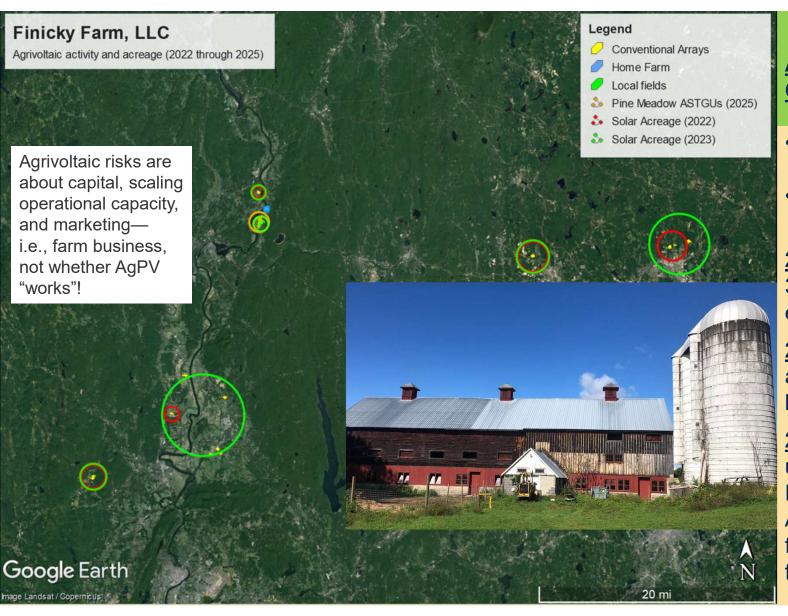
AGRIVOLTAICS: OUR PERSPECTIVE



Sustainably growing food since 1998. Transitioning to the second generation. Specializing in agrivoltaics to fight the climate crisis.





Agricultural, Family & Conservation Goals

- Transition land to more regenerative farming
- Support renewable energy

2021: 2 arrays, 25 acres, 30 ewes, <0.5 FTE evenings and weekend

2023: 11 arrays, 175 acres, 90 ewes, ~120 lambs, 1+ FTE

2024-2025: 225+ acres under management, 1-2+ FTE, hay production, ASTGU construction, prep for initial vegetable and fruit crops

Watch us farm on Instagram & Facebook:
@finickygrazing













AGRIVOLTAICS ARE AGRICULTURE

· Agriculture is exempt from special permits and cannot be prohibited or unreasonably regulated. (MGL c. 40A, §3)

· Agrivoltaics are required to be treated as

- agriculture for zoning. (MGL c. 61A, §2A (d)): "Renewable energy generating sources located on land used primarily and directly for agricultural purposes ... shall be subject to the provisions afforded to land used for agriculture under section 3
- Northfield's zoning bylaw specifically permits all uses "protected or exempt pursuant to MGL c. 40A, §3, or other state law" thus recognizing the authority of other state laws (including 61A) to restrict zoning.
- Northfield's zoning bylaw specifically recognizes and allows additional agriculturally-related uses on a farm by right – in addition to those exempted under MGL c. 40A, §3.



of chapter 40A."





ecode360.com/print/NO3951?guid=34209420

§ 200-5.3. Permitted in all districts.

The following uses are permitted in all districts:

- A. Federal government use.
- B. State government uses to the extent that this Zoning Bylaw would prohibit the exercise of an essential government function. [Amended 1-24-2022 STM by Art. 16]
- C. Uses to the extent protected or exempt pursuant to MGL c. 40A, § 3, or other state law.

§ 200-5.4. Schedule of Uses.

[Amended 12-10-2018 STM by Art. 3]

Table 1 Legend:

- Y: Permitted by right
- N: Prohibited use
- SP: Allowed by special permit from the Zoning Board of Appeals
- PB: Allowed by special permit from the Planning Board

	Table 1. Sched	Table 1. Schedule of Uses		
	RA	RAF		
A. Agriculture, Conservation, Recreation Uses				
Agriculture	Y	Υ		
Agriculturally related uses on a farm (§ 200-9.5)	Y	Υ		
Greenhouse	Y	Υ		
Conservation, wildlife preserve	Y	Y		
Camp for children and youth, day or overnight	PB	PB		
Campground	PB	PB		
Boathouse, ski tow, golf course, driving range	SP	SP		
Recreation-affiliated business (§ 200-9.6)	N	N		

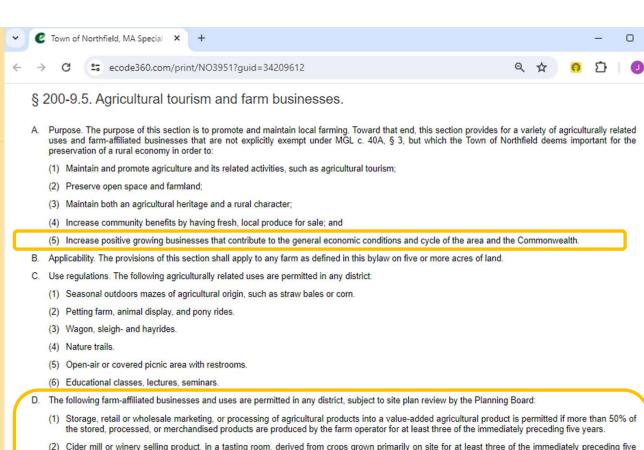
§200-9.5: FARM BUSINESSES

"The purpose of this section is to promote and maintain local farming [by allowing] a variety of agriculturally related uses and farm-affiliated businesses that are not explicitly exempt under MGL c. 40A, § 3, but which the Town of Northfield deems important for the preservation of a rural economy"

ALLOWED IN ANY DISTRICT WITH SITE PLAN REVIEW (NO SPECIAL PERMIT):

- Value-added processing
- Commercial kitchen, cannery or copacking facility
- Parking for 20 or more vehicles
- Gift shop for the sale of agricultural products and agriculturally related products





- (2) Cider mill or winery selling product, in a tasting room, derived from crops grown primarily on site for at least three of the immediately preceding five years.
- (3) Historical agricultural exhibits.
- (4) Gift shop for the sale of agricultural products and agriculturally related products.
- (5) Designated parking for 20 or more vehicles.
- (6) Commercial or cooperative kitchen, cannery, or copacking facility.
- E. The following uses are allowed only by special permit from the Planning Board:
 - (1) Bed-and-breakfast
 - (2) Restaurant related to the agricultural use on the site.
 - (3) Non-agriculturally related uses, such as small-scale entertainment venue or organized meeting space made available for rent for weddings, corporate picnics, birthday parties, and the like.

AGRIVOLTAICS COMPARED TO OTHER AGRICULTURAL BUSINESSES

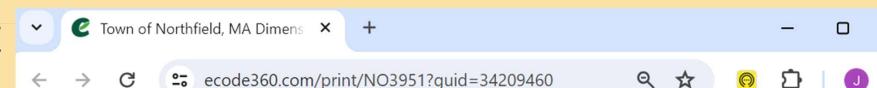
- Less traffic
- Similar or less visual impact
- Similar or less environmental impact
- Similar or less noise impact



§200-7.1: DIMENSIONAL REQUIREMENTS

RA DISTRICT

- 25' min setbacks
- 35' max building height



§ 200-7.1. Schedule of Dimensional and Density Regulations.

No building or structure in any district shall be located, constructed, changed, enlarged or permitted and no use of premises or land in any district shall be permitted which does not conform to the density and dimensional regulations as set forth herein.

Table 2. Table of Dimensional and Density Regulations							
Requirement	RA	RAF	VC	PD	RT		
Minimum lot area (square feet)	50,000	100,000	35,000	100,000	100,000		
Lot served by municipal sewer (square feet)	35,000	N/A	35,000	80,000	N/A		
Minimum lot frontage (feet)	150	250	150	250	150		
Minimum lot depth (feet)	200	300	200	300	200		
Minimum front, side, and rear setbacks (feet)	25	25	25	25	25		
Maximum building height (feet)	35	35	35	35	40		



§200-3.5: SITE PLAN REVIEW

BOTH AGRICULTURAL AND SOLAR USES ARE PROTECTED UNDER MGL C. 40A, § 3

 Site plan review of agriculture and solar is limited to matters "necessary to protect the public health, safety or welfare."

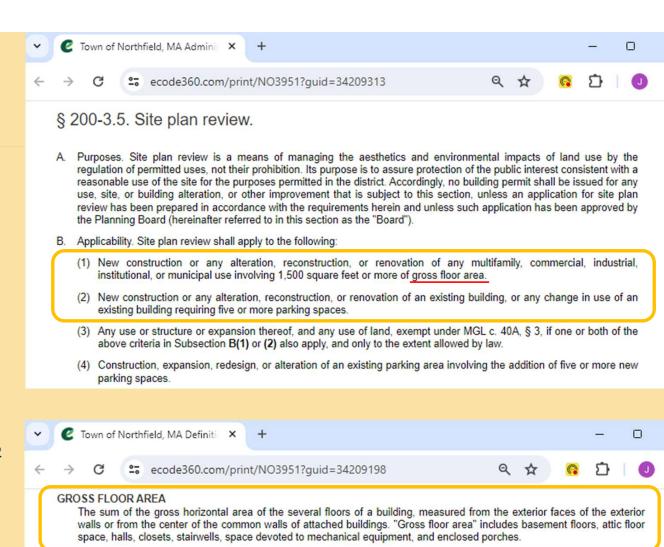
APPLICABILITY OF NORTHFIELD'S SITE PLAN REVIEW IS FURTHER LIMITED:

- 1,500 s.f. or more of gross floor area
- 5 or more parking spaces

THE PROPOSED AGRIVOLTAIC PROJECT IS

NOT SUBJECT TO SITE PLAN REVIEW

UNDER NORTHFIELD'S ZONING BYLAW





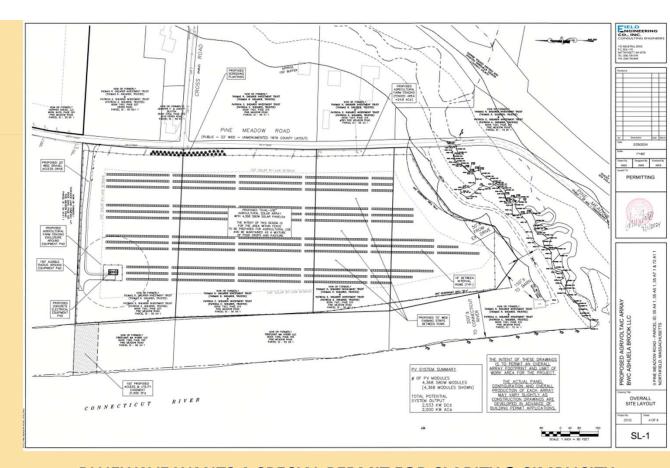
NEXT STEPS

PLANNING BOARD DECISION:

- Prioritize supporting agrivoltaic farmers
 OR
- ➤ Prioritize "fighting big solar"

THINGS TO CONSIDER:

- What agrivoltaic design features should be prioritized in the real world?
- What purpose does screening serve?
- What purpose do setbacks serve?
- Does insistence on poorly-defined "comparable crops" serve Northfield's interests? The farmers' interests?
- How should the ASTGU Guideline be interpreted by MDAR and DOER?



BLUEWAVE WANTS A SPECIAL PERMIT FOR CLARITY & SIMPLICITY

PLANNING BOARD CAN USE ZONING FLEXIBILITY TO IMPROVE DESIGN



ASTGU Guideline: https://www.mass.gov/info-details/smart-guideline-regarding-the-definition-of-astgu