area is to be immediately redeveloped.

In all areas, restoration shall include, as reasonably required, leveling, terracing, mulching, and other necessary steps to prevent soil erosion, to ensure establishment of suitable grasses and forbs, and to control noxious weeds and pests.

Areas disturbed during the decommissioning phase will be seeded with a drought-tolerant grass seed mix appropriate for the area unless such areas are being immediately redeveloped for other uses.

## NSF KIRKWOOD - SITE 3 - DECOMMISSIONING ESTIMATE

This Decommissioning Estimate has been prepared in order to predict the cost associated with removal of the proposed solar facility. The primary cost of decommissioning is the labor to dismantle and load as the cost of trucking and equipment. All material will be removed from the site, including any concrete foundations, which will be broken up at the site and hauled to the nearest transfer station.

**The following values were used in this Decommissioning Estimate:**

| SYSTEM SPECIFICATIONS               |         |
|-------------------------------------|---------|
| Number of Modules                   | 13,780  |
| Number of Racks                     | 272     |
| Number of Inverters                 | 2       |
| Number of Transformers              | 2       |
| Number of Batteries                 | -       |
| Electrical Wiring Length (ft)       | 10,000  |
| Number of Foundation Screws/Posts   | 1,087   |
| Length of Perimeter Fence           | 5,434   |
| Number of Power Poles               | 6       |
| Access Road Material Volume (YD)    | 75      |
| Total Disturbed Area (SF)           | 627,264 |
| Total Fence Weight (lbs)            | 3,804   |
| Total Racking Weight (lbs)          | 231,026 |
| Total Foundation Screw Weight (lbs) | 43,487  |

| LABOR AND EQUIPMENT COSTS         |            |
|-----------------------------------|------------|
| Labor Rate (\$/hr)                | \$55.99    |
| Operator Rate (\$/hr)             | \$72.12    |
| Bobcat Cost (\$/hr)               | \$96.10    |
| Front End Loader (\$/hr)          | \$797.63   |
| Excavator Cost (\$/hr)            | \$1,287.74 |
| Trucking Cost (\$/hr)             | \$120.13   |
| Backhoe Cost (\$/hr)              | \$96.10    |
| Power Pole Removal Cost (\$/pole) | \$1,500.00 |
| Grader Cost (\$/day)              | \$1,249.30 |
| Gravel Export Cost (\$/YD)        | \$8.00     |
| Loam Import Cost (\$/YD)          | \$20.00    |
| Seeding Cost (\$/SF)              | \$0.06     |
| Fuel Cost (\$/mile)               | \$0.50     |

| EQUIPMENT & MATERIAL REMOVAL RATES      |        |
|---|--------|
| Module Removal Rate (min/module)        | 0.50   |
| Rack Wiring Removal Rate (min/module)   | 0.25   |
| Racking Dismantling Rate (min/rack)     | 20.00  |
| Inverter Removal Rate (hr/unit)         | 0.50   |
| Transformer Removal Rate (hr/unit)      | 1.00   |
| Battery Removal Rate (hr/unit)          | 1.00   |
| Rack Loading Rate (min/rack)            | 10.00  |
| Electrical Wiring Removal Rate (min/LF) | 0.50   |
| Screw Removal Rate (screws/day)         | 600.00 |
| Fence Removal Rate (min/LF)             | 1.00   |
| Days Req'd to Break up Concrete Pads    | 1.00   |
| Days Req'd w/ Rough Grader              | 1.00   |
| Days Req'd w/ Fine Grader               | 2.00   |
| Total Truckloads Req'd                  | 31.00  |
| Round Trip Distance to Trans. Station   | 39.00  |
| Round Trip Time to Trans. Station       | 2.00   |

## LABOR, MATERIAL AND EQUIPMENT COSTS:

### 1.) REMOVE MODULES

The solar modules are fastened to racking with clamps. They slide in a track. A laborer needs to unclamp the module and reach over and slide the module out of the track.

*Module Removal Rate x Total Number of Solar Modules x Labor Rate = Module Removal Cost*

**Total = \$6,429.52**

### 2.) REMOVE RACK WIRING

The solar modules are plugged together in the same manner as most electronics. The string wires are in a tray. A laborer only needs to unplug the module, reach into the array and remove the strands of wire.

*Wire Removal Rate x Total Number of Solar Modules x Labor Rate = Rack Wiring Removal Cost*

**Total = \$3,214.76**

### 3.) DISMANTLE RACKS

The racking is supported by ground screw foundations. The racking will be disconnected from the foundation and removed separately.

*Number of Racks x Rack Dismantling Rate x Labor Rate = Rack Dismantling Cost*

**Total = \$5,072.61**

### 4.) REMOVE AND LOAD ELECTRICAL EQUIPMENT

Inverters, batteries and transformers are all considered electrical equipment.

*(Number of Inverters x Inverter Removal Rate)+(Number of Transformers x Transformer Removal Rate)+(Number of Batteries x Battery Removal Rate) x (Labor Rate + Bobcat Cost) = Cost to Remove and Load Electrical Equipment*

**Total = \$504.66**

### 5.) BREAK UP CONCRETE PADS

Concrete slabs used as equipment pads will be broken and removed to a depth of two feet below grade. Clean concrete will be crushed and disposed of off-site and/or recycled and reused either on or off-site.

*Days Required to Break Up Concrete Pads x (Excavator Cost + Operator Rate) = Cost to Break Up Concrete Pads*

**Total = \$1,359.86**

## 6.) LOAD RACKS

Once the racks have been dismantled, they will be loaded onto trucks for removal from the site. The trucking cost associated with this line item represents the additional time a truck will be needed during loading.

*Number of Racks x Rack Loading Rate x (Operator Rate x Front End Loader Cost x Trucking Cost) = Rack Loading Cost*

**Total = \$10,214.28**

## 7.) REMOVE ELECTRICAL WIRING

Electrical wiring will be removed from all underground conduits.

*Electrical Wiring Length x Electrical Wiring Removal Rate x (Operator Rate + Backhoe Cost) = Electrical Wiring Removal Cost*

**Total = \$14,018.33**

## 8.) REMOVE FOUNDATION SCREWS

The racking is supported by ground screw foundations. The racking will be disconnected from the

*Number of Foundation Screws / Screw Removal Rate x (Operator Rate + Excavator Cost) = Foundation Screws Removal Cost*

**Total = \$5,469.65**

## 9.) REMOVE FENCING

Fencing posts, fabric, and foundations will be loaded into a truck and removed from the site. Trucking costs included in this line item are for the removal process.

*Length of Perimeter Fence x Fence Removal Rate (Operator Rate + Bobcat Cost + Trucking Cost) = Fence Removal Cost*

**Total = \$26,114.90**

## 10.) REMOVE UTILITY POLES

Power poles will be removed and shipped off site.

*Number of Power Poles x Power Pole Removal Cost = Utility Pole Removal Cost*

**Total = \$9,000.00**

## 11.) SEED DISTURBED AREAS

Seeding cost includes time and materials for reseeding all disturbed areas.

*Total Disturbed Area x Seeding Cost = Cost to Seed Disturbed Areas*

**Total = \$37,635.84**

## 12.) TRUCK TO TRANSFER STATION

Inverters, batteries and transformers are all considered electrical equipment.

*(Total Truckloads Required x Round Trip Distance to Transfer Station x Fuel Cost) + (Total Truckloads Required x Roundtrip Time to Transfer Station x Trucking Cost) = Cost to Truck to Transfer Station*

**Total = \$8,052.56**



## SUMMARY OF DECOMMISSIONING COSTS

The costs below are the current estimated costs to decommission a 5 MW (AC) Solar Facility, based on guidance from NYSERDA and estimates from the New York solar market. The salvage values of valuable recyclable materials (aluminum, steel, copper, etc.) are not factored into the below costs.

| LINE ITEM | TASK                              | COST                |
|-----------|-----------------------------------|---------------------|
| 1         | REMOVE MODULES                    | \$6,429.52          |
| 2         | REMOVE RACK WIRING                | \$3,214.76          |
| 3         | DISMANTLE RACKS                   | \$5,072.61          |
| 4         | REMOVE AND LOAD ELECTRICAL EQUIP. | \$504.66            |
| 5         | BREAK UP CONCRETE PADS            | \$1,359.86          |
| 6         | LOAD RACKS                        | \$10,214.28         |
| 7         | REMOVE ELECTRICAL WIRING          | \$14,018.33         |
| 8         | REMOVE FOUNDATION SCREWS          | \$5,469.65          |
| 9         | REMOVE FENCING                    | \$26,114.90         |
| 10        | REMOVE UTILITY POLES              | \$9,000.00          |
| 11        | SEED DISTURBED AREAS              | \$37,635.84         |
| 12        | TRUCK TO TRANSFER STATION         | \$8,052.56          |
|           | <b>TOTAL =</b>                    | <b>\$127,086.96</b> |

**EXHIBIT J**

FULL ENVIRONMENTAL ASSESSMENT FORM, PART 1

**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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

**A. Project and Applicant/Sponsor Information.**

|   |        |            |
|---|--------|------------|
| Name of Action or Project:  |        |            |
| Project Location (describe, and attach a general location map):     |        |            |
| Brief Description of Proposed Action (include purpose or need):     |        |            |
| Name of Applicant/Sponsor:  |        | Telephone: |
|   |        | E-Mail:    |
| Address:  |        |            |
| City/PO:  | State: | Zip Code:  |
| Project Contact (if not same as sponsor; give name and title/role): |        | Telephone: |
|   |        | E-Mail:    |
| Address:  |        |            |
| City/PO:  | State: | Zip Code:  |
| Property Owner (if not same as sponsor):                            |        | Telephone: |
|   |        | E-Mail:    |
| Address:  |        |            |
| City/PO:  | State: | Zip Code:  |

## 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, or Village Board of Trustees <input type="checkbox"/> Yes <input type="checkbox"/> No |  |  |
| b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input type="checkbox"/> No     |  |  |
| c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input type="checkbox"/> No          |  |  |
| d. Other local agencies <input type="checkbox"/> Yes <input type="checkbox"/> No                                   |  |  |
| e. County agencies <input type="checkbox"/> Yes <input type="checkbox"/> No  |  |  |
| f. Regional agencies <input type="checkbox"/> Yes <input type="checkbox"/> No                                      |  |  |
| g. State agencies <input type="checkbox"/> Yes <input type="checkbox"/> No   |  |  |
| h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No                                       |  |  |
| i. Coastal Resources.  |  |  |
| i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?              |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?           |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| iii. Is the project site within a Coastal Erosion Hazard Area?   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No |

## 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? ☐ Yes ☐ No

- **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? ☐ Yes ☐ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐ Yes ☐ No

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?) ☐ Yes ☐ No

If Yes, identify the plan(s):

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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? ☐ Yes ☐ No

If Yes, identify the plan(s):

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---

### 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?

\_\_\_\_\_

\_\_\_\_\_

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? \_\_\_\_\_

b. What police or other public protection forces serve the project site?

\_\_\_\_\_

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

\_\_\_\_\_

d. What parks serve the project site?

\_\_\_\_\_

\_\_\_\_\_

### 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)?

\_\_\_\_\_

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ acres

b. Total acreage to be physically disturbed? \_\_\_\_\_ acres

c. Total acreage (project site and any contiguous properties) owned  
or controlled by the applicant or project sponsor? \_\_\_\_\_ acres

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)? % \_\_\_\_\_ Units: \_\_\_\_\_

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 the proposed action be constructed in multiple phases? ☐ Yes ☐ No

i. If No, anticipated period of construction: \_\_\_\_\_ 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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>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)? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes,                                       |  |
| i. Total number of structures _____<br>ii. Dimensions (in feet) of largest proposed structure: _____ height; _____ (array) width; and _____ length<br>iii. Approximate extent of building space to be heated or cooled: _____ 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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes,  |  |
| i. Purpose of the impoundment: _____<br>ii. If a water impoundment, the principal source of the water: <span style="float: right;"><input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify:</span><br>_____<br>iii. If other than water, identify the type of impounded/contained liquids and their source.<br>_____<br>iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres<br>v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length<br>vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):<br>_____ |  |

**D.2. Project Operations**

|   |  |
|---|--|
| a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)<br>If Yes:   |  |
| i. What is the purpose of the excavation or dredging? _____<br>ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?<br>• Volume (specify tons or cubic yards): _____<br>• Over what duration of time? _____<br>iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.<br>_____<br>_____<br>iv. Will there be onsite dewatering or processing of excavated materials? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If yes, describe. _____<br>_____<br>v. What is the total area to be dredged or excavated? _____ acres<br>vi. What is the maximum area to be worked at any one time? _____ acres<br>vii. What would be the maximum depth of excavation or dredging? _____ feet<br>viii. Will the excavation require blasting? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>ix. Summarize site reclamation goals and plan: _____<br>_____<br>_____ |  |

|   |  |
|---|--|
| 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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes: |  |
| i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____<br>_____  |  |

*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:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*iii.* Will the proposed action cause or result in disturbance to bottom sediments? Yes ☐ No ☐  
If Yes, describe: \_\_\_\_\_

*iv.* Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No ☐  
If Yes:

- acres of aquatic vegetation proposed to be removed: \_\_\_\_\_
- expected acreage of aquatic vegetation remaining after project completion: \_\_\_\_\_
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): \_\_\_\_\_
- proposed method of plant removal: \_\_\_\_\_
- if chemical/herbicide treatment will be used, specify product(s): \_\_\_\_\_

*v.* Describe any proposed reclamation/mitigation following disturbance: \_\_\_\_\_

---

*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), what is the maximum pumping capacity: \_\_\_\_\_ gallons/minute.

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*d.* Will the proposed action generate liquid wastes? ☐ Yes ☐ No ☐  
If Yes:

*i.* Total anticipated liquid waste generation per day: \_\_\_\_\_ 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): \_\_\_\_\_

\_\_\_\_\_

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

- Name of wastewater treatment plant to be used: \_\_\_\_\_
- Name of district: \_\_\_\_\_
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No ☐
- Is the project site in the existing district? ☐ Yes ☐ No ☐
- Is expansion of the district needed? ☐ Yes ☐ No ☐

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| <ul style="list-style-type: none"> <li>• Do existing sewer lines serve the project site? _____</li> <li>• Will a line extension within an existing district be necessary to serve the project? _____</li> </ul> <p>If Yes:</p> <ul style="list-style-type: none"> <li>• Describe extensions or capacity expansions proposed to serve this project: _____<br/>           _____<br/>           _____</li> </ul>  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No   |  |
| <p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> <li>• Applicant/sponsor for new district: _____</li> <li>• Date application submitted or anticipated: _____</li> <li>• What is the receiving water for the wastewater discharge? _____</li> </ul>  | <input type="checkbox"/> Yes <input type="checkbox"/> No   |  |
| <p>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): _____<br/>           _____<br/>           _____</p>   |  |  |
| <p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____<br/>           _____<br/>           _____</p>  |  |  |
| <p>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? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel?</p> <p style="padding-left: 40px;">_____ Square feet or _____ acres (impervious surface)</p> <p style="padding-left: 40px;">_____ Square feet or _____ acres (parcel size)</p> <p>ii. Describe types of new point sources. _____<br/>           _____</p> <p>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)? _____<br/>           _____</p> <ul style="list-style-type: none"> <li>• If to surface waters, identify receiving water bodies or wetlands: _____<br/>             _____</li> <li>• Will stormwater runoff flow to adjacent properties? _____</li> </ul> | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No |  |
| <p>iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</p>   |  |  |
| <p>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? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____</p>  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No   |  |
| <p>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? _____</p> <p>If Yes:</p> <p>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) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> <li>• _____ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)</li> <li>• _____ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)</li> <li>• _____ Tons/year (short tons) of Perfluorocarbons (PFCs)</li> <li>• _____ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)</li> <li>• _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)</li> <li>• _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)</li> </ul>   |  | <input type="checkbox"/> Yes <input type="checkbox"/> No<br><input type="checkbox"/> Yes <input type="checkbox"/> No |



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| <p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>   |   |  |   |
| <p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p>  |   |  |   |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend<br/> <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <span style="float: right;">Yes No</span></p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> |   |  |   |
| <p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade, to an existing substation? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p>  |   |  |   |
| <p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> </td> </tr> </table>  |   | <p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> | <p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> |
| <p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul>   | <p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____</li> <li>• Saturday: _____</li> <li>• Sunday: _____</li> <li>• Holidays: _____</li> </ul> |  |   |

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| <p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p>_____</p> <p>_____</p>  |  |
| <p>ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>Describe: _____</p> <p>_____</p>   |  |
| <p>n. Will the proposed action have outdoor lighting? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>_____</p> <p>_____</p>  |  |
| <p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>Describe: _____</p> <p>_____</p>   |  |
| <p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p> <p>_____</p> <p>_____</p>  |  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally, describe the proposed storage facilities: _____</p> <p>_____</p>   |  |
| <p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p>  |  |
| <p>ii. Will the proposed action use Integrated Pest Management Practices? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p>   |  |
| <p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> <li>• Construction: _____ tons per _____ (unit of time)</li> <li>• Operation : _____ tons per _____ (unit of time)</li> </ul> <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> <li>• Construction: _____</li> <li>_____</li> <li>• Operation: _____</li> <li>_____</li> </ul> <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> <li>• Construction: _____</li> <li>_____</li> <li>• Operation: _____</li> <li>_____</li> </ul> |  |

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 the 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

| <b>E.1. Land uses on and surrounding the project site</b>   |                    |                                     |                       |
|---|--------------------|-------------------------------------|-----------------------|
| a. Existing land uses.<br>i. Check all uses that occur on, adjoining and near the project site.<br><input type="checkbox"/> Urban <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Residential (suburban) <input type="checkbox"/> Rural (non-farm)<br><input type="checkbox"/> Forest <input type="checkbox"/> Agriculture <input type="checkbox"/> Aquatic <input type="checkbox"/> Other (specify): _____<br>ii. If mix of uses, generally describe:<br>_____<br>_____ |                    |                                     |                       |
| b. Land uses and coverytypes on the project site.   |                    |                                     |                       |
| Land use or<br>Coverytype   | Current<br>Acreage | Acreage After<br>Project Completion | Change<br>(Acres +/-) |
| • Roads, buildings, and other paved or impervious surfaces  |                    |                                     |                       |
| • Forested  |                    |                                     |                       |
| • Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)  |                    |                                     |                       |
| • Agricultural (includes active orchards, field, greenhouse etc.)   |                    |                                     |                       |
| • Surface water features (lakes, ponds, streams, rivers, etc.)  |                    |                                     |                       |
| • Wetlands (freshwater or tidal)  |                    |                                     |                       |
| • Non-vegetated (bare rock, earth or fill)  |                    |                                     |                       |
| • Other<br>Describe: _____<br>_____   |                    |                                     |                       |

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| <p>c. Is the project site presently used by members of the community for public recreation? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>i. If Yes: explain: _____</p>   |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes,</p> <p>i. Identify Facilities: _____</p> <p>_____</p>  |
| <p>e. Does the project site contain an existing dam? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Dimensions of the dam and impoundment:</p> <ul style="list-style-type: none"> <li>• Dam height: _____ feet</li> <li>• Dam length: _____ feet</li> <li>• Surface area: _____ acres</li> <li>• Volume impounded: _____ gallons OR acre-feet</li> </ul> <p>ii. Dam's existing hazard classification: _____</p> <p>iii. Provide date and summarize results of last inspection: _____</p> <p>_____</p>  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Has the facility been formally closed? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <ul style="list-style-type: none"> <li>• If yes, cite sources/documentation: _____</li> </ul> <p>ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____</p> <p>_____</p> <p>iii. Describe any development constraints due to the prior solid waste activities: _____</p> <p>_____</p>  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____</p> <p>_____</p>  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p>i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input type="checkbox"/> Yes – Spills Incidents database</p> <p><input type="checkbox"/> Yes – Environmental Site Remediation database</p> <p><input type="checkbox"/> Neither database</p> </div> <div style="width: 50%;"> <p>Provide DEC ID number(s): _____</p> <p>Provide DEC ID number(s): _____</p> </div> </div> <p>ii. If site has been subject of RCRA corrective activities, describe control measures: _____</p> <p>_____</p> <p>iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes, provide DEC ID number(s): _____</p> <p>iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____</p> <p>_____</p> |

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| v. Is the project site subject to an institutional control limiting property uses? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> <ul style="list-style-type: none"> <li>• If yes, DEC site ID number: _____</li> <li>• Describe the type of institutional control (e.g., deed restriction or easement): _____</li> <li>• Describe any use limitations: _____</li> <li>• Describe any engineering controls: _____</li> <li>• Will the project affect the institutional or engineering controls in place? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></li> <li>• Explain: _____<br/> _____</li> </ul>  |  |
| <b>E.2. Natural Resources On or Near Project Site</b>  |  |
| a. What is the average depth to bedrock on the project site? _____ feet  |  |
| b. Are there bedrock outcroppings on the project site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %  |  |
| c. Predominant soil type(s) present on project site: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>_____</div> <div>_____ %</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>_____</div> <div>_____ %</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div>_____</div> <div>_____ %</div> </div>  |  |
| d. What is the average depth to the water table on the project site? Average: _____ feet   |  |
| e. Drainage status of project site soils: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> Well Drained: _____ % of site <input type="checkbox"/> Moderately Well Drained: _____ % of site <input type="checkbox"/> Poorly Drained: _____ % of site </div>   |  |
| f. Approximate proportion of proposed action site with slopes: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <input type="checkbox"/> 0-10%: _____ % of site <input type="checkbox"/> 10-15%: _____ % of site <input type="checkbox"/> 15% or greater: _____ % of site </div>  |  |
| g. Are there any unique geologic features on the project site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes, describe: _____<br>_____   |  |
| h. Surface water features. <div style="margin-top: 10px;"> i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> </div> <div style="margin-top: 5px;"> ii. Do any wetlands or other waterbodies adjoin the project site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> </div> <div style="margin-top: 5px;"> If Yes to either <i>i</i> or <i>ii</i>, continue. If No, skip to E.2.i. </div> <div style="margin-top: 5px;"> iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span> </div> <div style="margin-top: 5px;"> iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <ul style="list-style-type: none"> <li>• Streams: Name _____ Classification _____</li> <li>• Lakes or Ponds: Name _____ Classification _____</li> <li>• Wetlands: Name _____ Approximate Size _____</li> <li>• Wetland No. (if regulated by DEC) _____</li> </ul> </div> |  |
| v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If yes, name of impaired water body/bodies and basis for listing as impaired: _____<br>_____  |  |
| i. Is the project site in a designated Floodway? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>   |  |
| j. Is the project site in the 100-year Floodplain? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>   |  |
| k. Is the project site in the 500-year Floodplain? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>   |  |
| l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes: <div style="margin-top: 5px;"> i. Name of aquifer: _____ </div>   |  |

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| <p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>_____</p> <p>_____</p>   |  |
| <p>n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul> |  |
| <p>o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>  |  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p> <p>_____</p>   |  |
| <p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p> <p>_____</p>  |  |
| <p><b>E.3. Designated Public Resources On or Near Project Site</b></p>   |  |
| <p>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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes, provide county plus district name/number: _____</p>   |  |
| <p>b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>  |  |
| <p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <span style="margin-left: 20px;"><input type="checkbox"/> Biological Community</span> <span style="margin-left: 20px;"><input type="checkbox"/> Geological Feature</span></p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>              |  |
| <p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>  |  |

|   |
|---|
| e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes:<br>i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District<br>ii. Name: _____<br>iii. Brief description of attributes on which listing is based: _____ |
| 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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>   |
| g. Have additional archaeological or historic site(s) or resources been identified on the project site? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes:<br>i. Describe possible resource(s): _____<br>ii. Basis for identification: _____  |
| h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes:<br>i. Identify resource: _____<br>ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____<br>iii. 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? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span><br>If Yes:<br>i. Identify the name of the river and its designation: _____<br>ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <span style="float: right;"><input type="checkbox"/> Yes <input type="checkbox"/> No</span>  |

#### F. Additional Information

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

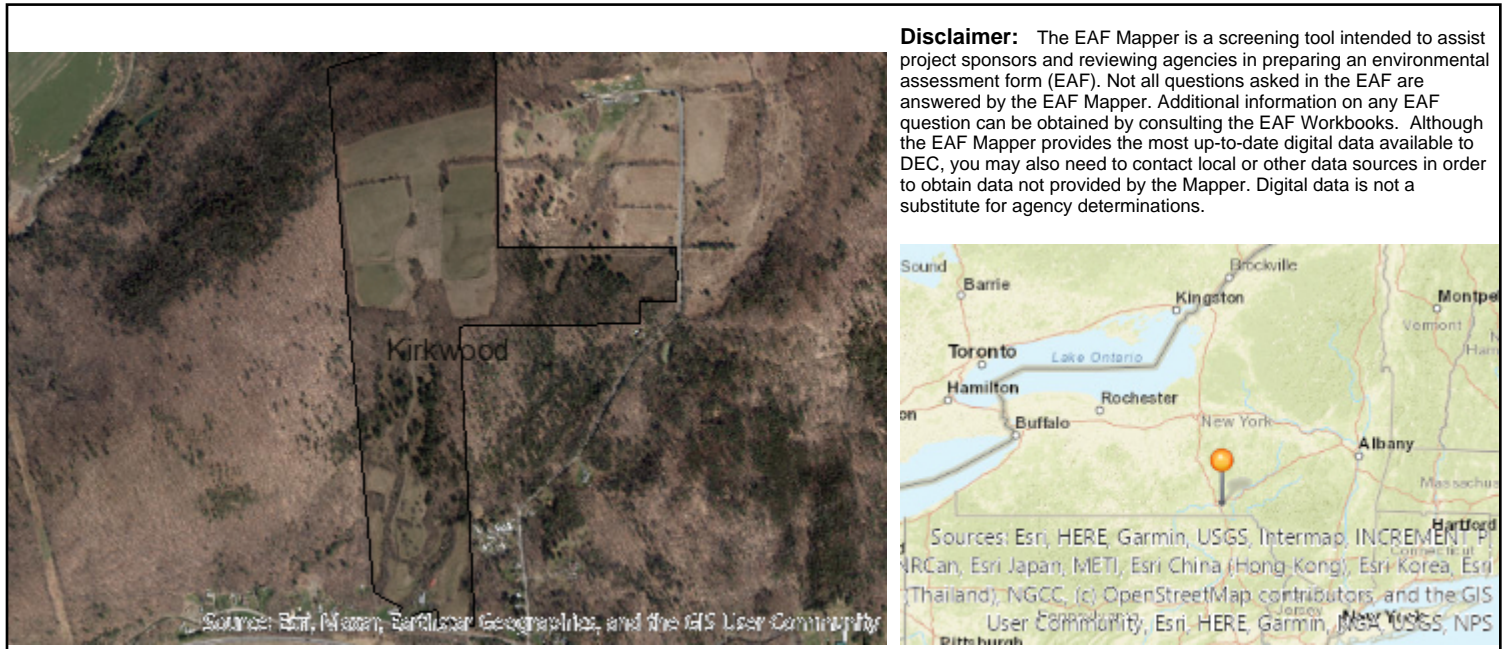
If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

#### G. Verification

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

Applicant/Sponsor Name \_\_\_\_\_ Date \_\_\_\_\_

Signature SM \_\_\_\_\_ Title \_\_\_\_\_



|  |   |
|--|---|
| B.i.i [Coastal or Waterfront Area]   | No  |
| B.i.ii [Local Waterfront Revitalization Area]                                      | No  |
| C.2.b. [Special Planning District]   | Yes - Digital mapping data are not available for all Special Planning Districts. Refer to EAF Workbook.                           |
| C.2.b. [Special Planning District - Name]  | NYS Major Basins:Upper Susquehanna  |
| E.1.h [DEC Spills or Remediation Site - Potential Contamination History]           | Digital mapping data are not available or are incomplete. Refer to EAF Workbook.  |
| E.1.h.i [DEC Spills or Remediation Site - Listed]                                  | Digital mapping data are not available or are incomplete. Refer to EAF Workbook.  |
| E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook.  |
| E.1.h.iii [Within 2,000' of DEC Remediation Site]                                  | No  |
| E.2.g [Unique Geologic Features]   | No  |
| E.2.h.i [Surface Water Features]   | Yes   |
| E.2.h.ii [Surface Water Features]  | Yes   |
| E.2.h.iii [Surface Water Features]   | Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook. |
| E.2.h.iv [Surface Water Features - Stream Name]                                    | 931-902   |
| E.2.h.iv [Surface Water Features - Stream Classification]                          | C   |
| E.2.h.iv [Surface Water Features - Wetlands Name]                                  | Federal Waters  |
| E.2.h.v [Impaired Water Bodies]  | Yes   |
| E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]                       | Name - Pollutants - Uses:Park Creek and tribs - Fecal Coliforms   |



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|--|--|
| E.2.i. [Floodway]  | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.2.j. [100 Year Floodplain]   | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.2.k. [500 Year Floodplain]   | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.2.l. [Aquifers]  | Yes  |
| E.2.l. [Aquifer Names]   | Sole Source Aquifer Names:Clinton Street Ballpark SSA                            |
| E.2.n. [Natural Communities]   | No   |
| E.2.o. [Endangered or Threatened Species]                                      | No   |
| E.2.p. [Rare Plants or Animals]  | No   |
| E.3.a. [Agricultural District]   | No   |
| E.3.c. [National Natural Landmark]   | No   |
| E.3.d [Critical Environmental Area]  | No   |
| E.3.e. [National or State Register of Historic Places or State Eligible Sites] | Digital mapping data are not available or are incomplete. Refer to EAF Workbook. |
| E.3.f. [Archeological Sites]   | Yes  |
| E.3.i. [Designated River Corridor]   | No   |