



QUANTUM DPI GROUP INC
PROPOSED SPRINGFIELD CENTER SOLAR FARM
158 County Highway 29A
Springfield Center, NY 13468

APPENDIX TO THE FEAR

MAY 20, 2026

Prepared for:
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Springfield Center Solar LLC

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ENVIRONMENTAL NOTES

1. Impact on Land:

The Applicant considers that there is an impact due to the installation of solar modules on 15% slopes, but considering this is less than 3% of the total installed capacity and that mitigation measurements (see Attachment 10 – SWPPP, section 2.13, Rolled Erosion Control Product -RECP-) have been provided the impact can only be considered as SMALL IMPACT.

- a. Water Table: the Geotechnical Study of this proposed project (Attachment 9), prepared by CEM Associates, confirms that groundwater or wet soils are well below 3 feet. No impact.
- b. Construction on >15% slopes: The Applicant is proposing to install solar modules on 15% slopes in less than 3% of the proposed solar area. The Applicant is proposing mitigating measurements as described in Attachment 10 - SWPPP.
- c. Bedrock exposed or within 5 feet of existing ground surface: the Geotechnical Study of this proposed project (Attachment 9) confirms that bedrock is well below the 5 feet. No impact.
- d. Removal of more than 1,000 tons of natural material: the Applicant confirms that there will be the construction of the proposed solar farm will produce minimal physical alteration of the land surface on the proposed site: except some minimal grading in punctual areas of the access road, there will be no grading on the solar farm area. The excavation will not be above the 1,000 tons. No material will be removed from the site. No impact.
- e. Construction for more than one year: the Applicant confirms that under normal circumstances, the construction will be completed within 5 to 8 months, in one single phase. No impact.
- f. Increased erosion (including treatment by herbicides): following the measurements described in the SWPPP (Attachment 10), the runoff will decrease and therefore the erosion. The Applicant confirms that no herbicides will be used. No impact.
- g. Location on Coastal erosion hazard area: the Applicant confirms that the proposed project is not located on a Coastal erosion hazard area. No impact.
- h. Other impacts: No other impacts on land.

2. Impact on Geological features:

The Applicant confirms that the proposed solar farm will not modify, destruct, or inhibit the access to, any unique or unusual landforms on the site (e.g. cliffs, dunes, minerals, fossils, caves).

The Applicant considers that there is NO IMPACT on geological features.

3. Impacts on Surface water:

The Applicant considers that there is an impact on wetlands and freshwaters as construction is being proposed to cross two streams. The Applicant is seeking approval from the NYSDEC and USACE via a Joint Application and a Nationwide permit. Considering the total affected area is less than 0.01 acres (as per USACE requirements) and mitigation actions have been provided; the Applicant considers the impact can only be considered as SMALL IMPACT.

- a. New water body: the Applicant confirms that the proposed project will not create a new water body

- b. Increase or decrease over 10% of any body of water: the Applicant confirms that the proposed project will not increase or decrease over 10% or more than 10 acres in the surface of any body of water. No impact.
- c. Dredging more than 100 cubic yards of material: the Applicant confirms that, if any, there will be no dredging of more than 100 cubic yards of material from a wetland or water body. No impact.
- d. Construction within or adjoining a freshwater or tidal wetland: Yes, but less than 0.01 acres and mitigation actions have been proposed by the Applicant. Small impact.
- e. Turbidity in a waterbody: the Applicant confirms that there will be no turbidity in a waterbody. No impact.
- f. Intakes for withdrawal of water: the Applicant confirms that there will be no intakes for the withdrawal of water from surface water. No impact.
- g. Outfalls to discharge of wastewater: the Applicant confirms that there will be no outfalls for discharge of wastewater. No impact.
- h. Soil erosion that may lead to siltation or other degradation: the SWPPP submitted by the applicant provides different mitigation measures to prevent soil erosion during construction and post-development. No impact.
- i. Water quality within or downstream: the Applicant confirms that the proposed project will not affect the water quality within or downstream. No impact.
- j. Pesticides or herbicides: the Applicant confirms that no pesticides or herbicides will be used. No impact.
- k. New or expansion of wastewater treatment facility: The Applicant confirms that no new or expansion of an existing wastewater treatment facility will be built. No impact.
- l. Other impacts: small fractions of wetlands, crossing two streams will be impacted. The Applicant has already provided mitigation actions. No impact.

4. Impact on Groundwater:

The proposed action does not include or require wastewater discharged to groundwater. The Applicant confirms that the proposed solar farm will not result in new or additional use of ground water or have the potential to introduce contaminants to ground water or an aquifer.

The Applicant considers that there is NO IMPACT on groundwater.

5. Impact on Flooding:

The Applicant confirms that the proposed solar farm will not result in development on lands in a designated floodway, within 100- or 500-year floodplain, will not require modification of existing drainage patterns, will not change flood water flows and there is no dam located on the site.

The Applicant considers that there is NO IMPACT on flooding.

6. Impacts on Air:

The Applicant confirms that the proposed solar farm will not include a state regulated air emission source and therefore, the proposed solar farm has no impact on air.

The Applicant considers that there is NO IMPACT on air.

7. Impacts on Plants and Animals:

The Applicant acknowledges that the proposed project may have an impact on plants and animals in general. Nevertheless, the purpose of EAF Part 2, section 7, is on threatened and endangered species, or species of special concern or conservation need. From that optics, the Applicant states that there is no impact as it is confirmed by the T&E Species report conducted by CT Male Associates (Attachment 8).

The Applicant that no herbicide or pesticide will be used.

The Applicant considers that there is NO IMPACT on plants and animals.

8. Impact on Agricultural resources:

Impacts on agriculture resources will be mitigated by the plan for restoration of soil when decommissioning of the project occurs. Additionally, and quite important, the Applicant will not remove the natural topsoil during the construction or the operation of the proposed solar farm. Other impacts, if any, will be temporary and limited or small.

The Applicant considers the impact can only be considered as SMALL IMPACT.

- a. Impact on soil group 1 through 4 of the NYS Land Class: Yes, but only temporarily and mitigated by the fact that the soil will be restored after decommissioning. Small impact.
- b. Sever, cross or limit access to agricultural land: the Landowner has confirmed that the proposed solar farm will not sever, cross or limit the access to agricultural land. No impact.
- c. Excavation or compaction of soil: the Applicant confirms that no excavation or compaction of the natural topsoil. No impact.
- d. Irreversibly convert agricultural to non-agricultural. The Applicant confirms that the lands will be restored to the original conditions after the decommissioning of the solar farm. Unlike conversion to residential or commercial development, agricultural land can be reverted to farming. No impact.
- e. Disrupt or prevent agricultural land management system. The landowner has confirmed that no land management system was in place or in consideration for the proposed areas. No impact.
- f. Pressure on farmland: the landowner has confirmed that there will be no pressure on farmland due to the proposed solar farm. No impact.
- g. Not consistent with municipality plans. The proposed solar farm is consistent with the Town of Springfield solar law. No impact.
- h. Other impacts: No other impacts on agricultural resources.

9. Impact on Aesthetic resources:

The Applicant confirms that the proposed solar farm will result in no impact on aesthetic resources. The proposed action will not be visible from any officially designated aesthetic resource, will not obstruct, eliminate or screen officially designated scenic view and will not be visible, or hardly visible, from publicly accessible vantage points or routine travel by residents.

The Applicant considers that there is NO IMPACT on aesthetic resources.

10. Impact on Historic and Archaeological resources:

The Applicant is not aware of any historic or archaeological resources close to the proposed solar farm. Nevertheless, the Applicant entered conversations with the SHPO department, who provided a Clearance Letter (Attachment 18).

The Applicant considers that there is NO IMPACT on historic and archaeological resources.

11. Impact on Open space and recreation:

The Applicant confirms that the proposed solar farm will not result on reduction of open spaces or recreational areas.

The Applicant considers that there is NO IMPACT on open space and recreational areas.

12. Impact on Critical environment areas:

The Applicant confirms that the proposed solar farm will not impact on critical environment areas.

The Applicant considers that there is NO IMPACT on critical environment areas.

13. Impact on Transportation:

The Applicant confirms that the proposed solar farm will not result in a change to existing transportation systems as the proposed project will not construct paved parking area for 500 or more vehicles, will not degrade existing transit access, will not degrade existing ped or bicycle accommodations and will not alter the present pattern of movement of people or goods.

The Applicant considers that there is NO IMPACT on transportation.

14. Impact on Energy:

The Applicant confirms that the proposed solar farm will not cause an increase in the use of any form of energy. Actually, the opposite, the proposed project will generate clean, renewable energy and will help to stabilize the electrical grid of the area operated by National Grid.

The Applicant considers that there is NO IMPACT on energy.

15. Noise, Odor and Light:

The Applicant confirms that the proposed solar farm will not result in an increase in odor or outdoor lighting.

In relation to noise during operation, the Applicant prepared a Noise Study submitted as Attachment 12. The conclusion is that there will be no noise increase in the neighbourhood during the operation of the solar farm.

In relation to the noise during construction, the Applicant is submitting Exhibit A to this letter. The conclusion is that there will be some noise during construction (corresponding to the driving/ramming of the structures) but will not be above existing ambient noise levels and only for a limited period estimated in three months.

The Applicant considers that there is NO IMPACT on odor, light and noise during operation and the impact on noise during construction can only be considered as SMALL IMPACT and for a limited period of time.

16. Impact on Human Health:

The Applicant confirms that the proposed solar farm will not have an impact on human health from exposure to new or existing sources of contaminants.

The area used for the installation of the solar modules will be fenced in properly, with visible no trespassing and warning signage. Due to the way the project is embedded into pre-existing nature and in combination with all the safety and aesthetic measures taken, it is the Applicant's views that the project does not expose to hazardous substances and does not create a hazardous situation.

In relation to adequate control measures, the operation of a community solar farm is entirely safe, not creating more risk than an average residential or commercial rooftop solar project. When comparing with hazardous materials and equipment, as a matter of fact, an average household usually contains objects more harmful than a solar project. Electricity from solar panels and transmission to the power grid emits very low, weak electromagnetic fields. Comparing again the electromagnetic fields of the equipment of an average home, an average household usually has much higher and stronger electromagnetic fields than a solar project.

Exposure to low-level electromagnetic fields has been studied extensively, and there is no evidence that it is harmful to human health, according to the World Health Organization (WHO).

According to the Applicant's common practice and in compliance with the Town of Malone Solar ordinance, the Applicant is aiming to enter into a decommissioning agreement with the Town. The decommissioning agreement is the common tool to ensure that a solar farm gets decommissioned properly and in accordance with environmental laws. Financial security arrangements are put in place in relation to decommissioning liabilities.

During the decommissioning of the site, the solar modules and inverters will be removed from their mounting systems, packaged on wooden pallets, and secured by plastic wrap and lashings before being loaded onto a flatbed truck or into a shipping container and then transported to a recycling facility where it will be property reclaimed or recycled. Please refer to Attachment L submitted within the June 23, 2023, package.

It is important to note that the Applicant is proposing to install crystalline solar modules, no thin film modules. Crystalline solar modules are sealed to prevent weathering and do not use hazardous materials covered by the OSHA Hazard Communication Standard.

The Applicant considers that there is NO IMPACT on human health.

17. Impact on Consistency with community plans:

The Applicant confirms that the proposed solar farm is consistent with the community plans.

The proposed project will be very well screened by trees as described in a previous bullet point; there will be no sharp contrast to current surrounding land use patterns.

The proposed solar project is consistent with the requirements of the Town of Springfield solar law.

The Applicant considers that there is NO IMPACT on the consistency with community plans.

18. Impact on Consistency with community character:

The Applicant confirms that the proposed solar farm is consistent with the community character. As mentioned in previous sections, the proposed project is well screened with trees and will not be visible from public access points.

The proposed project will not replace, or eliminate existing facilities, structure or areas of historic importance to the community.

The proposed project will not create demand for additional community services.

The proposed project will not displace affordable or low-income housing in an area where there is a shortage of such housing.

The proposed project will not interfere with the use or enjoyment of officially recognized or designated public resources.

The proposed project is consistent with the predominant architectural scale and character.

The proposed project is consistent with the character of the existing natural landscape, as the proposed solar project will be viewshed to the highest degree possible, therefore it cannot be inconsistent with the character of the existing natural landscape. Wherever necessary, the Applicant will be placing evergreen trees.

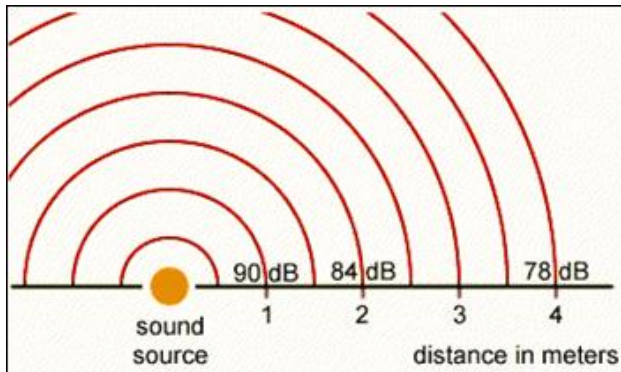
The Applicant considers that there is NO IMPACT on the consistency with community character.

EXHIBIT A: NOISE DURING CONSTRUCTION

The noisiest factor during the construction of a solar farm is the driving/ramming of the structure. Taking as an example a Pauselli MOD.900 machine (see picture and specs below), the maximum expected noise emitted by the solar pile driver in operation is 85 dBA.

**MOD. 900**

TECHNICAL DATA	UNIT	VALUE
DIESEL ENGINE DEUTZ D2011L03 AIR-OIL COOLED 3 CYLINDERS	kW - (hp)	36,3 - (48)
HYDRAULIC HAMMER INDECO HP 900 – IMPACT ENERGY	Joule	1.200
HAMMER WEIGHT	kg	550
NUMBER OF BLOWS PER MINUTE	n/min	570 - 1.180
POST DRIVING CAPACITY	mm	200 x 180 x 4.100h
MAX NOISE	dBA	85
HYDRAULIC OIL TANK CAPACITY	l	200
DIESEL TANK CAPACITY	l	100
FIRST SPEED	km/h	3,5
SECOND SPEED	km/h	7
TRANSPORT DIMENSION	mm	2.400 x 2.200 x 2.250h
TOTAL WEIGHT	kg	3.900
OPTIONALS:		
DIESEL KUBOTA ENGINE MOD. V2403/M WATER COOLED, 4 CYLINDERS, kW 36,5 (hp 48,9)		
DOUBLE - EXTENSION COLUMN AND DOUBLE POSITIONING OF THE HAMMER HOLDER WITH MAX. EXTENSION UP TO 4.600 mm		

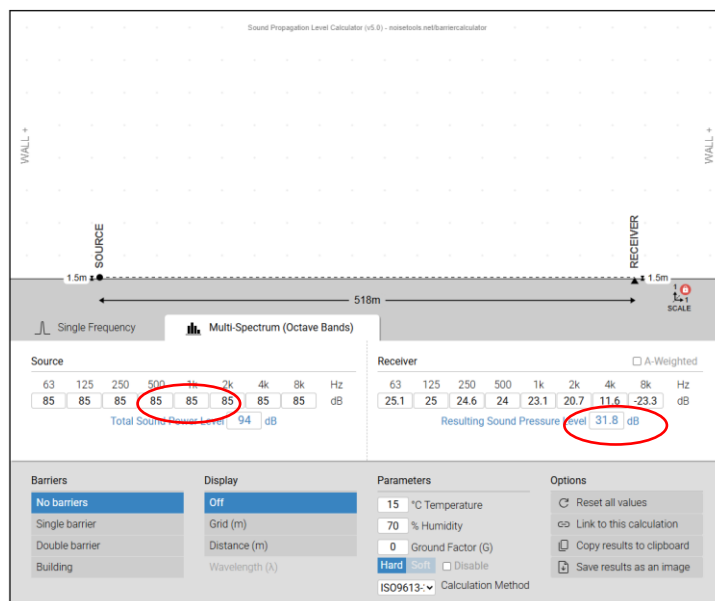


As a principle of physics, the sound pressure level decreases 6dB each time the distance from the point is doubled.

Sound Pressure Level Decreases 6dB – with the Doubling of Distance from the Sound Source

Source: <https://www.enoisecontrol.com/acoustic-terminology/doubling-distance-noise-reduction-decibel/>

If a point source in a free field produces a sound pressure level of 90 dB at a distance of 1 meter, the sound pressure level is 84 dB at 2 meters, 78 dB at 4 meters, and so forth. This principle holds true regardless of the units used to measure distance.



The nearest residence at Springfield Center Dr to any of the structure is **1,700 ft** (518 meter) away from the nearest structure located. Considering a multi-spectrum (octave bands) at 85 dB at all frequencies (so, very conservative approach), the sound pressure that a person would perceive at **1,700 ft** would be approximately **32 dBA**.

For comparison purposes, the noise level of a quiet library is 40 dB.

Source: <https://noisetools.net/barriercalculator>