

**Local Law No. 3 of 2015, entitled:**

**"Solar and Wind Energy Facilities Law"**

BE IT ENACTED BY, the Town Board of the Town of Clinton as follows

1. Section 22 of Chapter 250 of the Code of the Town of Clinton ("Town Code") is hereby amended by removing Section 22 and replacing it with a revised section 22 which shall read as follows:

**§ 250-22 Accessory Structures.**

- A) Accessory Structures, as defined in this chapter, may not be located on any Residential Lot except as permitted in § 250-23, Measurement and use of Lots, and are subject to the following limitations. In no event shall these limitations apply to Ground Mounted Solar Energy Systems or to Ground Mounted Wind Energy Systems which shall be governed by § 250-49A.
  - 1) No such structure shall exceed 25 feet in height in any Residential District, except agricultural buildings.
  - 2) All Structures in the aggregate shall not exceed the maximum Building coverage as set forth in the Schedule of Area and Bulk Regulations, except for agricultural buildings.
  - 3) No such structure shall project closer to the fronting street than the Principal Building on the Lot, or the required Front Yard setback for the District, whichever shall be less restrictive.
  - 4) Not more than three such Accessory Structures, other than permitted signs or agricultural buildings on a Farm as defined herein, of which no more than one shall be a private garage, shall be permitted on a Lot in a Residential District, except where Lots are held in common ownership in accordance with § 250-42, Cluster development, residential.
  - 5) If any Accessory Structure is attached to a Principal Building or semi-detached therefrom, including attachment by means of a breezeway or a roofed passageway, it shall comply in all respects to the Area and Bulk Regulations of this chapter applicable to the Principal Building. No such Accessory Structure shall be constructed nearer to the front Lot Line than is permitted for the Principal Building or nearer to any side or rear Lot Line than the distance required in the Schedule of Area and Bulk Regulations, except as specifically provided elsewhere in this chapter.
  - 6) An Accessory Structure, other than for agricultural use, shall not be larger than the Footprint of the Principal Building on the Lot.

2. Section 105 of Chapter 250 of the Town Code is hereby amended by adding the following definitions which shall read as follows:

**GROUND MOUNTED** - Installed on or in the ground and not attached or affixed to any Structure.

**ROOF MOUNTED** – Installed on or connected to any Building or Structure.

**SOLAR ENERGY SYSTEM (“SES”)** – Shall mean either:

- A. An active solar energy system arrangement or combination of components designed to provide heating, cooling, hot water or electricity through the process of collecting solar radiation, converting it to another form of energy, storing the converted energy, protecting against unnecessary dissipation and distributing the converted energy. This term shall not include pipes, controls, insulation or other equipment which are part of the conventional heating, cooling, insulation or electrical system of a building; or
- B. A passive solar energy system arrangement or combination of components which relies upon the original or retrofitted design and elements of a building to enhance the use of natural forces including solar radiation, winds and night-time coolness to provide heating, cooling or hot water through the process of collecting solar radiation, converting it to another form of energy, storing the converted energy, protecting against unnecessary dissipation and distributing the converted energy. This term shall not include pipes, controls, insulation or other equipment which are part of the conventional heating, cooling or insulation system of the building; nor shall it include any expenditure allocable to a swimming pool used as a storage medium.

**WIND ENERGY SYSTEM (“WES”)** – An arrangement or combination of components, including power conditioning equipment, designed to provide electricity or mechanical energy through the process of converting wind energy into mechanical and/or electric energy, and storing or distributing such energy. The means of converting wind energy to electricity is accomplished by a mechanical wind generator, wind turbine, wind power unit, or wind energy converter, which are often generically referred to as a “wind generator” or “windmill”.

3. Section 20 of Chapter 250 of the Town Code is hereby amended by removing subsections A. and B. and replacing them with revised subsections A. and B. which shall read as follows:
- A. Flagpoles, radio or television antennas, transmission towers or cables, agricultural barns and silos, and similar features, any of which shall be restricted to a maximum height of 80 feet above average finished grade at its base, except as otherwise provided in § 250-44.
  - B. Spires, belfries, chimneys, skylights, water or cooling towers, parapets or railings, elevators, stair bulkheads, air conditioning units or similar structures which in their aggregate coverage occupy no

more than 10% of the roof area of the building of which they are an integral architectural or mechanical element. Such features shall be erected only to such minimum height as is necessary to accomplish the purpose for which they are intended, not to extend more than 20 feet above the roof or 20 feet above the maximum height allowed in the District, whichever is less restrictive. No Structure listed in this section shall be used as a place for habitation or for advertising not otherwise authorized by this chapter.

4. Chapter 250 of the Town Code is hereby amended by adding a new section which shall read as follows:

**§250-49A. Energy Facilities.**

- A) Purpose and objectives. The proliferation of Solar Energy Systems ("SES") and Wind Energy Systems ("WES") as environmentally friendly and cheaper energy alternatives are expected in the coming years and this equipment and the installation thereof must be reasonably regulated in order to protect the health, safety and welfare of the citizens of the Town and to the maximum degree possible, to coordinate and control the same to preserve and protect the aesthetic qualities of the Town and its neighbors. The Town recognizes the demand for SES and WES facilities and the need for the services they provide. This section regulates SES and WES installations to ensure that any proposed SES or WES is designed, located, and installed in accordance with sound planning by:
- 1) Promoting the health, safety and welfare of the residents of the Town.
  - 2) Minimizing the adverse visual effects of SES and WES on the Town.
  - 3) Protecting the natural features, aesthetics and rural character of the Town through careful planning, design, location, buffering, and screening.
  - 4) Avoiding potential damage to adjacent properties from falling or flying debris from SES and WES facilities through careful engineering and reasonable siting of SES and WES.
- B) The primary purpose of any SES or WES facility shall be to provide power for the Principal Use of the Lot whereon the facility is located and not for the generation of power for commercial purposes, and although this provision is not meant to be interpreted to prohibit the sale of excess power generated from time to time from a SES or WES otherwise designed to meet the energy needs of the Principal Use, in no event shall the total annual energy generation from any SES or WES facility exceed one-hundred ten percent (110%) of the energy demand for the Principal Use of the Lot whereon the facility is located for the same period.

- C) Notwithstanding any other provision of this chapter, the system rating for all SES facilities shall not exceed the following voltages:
- 1) Residential installation: 20kw
  - 2) Agricultural installation: 100kw
  - 3) Commercial installation: 200kw
- D) No SES or WES shall be located or operated so as to impede the function of any other pre-existing SES or WES facility or of any radio or microwave communication device.
- E) No SES or WES shall be located so as to reduce or impede the amount of sunlight that would fall on an adjoining Lot absent the SES or WES.
- F) Solar Energy Systems ("SES").
- 1) Roof Mounted SES facilities sited on Buildings and Structures used for purposes other than agricultural and one and two family residential Dwellings shall be permitted subject to site plan review and approval by the Planning Board.
  - 2) Roof Mounted SES facilities on Buildings and Structures used for agricultural purposes and one and two family residential Dwellings shall be permitted without the need for site plan review and approval by the Planning Board provided such facilities meet the following standards:
    - a) SES facilities on a peaked, gable, hip, or mansard roof shall meet the following requirements:
      - (1) Mounted parallel to and no more than six (6) inches above the roof surface;
      - (2) Located no less than three feet from the top or side edge of any part of the roofline; and
      - (3) Extend above the height of the roofline.
    - b) SES facilities on flat roofs having no parapet shall be located no less than three feet from the edge of any part of the roofline and no more than three feet above the height of the roof.
    - c) SES facilities on flat roofs with a parapet shall be located no less than three feet from the parapet and not extend above the height of the parapet.
    - d) The SES facility shall use dark tone non-reflective color tones for the framing supporting the solar panels.

- c) All utility services and electrical wiring shall be underground or shall be placed within the walls or within unobtrusive conduit and attached securely to the structure.
  - f) No signs, except for safety and signs required by any other governmental agency, are permitted.
- 3) Ground Mounted SES facilities located on premises used for any purpose shall be subject to site plan review and approval by the Planning Board.
- a) In addition all Ground Mounted SES facilities shall comply with the following requirements:
    - (1) Area and Bulk Regulations for Dwelling Units and Establishments for the Zoning District in which the Lot is located;
    - (2) Not permitted in any Front Yard and must be sited entirely behind the Front Building Line of the Principal Building on the Lot.
    - (3) No part of the SES shall exceed fifteen (15) feet in height above the finished grade of the site on which it is mounted when adjusted to the angle of maximum efficiency, as determined by a New York State registered professional engineer.
    - (4) Not exceed the gross square footage of the Principal Building's Footprint.
    - (5) Screened from adjacent properties to the extent practicable by fencing or a combination of berms, fencing, and evergreen and deciduous plantings. Plantings used for screening shall be of such a height and width, at the time of planting, so as to obscure the SES from adjacent properties. Plantings shall be maintained in a condition as approved by the Planning Board.
    - (6) No lights shall be affixed to the Ground Mounted SES.
    - (7) Electrical wiring from the Ground Mounted SES facility to the utility interconnection shall be located underground.
    - (8) The SES facility shall be removed once it is no longer in service.
- G) Wind Energy Systems ("WES").
- 1) Roof Mounted WES facilities are prohibited.
  - 2) Site plan review and approval by the Planning Board shall be required for any WES facility.
  - 3) Ground Mounted WES facilities shall be permitted subject to the following:

- a) **Ground Mounted WES facilities located on Lots of less than one-half (0.5) acre are prohibited.**
- b) **Ground Mounted WES facilities on any Lot of any size in the Hamlet (H), the Residential Hamlet (RH), the Medium Density Residential (MR1), and the Clustered Residential (CR1) Zoning Districts, and on any Lot in any Zoning District of one half acre (0.5) acre up to one (1) acre in size are permitted provided the overall blade length (i.e. radius) shall not exceed three (3) feet.**
- c) **Ground Mounted WES facilities on a Lot of greater than one acre in size may exceed a blade length (i.e. radius) of three (3) feet provided such lot is not located in the Hamlet (H), the Residential Hamlet (RH), the Medium Density Residential (MR1), or the Clustered Residential (CR1) Zoning Districts.**
- d) **Anchor points for guy wires for the WES tower shall be located within the Lot and not on or across any aboveground electric transmission, distribution or cable line.**
- e) **Each WES system shall be equipped with both manual and automatic controls to limit the rotational speed of the blade below the design limits of the rotor. The application for site plan approval shall include a statement by a New York State registered professional engineer certifying that the rotor and over speed controls have been designed and fabricated for the proposed use in accordance with good engineering practices. The engineer shall also certify the structural compatibility of potential towers with available rotors. This certification shall include the distance and trajectory of the thrown blade from an exploding turbine or propeller according to the "Loss of Blade Theory".**
- f) **The base of the tower shall be completely enclosed by a locked, protective fence of at least six feet in height. The Planning Board may require additional security measures as it may deem necessary to prevent unauthorized access to the tower including measures to prevent persons from climbing the tower. Plantings shall be maintained in a condition as approved by the Planning Board.**
- g) **Ground Mounted WES facilities shall not exceed the maximum allowable height for a Dwelling Unit or Establishment for the Zoning District in which the Lot is located. No variance shall be granted in connection with any Ground Mounted WES to permit a height greater than the maximum allowable height for a Dwelling Unit or Establishment in the Zoning District in which the Lot is located, or to allow the placement of any WES nearer to an adjoining Lot or Building than the required minimum setback.**

- h) **Ground Mounted WES facilities are prohibited in any Front Yard and shall be located behind the Front Building Line of the Lot's Principal Building.**
  - i) **Ground Mounted WES facilities shall be located only in a Side Yard or Rear Yard and shall be set back from the Lot Line no less than 1.5 times the height of the support tower. Siting of Ground Mounted WES facilities within the Rear Yard is strongly encouraged. In addition the following requirements shall be satisfied:**

    - (1) **All utility services and electrical wiring shall be underground.**
    - (2) **No television, radio or other communication antenna may be affixed or otherwise made a part of a WES.**
    - (3) **No lights shall be affixed to a WES.**
    - (4) **The WES and its location on the property shall be designed to limit its visual impact on surrounding properties, and to minimize noise from the WES to adjacent and nearby properties.**
    - (5) **Any equipment associated with the WES shall be screened from adjacent properties to the extent practicable by fencing or a combination of berms, fencing, and evergreen and deciduous plantings. Plantings used for screening shall be of such a height and width, at the time of planting, so as to obscure the WES from adjacent properties. Plantings shall be maintained in a condition as approved by the Planning Board.**
    - (6) **No signs, except for safety and signs required by any other governmental agency, are permitted.**
    - (7) **The WES facility shall be removed once it is no longer in service.**
- H) **In its review of an application for approval of an SES or WES facility the Planning Board is authorized to require such additional information as it may deem necessary to properly evaluate the potential visual and public health effects of the SES or WES facility including, but not limited to:**
- 1) **Photo simulation of the proposed SES or WES facility, with the baseline pictures taken from locations approved by the Planning Board;**
  - 2) **Structural analysis as to the adequacy of the equipment and structures necessary to support the SES or WES facility; and**

- 3) Noise assessment pursuant to New York State Department of Environmental Conservation guidance document "Assessing and Mitigating Impacts", as amended.
- I) If a SES or WES facility ceases to perform its originally intended function for more than twelve (12) consecutive months, the property owner shall remove the SES or WES facility as well as its attendant equipment and structures no later than 90 days after the end of the twelve (12) month period. Failure to remove a SES or WES facility within said period shall constitute a Zoning Violation under chapter 137 of the Town Code.
- J) If any section, subsection or specific part or provision or standard of this Local Law or the application hereof to any person or circumstance be adjudged invalid by any court of competent jurisdiction, such section, subsection or specific part or provision or standard shall be deemed a separate, distinct and independent provision and such judgment shall not affect the validity of the remaining portions thereof.
- K) To the extent that any provision of this chapter is inconsistent with Town Law §§ 263, 274-a, 274-b or any other provision of Article 16 of the Town Law, or of the Energy Law, or of Real Property Law, the provisions of this chapter are expressly intended to and do hereby supersede any such inconsistent provisions under the Town's municipal home rule powers, pursuant to Municipal Home Rule Law §10(1)(ii)(d)(3); §10(1)(ii)(a)(14) and §22 to supersede any inconsistent authority.
- L) This Local Law shall take effect immediately upon filing with the Secretary of State.