

**TOWN OF RIDGEWAY
TOWN BOARD MEETING**

March 15, 2021

7:30 P.M.

THOSE PRESENT:

Brian Napoli
Jeffrey Toussaint
Mary Woodruff
David Stalker
Duane Payne

Town Supervisor
Councilman (absent)
Councilman (on phone)
Councilman
Councilman

John Olinger
Karen Kaiser
Laurie Kilburn
Patricia Laszewski
Kathy Bogan
Dan Wolfe

Highway Superintendent
Town Clerk
Deputy Town Clerk
Assessor
Town Attorney
Code Enforcement Officer (absent)

OTHERS:

Gabrielle Barone
Michael Dobell
Laura Olinger
Hannah Hill

Economic Development
Economic Development
Resident
Resident

The meeting was called to order by Supervisor Napoli at 7:30 P.M. with the reciting of the pledge of allegiance

RESOLUTION NO. 36- 3/15/2021

**RESOLUTION: ACCEPT THE AGENDA FOR
THE MARCH 15, 2021 TOWN BOARD
MEETING.**

Offered by Councilman Stalker who moved its adoption.
Seconded by Councilman Payne.

Adopted:

4 Yes

0 No

Resolved to accept the agenda for the March 15, 2021 Town Board Meeting

RESOLUTION NO.37-3/15/2021

RESOLUTION: APPROVE THE MINUTES OF THE
FEBRUARY 16, 2021 TOWN BOARD MEETING
AS PRESENTED.

Offered by Councilman Payne who moved its adoption.
Seconded by Councilman Woodruff.

Adopted:

4 Yes

0 No

Resolved to approve the minutes of the February 16, 2021 Town Board meeting as presented.

COMMUNICATIONS:

- `Route 104 bridge closing on April 26th re-opening sometime in September.
- Burning Ban: The D.E.C. has posted the burning ban in effect from March 16, 2021 thru May 14th.
- Federal Relief Announcement

DATE OF NEXT MEETINGS:

Workshop: April 13th, 7 P.M., Town Hall
Board Meeting: April 19th, 7 P.M., Town Hall

NEW BUSINESS:

RESOLUTION NO.38- 3/15/2021

RESOLUTION: AUTHORIZING THE SUBMISSION
OF A COMMUNITY DEVELOPMENT BLOCK
GRANT APPLICATION.

WHEREAS, VELOCITTII, LLC (hereinafter the
"Company") PLANS TO ACQUIRE FURNISHINGS,
FIXTURES AND EQUIPMENT, CONSTRUCT
LEASEHOLD IMPROVEMENTS, AND INCUR
WORKING CAPITAL EXPENSES IN CONNECTION
WITH THE EXPANSION OF ITS OPERATIONS AT
711 PARK AVENUE WITHIN THE TOWN OF
RIDGEWAY (THE "Project"); AND

WHEREAS, THE PROJECT WILL HAVE AN
ESTIMATED COST OF \$1.4 MILLION; AND

WHEREAS, THE COMPANY HAS REQUESTED
THAT THE TOWN OF RIDGEWAY (the "TOWN")
APPLY FOR COMMUNITY BLOCK GRANT
FUNDING FOR THE PROJECT FROM THE NEW

YORK STATE OFFICE OF COMMUNITY RENEWAL
(the "OCR") WHICH WOULD BE USED TO
FINANCE A PORTION OF THE PROJECT COSTS; AND

WHEREAS, THE ORLEANS COUNTY LAND RESTORATION
CORPORATION (the "OLCR") IS ASSISTING IN THE
FACILITATION OF THE PROJECT AND HAS REQUESTED
THAT THE TOWN PROVIDE OCR FUNDING TO OLRC AS A
GRANT FOR THE PURPOSE OF MAKING A TERM LOAN
AND DEFFERED LOAN TO THE COMPANY, AND

WHEREAS, THE PROJECT WILL RESULT IN A BENEFIT
TO THE TOWN AND ORLEANS COUNTY IN THE FORM
OF NEW EMPLOYEMENT POSITIONS, INCLUDING
POSITIONS THAT WILL PROVIDE TRAINING TO ENTY-
LEVEL EMPLOYEES; AND

WHEREAS, THE TOWN HAS HELD A PUBLIC HEARING TO
OBTAIN CITIZENS' VEIWS REGARDING THE PROJECT
AND THE CDBG PROGRAM AS ADMINISTERED BY OCR;

Offered by Councilman Stalker who moved its adoption.
Seconded by Councilman Woodruff.

Adopted:

4 Yes

0 No

NOW THEREFORE BE IT RESOLVED, That the Town Board of the Town of Ridgeway hereby
authorizes the Supervisor to submit a grant application to the OCR on behalf of the Town to support the
Project; and

BE IT FURTHER RESOLVED, that the Town Supervisor is hereby authorized to execute a grant
agreement between the Town and OCR and all related documents associated with the OCR grant,
including entering into a grant agreement with the OLRC for the implementation of the Project and
administration of the OCR grant, all such documents to be subject to review and approval by the Town
Attorney; and

BE IT FURTHER RESOLVED, the Supervisor is hereby designated as the Certifying Officer
responsible for all activities associated with the federal environmental review process to be completed
in conjunction with the Project.

RESOLUTION NO.39-3/15/2021

RESOLUTION: THE ADOPTION OF SECTION 3 PARTICIPATING PLAN IN CONNECTION WITH COMMUNITY DEVELOPMENT BLOCK GRANT FUNDING.

WHEREAS, THE TOWN OF RIDGEWAY (the "TOWN") IS APPLYING FOR A GRANT FROM THE NEW YORK STATE HOUSING TRUST FUND CORPORATION (HEREINAFTER THE "HTFC") REPRESENTED BY THE NEW YORK STATE OFFICE OF COMMUNITY RENEWAL (HERINAFTER THE "OCR") THROUGH THE COMMUNITY DEVELOPMENT BLOCK GRANT (HEREINAFTER "CBDG") PROGRAM FOR THE PURPOSE OF ASSISTING VELOCITII, LLC IN EXPANDING ITS OPERATIONS AT ITS FACILITY AT 711 PARK AVENUE WITHIN THE Town (THE" PROJECT"), AND

WHEREAS, OCR REQUIRES THAT A MUNICIPALITY APPLYING FOR AND RECEIVING A GRANT ADOPT A SECTION 3 PARTICIPATION PLAN, WHICH DESCRIBES HOW THE MUNICIPALITY WILL, TO THE GREATEST EXTENT POSSIBLE, PROVIDE JOB TRAINING, EMPLOYMENT, AND CONTRACT OPPORTUNITIES FOR LOW-OR VERY-LOW INCOME RESIDENTS IN CONNECTION WITH HOUSING REHABILITATION, HOUSING CONSTRUCTION OR OTHER PUBLIC CONSTRUCTION PROJECTS, IN ACCORDANCE WITH SECTION 3 OF THE HOUSING AND URBAN DEVELOPMENT ACT OF 1968; AND

WHEREAS, THE TOWN WISHES TO ADOPT THE THE SECTION 3 PLAN IN ORDER TO MEET OCR REQUIREMENTS AND PERMIT THE APPLICATION FOR FUNDING FOR THE PROJECT TO GO FORWARD.

Offered by Councilman Stalker who moved its adoption.
Seconded by Councilman Payne.

Adopted:

4 Yes

0 No

NOW THEREFORE BE IT RESOLVED, that the Town of Ridgeway Town Board hereby adopts the Section 3 Participation Plan for Section 3 Covered Contracts, as presented to the Town Board.

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Homes and Community Renewal

Section 3 Participation Plan

Town of Ridgeway For Section 3 Covered Contracts

Background:

Section 3 of the Housing and Urban Development Act of 1968, as amended, ("Section 3") requires that economic opportunities generated by certain U.S. Department of Housing and Urban Development financial assistance for housing and community development programs be directed to low- and very low-income persons, particularly those who are recipients of government assistance for housing, and business concerns which provide economic opportunities to low- and very low income persons¹.

Pursuant to Section 3 of the Housing and Urban Development Act of 1968, as amended and 24 CFR Part 135, the Town of Ridgeway in the County of Orleans adopts this Section 3 Participation Plan for Section 3 Covered Contracts. The policy will provide direction for implementing Section 3, when required.

Policy Statement:

The Town of Ridgeway shall provide opportunities to low- and very low-income persons residing in the State of New York (as defined in § 135.5 of 24 CFR Part 135) and to businesses meeting the definition of "Section 3 Business Concern" (as defined by 24 CFR Part 135). Accordingly, the Town of Ridgeway shall implement policies and procedures to ensure that Section 3, when required, is followed and develop programs and procedures necessary to implement this policy covering all procurement contracts where labor and/or professional services are provided. This policy shall not apply to contractors who only furnish materials or supplies through Section 3 covered assistance. It will apply to contractors who install materials or equipment. (See the definition of "Section 3 Covered Contracts" below.) There is nothing in this policy that should be construed to require the employment or contracting of a Section 3 resident or contractor who does not meet the qualifications of the position to be filled or who cannot fulfill the contract requirements.

¹ 124 CFR 135.1



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Definitions:

The Town of Ridgeway incorporates into this policy the definitions contained in § 135.5 of 24 CFR Part 135.

Defined Terms of Policy:

Section 3 – Section 3 is a provision of the Housing and Urban Development Act of 1968, which recognizes that HUD funds are typically one of the largest sources of federal funding expended in communities through the form of grants, loans, entitlement allocations and other forms of financial assistance. Section 3 is intended to ensure that when employment or contracting opportunities are generated because a covered project or activity necessitates the employment of additional persons or the awarding of contracts for work, preference must be given to low- and very low-income persons or business concerns residing in the community where the project is located.

Section 3 Recipient – means any entity which receives Section 3 covered assistance, directly from HUD or from another recipient and includes, but is not limited to, any State, unit of local government, PHA, IHA, Indian tribe, or other public body, public or private nonprofit organization, private agency or institution, mortgagor, developer, limited dividend sponsor, builder, property manager, community housing development organization, resident management corporation, resident council, or cooperative association. Recipient also includes any successor, assignee or transferees of any such entity, but does not include any ultimate beneficiary under the HUD program to which Section 3 applies and does not include contractors.

Section 3 Resident – A section 3 resident is:

- a public housing resident; or
- a low- or very low-income person residing in the metropolitan area or non-metropolitan county in which the Section 3 covered assistance is expended.

Section 3 Business Concern(s) – Section 3 Business Concerns are businesses that can provide evidence that they meet one of the following:

- 51% or more owned by Section 3 residents; or
- At least 30% of its full time employees include persons that are currently Section 3 residents, or within three years of the date of first employment with the business concern were Section 3 residents; or



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- Provides evidence, as required, of a commitment to subcontract in excess of 25% of the dollar award of all subcontracts to be awarded to business concerns that meet the qualifications in the above two paragraphs.

Section 3 Covered Assistance— Public and Indian housing development, operating or capital funds; or other housing assistance and community development assistance expended for housing rehabilitation, housing construction or other public construction projects, such as: CDBG, HOME, 202/811, Lead-Based Paint Abatement, etc.

The following definition for Section 3 Covered Assistance comes from 24 CFR 135.5: Public and Indian housing development assistance provided pursuant to section 5 of the 1937 Act;

- 1) Public and Indian housing operating assistance provided pursuant to section 9 of the 1937 Act;
- 2) Public and Indian housing modernization assistance provided pursuant to section 14 of the 1937 Act;
- 3) Assistance provided under any HUD housing or community development program that is expended for work arising in connection with:
 - i. Housing rehabilitation (including reduction and abatement of lead-based paint hazards, but excluding routine maintenance, repair and replacement);
 - ii. Housing construction; or
 - iii. Other public construction project which includes other buildings or improvements, regardless of ownership.

Section 3 Covered Contract – means a contract or subcontract (including a professional service contract) awarded by a recipient or contractor for work generated by the expenditure of Section 3 Covered Assistance, or for work arising in connection with a Section 3 Covered Project. "Section 3 Covered Contracts" do not include contracts awarded under HUD procurement program, which are governed by the Federal Acquisition Regulation System (see 48 CFR, Chapter 1). "Section 3 Covered Contracts" do not include contracts for the purchase of supplies and materials. However, whenever a contract for materials includes the installation of the materials, the contract constitutes a Section 3 Covered Contract. For example, a contract for the purchase and installation of a furnace would be a Section 3 Covered Contract because the contract is for work (i.e., the installation of the furnace) and thus is covered by Section 3.

Section 3 Covered Project – A section 3 covered project involves the construction or rehabilitation of housing (including reduction of lead-based paint hazards), or other



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public construction such as street repair, sewage line repair or installation, updates to building facades, or other public construction, etc.

Section 3 Covered Community Planning and Development Funding – Community Development Block Grants (CDBG), Home Investment Partnership Assistance (HOME), Emergency Shelter Grants (ESG), Neighborhood Stabilization Programs (NSP), and certain grants awarded under HUD Notices of Funding Availability (NOFA). The requirements for Section 3 only apply to the portion(s) of covered funding that were used for project/activities involving housing construction, rehabilitation, demolition, or other public construction.

Section 3 Thresholds - The requirements of Section 3 are applicable to HUD's direct "recipients" –for Section 3 covered project(s) for which the amount of the assistance is more than \$200,000.²

Contractors and Subcontractors are also subject to Section 3's requirements when performing any type of activity on Section 3 covered activity for which the amount of the assistance is in excess of \$200,000 and the contract or subcontract exceeds \$100,000.³

If a recipient receives Section 3 covered housing construction or public infrastructure or community development assistance in excess of \$200,000, but no individual contract exceeds \$100,000, Section 3 requirements will only apply to the recipient.

Finally, it should be noted that there are no thresholds for Section 3 covered Public and Indian Housing assistance.⁴ That is, all activities related to Public and Indian Housing assistance are covered by Section 3 regardless of the amount.

Responsibilities:

1. If the Town of Ridgeway receives community development or housing assistance covered by Section 3, it has the responsibility to comply with Section 3 in its own operations. This responsibility includes:
 - Notifying Section 3 residents and businesses about job opportunities and contracts generated by Section 3 covered assistance so that residents may seek jobs and businesses may submit bids/proposals for available contracts;
 - Notifying potential contractors of the objectives of Section 3 and ways in which each contractor can assist the sub-recipient to meet its goal;

² Sec 24 CFR 135.3 (a) (3) (ii).

³ 24 CFR 135.3 at 135 (3) (ii) (B).

⁴ *Id.* at 135.3 (a) (3) (i).



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- Facilitating the training and employment of Section 3 residents and the award of contracts to Section 3 business concerns; and
 - Documenting the action that the sub-recipient takes to comply with the Section 3 requirements, the results of the actions, and impediments, if any.
2. The Town of Ridgeway has a responsibility to "ensure compliance" of their contractors and subcontractors. This means that a sub-recipient must:
- Notify contractors of their responsibilities under Section 3 including, but not limited to, incorporating the Section 3 Clause in contract documents.
 - Refrain from entering into contracts with contractors that are in violation of the regulations in 24 CFR Part 135.
 - Respond to complaints made to the recipient by Section 3 residents or business concerns that the sub-recipient, a contractor or subcontractor, is not in compliance with 24 CFR Part 135.
 - Cooperate with HUD in obtaining the compliance of contractors and subcontractors when allegations are made that the sub-recipient's contractors and subcontractors are not in compliance with the regulation of 24 CFR Part 135.

Goals:

All contractors undertaking Section 3 covered projects and activities are expected to meet the Section 3 requirements. To demonstrate compliance with the "greatest extent feasible" requirement of Section 3, contractors must meet the goals set forth below for providing training, employment and contracting opportunities to Section 3 residents and Section 3 business concerns. To meet the goals, contractors must select Section 3 residents based on the following priorities pursuant to § 135.34, 24 CFR Part 135:

- First Priority - Residents of the development where the work is to be performed.
- Second Priority - Other residents of the neighborhood where the work is to be performed.
- Third Priority - Other residents of the neighborhood who are participants in HUD-Youthbuild or others federal, state, and local job programs being carried out in the city or county area.
- Fourth Priority - Other persons from the project metropolitan area who meet the definition of Section 3 resident contained in § 135.5 of 24 CFR Part 135.



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Employment:

All contractors will seek low- or very low-income persons residing in the property metropolitan area for 30% of all new hires. When applicable, the contractor must show evidence of seeking project residents for 15% of the new hires.

Eligibility for employment or contracting -nothing in this policy shall be construed to require the employment or contracting of a Section 3 resident or contractor who does not meet the qualifications of the position to be filled or who cannot perform the contract.

Preference for Section 3 Business Concerns:

Preference shall be awarded to Section 3 Business Concerns according to the following system:

1. Where the Section 3 Covered Contract is to be awarded based upon the lowest price, the contract shall be awarded to the qualified Section 3 Business Concern with the lowest responsive quotation, if it is reasonable and no more than 10 percent higher than the quotation of the lowest responsive quotation from any qualified source. If no responsive quotation by a qualified Section 3 Business Concern is within 10 percent of the lowest responsive quotation from any qualified source, the award shall be made to the source with the lowest quotation.
2. Where the Section 3 Covered Contract is to be awarded based on factors other than price, a request for quotations shall be issued by developing the particulars of the solicitation, including a rating system for the assignment of points to evaluate the merits of each quotation. The solicitation shall identify all factors to be considered, including price or cost. The rating system shall provide for a range of 15 to 25 percent of the total number of available rating points to be set aside for the provision of preference for Section 3 Business Concerns. The purchase order shall be awarded to the responsible firm whose quotation is the most advantageous, considering price and all other factors specified in the rating system.

Competitive Bids: Procurement by Sealed Bids (Invitations for Bids)

Preference in the award of Section 3 Covered Contracts that are awarded under a sealed bid process may be provided as follows:



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1. Bids shall be solicited from all businesses (i.e. Section 3 Business Concerns and non- Section 3 Business Concerns). An award shall be made to the qualified Section 3 Business Concern with the highest priority ranking (as defined in 24 CFR Part 135) and with the lowest responsive bid if that bid:

A) is within the maximum total contract price established in the Town of Ridgeway's budget for the specific project for which bids are being taken; and

B) is not more than "X" higher than the total bid price of the lowest responsive bid from any responsible bidder. "X" is determined as follows:

X = lesser of:

When the lowest responsive bid is less than \$100,000 10% of that bid or \$9,000

When the lowest responsive bid is:

At least \$100,000, but less than \$200,000 9% of that bid or \$16,000

At least \$200,000, but less than \$300,000 8% of that bid or \$21,000

At least \$300,000, but less than \$400,000 7% of that bid or \$24,000

At least \$400,000, but less than \$500,000 6% of that bid or \$25,000

At least \$500,000, but less than \$1 million5% of that bid or \$40,000

At least \$1 million, but less than \$2 million.4% of that bid or \$60,000

At least \$2 million, but less than \$4 million.3% of that bid or \$80,000

At least \$4 million, but less than \$7 million.2% of that bid or \$105,000

\$7 million or more 1.5% of the lowest responsive bid, with no dollar limit.

2. If no responsive bid by a Section 3 Business Concern meets the requirements of paragraph 1 of this section, the contract shall be awarded to a responsible bidder with the lowest responsive bid.
3. In both paragraphs 1 and 2 above, a bidder, to be considered as responsible, must demonstrate compliance with the "greatest extent feasible" requirement of Section 3.

Compliance:

HUD holds HCR accountable for compliance with Section 3 requirements. In contracts entered into with HCR, recipients agree to comply with Section 3. When a housing partner is unable to meet Section 3 goals, HCR will place the burden of proving compliance with Section 3 on the recipient.



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The minimum numerical goal for employment 30 percent of the aggregate number of new hires shall be Section 3 residents annually—i.e., 1 out of 3 new employees needed to complete a Section 3 covered project/activity shall be a Section 3 resident.

The minimum goals for contracting are:

- Ten percent of the total dollar amount of all Section 3 covered contracts for building trades work for maintenance, repair, modernization or development of public or Indian housing or building trades work arising in connection with housing rehabilitation, housing construction and other public construction, shall be awarded to Section 3 businesses; and
- Three percent of the total dollar amount of all non-construction Section 3 covered contracts, shall be awarded to Section 3 businesses.

Safe harbor and compliance determinations: In the absence of evidence to the contrary (i.e., evidence that efforts to the "greatest extent feasible" were not expended), if the Town of Ridgeway or contractor meets the minimum numerical goals shown above, the recipient or contractor is considered to have complied with Section 3 preference requirements.

The Town of Ridgeway will be expected to demonstrate why it was not feasible to meet the goals. At a minimum, if recipients of Section 3 Assistance are unable to meet their Section 3 training, hiring, and contracting goals, they should *sponsor or participate* in upward mobility programs, hire eligible residents in trainee positions with regard to training and employment, or form Section 3 joint ventures with various local employment agencies.

Data Collection and Reporting:

The Town of Ridgeway will collect and submit required Section 3 data and complete Section 3 reporting requirements.

Certification:

I certify that to the best of my knowledge and belief all of the information on this form is correct. I also understand that failure to report completely and accurately may result in sanctions under my policy, including but not limited to voidance of the policy, and in criminal or civil penalties.

Signed by _____ Title _____

Date _____ Attest _____

Reviewed by _____ Approved by _____



Homes and Community Renewal

Comments:

RESOLUTION NO.40-3/15/2021

RESOLUTION, LOCAL LAW NUMBER 1:
REGULATING BATTERY ENERGY STORAGE,
AUTHORIZE THE TOWN ATTORNEY TO FILE
WITH NEW YORK STATE DEPARTMENT OF
STATE.

Offered by Councilman Payne who moved its adoption.
Seconded by Councilman Woodruff.

Adopted:

4 Yes

0 No

Resolved to authorize the Town Attorney to file Local Law #1 Regulating Battery Energy Storage with the New York State Department of State.

**Town of Ridgeway
Battery Energy Storage System Law**

Local Law # - of 2021

Be it hereby enacted by the Town of Ridgeway as follows

Section 1: The Battery Energy Storage System Law of the Town of Ridgeway is hereby adopted to read it is entirety as follows:

1. Authority

This Battery Energy Storage System Law is adopted pursuant to Article IX of the New York State Constitution, §2(c)(6) and (10), New York Statute of Local Governments, § 10 (1) and (7); Sections 261-263 of the Town Law of the State of New York, which authorize the Town of Ridgeway to adopt zoning provisions that advance and protect the health, safety and welfare of the community.

2. Statement of Purpose

This Battery Energy Storage System Law is adopted to advance and protect the public health, safety, and welfare of the Town of Ridgeway by creating regulations for the installation and use of battery energy storage systems, with the following objectives:

- A. To provide a regulatory scheme for the designation of properties suitable for the location, construction and operation of battery energy storage systems, including any properties hosting renewable energy systems, and establish application and review fees (said fees being based on estimated cost for project review);
- B. To protect the health, welfare, safety, and quality of life for the general public;
- C. To ensure compatible land uses in the vicinity of the areas affected by battery energy storage systems;
- D. To mitigate the impacts of battery energy storage systems on environmental resources such as important agricultural lands, forests, wildlife and other protected resources; and
- E. To create synergy between battery energy storage system development and in accordance with the Western Orleans Comprehensive Plan.

3. Definitions

ANSI: American National Standards Institute

BATTERY: A single Cell or a group of Cells connected together electrically in series, in parallel, or a combination of both, which can charge, discharge, and store energy

electrochemically. For the purposes of this law, batteries utilized in consumer products are excluded from these requirements.

BATTERY ENERGY STORAGE MANAGEMENT SYSTEM: An electronic system that protects storage batteries from operating outside their safe operating parameters and generates an alarm and trouble signal for off normal conditions.

BATTERY ENERGY STORAGE SYSTEM: A rechargeable energy storage system consisting of electrochemical storage batteries, battery chargers, controls, power conditioning systems and associated electrical equipment designed to provide electrical power to a building. The system is typically used to provide standby or emergency power, an uninterruptable power supply, load shedding, load sharing, or similar capabilities. A battery energy storage system is classified as a Tier 1, Tier 2, or Tier 3 Battery Energy Storage System as follows:

A. Tier 1 Battery Energy Storage Systems include either:

- a) Battery energy storage systems for one to two family residential dwellings within or outside the structure with an aggregate energy capacity that shall not exceed:
 1. 40 kWh within utility closets and storage or utility spaces
 2. 80 kWh in attached or detached garages and detached accessory structures
 3. 80 kWh on exterior walls
 4. 80 kWh outdoors on the ground
- b) Other battery energy storage systems with an aggregate energy capacity less than or equal to the threshold capacity listed in Table 1

B. Tier 2 Battery Energy Storage Systems include battery energy storage systems that are not included in Tier 1, have an aggregate energy capacity greater than the threshold capacity listed in Table 1, and have an aggregate energy capacity less than 600 kWh

Table 1: Battery Energy Storage System Tier 2 Threshold Quantities

Battery Technology	Capacity
Flow batteries	20 kWh
Lead acid, all types	70 kWh
Lithium, all types	20 kWh
Nickel cadmium (Ni-Cd)	70 kWh
Nickel metal hydride (Ni-MH)	70 kWh

Other battery technologies	10 kWh
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C. Tier 3 Battery Energy Storage Systems include all the following:

- a) Battery energy storage systems with an aggregate energy capacity greater than or equal to 600kWh
- b) Battery energy storage systems with more than one storage battery technology is provided in a room or indoor area

COMMISSIONING: A systematic process that provides documented confirmation that a battery energy storage system functions according to the intended design criteria and complies with applicable code requirements.

DEDICATED-USE BUILDING: A building that is built for the primary intention of housing battery energy storage system equipment and is classified as Group F-1 occupancy as defined in the International Building Code. It is constructed in accordance with the Uniform Code, and it complies with the following:

- 1) The building's only permitted primary use is for battery energy storage, energy generation, and other electrical grid-related operations.
- 2) Occupants in the rooms and areas containing battery energy storage systems are limited to personnel that operate, maintain, service, test, and repair the battery energy storage system and other energy systems.
- 3) No other occupancy types are permitted in the building.
- 4) Administrative and support personnel are permitted in incidental-use areas within the buildings that do not contain battery energy storage system, provided the following:
 - a. The areas do not occupy more than 10 percent of the building area of the story in which they are located.
 - b. A means of egress is provided from the incidental-use areas to a public way that does not require occupants to traverse through areas containing battery energy storage systems or other energy systems.

DWELLING UNIT: One or more rooms arranged for complete, independent housekeeping purposes with space for eating, living, and sleeping; facilities for cooking; and provisions for sanitation.

ENERGY CODE: The New York State Energy Conservation Construction Code adopted pursuant to Article 11 of the Energy Law, as currently in effect and as hereafter amended from time to time or, the. NYStretch Energy Code said code is adopted by the Town.

FIRE CODE: The fire code section of the New York State Uniform Fire Prevention and Building Code adopted pursuant to Article 18 of the Executive Law, as currently in effect and as hereafter amended from time to time.

FLOW BATTERY: A type of rechargeable Battery that uses typically large, separated liquid reservoirs of electrolytes that flow through a reaction zone to store, charge, and discharge energy. These electrolytes are typically non-flammable.

LEAD-ACID BATTERY: A rechargeable Battery that is comprised of lead electrodes immersed in sulphuric acid electrolyte. These batteries may be flooded, vented, sealed, or may come in other form factors. They may produce hazardous gases during normal operations.

LITHIUM-ION BATTERY: A storage Battery with lithium ions serving as the charge carriers of the Battery. The electrolyte is typically a mixture of organic solvents with an inorganic salt and can be in a liquid or a gelled polymer form.

NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL): A U.S. Department of Labor designation recognizing a private sector organization to perform certification for certain products to ensure that they meet the requirements of both the construction and general industry OSHA electrical standards.

NEC: National Electric Code.

NFPA: National Fire Protection Association.

NICKEL-BASED BATTERY: A rechargeable Battery in which the positive active material is nickel oxide, the negative contains either cadmium (Nickel-cadmium, Ni-Cd), hydrogen ions stored in a metal-hydride structure (Nickel-metal hydride, Ni-MH), or zinc (Nickel-zinc, Ni-Zn) as the electrode and the electrolyte is potassium hydroxide.

NON-DEDICATED-USE BUILDING: All buildings that contain a battery energy storage system and do not comply with the dedicated-use building requirements, including all other occupancy types such as, but not limited to, commercial, industrial, offices, and multifamily housing.

NON-PARTICIPATING PROPERTY: Any property that is not a Participating property.

OCCUPIED COMMUNITY BUILDING: Any building in Occupancy Group A, B, E, I, R, as defined in the International Building Code, including but not limited to schools, colleges, daycare facilities, hospitals, correctional facilities, public libraries, theaters, stadiums, apartments, hotels, and houses of worship.

ONE-TO-TWO-FAMILY DWELLING: A building that contains not more than two dwelling units with independent cooking and bathroom facilities.

PARTICIPATING PROPERTY: A battery energy storage system host property or any real property that is the subject of an agreement that provides for the payment of monetary compensation to the landowner from the battery energy storage system owner (or affiliate) regardless of whether any part of a battery energy storage system is constructed on the property.

SPECIAL FLOOD HAZARD AREA: The land area covered by the floodwaters of the base flood is the Special Flood Hazard Area (SFHA) on NFIP maps. The SFHA is the area where the National Flood Insurance Program's (NFIP's) floodplain management regulations must be enforced and the area where the mandatory purchase of flood insurance applies.

UNIFORM CODE: the New York State Uniform Fire Prevention and Building Code adopted pursuant to Article 18 of the Executive Law, as currently in effect and as hereafter amended from time to time.

4. Applicability

A. The requirements of this Local Law shall apply to all battery energy storage systems permitted, installed, or modified in the Town of Ridgeway outside of the Village of Medina after the effective date of this Local Law, excluding general maintenance and repair.

B. Battery energy storage systems constructed or installed prior to the effective date of this Local Law shall not be required to meet the requirements of this Local Law.

C. Modifications to, retrofits or replacements of an existing battery energy storage system that increase the total battery energy storage system designed discharge duration or power rating shall be subject to this Local Law.

5. General Requirements

A. A Building permit, and an electrical permit shall be required for installation of all battery will energy storage systems.

B. Issuance of permits and approvals by the Ridgeway Planning Board shall include review pursuant to the State Environmental Quality Review Act [ECL Article 8 and its implementing regulations at 6 NYCRR Part 617 ("SEQRA")].

C.

1) Application and permit fees for battery energy storage systems shall be as follows:

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Type	Application Fee	Review fee
Tier 1	\$50 (includes review)	-
Tier 2	250 (includes review)	-
Tier 3	\$500	\$10,000

2) Application fees are nonrefundable. If the Town's actual expenses for review are less than the review fees, the balance shall be refunded to the applicant.

3) The Town Board may, by Resolution, change the above fee schedule as it deems appropriate.

4) The fees established by this section shall be in addition to any other fees required by the Town for review including building permit review

C. All battery energy storage systems, all Dedicated Use Buildings, and all other buildings or structures that (1) contain or are otherwise associated with a battery energy storage system and (2) subject to the Uniform Code and/or the Energy Code shall be designed, erected, and installed in accordance with all applicable provisions of the Uniform Code, all applicable provisions of the Energy Code, and all applicable provisions of the codes, regulations, and industry standards as referenced in the Uniform Code, the Energy Code, and the Town of Ridgeway Code.

6. Permitting Requirements for Tier 1 Battery Energy Storage Systems

A. Tier 1 Battery Energy Storage Systems shall be permitted in all zoning districts and shall be subject to the "Battery Energy Storage System Permit" and exempt from site plan review.

7. Permitting Requirements for Tier 2 Battery Energy Storage Systems

A. Tier 2 Battery Energy Storage Systems shall be permitted in all zoning districts, shall be subject to the Uniform Code (referenced in Appendix 2) and the "Battery Energy Storage System Permit," and are exempt from site plan review.

8. Permitting Requirements for Tier 3 Battery Energy Storage Systems

Tier 3 Battery Energy Storage Systems are permitted through the issuance of a special use permit within the Agricultural and Industrial zoning districts, and subject to the Uniform Code and site plan application requirements set forth in this Section.

A. Applications for the installation of Tier 3 Battery Energy Storage System shall be:

- 1) reviewed by the Code Enforcement Officer, Town Engineer, Ridgeway Planning Board and Ridgeway Zoning Board of Appeals (if any variance is requested), as needed, for completeness. An application shall be complete when it addresses all matters listed in this Local Law including, but not necessarily limited to, (i) compliance with all applicable provisions of the Uniform Code and all applicable provisions of the Energy Code and (ii) matters relating to the proposed battery energy storage system and Floodplain, Utility Lines and Electrical Circuitry, Signage, Lighting, Vegetation and Tree-cutting, Noise, Decommissioning, Site Plan and Development, Special Use and Development, Ownership Changes, Safety, Permit Time Frame and Abandonment. Applicants shall be advised within

10 business days of the completeness of their application or any deficiencies that must be addressed prior to substantive review.

- 2) subject to a public hearing to hear all comments for and against the application. The Planning Board of the Town of Ridgeway shall have a notice printed in a newspaper of general circulation in the Town of Ridgeway at least 5 business days in advance of such hearing. Applicants shall have delivered the notice by first class mail to adjoining landowners or landowners within 200 feet of the property at least 10 days prior to such a hearing. Proof of mailing shall be provided to the Ridgeway Planning Board at the public hearing.
- 3) Referred to the Orleans County Planning Board pursuant to General Municipal Law § 239-m if required.
- 4) upon closing of the public hearing, the Ridgeway Planning Board shall take action on the application within 62 days of the public hearing, which can include approval, approval with conditions, or denial. The 62-day period may be extended upon consent by both the Ridgeway Planning Board and Applicant.

B. Floodplain. The Applicant of battery energy storage systems shall obtain necessary local floodplain development permits if proposed within Special Flood Hazard Areas.

C. Utility Lines and Electrical Circuitry. All on-site utility lines shall be placed underground to the extent feasible and as permitted by the serving utility, with the exception of the main service connection at the utility company right-of-way and any new interconnection equipment, including without limitation any poles, with new easements and right-of-way.

D. Signage.

- 1) The signage shall be in compliance with ANSI Z535 and shall include the type of technology associated with the battery energy storage systems, any special hazards associated, the type of suppression system installed in the area of battery energy storage systems, and 24-hour emergency contact will information, including reach-back phone number.
- 2) As required by the NEC, disconnect and other emergency shutoff information shall be clearly displayed on a light reflective surface. A clearly visible warning sign concerning voltage shall be placed at the base of all pad-mounted transformers and substations.

E. Lighting. Lighting of the battery energy storage systems shall be limited to that minimally required for safety and operational purposes and shall be reasonably shielded and downcast from abutting properties.

F. Vegetation and tree-cutting. Areas within 10 feet on each side of Tier 3 Battery Energy Storage Systems shall be cleared of combustible vegetation and other combustible growth. Single specimens of trees, shrubbery, or cultivated ground cover such as green grass, ivy, succulents, or similar plants used as ground covers shall be permitted to be exempt

provided that they do not form a means of readily transmitting fire. Removal of trees should be minimized to the extent possible.

G. Noise. The 1 hour average noise generated from the battery energy storage systems, components, and associated ancillary equipment shall not exceed a noise level of 60 dBA as measured at the outside wall of any Non-participating Residence and Occupied Community Building. Applicants may submit equipment and component manufacturers noise ratings to demonstrate compliance. The applicant may be required to provide Operating Sound Pressure Level measurements from a reasonable number of sampled locations at the perimeter of the battery energy storage system to demonstrate compliance with this standard.

H. Decommissioning.

- 1) **Decommissioning Plan.** The applicant shall submit a decommissioning plan developed in accordance with the Uniform Code, containing a narrative description of the activities to be accomplished for removing the energy storage system from service, and from the facility in which it is located. The decommissioning plan shall also include: (i) the anticipated life of the battery energy storage system; (ii) the estimated decommissioning costs; (iii) how said estimate was determined; (iv) the method of ensuring that funds will be available for decommissioning and restoration; (v) the method that the decommissioning cost will be kept current; (vi) the manner in which the battery energy storage system will be decommissioned, and the Site restored; and (vii) a listing of any contingencies for removing an intact operational energy storage system from service, and for removing an energy storage system from service that has been damaged by a fire or other event.
- 2) **Decommissioning Fund.** The applicant, or successors, shall continuously maintain a fund or bond payable to the Town of Ridgeway in a form approved by the Town of Ridgeway for the removal of the battery energy storage system, in an amount to be determined by the Town of Ridgeway for the period of the life of the facility. This fund may consist of a letter of credit from a State of New York licensed-financial institution. All costs of the financial security shall be borne by the applicant.

I. Site plan application. For a Tier 3 Battery Energy Storage System requiring a Special Use Permit, site plan approval shall be required. Any site plan application shall include the following information:

- 1) Property lines and physical features, including roads, for the project site.
- 2) Proposed changes to the landscape of the site, grading, vegetation clearing and planting, exterior lighting, and screening vegetation or structures.

- 3) A one or three-line electrical diagram detailing the battery energy storage system layout, associated components, and electrical interconnection methods, with all National Electrical Code compliant disconnects and over current devices.
- 4) A preliminary equipment specification sheet that documents the proposed battery energy storage system components, inverters and associated electrical equipment that are to be installed. A final equipment specification sheet shall be submitted prior to the issuance of building permit.
- 5) Name, address, and contact information of proposed or potential system installer and the owner and/or operator of the battery energy storage system. Such information of the final system installer shall be submitted prior to the issuance of building permit.
- 6) Name, address, phone number, and signature of the project Applicant, as well as all the property owners, demonstrating their consent to the application and the use of the property for the battery energy storage system.
- 7) Zoning district designation for the parcel(s) of land comprising the project site.
- 8) Commissioning Plan. Such plan shall document and verify that the system and its associated controls and safety systems are in proper working condition per requirements set forth in the Uniform Code (referenced in Appendix 1). Battery energy storage system commissioning shall be conducted by a New York State (NYS) Licensed Professional Engineer or NYS Registered Architect after the installation is complete but prior to final inspection and approval. A corrective action plan shall be developed for any open or continuing issues that are allowed to be continued after commissioning. A report describing the results of the system commissioning and including the results of the initial acceptance testing required in the Uniform Code (referenced in Appendix 1) shall be provided to Ridgeway Planning Board prior to final inspection and approval and maintained at an approved on-site location.

Energy storage system commissioning shall not be required for lead-acid and nickel-cadmium battery systems at facilities under the exclusive control of communications utilities that comply with NFPA 76 and operate at less than 50 VAC and 60 VDC.

- 9) Fire Safety Compliance Plan. Such plan shall document and verify that the system and its associated controls and safety systems are in compliance with the Uniform Code (referenced in Appendix 2).
- 10) System and Property Operation and Maintenance Manual. Such plan shall describe continuing battery energy storage system maintenance and property upkeep, as well as design, construction, installation, testing and commissioning information and shall meet all requirements set forth in the Uniform Code (referenced in Appendix 3).

- 11) Erosion and sediment control and storm water management plans prepared to New York State Department of Environmental Conservation standards, if applicable, and to such standards as may be established by the Planning Board.
- 12) Prior to the issuance of the building permit or final approval by the Ridgeway Planning Board, but not required as part of the application, engineering documents must be signed and sealed by a NYS Licensed Professional Engineer or NYS Registered Architect.
- 13) An Emergency Operation Plan per requirements set forth in Appendix 4.

J. Special Use Permit Standards.

- 1) **Setbacks.** Tier 3 Battery Energy Storage Systems shall comply with the setback requirements of the underlying zoning district for principal structures.
- 2) **Height.** Tier 3 Battery Energy Storage Systems shall comply with the building height limitations for principal structures of the underlying zoning district.
- 3) **Fencing Requirements.** Tier 3 Battery Energy Storage Systems, including all mechanical equipment, shall be enclosed by a 8 foot high fence with a self-locking gate to prevent unauthorized access unless housed in a dedicated-use building and not interfering with ventilation or exhaust ports.
- 4) **Screening and Visibility.** Tier 3 Battery Energy Storage Systems shall have views minimized from adjacent properties to the extent reasonably practicable using architectural features, earth berms, landscaping, or other screening methods that will harmonize with the character of the property and surrounding area and not interfering with ventilation or exhaust ports.

K. Ownership Changes. If the owner of the battery energy storage system changes or the owner of the property changes, the special use permit shall remain in effect, provided that the successor owner or operator assumes in writing all of the obligations of the special use permit, site plan approval, and decommissioning plan. A new owner or operator of the battery energy storage system shall notify the zoning enforcement officer (ZEO) of such change in ownership or operator within 30 days of the ownership change. A new owner or operator must provide such notification to the ZEO in writing. The special use permit and all other local approvals for the battery energy storage system would be void if a new owner or operator fails to provide written notification to the ZEO in the required timeframe. Reinstatement of a void special use permit will be subject to the same review and approval processes for new applications under this Local Law.

9. Safety

A. System Certification. Battery energy storage systems and Equipment shall be listed by a Nationally Recognized Testing Laboratory to UL 9540 or CAN 9540 (Standard for battery energy storage systems and Equipment) with subcomponents meeting each of the following standards that are applicable based on the storage type (electrochemical, thermal,

mechanical):

- 1) UL 1973 (Standard for Batteries for Use in Stationary, Vehicle Auxiliary Power and Light Electric Rail Applications),
- 2) UL 1642 (Standard for Lithium Batteries),
- 3) UL 1741 or UL 62109 (inverters and power converters),
- 4) Certified under the applicable electrical, building, and fire prevention codes as required.
- 5) Alternatively, field evaluation by an approved testing laboratory for compliance with UL 9540 and applicable codes, regulations and safety standards may be used to meet system certification requirements.

Lead-acid and nickel-cadmium battery systems installed in facilities under the exclusive control of communications utilities and operating at less than 50 VAC and 60 VDC in accordance with NFPA 76 are not required to be listed.

B. Site Access. Battery energy storage systems shall be maintained in good working order and in accordance with industry standards. Site access shall be maintained, including snow removal at a level acceptable to the local fire department and, if the Tier 3 Battery Energy Storage System is located in an ambulance district, the local ambulance corps.

C. Battery energy storage systems, components, and associated ancillary equipment shall have required working space clearances, and electrical circuitry shall be within weatherproof enclosures marked with the environmental rating suitable for the type of exposure in compliance with NFPA 70.

10. Permit Time Frame and Abandonment

- A. The Special Use Permit and site plan approval for a battery energy storage system shall be expire after a period of 24 months unless a building permit is issued for construction and/or construction is commenced. In the event construction is not completed in accordance with the final site plan, as may have been amended and approved, as required by the Planning Board within 24 months after approval, the Applicant or the Town of Ridgeway may extend the time to complete construction for 180 days. If the owner and/or operator fails to perform substantial construction after 36 months, the approvals shall expire.
- B. If the owner and/or operator fails to comply with decommissioning upon any abandonment, the Town of Ridgeway may, at its discretion, utilize the available bond and/or security for the removal of a Tier 3 Battery Energy Storage System and restoration of the site in accordance with the decommissioning plan.

11. Enforcement

Any violation of this Battery Energy Storage System Law shall be subject to the same enforcement requirements, including the civil and criminal penalties, provided for in the zoning or land use regulations of Town of Ridgeway.

12. Severability

The invalidity or unenforceability of any section, subsection, paragraph, sentence, clause, provision, or phrase of the aforementioned sections, as declared by the valid judgment of any court of competent jurisdiction to be unconstitutional, shall not affect the validity or enforceability of any other section, subsection, paragraph, sentence, clause, provision, or phrase, which shall remain in full force and effect.

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APPENDIX 1: Commissioning Plan

The battery energy storage system commissioning plan shall comply with the Uniform Code and include, at a minimum, the following information:

1. A narrative description of the activities that will be accomplished during each phase of commissioning including the personnel intended to accomplish each of the activities.
2. A listing of the specific BESS and associated components, controls and safety related devices to be tested, a description of the tests to be performed and the functions to be tested.
3. Conditions under which all testing will be performed, which are representative of the conditions during normal operation of the system.
4. Documentation of the owner's project requirements and the basis of design necessary to understand the installation and operation of the BESS.
5. Verification that required equipment and systems are installed in accordance with the approved plans and specifications.
6. Integrated testing for all fire and safety systems.
7. Testing for any required thermal management, ventilation or exhaust systems associated with the BESS installation.
8. Preparation and delivery of operation and maintenance documentation.
9. Training of facility operating and maintenance staff.
10. Identification and documentation of the requirements for maintaining system performance to meet the original design intent during the operation phase.
11. Identification and documentation of personnel who are qualified to service, maintain and decommission the BESS, and respond to incidents involving the BESS, including documentation that such service has been contracted for.

APPENDIX 2: Supplemental Guidance for Developing the Fire Safety Compliance Plan

Disclaimer: Appendix 2 is primarily based on the 2019 Energy Storage System Supplement containing amendments to the New York State Uniform Fire Prevention and Building Code, published by the New York State Department of State. The 2019 Energy Storage System Supplement can be found on the July 17, 2019 edition of the State Register, available at <https://www.dos.ny.gov/info/register/2019.html>. NYSERDA will continue to update this Guidebook as these codes and standards evolve.

Appendix 2 is not exhaustive and is intended for general reference only. Prior to the design or installation of any system, please refer to the Uniform Code and always consult with the Authority Having Jurisdiction. NYSERDA makes no representation or warranty as to whether following this guide will satisfy any rule or requirement. Should any conflicts exist between Appendix 2 and the Uniform Code, the Uniform Code requirements shall prevail.

1. **Hazard mitigation analysis.** A failure modes and effects analysis (FMEA) or other approved hazard mitigation analysis shall be provided under any of the following conditions:
 - Where BESS technologies not specifically identified in Table 1: Battery Energy Storage System Tier 2 Threshold Quantities are provided.
 - More than one BESS technology is provided in a room or enclosed area where there is a potential for adverse interaction between technologies.
 - Where allowed as a basis for increasing maximum allowable quantities outlined in Table 2: Maximum Allowable Quantities.
- 1.1. **Fault condition.** The hazard mitigation analysis shall evaluate the consequences of the following failure modes. Only single failure modes shall be considered.
 - A thermal runaway condition in a single BESS rack, module or unit.
 - Failure of any battery (energy) management system.
 - Failure of any required ventilation or exhaust system.
 - Voltage surges on the primary electric supply.
 - Short circuits on the load side of the BESS.
 - Failure of the smoke detection, fire detection, fire suppression, or gas detection system.
 - Required spill neutralization not being provided or failure of a required secondary containment system.
- 1.2. **Analysis approval.** The fire code official is authorized to approve the hazardous mitigation analysis provided the consequences of the hazard mitigation analysis demonstrate:
 - Fires will be contained within unoccupied BESS rooms or areas for the minimum duration of the fire-resistance rated separations identified in Section 7.4.
 - Fires in occupied work centers will be detected in time to allow occupants within the room or area to safely evacuate.
 - Toxic and highly toxic gases released during fires will not reach concentrations in excess of Immediately Dangerous to Life or Health (IDLH) level in the building or adjacent means of egress routes during the time deemed necessary to evacuate occupants from any affected area.
 - Flammable gases released from BESS during charging, discharging and normal operation will not exceed 25 percent of their lower flammability limit (LFL).

- Flammable gases released from BESS during fire, overcharging and other abnormal conditions will be controlled through the use of ventilation of the gases preventing accumulation or by deflagration venting.

1.3. Additional protection measures. Construction, equipment and systems that are required for the BESS to comply with the hazardous mitigation analysis, including but not limited to those specifically described in this Appendix shall be installed, maintained and tested in accordance with nationally recognized standards and specified design parameters.

2. Fire Safety. BESS installations shall comply with the requirements of this section.

2.1. Large Scale Fire Test. Where required elsewhere in Appendix 2, large scale fire testing shall be conducted on a representative energy storage system in accordance with UL 9540A or approved equivalent. The testing shall be conducted or witnessed and reported by an approved testing laboratory and show that a fire involving one energy storage system will not propagate to an adjacent energy storage system. In addition, the testing shall demonstrate that, where the energy storage system is installed within a room, enclosed area or walk-in energy storage system unit, a fire will be contained within the room, enclosed area or walk-in energy storage system unit for a duration equal to the fire-resistance rating of the room assemblies as specified in Section 8.4. The test report shall be provided to the fire code official for review and approval.

2.2. Fire remediation. Where a fire or other event has damaged the BESS and ignition or re-ignition of the BESS is possible, the system owner, agent, or lessee shall take the following actions, at their expense, to mitigate the hazard or remove damaged equipment from the premises to a safe location.

2.2.1. Fire mitigation personnel. Where, in the opinion of the fire code official, it is essential for public safety that trained personnel be on site to respond to possible ignition or re-ignition of a damaged BESS, the system owner, agent or lessee shall immediately dispatch one or more fire mitigation personnel to the premise, as required and approved, at their expense. These personnel shall remain on duty continuously after the fire department leaves the premise until the damaged energy storage equipment is removed from the premises, or earlier if the fire code official indicates the public safety hazard has been abated. On-duty fire mitigation personnel shall have the following responsibilities:

- Keep diligent watch for fires, obstructions to means of egress and other hazards.
- Immediately contact the fire department if their assistance is needed to mitigate any hazards or extinguish fires.
- Take prompt measures for remediation of hazards in accordance with the decommissioning plan
- Take prompt measures to assist in the evacuation of the public from the structures.

2.2.2. Peer Review. Where required by the Authority Having Jurisdiction, the owner or the owner's authorized agent shall be responsible for retaining and furnishing the services of a registered design professional or special expert, who will perform as a

peer reviewer, subject to the approval of the fire code official. The costs of special services shall be borne by the owner or the owner's authorized agent.

2.2.2.1. Special expert. Where the scope of work is limited or focused in an area that does not require the services of a registered design professional or the special knowledge and skills associated with the practice of architecture or engineering, an approved special expert may be employed by the owner or the owner's authorized agent as the person in responsible charge of the limited or focused activity. The scope of work of a special expert shall be limited to the area of expertise as demonstrated in the documentation submitted to the fire code official for review and approval. Special experts are those individuals who possess the following qualifications:

1. Has credentials of education and experience in an area of practice that is needed to evaluate risks and safe operations associated with the design, operation and special hazards of energy storage systems.
 2. Licensing or registration, when required by any other applicable statute, regulation, or local law or ordinance.
3. **Battery energy storage management system.** Where required by the BESS listing an approved energy storage management system shall be provided that monitors and balances cell voltages, currents and temperatures within the manufacturer's specifications. The system shall disconnect electrical connections to the BESS or otherwise place it in a safe condition if potentially hazardous temperatures or other conditions such as short circuits, over voltage or under voltage are detected.
4. **Enclosures.** Enclosures of BESS shall be of noncombustible construction.
5. **General installations requirements.** BESS shall comply with the requirements of Sections 5.1 through 5.12.
- 5.1. **Electrical disconnects.** Where the BESS disconnecting means is not within sight of the main electrical service disconnecting means, placards or directories shall be installed at the location of the main electrical service disconnecting means indicating the location of stationary storage battery system disconnecting means in accordance with NFPA 70.
Exception: Electrical disconnects for lead acid and nickel cadmium battery systems at facilities under the exclusive control of communications utilities and operating at less than 50 VAC and 60 VDC shall be permitted to have electrical disconnects signage in accordance with NFPA 76.
- 5.2. **Working clearances.** Access and working space shall be provided and maintained about all electrical equipment to permit ready and safe operation and maintenance of such equipment in accordance with NFPA 70 and the manufacturer's instructions.
- 5.3. **Fire-resistance rated separations.** Rooms and other indoor areas containing BESS shall be separated from other areas of the building in accordance with Section 8.4. BESS shall be permitted to be in the same room with the equipment they support.
- 5.4. **Seismic and structural design.** Stationary BESS shall comply with the seismic design requirements in Chapter 16 of the International Building Code, and shall not

exceed the floor loading limitation of the building.

- 5.5. **Vehicle impact protection.** Where BESS are subject to impact by a motor vehicle, including fork lifts, vehicle impact protection shall be provided in accordance with Fire Code Section 312.
- 5.6. **Combustible storage.** Combustible materials shall not be stored in BESS rooms, areas, or walk-in units. Combustible materials in occupied work centers covered by Section 5.10 shall be stored at least 3 feet (914 mm) from BESS cabinets.
- 5.7. **Toxic and highly toxic gases.** BESS that have the potential to release toxic and highly toxic gas during charging, dis-charging and normal use conditions shall be provided with a hazardous exhaust system in accordance with Section 502.8 of the International Mechanical Code.
- 5.8. **Signage.** Approved signs shall be provided on or adjacent to all entry doors for BESS rooms or areas and on enclosures of BESS cabinets and walk-in units located outdoors, on rooftops or in open parking garages. Signs designed to meet both the requirements of this section and NFPA 70 shall be permitted. The signage shall include the following or equivalent.
 - "Energy Storage System", "Battery Storage System", "Capacitor Energy Storage System", or the equivalent.
 - The identification of the electrochemical BESS technology present.
 - "Energized electrical circuits"
 - If water reactive electrochemical BESS are present the signage shall include "APPLY NO WATER"
 - Current contact information, including phone number, for personnel authorized to service the equipment and for fire mitigation personnel required by Section 2.2.

Exception: Existing electrochemical BESS shall be permitted to include the signage required at the time they were installed.
- 5.9. **Security of installations.** Rooms, areas and walk-in units in which electrochemical BESS are located shall be secured against unauthorized entry and safe-guarded in an approved manner. Security barriers, fences, landscaping, and other enclosures shall not inhibit the required air flow to or exhaust from the electrochemical BESS and its components.
- 5.10. **Occupied work centers.** Electrochemical BESS located in rooms or areas occupied by personnel not directly involved with maintenance, service and testing of the systems shall comply with the following.
 - Electrochemical BESS located in occupied work centers shall be housed in locked noncombustible cabinets or other enclosures to prevent access by unauthorized personnel.
 - Where electrochemical BESS are contained in cabinets in occupied work centers, the cabinets shall be located within 10 feet (3048 mm) of the equipment that they support.
 - Cabinets shall include signage complying with Section 5.8.
- 5.11. **Open rack installations.** Where electrochemical BESS are installed in a separate equipment room and only authorized personnel have access to the room, they shall be

permitted to be installed on an open rack for ease of maintenance.

5.12. **Walk-In units.** Walk-in units shall only be entered for inspection, maintenance and repair of BESS units and ancillary equipment, and shall not be occupied for other purposes.

6. **Electrochemical BESS Protection.** The protection of electrochemical BESS shall be in accordance with 6.1 through 6.8 where required by Sections 8 through 10.

6.1. **Size and separation.** Electrochemical BESS shall be segregated into groups not exceeding 50 kWh (180 Mega joules). Each group shall be separated a minimum three feet (914 mm) from other groups and from walls in the storage room or area. The storage arrangements shall comply with Fire Code Chapter 10.

Exceptions:

- Lead acid and nickel cadmium battery systems in facilities under the exclusive control of communications utilities and operating at less than 50 VAC and 60 VDC in accordance with NFPA 76.
- The fire code official is authorized to approve larger capacities or smaller separation distances based on large scale fire testing.

6.2. **Mixed electrochemical energy systems.** Where rooms, areas and walk-in units contain different types of electrochemical energy technologies, the total aggregate quantities of the systems shall be determined based on the sum of percentages of each technology type quantity divided by the maximum allowable quantity of each technology type. The sum of the percentages shall not exceed 100 percent of the maximum allowable quantity.

6.3. **Elevation.** Electrochemical BESS shall not be located in the following areas:

- Where the floor is located more than 75 feet (22 860 mm) above the lowest level of fire department vehicle access, or
- Where the floor is located below the lowest level of exit discharge.

Exceptions:

- Lead acid and Nickel cadmium battery systems less than 50 VAC and 60 VDC installed in facilities under the exclusive control of communications utilities in accordance with NFPA 76.
- Where approved, installations shall be permitted in underground vaults complying with NFPA 70, Article 450, Part III.
- Where approved by the fire code official, installations shall be permitted on higher and lower floors.

TABLE 2: MAXIMUM ALLOWABLE QUANTITIES

Technology	Maximum Allowable Quantities ^a
Lead-acid, all types	Unlimited
Nickel-cadmium (Ni-Cd)	Unlimited
Nickel metal hydride (Ni-MH)	Unlimited
Lithium-ion	600 kWh
Flow batteries ^b	600 kWh

Other battery technologies	200 kWh
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- a. For electrochemical energy storage system units rated in Amp-Hours, kWh shall equal rated voltage times the Amp-hour rating divided by 1000
- b. Shall include vanadium, zinc-bromine, polysulfide-bromide, and other flowing electrolyte type technologies

6.4. Fire detection. An approved automatic smoke detection system or radiant energy-sensing fire detection system complying with Fire Code Section 907 shall be installed in rooms, indoor areas, and walk-in units containing electrochemical BESS. An approved radiant energy-sensing fire detection system shall be installed to protect open parking garage and rooftop installations. Alarm signals from detection systems shall be transmitted to a central station, proprietary or remote station service in accordance with NFPA 72, or where approved to a constantly attended location.

6.4.1. System status. Where required by the fire code official, visible annunciation shall be provided on cabinet exteriors or in other approved locations to indicate that potentially hazardous conditions associated with the BESS exist.

6.5. Fire suppression systems. Rooms and areas within buildings and walk-in units containing electrochemical BESS shall be protected by an automatic fire suppression system designed and installed in accordance with one of the following:

- An automatic sprinkler system designed and installed in accordance with Fire Code Section 903.3.1.1 with a minimum density of 0.3 gpm/ft.2 based on the fire area or 2,500 ft.2 design area, whichever is smaller.
- Where approved, an automatic sprinkler system designed and installed in accordance with Fire Code Section 903.3.1.1 with a sprinkler hazard classification based on large scale fire testing.
- The following alternate automatic fire extinguishing systems designed and installed in accordance with Fire Code Section 904, provided the installation is approved by the fire code official based on large scale fire testing
 - NFPA 12, Standard on Carbon Dioxide Extinguishing Systems
 - NFPA 15, Standard for Water Spray Fixed Systems for Fire Protection
 - NFPA 750, Standard on Water Mist Fire Protection Systems
 - NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems
 - NFPA 2010, Standard for Fixed Aerosol Fire-Extinguishing Systems

Exception: Fire suppression systems for lead acid and nickel cadmium battery systems at facilities under the exclusive control of communications utilities that operate at less than 50 VAC and 60 VDC shall be provided where required by NFPA 76.

6.5.1. Water reactive systems. Electrochemical BESS that utilize water reactive materials shall be protected by an approved alternative automatic fire-extinguishing system in accordance with Fire Code Section 904, where the installation is approved by the fire code official based on large scale fire testing.

6.6. Maximum enclosure size. Outdoor walk-in units housing BESS shall not exceed 53 feet by 8 feet by 9.5 feet high, not including bolt-on HVAC and related equipment, as approved. Outdoor walk-in units exceeding these limitations shall be considered indoor installations and comply with the requirements in Section 8.

6.7. **Vegetation control.** Areas within 10 feet (3 m) on each side of outdoor BESS shall be cleared of combustible vegetation and other combustible growth. Single specimens of trees, shrubbery, or cultivated ground cover such as green grass, ivy, succulents, or similar plants used as ground covers shall be permitted to be exempt provided that they do not form a means of readily transmitting fire.

6.8. **Means of egress separation.** BESS located outdoors and in open parking garages shall be separated from any means of egress as required by the fire code official to ensure safe egress under fire conditions, but in no case less than 10 feet (3048 mm). **Exception:** The fire code official is authorized to approve a reduced separation distance if large scale fire testing is provided that shows that a fire involving the BESS will not adversely impact occupant egress.

7. **Electrochemical BESS technology specific protection.** Electrochemical BESS installations shall comply with the requirements of this section in accordance with the applicable requirements of Table 3.

TABLE 3 ELECTROCHEMICAL BESS TECHNOLOGY SPECIFIC

Compliance Required ^b	Battery Technology				Other BESS and Battery Technologies ^b
	Lead-acid	Ni-Cad & Ni-MH	Lithium-ion	Flow	
7.1 Exhaust ventilation	Yes	Yes	No	Yes	Yes
7.2 Spill control and neutralization	Yes ^c	Yes ^c	No	Yes	Yes
7.3 Explosion control	Yes ^a	Yes ^a	Yes	Yes	Yes
7.4 Safety Caps	Yes	Yes	No	Yes	Yes
7.5 Thermal runaway	Yes ^d	Yes	Yes ^e	Yes	Yes ^c

a. Not required for lead-acid and nickel cadmium batteries at facilities under the exclusive control of communications utilities that comply with NFPA 76 and operate at less than 50 VAC and 60 VDC.

b. Protection shall be provided unless documentation acceptable to the fire code official is provided that provides justification why the protection is not necessary based on the technology used.

c. Applicable to vented (i.e. flooded) type nickel cadmium and lead acid batteries.

d. Not required for vented (i.e. flooded) type lead acid batteries.

e. The thermal runaway protection is permitted to be part of a battery management system that has been evaluated with the battery as part of the evaluation to UL 1973.

7.1. **Exhaust ventilation.** Where required by Table 3 or elsewhere in this code, exhaust ventilation of rooms, areas, and walk-in units containing electrochemical BESS shall be provided in accordance with the International Mechanical Code and Section 7.1.1 or 7.1.2.

7.1.1. **Ventilation based upon LFL.** The exhaust ventilation system shall be designed to limit the maximum concentration of flammable gas to 25 percent of the lower flammable limit (LFL) of the total volume of the room, area, or walk-in unit during the worst-case event of simultaneous charging of batteries at the maximum charge rate, in accordance with nationally recognized standards.

7.1.2. **Ventilation based upon exhaust rate.** Mechanical exhaust ventilation shall be provided at a rate of not less than 1 ft³/min/ft² (5.1 L/sec/m²) of floor area of the room, area, or walk-in unit. The ventilation shall be either continuous or shall be activated by a gas detection system in accordance with Section 7.1.2.4.

7.1.2.1. Standby power. Mechanical exhaust ventilation shall be provided with a minimum of two hours of standby power in accordance with Fire Code Section 604.2.17.

7.1.2.2. Installation instructions. Required mechanical exhaust ventilation systems shall be installed in accordance with the manufacturer's installation instructions and the International Mechanical Code.

7.1.2.3. Supervision. Required mechanical exhaust ventilation systems shall be supervised by an approved supervising station in accordance with NFPA 72.

7.1.2.4. Gas detection system. Where required by Section 7.1.2, rooms, areas, and walk-in units containing BESS shall be protected by an approved continuous gas detection system that complies with Fire Code Section 916 and with the following:

- The gas detection system shall be designed to activate the mechanical ventilation system when the level of flammable gas in the room, area, or walk-in unit exceeds 25 percent of the LFL.
- The mechanical ventilation system shall remain on until the flammable gas detected is less than 25 percent of the LFL.
- The gas detection system shall be provided with a minimum of 2 hours of standby power in accordance with Fire Code Section 916.
- Failure of the gas detection system shall annunciate a trouble signal at an approved supervising station in accordance with NFPA 72.

7.2. Spill control and neutralization. Where required by Table 3 or elsewhere in this code, areas containing free-flowing liquid electrolyte or hazardous materials shall be provided with spill control and neutralization in accordance with this section.

7.2.1. Spill control. Spill control shall be provided to prevent the flow of liquid electrolyte or hazardous materials to adjoining rooms or areas. The method shall be capable of containing a spill from the single largest battery or vessel.

7.2.2. Neutralization. An approved method to neutralize spilled liquid electrolyte shall be provided that is capable of neutralizing a spill from the largest battery or vessel to a pH between 5.0 and 9.0.

Exception: The requirements of Section 7.2 only apply where the aggregate capacity of multiple vessels exceeds 1,000 gallons (3785 L) for lead-acid and nickel-cadmium battery systems operating at less than 50 VAC and 60 VDC that are located at facilities under the exclusive control of communications utilities and those facilities comply with NFPA 76 in addition to applicable requirements of this code.

7.3. Explosion control. Where required by Table 3 or elsewhere in this code, explosion control complying with Fire Code Section 911 shall be provided for rooms, areas or walk-in units containing electrochemical BESS technologies.

Exceptions:

- Where approved, explosion control is permitted to be waived by the fire code official based on large scale fire testing which demonstrates that flammable gases are not liberated from electrochemical BESS cells or modules.
- Where approved, explosion control is permitted to be waived by the fire code official based on documentation provided that demonstrates that the electrochemical BESS technology to be used does not have the potential to release flammable gas concentrations in excess of 25 percent of the LFL anywhere in the room, area, walk-in unit or structure under thermal runaway or other fault conditions.

7.4. Safety caps. Where required by Table 3 or elsewhere in this code, vented batteries and other BESS shall be provided with flame-arresting safety caps.

7.5. Thermal runaway. Where required by Table 3 or elsewhere in this code, batteries and other BESS shall be provided with a listed device or other approved method to prevent, detect and minimize the impact of thermal runaway.

8. Indoor installations. Indoor BESS installations shall be in accordance with Sections 8.1 through 8.4.

8.1. Dedicated use buildings. For the purpose of Table 4 dedicated use BESS buildings shall be classified as Group F-1 occupancies and comply with all the following:

- The building shall only be used for BESS, electrical energy generation, and other electrical grid related operations.
- Occupants in the rooms and areas containing BESS are limited to personnel that operate, maintain, service, test and repair the BESS and other energy systems.
- No other occupancy types shall be permitted in the building.
- Administrative and support personnel shall be permitted in areas within the buildings that do not contain BESS, provided:
 - The areas do not occupy more than 10 percent of the building area of the story in which they are located.
 - A means of egress is provided from the incidental use areas to the public way that does not require occupants to traverse through areas containing BESS or other energy system equipment.

8.2. Non-dedicated use buildings. For the purpose of Table 4 non-dedicated use buildings include all buildings that contain BESS and do not comply with 8.1 dedicated use building requirements.

TABLE 4 INDOOR BESS INSTALLATIONS

Compliance Required	Dedicated Use Buildings ^a	Non-Dedicated Use Buildings ^b
5. General Installation Requirements	Yes	Yes
6.1. Size and separation	Yes	Yes
6.3. Elevation	Yes	Yes
6.4. Smoke and automatic fire detection	Yes ^c	Yes
6.5. Fire suppression systems	Yes ^d	Yes
8.3. Dwelling units and sleeping units	NA	Yes
8.4. Fire-resistance rated separations	Yes	Yes

7. Technology specific protection	Yes	Yes
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a. See Section 8.1.

b. See Section 8.2.

c. Where approved by the fire code official, alarm signals are not required to be transmitted to a central station, proprietary or remote station service in accordance with NFPA 72, or a constantly attended location where local fire alarm annunciation is provided and trained personnel are always present.

d. Where approved by the fire code official, fire suppression systems are permitted to be omitted in dedicated use buildings located more than 100 feet (30.5 M) from buildings, lot lines, public ways, stored combustible materials, hazardous materials, high piled stock and other exposure hazards.

8.3. Dwelling units and sleeping units. BESS shall not be installed in sleeping units or in habitable spaces of dwelling units.

8.4. Fire-resistance rated separations. Rooms and areas containing BESS shall include fire-resistance rated separations as follows:

- In dedicated use buildings, rooms and areas containing BESS shall be separated from areas in which administrative and support personnel are located.
- In non-dedicated use buildings, rooms and areas containing BESS shall be separated from other areas in the building.

Separation shall be provided by 2 hour rated fire barriers constructed in accordance with Section 707 of the International Building Code and 2 hour rated horizontal assemblies constructed in accordance with Section 711 of the International Building Code, as appropriate.

9. Outdoor installations. Outdoor installations shall be in accordance with Sections 9.1 through 9.3. Exterior wall installations for individual BESS units not exceeding 20 kWh shall be in accordance with 9.4.

9.1. Remote outdoor installations. For the purpose of Table 5, remote outdoor installations include BESS located more than 100 feet (30.5 M) from buildings, lot lines, public ways, stored combustible materials, hazardous materials, high piled stock and other exposure hazards.

9.2. Installations near exposures. For the purpose of Table 5, installations near exposures include all outdoor BESS installations that do not comply with 9.1 remote outdoor location requirements.

TABLE 5 OUTDOOR BESS INSTALLATIONS

Compliance Required	Remote Installations ^a	Installations Near Exposures ^b
5. General Installation Requirements	Yes	Yes
6.1 Size and separation	No	Yes ^c
6.4. Smoke and automatic fire detection	Yes	Yes
6.5. Fire suppression systems	Yes ^d	Yes
6.6. Maximum enclosure size	Yes	Yes
6.7. Vegetation control	Yes	Yes
6.8. Means of egress separation	Yes	Yes

9.3. Clearance to exposures	Yes	Yes
7. Technology specific protection	Yes	Yes

a. See Section 9.1.

b. See Section 9.2.

c. In outdoor walk-in units, spacing is not required between BESS units and the walls of the enclosure.

d. Where approved by the fire code official, fire suppression systems are permitted to be omitted.

9.3. Clearance to exposures. BESS located outdoors shall be separated by a minimum ten feet (3048 mm) from the following exposures:

- Lot lines
- Public ways
- Buildings
- Stored combustible materials
- Hazardous materials
- High-piled stock
- Other exposure hazards

Exceptions:

- Clearances are permitted to be reduced to 3 feet (914 mm) where a 1-hour free standing fire barrier, suitable for exterior use, and extending 5 feet (1.5 m) above and extending 5 feet (1.5 m) beyond the physical boundary of the BESS installation is provided to protect the exposure.
- Clearances to buildings are permitted to be reduced to 3 feet (914 mm) where noncombustible exterior walls with no openings or combustible overhangs are provided on the wall adjacent to the BESS and the fire-resistance rating of the exterior wall is a minimum 2 hours.
- Clearances to buildings are permitted to be reduced to 3 feet (914.4 mm) where a weatherproof enclosure constructed of noncombustible materials is provided over the BESS, and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure based on large scale fire testing.

9.4. Exterior wall installations. BESS shall be permitted to be installed outdoors on exterior walls of buildings when all of the following conditions are met:

- The maximum energy capacity of individual BESS units shall not exceed 20 kWh.
- The BESS shall comply with applicable requirements in this Appendix.
- The BESS shall be installed in accordance with the manufacturer's instructions and their listing.
- Individual BESS units shall be separated from each other by at least three feet (914 mm).
- The BESS shall be separated from doors, windows, operable openings into buildings, or HVAC inlets by at least five feet (1524 mm)

Exception: Where approved smaller separation distances in items 4 and 5 shall be permitted based on large scale fire testing.

10. Special installations. Rooftop and open parking garage BESS installations shall comply with Sections 10.1 through 10.6.

10.1. Rooftop installations. For the purpose of Table 6, rooftop BESS installations are those located on the roofs of buildings.

- 10.2. **Open parking garage installations.** For the purpose of Table 6, open parking garage BESS installations are those located in a structure or portion of a structure that complies with Section 406.5 of the International Building Code.

TABLE 6 SPECIAL BESS INSTALLATIONS

Compliance Required	Rooftops ^a	Open Parking Garages ^b
5. General Installation Requirements	Yes	Yes
6.1. Size and separation	Yes	Yes
6.4. Smoke and automatic fire detection	Yes	Yes
6.6. Maximum enclosure size	Yes	Yes
6.8. Means of egress separation	Yes	Yes
10.3. Clearance to exposures	Yes	Yes
10.4. Fire suppression systems	Yes	Yes
10.5. Rooftop installations	Yes	No
10.6. Open parking garage installations	No	Yes
7. Technology specific protection	Yes	Yes

a. See Section 10.1.

b. See Section 10.2.

- 10.3. **Clearance to exposures.** BESS located on rooftops and in open parking garages shall be separated by a minimum ten feet (3048 mm) from the following exposures:

- Buildings, except the building on which rooftop BESS is mounted
- Any portion of the building on which a rooftop system is mounted that is elevated above the rooftop on which the system is installed
- Lot lines
- Public ways
- Stored combustible materials
- Locations where motor vehicles can be parked
- Hazardous materials
- Other exposure hazards

Exceptions:

- Clearances are permitted to be reduced to 3 feet (914 mm) where a 1-hour free standing fire barrier, suitable for exterior use, and extending 5 feet (1.5 m) above and extending 5 feet (1.5 m) beyond the physical boundary of the BESS installation is provided to protect the exposure.
- Clearances are permitted to be reduced to 3 feet (914.4 mm) where a weatherproof enclosure constructed of noncombustible materials is provided over the BESS and it has been demonstrated that a fire within the enclosure will not ignite combustible materials outside the enclosure based on large scale fire testing.

- 10.4. **Fire suppression systems.** BESS located in walk-in units on rooftops or in walk-in units in open parking garages shall be provided with automatic fire suppression systems within the BESS enclosure in accordance with Section 6.5. Areas containing BESS other than walk-in units in open parking structures on levels not open above to the sky shall be provided with an automatic fire suppression system complying with Section 6.5.

Exception: A fire suppression system is not required in open parking garages if large scale fire testing is provided that shows that a fire will not impact the exposures in Section 10.3.

- 10.5. **Rooftop installations.** BESS and associated equipment that are located on rooftops and not enclosed by building construction shall comply with the following:
- Stairway access to the roof for emergency response and fire department personnel shall be provided either through a bulkhead from the interior of the building or a stairway on the exterior of the building.
 - Service walkways at least 5 feet (1524 mm) in width shall be provided for service and emergency personnel from the point of access to the roof to the system.
 - BESS and associated equipment shall be located from the edge of the roof a distance equal to at least the height of the system, equipment, or component but not less than 5 feet (1.5 m).
 - The roofing materials under and within 5 feet (1524 mm) horizontally from a BESS or associated equipment shall be noncombustible or shall have a Class A rating when tested in accordance with ASTM E108 or UL 790.
 - A Class I standpipe outlet shall be installed at an approved location on the roof level of the building or in the stairway bulkhead at the top level.
 - The BESS shall be the minimum of 10 feet from the fire service access point on the roof top.
 - The BESS shall not be located within 50 feet (15,240 mm) of air inlets for building HVAC systems.

Exception: This distance shall be permitted to be reduced to 25 feet (7,620 mm) if the automatic fire alarm system monitoring the radiant-energy sensing detectors deenergizes the ventilation system connected to the air intakes upon detection of fire.

- 10.6. **Open parking garages.** BESS and associated equipment that are located in open parking garages shall comply with all of the following:
- BESS shall not be located within 50 feet (15,240 mm) of air inlets for building HVAC systems.

Exception: This distance shall be permitted to be reduced to 25 feet (7,620 mm) if the automatic fire alarm system monitoring the radiant-energy sensing detectors de-energizes the ventilation system connected to the air intakes upon detection of fire.
 - BESS shall not be located within 25 feet (7,620 mm) of exits leading from the attached building where located on a covered level of the parking structure not directly open to the sky above.
 - An approved fence with a locked gate or other approved barrier shall be provided to keep the general public at least five feet (1,024 mm) from the outer enclosure of the BESS.

APPENDIX 3: Operation and Maintenance Manual

The Operation and Maintenance Manual shall be provided to both the BESS owner and their operator before the battery energy storage system is put into operation. The energy storage system shall be operated and maintained in accordance with the manual and a copy of the documentation shall be retained at an approved onsite location to be accessible to facility personnel, fire code officials, and emergency responders.

In addition to complying with the Uniform Code, the battery energy storage system Operation and Maintenance Manual shall, at a minimum, include design, construction, installation, testing and commissioning information associated with the battery energy storage system as initially approved after being commissioned, as well as the following information:

1. Manufacturer's operation manuals and maintenance manuals for the entire BESS or for each component of the system requiring maintenance, that clearly identify the required routine maintenance actions.
2. Name, address and phone number of a service agency that has been contracted to service the BESS and its associated safety systems.
3. Maintenance and calibration information, including wiring diagrams, control drawings, schematics, system programming instructions and control sequence descriptions, for all energy storage control systems.
4. Desired or field-determined control set points that are permanently recorded on control drawings at control devices or, for digital control systems in system programming instructions.
5. A schedule for inspecting and recalibrating all BESS controls.
6. A service record log form that lists the schedule for all required servicing and maintenance actions and space for logging such actions that are completed over time and retained on site.
7. Inspection and testing records

APPENDIX 4: Emergency Operations Plan

An emergency operations plan shall include the following information:

- a. Procedures for safe shutdown, de-energizing, or isolation of equipment and systems under emergency conditions to reduce the risk of fire, electric shock, and personal injuries, and for safe start-up following cessation of emergency conditions.
- b. Procedures for inspection and testing of associated alarms, interlocks, and controls.
- c. Procedures to be followed in response to notifications from the Battery Energy Storage Management System, when provided, that could signify potentially dangerous conditions, including shutting down equipment, summoning service and repair personnel, and providing agreed upon notification to fire department personnel for potentially hazardous conditions in the event of a system failure.
- d. Emergency procedures to be followed in case of fire, explosion, release of liquids or vapors, damage to critical moving parts, or other potentially dangerous conditions. Procedures can include sounding the alarm, notifying the fire department, evacuating personnel, de-energizing equipment, and controlling and extinguishing the fire.
- e. Response considerations similar to a safety data sheet (SDS) that will address response safety concerns and extinguishment when an SDS is not required.
- f. Procedures for dealing with battery energy storage system equipment damaged in a fire or other emergency event, including maintaining contact information for personnel qualified to safely remove damaged battery energy storage system equipment from the facility.
- g. Other procedures as determined necessary by the Town of Ridgeway to provide for the safety of occupants and emergency responders.
- h. Procedures and schedules for conducting drills of these procedures.

Section 2: This Local Law shall be effective upon filing with the Secretary of State in accordance with the Municipal Home Rule Law.

RESOLUTION NO. 41-3/15/2021

RESOLUTION, AUTHORIZE HIGHWAY
SUPERINTENDENT TO PURCHASE TRACTOR AND
JOINT PURCHASE A ROLLER WITH THE VILLAGE
OF MEDINA AND THE TOWN OF SHELBY.

Offered by Councilman Stalker who moved its adoption.
Seconded by Councilman Payne.

Adopted:

4 Yes

0 No

Resolved, Authorized the Highway Superintendent to purchase a Tractor and to joint purchase a Roller
with the Village of Medina and the Town of Shelby.

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**New York State
Contract
PC# 67693**

L4760HSTC WEB QUOTE #1896841
Date: 2/5/2021 11:22:38 AM
- Customer Information -
Olinger, John
Town of Ridgeway
highwaysuper@townridgeway.org
5854095199

Quote Provided By
BENTLEY BROS
THOMAS HICKS
13935 STATE ROUTE 31
ALBION, NY 14411
email: TOM@BENTLEYBROSINC.COM
phone: 5857475403

- Standard Features -

- Custom Options -

Kubota
L Series L4760HSTC
*** EQUIPMENT IN STANDARD MACHINE ***

DIESEL ENGINE
Model # V2603CRE4GL610.6 Tier
IV Engine
Common Rail Direct Injection
w/ DPF and EGR
4 Cyl. 144.5 cu. in.
* 47.0 Net Eng. HP
* 39.5 PTO HP
@ 2600 Eng. rpm
12V 40Amp - 582CCA
Radial Air Flow Cooling
Dust Air Cleaner Element

POWER TAKE OFF
1 Speed Rear Live - HYD
IND. 540 rpm @ 2550 Eng. rpm
SAE 1-3/8" 6 Splines
Electric over Hydraulic PTO
Switch

DIMENSIONS
Overall Height w/ Cab 81.8
Overall Length w/ Opt. 129.5
Wheel Base 74.6"
Crop Clearance 15.8

HYDRAULICS
Open Center
Tandem Pump Gear Type
4.7 gpm Power Steering
9.4 gpm Remote/3 Pt. Hitch
14.1 gpm Total Hyd. Flow
Category I 3-Pt. Hitch
Lift Capacity -
At 1 1/2 Point 3868 lbs.
24" Behind 2758 lbs.
Position Control

STANDARD EQUIPMENT
ROPS Certified Cab
w/ Retractable
Seat Belt
Highback Adj. Seivel Seat w/
Deluxe
Suspension w/ Arm Rests
Safety Start Switches
Operator Presence Control
System
Parking Brakes
Flu. Deck w/ Hanging Pedals
Electric Key Shut-off
2 Front Work Lights
Tilt Steering
Wash Anti-Slip Step
ISO Mounted Platform
Turn Signals / Hazard Flashers
SMV Sign
Operator Presence Control
System
Telescoping Lower Links
2 Tier Halogen Head Lights
4 Position Loader Valve
One Piece Metal Hood
12V Outlet and Cup Holder
Front Wiper w/ Washer
60 Amp Alternator
Interior Light
A/C Heater w/ Intermit/External
Ventilation
Speakers and Radio W/ret
Hom

FRONT AXLE
Hydrostatic Power Steering Control
on 4WD front axle
Tired Spacing - Non-adjustable
Bevel Gear drive

DRIVE TRAIN
HST PLUS3 Forward / 3 Reverse
Hi/Low Range
Mech. Wet Disc Brakes
Differential Lock
Cruise Control

FLUID CAPACITY
Fuel Tank 13.5 gal.
Cooling System 7.9 qts
Crankcase 8.7 qts
Transmission and
Hydraulics 11.4 gal.
Front Axle Differential 5.8 qts

* Manufacturer Estimate

IntelliPanel™
Lighted Communications
Symbols
Standard Tachometer
Digital Read for Speed, MPH
PTO
symbol diagnostic system
and
DPF system
Warning Symbols

SELECTED TIRES

ALR886BA & ALR8827
FRONT - 10-16.5 R4 Titan Trac Loader
REAR - 17.5L-24 R4 Pirelli Stone Ax Traction Utility

L4760HSTC Base Price:	\$42,317.00
(1) 72" QUICK ATTACH SQUARE BACK BUCKET	\$701.00
1225M-72" QUICK ATTACH SQUARE BACK BUCKET	
(1) REMOTE HYD CONTROL / E36 CAB	\$595.00
1400M-REMOTE HYD CONTROL / E36 CAB	
(1) FRONT LOADER PACKAGE (LIFT CAPACITY 1,784 LBS)	\$5,071.00
1410M-FRONT LOADER PACKAGE (LIFT CAPACITY 1,784 LBS)	
(1) DOUBLE ACTING VALVE	\$244.00
1800M-DOUBLE ACTING VALVE	
Configured Price:	\$48,928.00
State of New York Discount	(\$10,764.16)
SUBTOTAL:	\$38,163.84
Dealer Assembly:	\$453.33
Freight Cost:	\$875.00
PDI:	\$750.00
Add loading front tires	\$500.00

Total Unit Price: \$40,242.17
Quantity Ordered: 1
Final Sales Price: \$40,242.17

**Purchase Order Must Reflect
the Final Sales Price**

To order, place your Purchase Order directly with the nearest
dealer.

*All equipment specifications are as complete as possible as of the date on the quote. Additional attachments, options, or accessories may be added (or deleted) at the discounted price. All specifications and prices are subject to change. Taxes are not included. The PDI fees and freight for attachments and accessories quoted may vary according to freight order by the dealer. Dealer's prices will be listed separately. Prices for products quoted are good for 60 days from the date shown on the quote. All equipment is quoted as delivered.



Customer Order

George and Swede Sales and Service, Inc.
7155 Big Tree Road
Pavilion, NY 14525

Ph 585-584-3425 Fx 585-584-8853
www.georgeandswede.com

Customer: Town of Ridgeway Highway Department
Contact: John Olinger
name/cell: 585-329-8671
E-mail: highwaysuper@townridgeway.org
phone: 585-798-3680
Billing: 3049 North Gravel Road
Address: Medina New York 14103
Shipping Address:

Date: 3/10/2021
Purchase Order #: NA
Sourcewell Cust #: 110315
Sourcewell Order #: 032119-BAI
FOB

Will this need plates? Yes ☐ No ☒

UNIT #	DESCRIPTION	SERIAL #	AMOUNT
	Boma BW120 SL-5 Double Drum Roller		\$ 11,938.33
	Hinged ROPS, Sliding Seat, Tier 4 Final Kubota		
	Diesel Engine, Hydrostatic Travel & Vibration Drive,		
	Pressure Sprinkler System w/ 43.6 gal. Water Tank.		
	Multi Function Travel Lever, Back-Up Alarm		

(All equipment subject to availability) (No warranty expressed or implied, sold as is where is unless stated otherwise)

Trade In information:

Total Price \$ 11,938.33

Make _____
Model _____
Serial # _____

Year _____
Hours _____

Trade In Amount \$ _____

Attachments: _____

Deposits \$ _____

Financing _____

0 ☐ TIRES
EXEMPT 0.00%
12% ☐ YES
3% ☐ YES

Balance After Trade \$ 11,938.33

Tire Tax _____
Sales Tax (if any) \$ _____
FET Tax _____
Credit Card Convenience Fee (if any) _____

TOTAL BALANCE DUE \$ 11,938.33

THANK YOU, WE APPRECIATE YOUR BUSINESS.

GEORGE & SWEDE

ACCEPTANCE

CUSTOMER

Scott Fisher _____

(Company Name) _____

3/10/2021
(date)

(Signature) _____

Greg Newell, President
cell 585-734-3346

e-mail gregn@georgeandswede.com

(Title) _____

(Date) _____

NEW AND USED EQUIPMENT / SALES, RENTALS, SERVICE, AND PARTS

HYUNDAI
CONSTRUCTION EQUIPMENT

Link-Belt
EXCAVATORS

YANMAR

INTERSTATE

RESOLUTION NO. 42-3/15/2021

RESOLUTION, APPROVAL OF THE JUNKYARD
LICENSE RENEWALS WITH THE FOLLOWING:

RIDGEWAY SALVAGE: PAUL NAYMAN
DUNN AUTO PARTS: DANNY DUNN
CHERRY AUTO WRECKING: ROGER CHERRY.

Offered by Councilman Payne who moved its adoption.
Seconded by Councilman Woodruff.

ADOPTED:

4 Yes

0 No

Resolved, to approve the junkyard licenses for the Ridgeway Salvage, Dunn Auto Parts and Cherry Auto Wrecking.

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Town of Ridgeway
410 West Avenue
Medina, NY 14103
585-798-0735

March 09, 2021

Town of Ridgeway Board
410 West Ave
Medina, New York 14103

Dear Board Members:

This letter is in regards to the three Junkyards in the Town of Ridgeway. The Junkyards as listed below have submitted renewal applications along with the \$150.00 renewal fee. All three have been inspected and meet the Town of Ridgeway 2007 Junkyard laws.

Ridgeway Salvage
Dunn Auto Parts
Cherry Auto Wrecking

Paul Nayman
Danny Dunn
Roger Cherry

At this time I recommend that the Town of Ridgeway Board approve the renewal of the above named junkyards.

Respectfully Submitted,

Daniel J Wolfe
Code Enforcement Officer
Town of Ridgeway

DJW/jrb

RESOLUTION NO.43-3/15/2021

RESOLVED, AGREEMENT FOR EXPENDITURE OF
HIGHWAY MONIES.

Offered by Councilman Woodruff who moved its adoption.
Seconded by Councilman Payne.

ADOPTED:

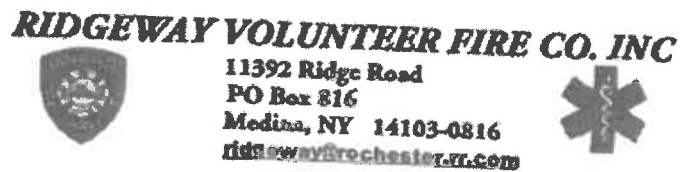
4 Yes

0 No

Resolved, agreement for expenditure of Highway monies.

OTHER BUSINESS:

FIRE COMPANY REPORT: Read by Councilman Payne.



FEBRUARY 2021

EMS - 10
MUTUAL AID - 4
MVA - 1
HAZ. CONDITION - 1
STRUCTURE FIRE - 2***

TOTAL - 18 YTD - 56

Firefighters per call - 7.2 YTD Average - 7.3
Firefighters Hours - 146.15 YTD TOTAL - 305.65

***Cause of trailer fire: Thawing pipes with torch
***Cause of small barnfire: Heat lamp either fell or knocked down by animal

DEPARTMENTS:

TOWN CLERK: Clerk Kaiser thanked the Town Board for approving partial payments of taxes when asked years ago, as there have been several people taking advantage of it this year.

Tax collection is going much better than anticipated.

ASSESSOR LASZEWSKI: Working on updates. The updates are to go out on or around April 5th. With Grievance Day the end of May and in formals the end of April, will need to know about Covid requirements.

ATTORNEY BOGAN: Bogan stated that she was glad to have the Local Law for Battery storage taken care of. Who knows what the State Budget will turn out to be?

HIGHWAY OLINGER: Cutting trees, a lot of dead ash trees. Reading water meters, we have done some cold patch, but not much was needed. Intersections groomed. Fixing lawns from snow plowing.

CODE ENFORCEMENT WOLFE: On vacation.

COUNCILMAN PAYNE: Nothing to add.

COUNCILMAN STALKER: Nothing to add.

COUNCILMAN WOODRUFF: Debbie Padoleski sent a letter out regarding the summer recreation program Ms. Evoy has tendered her resignation, so they will be seeking a new director. Waiting to hear what will be allowed due to Covid restrictions.

Gabrielle Barone, asked that the Town consider working on the pedestrian walkway by Ricky Place. Barone stated that she knows it is in the Town of Shelby, but that people have been forced to walk in the road and hoped the Town would consider helping Shelby or the Village in getting the walkway repaired,

As there were no further questions, the Supervisor asked for a motion to pay the bills as presented.

Total Abstract: \$ 193,575.08

Offered by Councilman Stalker who moved its adoption.
Seconded by Councilman Payne.
Motion to adjourn.
Offered by Councilman Woodruff.
Seconded by Councilman Stalker adjourned at 7:57 P.M.

Respectfully submitted,

Karen L. Kaiser
Town Clerk/RMC