

**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: KCE NY 31 Battery Energy Storage Facility		
Project Location (describe, and attach a general location map): 1 Lilco Rd, hamlet of East Shoreham, Town of Brookhaven, Suffolk County, New York 11786. See Figure B-1 in the Expanded EA for a general location map.		
Brief Description of Proposed Action (include purpose or need): See Attachment A of the Expanded EA - Project Description		
Name of Applicant/Sponsor: KCE NY 31, LLC		Telephone: 516-279-2955
		E-Mail: phil.denara@keycaptureenergy.com
Address: 25 Monroe Street, Suite 300		
City/PO: Albany	State: New York	Zip Code: 12210
Project Contact (if not same as sponsor; give name and title/role): Phil Denara		Telephone: 516-279-2955
		E-Mail: phil.denara@keycaptureenergy.com
Address: 25 Monroe Street, Suite 300		
City/PO: Albany	State: New York	Zip Code: 12210
Property Owner (if not same as sponsor): Long Island Lighting Company d/b/a LIPA		Telephone: 516-222-7700
		E-Mail:
Address: 333 Earle Ovington Boulevard		
City/PO: Uniondale	State: New York	Zip Code: 11553

**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 Counsel, Town Board, <input type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town of Brookhaven IDA	Fall 2024
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	PSEG LI on behalf of LIPA - SEQRA Review, and Site Plan Approval; NYSDEC - SWPPP; New York State Office of Parks, Recreation and Historic Preservation (OPRHP) - Review	Fall 2024; Winter 2025; May 2023
h. Federal agencies <input type="checkbox"/> Yes <input type="checkbox"/> No		
<p>i. Coastal Resources.</p> <p><i>i.</i> Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p><i>ii.</i> Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p><i>iii.</i> Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		

**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? \*The Shoreham Hamlet Study includes specific recommendations for the Site. See Attachment B of the Expanded EA for further details.  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):  
 NYS Heritage Areas: LI North Shore Heritage Area  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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):  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**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?  
L Industrial 4 (Note: LIPA is a State Authority exempt from local regulation)

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, Note: LIPA is a State Authority exempt from local regulation  
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? Shoreham-Wading River Central School District

b. What police or other public protection forces serve the project site?  
Suffolk County Police Department 7th Precinct

c. Which fire protection and emergency medical services serve the project site?  
Wading River Fire District

d. What parks serve the project site?  
Shoreham Beach (0.24 mi), Wading River Beach (0.3 mi), Defense Hill (0.5 mi), Jomar Park (0.98 mi)

**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)? Industrial/ Utilities (Battery Energy Storage Facility, substation, interconnection and relocation of training facility)

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ 4.39\* acres  
b. Total acreage to be physically disturbed? \_\_\_\_\_ 4.39\* acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? \_\_\_\_\_ 2.29\* acres  
\*See supplemental attachment sheet for additional information

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: \_\_\_\_\_ 16\*\* months  
ii. If Yes: \*\*See supplemental attachment sheet for additional information  
• Total number of phases anticipated \_\_\_\_\_  
• Anticipated commencement date of phase 1 (including demolition) \_\_\_\_\_ month \_\_\_\_\_ year  
• Anticipated completion date of final phase \_\_\_\_\_ month \_\_\_\_\_ year  
• Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

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

g. Does the proposed action include new non-residential construction (including expansions)?  Yes  No  
 If Yes,

i. Total number of structures 189\*

ii. Dimensions (in feet) of largest proposed structure: 13\* height; 14 width; and 28 length

iii. Approximate extent of building space to be heated or cooled: +/-10,097\* square feet

\*See supplemental attachment sheet for additional information

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

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

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

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

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

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

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

**D.2. Project Operations**

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

i. What is the purpose of the excavation or dredging? Site regrading, drainage installation

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

- Volume (specify tons or cubic yards): 1,515 Cubic Yards
- Over what duration of time? 8-16 months

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.  
 Materials to be excavated will mostly include native soils and sands. The material will be stockpiled on site. Any excess material will be removed off-site by the contractor.

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

v. What is the total area to be dredged or excavated? 4.39 acres

vi. What is the maximum area to be worked at any one time? 4.39+ acres

vii. What would be the maximum depth of excavation or dredging? 25 feet

viii. Will the excavation require blasting?  Yes  No

ix. Summarize site reclamation goals and plan: \_\_\_\_\_

Once drainage infrastructure and utilities are installed, excavated areas will be graded and stabilized with gravel or grass seeding in certain areas. Once completed, the site will operate as a "Battery Energy Storage System" (BESS) facility.

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

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): \_\_\_\_\_

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: \_\_\_\_\_ \*The only demand for water will be for fire suppression.

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.

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

• Do existing sewer lines serve the project site?  Yes  No  
 • Will a line extension within an existing district be necessary to serve the project?  Yes  No  
 If Yes:  
 • Describe extensions or capacity expansions proposed to serve this project: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

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

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

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction?  Yes  No  
 If Yes:  
 i. How much impervious surface will the project create in relation to total size of project parcel?  
 \_\_\_\_\_ Square feet or 1.48 acres (impervious surface)  
 \_\_\_\_\_ Square feet or 4.39\* acres (parcel size)  
 ii. Describe types of new point sources. New internal driveways and foundations; roofs of BESS Facility structures; new substation control building and project substation equipment.  
 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)?  
Drainage infrastructure will be installed onsite to manage project generated stormwater runoff. These facilities will be designed in accordance with SWPPP requirements.

\*Acreage only includes leased area where BESS facility will be located and relocated training facility area, not the total acreage of SCTM Number 0200-039.00-02.00-002.000 and 0200-040.00-01.00-001.000.

• If to surface waters, identify receiving water bodies or wetlands: N/A  
 \_\_\_\_\_  
 \_\_\_\_\_

• Will stormwater runoff flow to adjacent properties?  Yes  No

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

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations?  Yes  No  
 If Yes, identify:  
 i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)  
 \_\_\_\_\_  
 ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)  
 \_\_\_\_\_  
 iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 \_\_\_\_\_

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit?  Yes  No  
 If Yes:  
 i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year)  Yes  No  
 ii. In addition to emissions as calculated in the application, the project will generate:  
 • \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide (CO<sub>2</sub>)  
 • \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)  
 • \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)  
 • \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)  
 • \_\_\_\_\_ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)  
 • \_\_\_\_\_ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

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

If Yes:

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

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

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

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

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

If Yes:

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

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): \_\_\_\_\_

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

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

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

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

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

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

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

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: TBD. The project will enhance the reliability and efficiency of the local electrical system by storing energy during periods of low demand and releasing energy to the grid during periods of high demand. Detailed site design to calculate the electricity demand for energy using project elements (eg. lighting and HVAC for 392 SF project substation control building) has not yet been prepared.

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

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

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

<p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 7:00am-6:00pm</li> <li>• Saturday: _____ N/A</li> <li>• Sunday: _____ N/A</li> <li>• Holidays: _____ N/A</li> </ul>	<p>ii. During Operations:*</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 24/7 Utility Use</li> <li>• Saturday: _____ 24/7 Utility Use</li> <li>• Sunday: _____ 24/7 Utility Use</li> <li>• Holidays: _____ 24/7 Utility Use</li> </ul>
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\*BESS will be remotely monitored and operate generally unmanned aside from periodic maintenance visits as discussed in Attachment A of the Expanded EA. The relocated training facility will operate from 7:00am - 3:30pm.

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

If yes:

*i.* Provide details including sources, time of day and duration: Heavy equipment will operate on-site during construction hours identified above. These operations will be temporary during the construction period only. During operations, it is expected that noise levels will experience minor increases compared to existing conditions. However, these noise level increases will occur on-site and will not occur in areas that are publicly accessible. There is no increase in energy usage for the training facility. See Attachment F of the Expanded EA for more details.

*ii.* Will the proposed action remove existing natural barriers that could act as a noise barrier or screen?  Yes  No

Describe: \_\_\_\_\_

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

If yes:

*i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:  
Exterior lighting will be installed and will be limited to lights required for security and emergency nighttime repairs. Lighting to be installed will include nine feet-tall fixtures around the exterior facade of the substation building and 20 feet-tall fixtures throughout the Proposed Action Site.

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

Describe: \_\_\_\_\_

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o. Does the proposed action have the potential to produce odors for more than one hour per day?  Yes  No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: \_\_\_\_\_

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

If Yes:

*i.* Product(s) to be stored Lithium-ion, dielectric and cooling fluids \*See supplemental attachment sheet for additional information

*ii.* Volume(s) \_\_\_\_\_ \* per unit time as needed\*\* (e.g., month, year) \*\*Chemicals onsite will not be diminished during operations or require replenishment.

*iii.* Generally, describe the proposed storage facilities: \_\_\_\_\_

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

If Yes:

*i.* Describe proposed treatment(s):  
Herbicides will be applied annually inside the relocated training facility to control vegetative re-growth.

\_\_\_\_\_

\_\_\_\_\_

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

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

If Yes:

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

- Construction: \_\_\_\_\_ 90 cubic yards per \_\_\_\_\_ 16 months (unit of time)
- Operation : \_\_\_\_\_ N/A tons per \_\_\_\_\_ N/A (unit of time)

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

- Construction: Excavated soil will be resused onsite as appropriate. However, management of these materials will be the responsibility of the contractor.
- Operation: N/A - The Proposed Action will not generate solid waste. The proposed BESS will operate unmanned.

\_\_\_\_\_

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

- Construction: The contractor will be responsible for disposal of solid waste at appropriately licensed facilities. Excess soil and construction materials will be transported off-site for disposal in accordance with Federal and State regulations.
- Operation: N/A - the Proposed Action will not generate solid waste. The proposed BESS will operate unmanned.

\_\_\_\_\_



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**

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

a. Existing land uses.  
 i. Check all uses that occur on, adjoining and near the project site.  
 Urban  Industrial  Commercial  Residential (suburban)  Rural (non-farm)  
 Forest  Agriculture  Aquatic  Other (specify): Utilities, Vacant, Open Space and Recreation

ii. If mix of uses, generally describe:  
 The Site in use as a training facility and an administrative building. Other uses on the LIPA-owned property are industrial in nature and include warehouses, outdoor storage, an electrical substation, power supply support facilities, and low-voltage distribution lines. Land uses adjoining the Site include vacant/natural areas to the west, northwest, northeast, east and southeast; surface waters to the north; and utility uses to the south. Land uses that occur within 1/2 mile of the Proposed Action Site primarily include utilities; vacant; residential; surface waters; and preserved land, open space and recreation.

b. Land uses and covertypes on the project site.\*

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.97	0.76	-0.21
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	2.28	0.80	-1.48
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: <u>GRAVEL DRIVEWAY</u>	1.14	2.83	+1.69

\*Acreages only include leased area where BESS facility will be located and relocated training facility area, not the total acreage of SCTM Number 0200-039.00-02.00-002.000 and 0200-040.00-01.00-001.000.

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

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?  Yes  No  
If Yes,  
i. Identify Facilities: \_\_\_\_\_

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

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

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste?  Yes  No  
If Yes:  
i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:  
See Attachment J of the Expanded EA for further detail. \_\_\_\_\_

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

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

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

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

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ 950 feet

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

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

Riverhead sandy loam (RdB)	_____	63.2 %
Plymouth loamy course sand (PIB)	_____	36.8 %
	_____	_____ %

d. What is the average depth to the water table on the project site? Average: \_\_\_\_\_ 20 feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ 100 % of site  
 Moderately Well Drained: \_\_\_\_\_ % of site  
 Poorly Drained \_\_\_\_\_ % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: \_\_\_\_\_ 100 % of site  
 10-15%: \_\_\_\_\_ % of site  
 15% or greater: \_\_\_\_\_ % of site

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

h. Surface water features.\*

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

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
If Yes to either *i* or *ii*, continue. If No, skip to E.2.i. \*See Attachment C of the Expanded EA for further details.

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

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

- Streams: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name Tidal Wetlands, Federal Waters Approximate Size \_\_\_\_\_
- Wetland No. (if regulated by DEC) \_\_\_\_\_

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_  
\_\_\_\_\_

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

j. Is the project site in the 100-year Floodplain?  Yes  No\*\*  
\*\*According to the NYSDEC EAF Mapper, the Proposed Action Site is located within the 100-year floodplain. However, after further review, the proposed BESS Facility, underground generation interconnect line, and relocated training facility will not be located on an area which is within the 100-year floodplain.

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

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
If Yes:  
i. Name of aquifer: Sole Source Aquifer Names:Nassau-Suffolk SSA \_\_\_\_\_

m. Identify the predominant wildlife species that occupy or use the project site: \_\_\_\_\_  
 Expected species: eastern gray squirrel, field mice, and common suburban bird \_\_\_\_\_  
 eastern cottontail, common raccoon, species such as cardinals, blue jays, \_\_\_\_\_  
 chipmunk, opossum, canada goose, sparrows, finches, and crows. \_\_\_\_\_

n. Does the project site contain a designated significant natural community? \*  Yes  No  
 If Yes:  
 i. Describe the habitat/community (composition, function, and basis for designation): \_\_\_\_\_  
 Maritime Dunes, Coastal Oak-Heath Forest, High Salt Marsh, Maritime Beach, Marine Intertidal Gravel/Sand Beach  
 ii. Source(s) of description or evaluation: \_\_\_\_\_  
 iii. Extent of community/habitat: \_\_\_\_\_

- Currently: 11.32, 560.12, 125.43, 103.74, 173.78 acres
- Following completion of project as proposed: N/A\* acres
- Gain or loss (indicate + or -): N/A\* acres

\*According to the NYSDEC EAF Mapper, the Site contains a designated significant natural community. However, after further review of the NYSDEC ERM, it has been confirmed that the proposed area to be disturbed does not contain a Significant Natural Community. See Attachment C of the Expanded EA for further details.

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? \*\*  Yes  No  
 If Yes:  
 i. Species and listing (endangered or threatened): \_\_\_\_\_  
 Low Rock Rose, Eastern Grasswort, Reznicek's Sedge, Coastal Silverweed, Seaside Agalinis, Annual Saltmarsh Aster, Seaside Plant...  
 \*\*The proposed area of disturbance is fully developed/cleared and is not anticipated to provide habitat for these species. See Attachment C of the Expanded EA for further details.

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? \*\*\*  Yes  No  
 If Yes: \*\*\*The proposed area of disturbance is fully developed/cleared and is not anticipated to provide habitat for these species. See Attachment C of the Expanded EA for further details.  
 i. Species and listing: \_\_\_\_\_  
 Black-edged Sedge

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing?  Yes  No  
 If yes, give a brief description of how the proposed action may affect that use: \_\_\_\_\_

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

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

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

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

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area?  Yes  No  
 If Yes:  
 i. CEA name: \_\_\_\_\_  
 ii. Basis for designation: \_\_\_\_\_  
 iii. Designating agency and date: \_\_\_\_\_

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?  Yes  No  
 If Yes:  
 i. Nature of historic/archaeological resource:  Archaeological Site  Historic Building or District  
 ii. Name: Josiah Woodhull House  
 iii. Brief description of attributes on which listing is based: The Josiah Woodhull House was designated as a historic resource by the Office of Parks, Recreation and Historic Preservation (OPRHP) due to its representative example of 18th-century and Colonial Revival architecture in the Town of Brookhaven. The Proposed Action Site does not immediately adjoin the Josiah Woodhull House, as it is separated from the historic site by an existing property. See Attachment D of the Expanded EA for further details.

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?  Yes  No

g. Have additional archaeological or historic site(s) or resources been identified on the project site?  Yes  No  
 If Yes:  
 i. Describe possible resource(s): \_\_\_\_\_  
 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?  Yes  No  
 If Yes:  
 i. Identify resource: See supplemental attachment sheet for additional information.  
 ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State parks, County parks, and local parks; State Heritage Area; nature preserve; historic buildings  
 iii. Distance between project and resource: \_\_\_\_\_ within 5 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?  Yes  No  
 If Yes:  
 i. Identify the name of the river and its designation: \_\_\_\_\_  
 ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666?  Yes  No

**F. Additional Information**

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


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

**G. Verification**

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

Applicant/Sponsor Name KCE NY 31, LLC

Date 11/6/2024

Signature   
Digitally signed by Lisa M. Rickmers  
 DN: cn=Lisa M. Rickmers, ou=Dept 7000 Civil - Survey  
 Structure, ou=538 Melville, dc=h2m, dc=com  
 Reason: I attest to the accuracy and integrity of this  
 document  
 Date: 2024.11.06 12:06:04-05'00'

Title Senior Environmental Planner



**Disclaimer:** The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



B.i.i [Coastal or Waterfront Area]	Yes
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 Heritage Areas:LI North Shore Heritage Area
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 - Wetlands Name]	Tidal Wetlands, Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Sole Source Aquifer Names:Nassau-Suffolk SSA

E.2.n. [Natural Communities]	Yes
E.2.n.i [Natural Communities - Name]	Maritime Dunes, Coastal Oak-Heath Forest, High Salt Marsh, Maritime Beach, Marine Intertidal Gravel/Sand Beach
E.2.n.i [Natural Communities - Acres]	11.32, 560.12, 125.43, 103.74, 173.78
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Low Rock Rose, Eastern Grasswort, Reznicek's Sedge, Coastal Silverweed, Seaside Agalinis, Annual Saltmarsh Aster, Seaside Plantain, Piping Plover, Least Tern
E.2.p. [Rare Plants or Animals]	Yes
E.2.p. [Rare Plants or Animals - Name]	Black-edged Sedge
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]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	Josiah Woodhull House
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No