



**Warrant Special Town Meeting  
Commonwealth of Massachusetts  
County of Hampden, ss.  
Town of Blandford**

**TO:** One of the Constables in the Town of Blandford, in said County and State

**GREETINGS:** In the name of the Commonwealth of Massachusetts, you are hereby directed to notify and warn the inhabitants of Blandford qualified to vote in elections and town affairs to meet at the Blandford Town Hall, One Russell Stage Road, Blandford, Massachusetts on Monday, March 18, 2024, at 7 P.M., then and thereto to act on the following matters:

**ARTICLE 1:** To see if the Town will vote to transfer from available funds the sum of \$78,838.00, or some other sum, to be used to purchase and equip a mini excavator for use by the Highway Department, including any incidental and related expenses, or take any other action relative thereto.

*Requires Simple Majority Vote. Hear Finance Committee Recommendation:*

**ARTICLE 2:** To see if the Town will vote to transfer from available funds the sum of \$53,805.12, or some other sum, to be transferred to account #015752 005, Broadband Interest, to be used to service debt for the broadband system, or take any other action relative thereto.

*Requires Simple Majority Vote. Hear Finance Committee Recommendation:*

**ARTICLE 3:** To see if the Town will vote to apply for, accept, and expend Massachusetts Public Library Construction Program (MPLCP) grant funds, if approved, and further to transfer and appropriate the sum of \$150,000.00, or any other sum, from the Library Building Stabilization Fund, if said MPLCP grant is approved, said sum to be expended by the Town for library assessment, planning, feasibility and/or design, including any incidental and related expenses or take any other action relative thereto.

*Requires a 2/3 Vote. Hear Finance Committee Recommendation:*

**ARTICLE 4:** To see if the Town will vote to transfer from available funds the sum of \$780.84 to pay the following unpaid bills from prior fiscal years:

KP LAW: Invoice #136314, dated March 31, 2022	\$330.70
Chester-Blanford Police Department, #23-000126, dated June 14, 2023	\$330.00
Stryker Sales, LLC: #4110532 M, dated March 30, 2023	\$120.14

Or take any other action relative thereto.

*Requires a 9/10 Vote. Hear Finance Committee Recommendation:*

**ARTICLE 5:** To see if the Town will vote to amend the Town’s Zoning By-Laws, SECTION VIII, GROUND MOUNTED SOLAR PHOTOVOLTAIC INSTALLATIONS, subsection 8.1.2, Definitions, by deleting the strikethrough language and adding the underlined language as follows:

- **“SOLAR PHOTOVOLTAIC INSTALLATION, SMALL SCALE GROUND MOUNTED:**  
*A solar photovoltaic system that is structurally mounted on the ground and is not roof mounted and has a rated nameplate capacity of less than ~~40~~ 20 KW DC or occupies less than 1750 square feet of surface area”.*
- **SOLAR PHOTOVOLTAIC INSTALLATION, MEDIUM SCALE GROUND MOUNTED:** *A solar photovoltaic system that is structurally mounted on the ground and is not roof mounted and has a rated nameplate capacity between ~~40~~ 20 KW DC and 250 KW DC or occupies greater than 1750 square feet and less than 40,000 square feet of surface area*

Or take any other action relative thereto.

*Requires a 2/3 Vote. Hear Finance Committee Recommendation:*

**ARTICLE 6:** To see if the Town will vote to amend the Town’s Zoning By-Laws by inserting new Section XVI, Battery Energy Storage Systems, as follows:

## **SECTION XVI – Battery Energy Storage Systems**

### **16.1 Purpose**

The purpose of this bylaw is to provide for the construction and operation of Battery Energy Storage Systems (BESS) and to provide standards for the placement, design, construction, monitoring, modification and removal of energy storage systems that address public safety, minimize impacts on scenic, natural and historic resources of the Town of Blandford and provide adequate financial assurance for decommissioning. The provisions set forth in this section shall take precedence over all other sections when considering applications related to the construction, operation, and/or repair of Battery Energy Storage Systems.

### **16.2 Definitions**

**BATTERY OR BATTERIES** – 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 bylaw, batteries utilized in consumer products are excluded from these requirements.

**BATTERY ENERGY STORAGE SYSTEM** – a physical container providing secondary containment to one or more battery cells for storing electrical energy derived from solar or sourced directly from the grid that is equipped with cooling, ventilation, fire suppression, and an electronic battery management system. It may be a primary use or accessory to a solar energy facility, power generation facility, an electrical sub-station, or other similar uses. A Battery Energy Storage System can be classified as a Tier 1, Tier 2, or Tier 3 Battery Energy Storage System, as follows:

- A. Tier 1 Battery Energy Storage Systems are defined as those that have an aggregate energy capacity up to 20kWh and whose purpose is to store energy from residential solar energy

systems if in a room or enclosed area, consist of only a single energy storage system technology. The facility must comply with the State's electrical code (527 CMR. 12.00) and the State's Fire Code (527 CMR 1.00).

- B. Tier 2 Battery Energy Storage Systems are defined as those that are interconnected to utility distribution lines and have an aggregate energy capacity greater than 20kWh but less than or equal to 10 Megawatts. The facility must comply with the State's electrical code (527 CMR. 12.00) and the State's Fire Code (527 CMR 1.00).
- C. Tier 3 Battery Energy Storage Systems are defined as those that are interconnected to high voltage transmission lines and have an aggregate energy capacity greater than 10 Megawatts. The facility must comply with the State's electrical code (527 CMR. 12.00) and the State's Fire Code (527 CMR 1.00).

### **16.3 Applicability**

- A. Building-integrated Battery Energy Storage Systems
  - 1. Battery Energy Storage Systems that are building-integrated, whether a residential or commercial building, shall not be erected, constructed, installed, or modified as provided in this section without first obtaining a building permit from the Building Inspector.
  - 2. Building-integrated energy storage systems may be coupled with rooftop solar or behind the meter applications for peak shaving.
  - 3. Building-integrated battery energy storage systems may be located in any zoning district within the Town of Blandford.
- B. Co-located Battery Energy Storage Systems
  - 1. Battery Energy Storage Facilities are encouraged to co-locate with solar photovoltaic installations, energy, power generation stations, and electrical sub-stations.
  - 2. Battery Energy Storage Systems associated with on-site solar power generation are permitted in all districts where solar photovoltaic installations are permitted by Special Permit and Site Plan Approval, and shall be subject to the requirements of this Zoning Bylaw applicable to the co-located solar photovoltaic installations, in addition to the requirements set forth herein.
- C. Battery Energy Storage systems not associated with on-site solar generation shall only be permitted in the Agricultural Zoning District and shall require a Special Permit from the Planning Board.
- D. 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 bylaw.

### **16.4 General Requirements**

- A. All Tier 2 and 3 battery energy storage systems shall require a special permit and site plan approval by the Planning Board prior to construction, installation, or modification as provided in this bylaw.
- B. The construction, operation, and decommissioning of all battery storage energy storage systems shall be consistent with all applicable local, state, and federal requirements, including but not limited to all applicable environmental, safety, construction, fire, and electrical requirements.
- C. A building permit and an electrical permit shall be required for installation of all battery energy storage systems.

## 16.5 Application Materials

- A. In addition to requirements for Special Permit and Site Plan Approval, in accordance with Section IX, the application shall include the following:
1. A site plan prepared, stamped and signed by a Professional Engineer licensed to practice in Massachusetts, that shows the following:
    - a. An existing conditions plan with property lines and physical features, including topography and roads, characteristics of vegetation (trees- mature, old growth, shrubs, open field, etc.), wetlands, streams, ledge, for the project site;
    - b. Proposed changes to the landscape of the site, including grading, vegetation clearing and planting, exterior lighting, screening vegetation or structures, driveways, snow storage, and storm water management systems; including total acreage of disturbed area, total vegetation cleared, not including mowed fields;
    - c. Trees with a DBH of 20" or greater within project parcel(s) shall be identified to determine tree loss, along with inventorying of diseased or hazard trees slated to be removed due to proposed development;
    - d. Property lines and physical dimensions of the subject property with contour intervals of no more than 10 feet;
    - e. Property lines of adjacent parcels within 30 feet;
    - f. Location, dimensions, and types of existing major structures on the property;
    - g. Location of the proposed battery energy storage structures, foundations, and associated equipment;
    - h. The right-of-way of any public or private road that is contiguous with the property;
    - i. Any overhead or underground utilities;
    - j. At least one color photograph of the existing site, measuring eight inches by 10 inches.
    - k. Locations of floodplains or inundation areas for moderate or high hazard dams;
    - l. Locations of local or National Historic Districts.
    - m. Stormwater management and erosion and sediment control
  2. A preliminary equipment specification sheet that documents the proposed battery energy storage system components, inverters and associated electrical equipment that are to be installed, including manufacturer and model. A final equipment specification sheet shall be submitted prior to the issuance of building permit;
  3. One- or three-line electrical diagram showing associated components, and electrical interconnection methods, with all NEC compliant disconnects and overcurrent devices;
  4. Contact information and signature of the project proponent, as well as all co-proponents, if any, and all property owners;
  5. Contact information and signature of agents representing the project proponent, if any;
  6. Contact information for the person(s) responsible for public inquiries throughout the life of the system;
  7. An operations and maintenance plan for Battery Energy Storage System. Such plan shall describe continuing battery energy storage system maintenance and property upkeep, as well as design, construction, installation, testing and commissioning information;
  8. Energy Storage System technical specifications, including manufacturer and model;
  9. Electrical schematic;
  10. Documentation that shows the owner of the Energy Storage System has site control, which shall include easements and access roads;

11. Documentation that shows the owner of the Energy Storage System has notified the electric utility of this installation.
12. Emergency Operations Plan. A copy of the approved Emergency Operations Plan shall be given to the system owner, the local fire department, and local fire code official. A permanent copy shall also be placed in an approved location to be accessible to facility personnel, fire code officials, and emergency responders. The 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 necessary to provide for the safety of occupants, neighboring properties, and emergency responders.
  - h. Procedures and schedules for conducting drills of these procedures and for training local first responders on the contents of the plan and appropriate response procedures.
13. Proof of liability insurance: The applicant shall be required to provide evidence of liability insurance in an amount and for a duration sufficient to cover loss or damage to persons and property caused by the failure of the system.
14. A noise study, prepared by a qualified individual with experience in environmental acoustics, to assess the impact of all noise sources generated from the project to abutting properties, and determine the appropriate layout, design, and control measures. The report should include details of assessment methods, summarize the results, and recommend the required outdoor as well as any indoor control measures.
15. Pollinator-Friendly Certification. No Battery Energy Storage System shall be constructed until proof has been given to the Site Plan Approval Authority that the project proponent has obtained Pollinator-Friendly Certification for the Battery Energy Storage System through the UMass Clean Energy Extension Pollinator-Friendly Certification Program at a minimum of the Certified Certification Level, or other equivalent certification as determined by the Planning Board. This certification must be maintained throughout the life of the installation.

## **16.6 Design and Site Standards**

- A. All battery energy storage systems that require a special permit and site plan approval shall be set back a minimum of 100 feet from all side, rear, and front lot lines.
- B. In addition to the standards for Special Permit and Site Plan Approval, in accordance with Section IX, the applicant shall adhere to the following standards and provide such information on the site plan:
  - 1. Utility Lines. All on-site utility lines shall be placed underground to the extent feasible and as permitted by the serving utility.
  - 2. Signage. The signage shall include the type of technology associated with the systems, any special hazards associated, the type of suppression system installed, and 24-hour emergency contact information. All information shall be clearly displayed on a light reflective surface. Clearly visible warning signs concerning voltage shall be placed at the base of all pad-mounted transformers and substations.
  - 3. Lighting. Lighting of the systems shall be limited to that minimally required for safety and operational purposes and shall be reasonably shielded and downcast from abutting properties.
  - 4. Vegetation and Tree-Cutting. Areas within ten (10) feet on each side of a system shall be cleared of combustible vegetation and other combustible growth. Single specimens of trees or shrubbery and cultivated ground covers such as green grass, ivy, succulents, or similar plants shall be exempt provided that they do not form a means of readily transmitting fire. Clearing of natural vegetation shall be limited to that which is necessary for the construction, operation, and maintenance of the system and that which is otherwise prescribed by applicable bylaws and regulations.
  - 5. Noise. The 1-hour average noise generated from the systems, components, and associated ancillary equipment shall not exceed a noise level of 60 dBA as measured at the property line.

## **16.7 Special Permit Criteria**

- A. The Planning Board may approve an application if the Board finds that the system complies with the Special Permit and Site Plan Approval criteria and with the conditions for granting Special Permits. Battery energy storage systems shall also satisfy the following additional criteria:
  - 1. Environmental features of the site are protected, and surface runoff will not cause damage to surrounding properties or increase soil erosion and sedimentation of nearby streams and ponds.
  - 2. The Planning Board may also impose conditions as it finds reasonably appropriate to safeguard the town or neighborhood including, but not limited to, screening, lighting, noise, fences, modification of the exterior appearance of electrical cabinets, battery storage systems, or other structures, limitation upon system size, and means of vehicular access or traffic features.
  - 3. No occupancy permit shall be granted by the Building Commissioner, nor shall the site be energized or interconnected to the utility until the Planning Board has received, reviewed, and approved an as-built plan that demonstrates that the work proposed on the approved site plan, including all stormwater management components and associated off-site improvements, have been completed in accordance with the approved plan and certified same to the Building Commissioner.

4. The Planning Board may, in its discretion, approve an as-built plan upon provision of a proper bond, covenant, or third-party agreement to secure incomplete work where such work is not immediately necessary for lawful operation of the system without negative effect on public health and safety and surrounding properties.
5. The applicant shall make every effort to coordinate necessary surveying and finalization of the as-built plans and submission of required construction control documents prior to the conclusion of construction. Notwithstanding the above, a temporary occupancy permit may be granted with the approval of the Planning Board subject to conditions for completion of work imposed by the Board.

## **16.8 Decommissioning**

- A. As part of the applicant's submission to the Board, the applicant shall submit a decommissioning plan, to be implemented upon abandonment or in conjunction with removal from property. The plan shall include:
  1. A narrative description of the activities to be accomplished, including who will perform that activity and at what point in time, for complete physical removal of all battery energy storage system components, structures, equipment, security barriers, and transmission lines from the property.
  2. Disposal of all solid and hazardous waste in accordance with local, state, and federal regulations.
  3. The anticipated life of the battery energy storage systems.
  4. The estimated decommissioning costs and how said estimate was determined.
  5. The method of ensuring that funds will be available for decommissioning and restoration.
  6. The method by which the decommissioning cost will be kept current.
  7. The manner in which the site will be restored, including a description of how any changes to the surrounding areas and other systems adjacent to the battery energy storage system, such as, but not limited to, structural elements, building penetrations, means of egress, and required fire detection suppression systems, will be protected during decommissioning and confirmed as being acceptable after the system is removed.
  8. A listing of any contingencies for removing an intact operational battery energy storage system from service, and for removing an energy storage system from service that has been damaged by a fire or other event.
- B. Decommissioning Fund. The owner and/or operator of the energy storage system, shall continuously maintain a fund or bond payable to the Town of Blandford, in an approved form for the removal of the battery energy storage system, in an amount to be initially determined by the Planning Board and periodically reviewed and adjusted by the Board at its discretion, for the life of the facility. All costs of the financial security shall be borne by the applicant. The amount shall include a mechanism for calculating increased removal costs due to inflation.
- C. An inspection of the completed decommissioned area shall be reviewed by a consultant hired by the Planning Board before approving the decommissioning work in accordance with the Decommissioning Plan. The owner and/or operator shall pay for the cost of this review with such payment being provided by the owner and/or operator prior to the consultant undertaking said review, in accordance with MGL Chapter 44, Section 53G.

## **16.9 Safety**

- A. System Certification. Battery energy storage systems and equipment shall be listed by a Nationally Recognized Testing Laboratory to UL 9540 (Standard for battery energy storage systems and Equipment) or approved equivalent, with subcomponents meeting each of the following standards as applicable:
  - 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 (or approved equivalent) and applicable codes, regulations and safety standards may be used to meet system certification requirements.
- 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.
- 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.

#### **16.10 Abandonment**

- A. The battery energy storage system shall be considered abandoned when it ceases to operate consistently for more than twelve (12) months. The system shall be presumed abandoned if the owner and/or operator fails to respond affirmatively within thirty (30) days to a written inquiry from the Building Inspector with confirmation of receipt as to the continued validity and operation of the system. If the owner or operator fails to comply with decommissioning upon any abandonment, the Town may, at its discretion, and in accordance with applicable law, utilize the available bond or surety for the removal of a system and restore the site in accordance with the decommissioning plan.

#### **16.11 Severability**

If any provision of this By-Law is found to be invalid by a court of competent jurisdiction, the remainder of this By-Law shall not be affected but remain in full force. The invalidity of any provision of this By-Law shall not affect the validity of the remainder of the Blandford Zoning Bylaw.

Or take any action related thereto,

*Requires a 2/3 Vote. Hear Finance Committee Recommendation:*



**ARTICLE 7:** To see if the Town will vote to amend the Town’s Zoning By-Laws, SECTION XII, SCHEDULE OF USES to add new uses for Tier 1, Tier 2 and Tier 3 Battery Energy Storage Systems, as follows:

	Use	Zoning Districts				Notes
		AG	R	B	LPWP	
5.16	Tier 1 Battery Energy Storage System	Y	Y	Y	Y	See Sections IX & XVI
5.17	Tier 2 Battery Energy Storage System	SP	N	N	N	See Sections IX & XVI
5.18	Tier 3 Battery Energy Storage System	SP	N	N	N	See Sections IX & XVI

Or take any other action relative thereto.

*Requires a 2/3 Vote. Hear Finance Committee Recommendation:*

**ARTICLE 8:** To see if the Town will vote to amend the Town’s Zoning By-Laws, SECTION XII, SCHEDULE OF USES by barring Ground Mounted Solar photovoltaic installations in the Long Pond Watershed Protection zone.

	Use	Zoning Districts				Notes
		AG	R	B	LPWP	
5.3	Ground Mounted Solar photovoltaic installations	SP	N	N	<del>SP</del> N	See Sections VIII & IX

Or take any other action relative thereto.

*Requires a 2/3 Vote. Hear Finance Committee Recommendation:*

**ARTICLE 9:** To see if the Town will vote to transfer the sum of \$26,637.60, or some other sum, from Account #0150145 000 Treasurer’s Salary to Account # 0150145 008 Treasurer/Collector Prof. Services to pay for contracted Treasurer Services, or take any other action relative thereto.

*Requires Simple Majority Vote. Hear Finance Committee Recommendation:*

**Given under our hands and the seal of the Town of Blandford this 28<sup>th</sup> Day of February, 2024.**

Blandford Select Board:

\_\_\_\_\_  
Cara Letendre

\_\_\_\_\_  
Ted Cousineau

\_\_\_\_\_  
Jeff Allen

I have served this warrant as directed:

\_\_\_\_\_  
Constable

\_\_\_\_\_