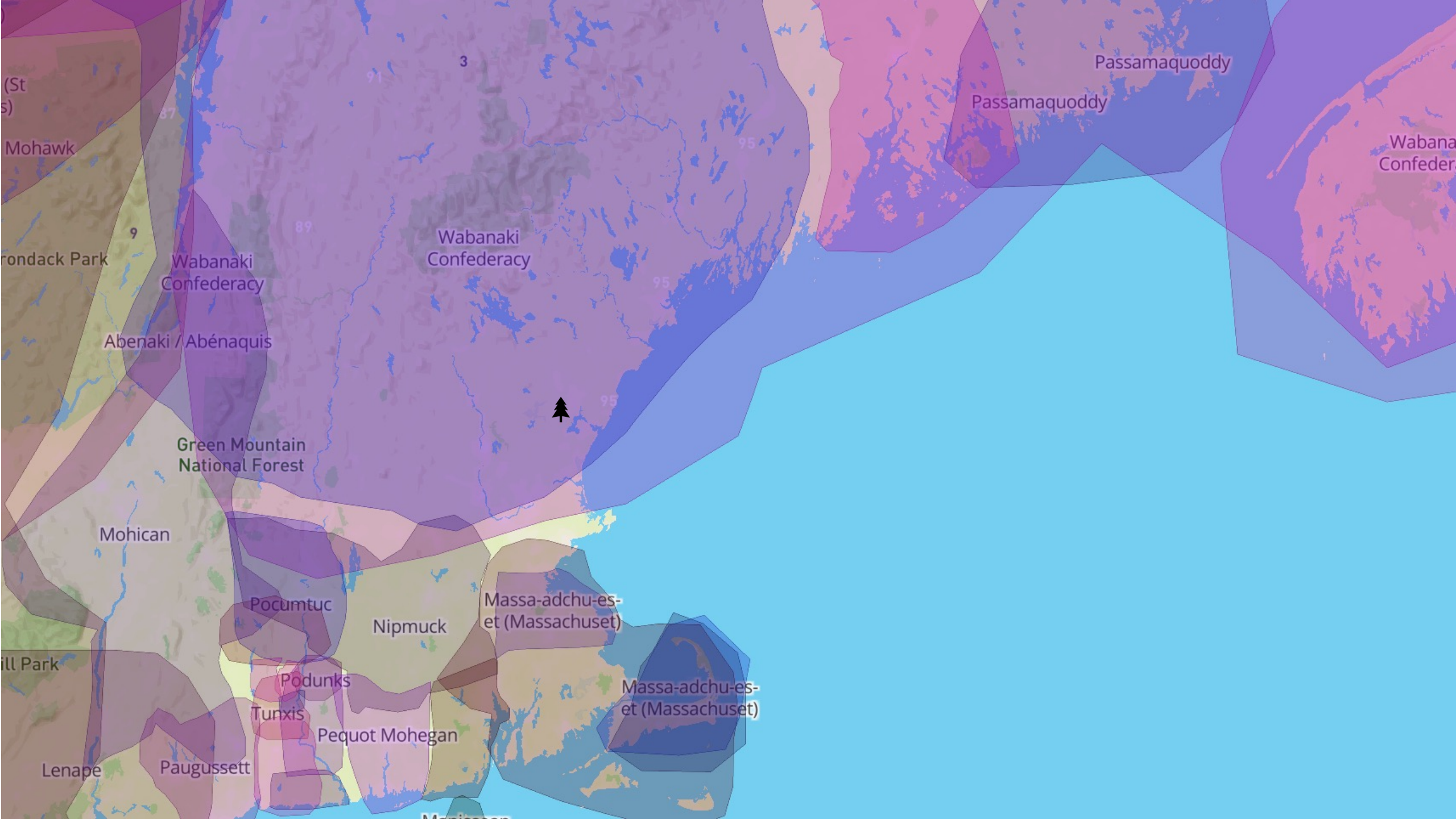




It Takes a Region to be Resilient







A close-up photograph of several sunflowers in a field. The sunflowers have bright yellow petals and dark brown centers. The background is a clear, bright blue sky. The sunflowers are in various stages of bloom, with some fully open and others still budding.

Food Solutions New England Network Vision

Food Solutions New England envisions a powerful food movement that democratically transforms New England's food system so that it is sustainable, just, and resilient.



FSNE Network Mission

We unite the food system community around a shared set of values – democratic empowerment, racial equity & dignity for all, sustainability, and trust – and strengthens the movement's ability to achieve New England Food Vision goals.

Shared FSNE Network Values

Democratic
Empowerment

Racial Equity &
Dignity for All

Sustainability

Trust



Our Regional
Food Movement
Aligns & Grows for
Transformative
Impact



New England Food Vision

New England Food Summits & Convenings

Network Leadership Institute

21-Day Racial Equity Challenge

Racial Equity Ambassadors

Visionary Policy Coordination

Strategic Narrative & Communications

FSNE Pledge



A six-state network building a just, sustainable and resilient food system that works for everyone in our region.



A New England Food Vision



- *Healthy Food for All*
- *Sustainable Farming and Fishing*
- *Thriving Communities*



Wildlands and Woodlands



Farmlands and Communities

Broadening the Vision for New England



NEW ENGLAND FOOD VISION

At least 50% of our food is produced in the region by 2060

Sustainable farming & fishing

Healthy food for all

Racial equity & food justice

Thriving communities





	SERVINGS	CALORIC INTAKE
1 Vegetables (mix)	1.6 cups	4%
2 Fruit—cool climate	0.4 cup	1%
3 Fruit—warm climate	0.3 cup	1%
4 Whole grains	0.7 oz	3%
5 Refined grains	6.9 oz	18%
6 Protein-rich plants	0.6 oz	3%
7 Meat, fish, eggs	7.1 oz	23%
8 Dairy	1.5 cups-eq	10%
9 Added fats	2.2 oz	19%
10 Discretionary calories <i>added sugar, alcohol, misc</i>	500 cal	18%



	SERVINGS	CALORIC INTAKE
1 Vegetables (mix)	3 cups	7%
2 Fruit—cool climate	1 cup	4%
3 Fruit—warm climate	1 cup	5%
4 Whole grains	3.75 oz	11%
5 Refined grains	3.75 oz	15%
6 Protein-rich plants	1.6 oz	7%
7 Meat, fish, eggs	5.2 oz	15%
8 Dairy	1.5 cups-eq	9%
9 Added fats	1.1 oz	12%
10 Discretionary calories <i>added sugar, alcohol, misc</i>	350 cal	15%



	SERVINGS	CALORIC INTAKE
1 Vegetables (mix)	3 cups	7%
2 Fruit—cool climate	2 cups	8%
3 Fruit—warm climate	0 cups	0%
4 Whole grains	3.75 oz	11%
5 Refined grains	3.75 oz	15%
6 Protein-rich plants	2.6 oz	11%
7 Meat, fish, eggs	3.3 oz	9%
8 Dairy	1.5 cups-eq	9%
9 Added fats	1.4 oz	15%
10 Discretionary calories <i>added sugar, alcohol, misc</i>	335 cal	15%

Figure 6. Comparing Diet Patterns

The **Current Diet table** is based on food availability and loss data. It

estimates the number of daily servings per person for food and beverage categories such as vegetables and fruits, amounting to 2,830 calories. The Omnivore's Delight pattern is informed by USDA MyPlate guidelines for a person consuming 2,300 calories, except that dairy consumption is lower, as recommended by Harvard's Healthy Eating Plate. The

Regional Reliance pattern also follows USDA guidelines but with more plant-based proteins, and regional fruit completely replaces imported fruit. The pie charts of each pattern depict the percentage of calories provided by the various food categories, and highlight the dramatic increase in nutrient-dense vegetables, fruits, whole grains, and protein-rich beans in the Omnivore's Delight and Regional Reliance diets alongside the corresponding decrease (but not disappearance) of meat, added fats, and discretionary calories.

Farmland in New England

in thousands of acres

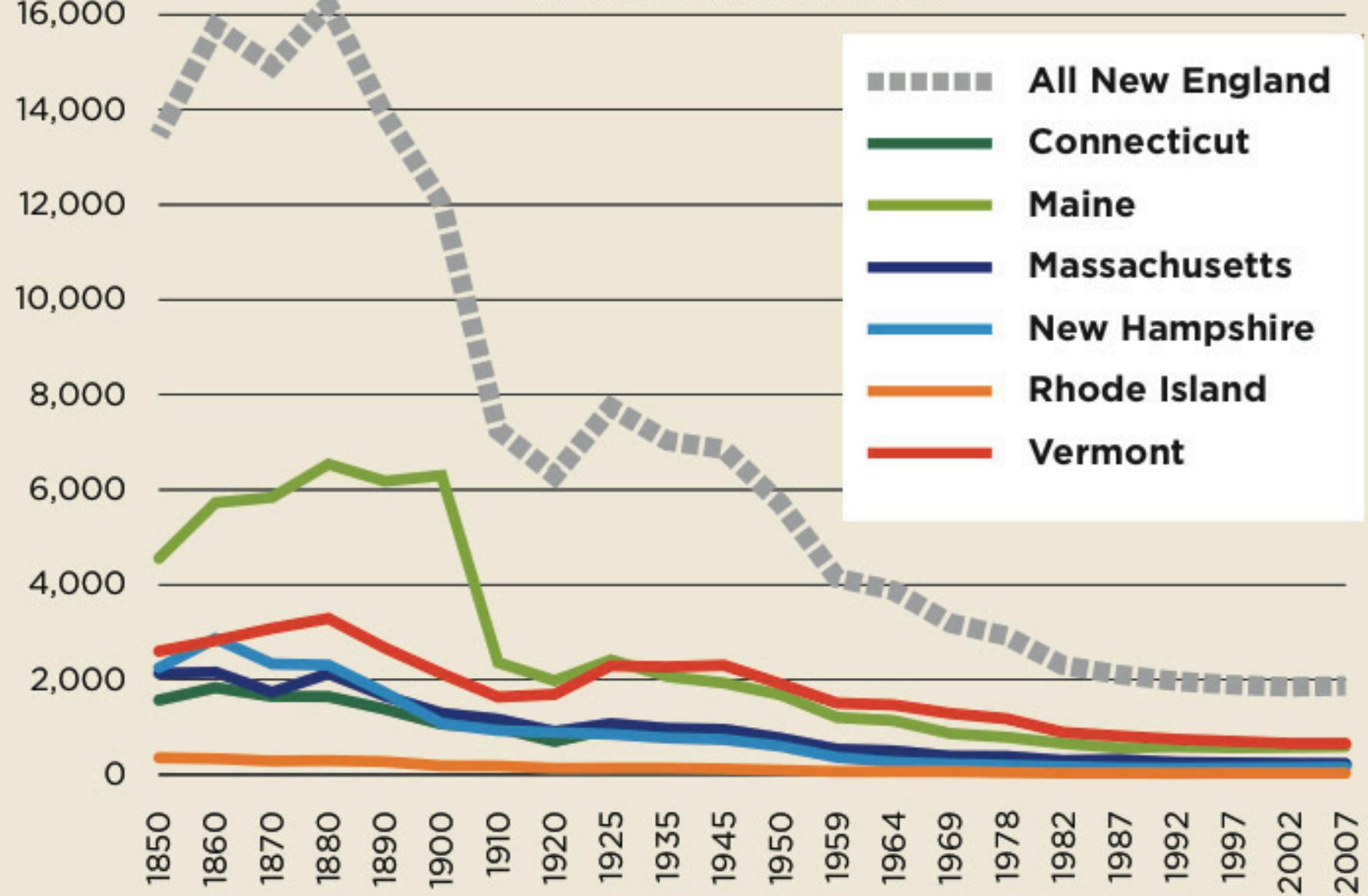
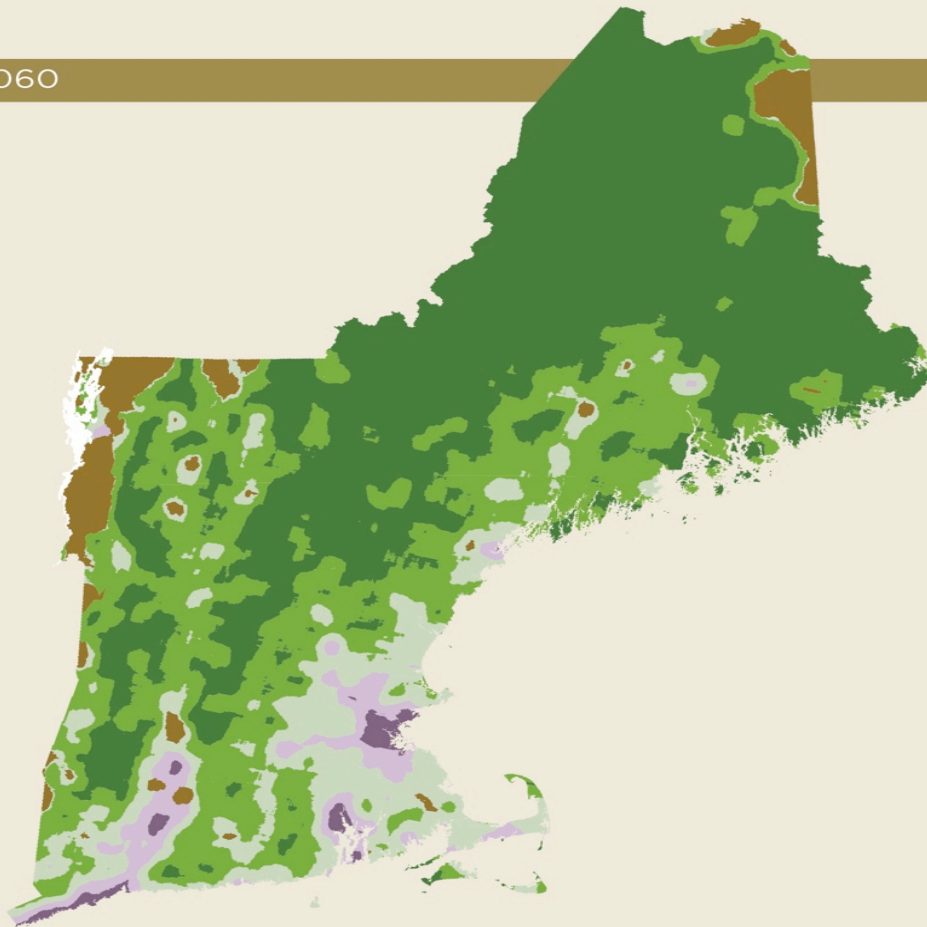







Figure 7. New England Farmland 2060

Farmland, developed land, and forest are found in a range of mixtures across the landscape. The landscape types and percentages shown here are broad estimates, but taken together they reflect over 70% of the land in forest, some increase in “smart” development, and 6 million acres of farmland. Several hundred thousand acres of intensively cultivated land can be found in small pieces within cities and suburbs. In semirural areas there is room for more fruit and livestock production as well. The woods and pasture part of the landscape, along with places within the heavily forested area, provide scope for several million acres of dairy and beef production. Parts of New England that have remained devoted to agriculture, such as Aroostook County, the Champlain Valley, and the Connecticut Valley, become even more highly cultivated.



LANDSCAPE TYPE	ACRES FARMLAND	PERCENT FARMLAND	PERCENT DEVELOPED	PERCENT FOREST
 Urban	20,000	5	85	10
 Suburban	210,000	15	60	25
 Semi-rural	1,300,000	25	25	50
 Highly Cultivated	1,170,000	60	10	30
 Woods & Pastures	2,120,000	17	8	75
 Forest	1,240,000	6	4	90
TOTAL	6,050,000	15	11	74

Omnivore's Delight 50%

Figure 8. Omnivore's Delight Agricultural Footprint



	Thousands of Acres*			
	NEW ENGLAND PASTURE	NEW ENGLAND CROPLAND	NON-NEW ENGLAND CROPLAND	TOTAL FARMLAND NEEDED
1 Vegetables		530		530
2 Fruit		500	330	830
3 Grain, beans, and oil		360	1,570	1,930
4 Livestock				
Dairy	1,790	890	290	2,970
Beef, sheep, goats	1,210	600	20	1,830
Horses		80	40	120
Swine			460	460
Layers			320	320
Broilers			1,150	1,150
Turkeys			240	240
<i>Subtotal</i>	<i>3,000</i>	<i>1,570</i>	<i>2,500</i>	<i>7,070</i>
5 Other foods				
Nuts			110	110
Sugar			80	80
Coffee, tea, chocolate			670	670
Wine			80	80
<i>Subtotal</i>			<i>930</i>	<i>930</i>
6 Other agricultural products		30		30
TOTALS	3,000	3,000	5,330	11,330

NUMBER OF ANIMALS IN NEW ENGLAND

- Dairy cows 700,000
- Beef animals 700,000
- Lambs 1,200,000
- Pigs 2,600,000
- Laying hens 18,400,000
- Broilers 331,500,000
- Turkeys 17,200,000

This agricultural footprint represents the total acreage needed to provide a healthy Omnivore's Delight diet to 17 million people in 2060. It compares food grown in New England (green bars) with food grown elsewhere (yellow bars). All of the vegetables and about half of the fruits are grown within the region, while citrus and bananas are imported. That leaves enough cropland in New England to grow some of the grain, beans, and vegetable oil people consume, but most would need to be grown elsewhere. New England's pastures are devoted to providing all of the region's dairy products and as much beef and lamb as possible; in addition, about half the region's cropland is needed to provide hay and silage. The other livestock can be raised in New England, but the acreage footprint for their feed grain falls on cropland outside the region. Another million outside acres for imports such as sugar and coffee are needed to complete the Omnivore's Delight, while a small amount of land in New England continues to be devoted to nursery and floriculture production. New England produces just over half of what it eats by focusing on foods that can most advantageously be grown within the region.

	1,000 ACRES	PERCENT
New England total	6,000	53%
Non-New England total	5,330	47%
Total Footprint of New Englanders	11,330	100%

Per capita footprint of New Englanders **0.67 acres**

*rounded to the nearest 10,000 acres (totals may not sum correctly)

Regional Reliance 70%

Figure 9. Regional Reliance Agricultural Footprint



Thousands of Acres*	NEW ENGLAND PASTURE	NEW ENGLAND CROPLAND	NON-NEW ENGLAND CROPLAND	TOTAL FARMLAND NEEDED
1 Vegetables		530		530
2 Fruit		990		990
3 Grain, beans, and oil		1,610	1,390	3,000
4 Livestock				
Dairy	1,780	890	290	2,960
Beef, sheep, goats	720	360	20	1,100
Horses		80	40	120
Swine			220	220
Layers			330	330
Broilers			300	300
Turkeys			180	180
<i>Subtotal</i>	<i>2,500</i>	<i>1,330</i>	<i>1,370</i>	<i>5,210</i>
5 Other foods				
Nuts		20	70	90
Sugar			100	100
Coffee, tea, chocolate			670	670
Wine			80	80
<i>Subtotal</i>		<i>20</i>	<i>920</i>	<i>930</i>
6 Other agricultural products		30		30
TOTALS	2,500	4,500	3,670	10,670

NUMBER OF ANIMALS IN NEW ENGLAND
Dairy cows 700,000
Beef animals 500,000
Lambs 2,300,000
Pigs 1,200,000
Laying hens 19,500,000
Broilers 90,200,000
Turkeys 13,300,000

In a world of greater scarcity, agricultural acreage in New England (green bars) expands in order to provide a larger part of the more plant-based Regional Reliance diet for 17 million people. Agricultural land in New England increases to 7 million acres, compared to 6 million acres in the Omnivore's Delight scenario and less than 2 million acres today. New England produces all its vegetables and fruits by eliminating oranges, bananas, and other warm-climate fruits and by increasing production of New England apples, grapes, and berries. The Regional Reliance diet contains less meat, shifting tillable acreage within New England from forage to cropland in order to produce all the region's legumes and a greater share of its grains. The region still relies on 3.7 million acres elsewhere (yellow bars) for grains, nuts, vegetable oils, sugar, beverage crops, and other foods. New England farmland accounts for two-thirds of the 10.7-million-acre agricultural footprint that supplies what New Englanders consume.

	1,000 ACRES	PERCENT	Per capita footprint of New Englanders 0.6 acres
New England total	7,000	69%	
Non-New England total	3,670	34%	
Total Footprint of New Englanders	10,670	100%	

*rounded to the nearest 10,000 acres (totals may not sum correctly)

Assumptions & Limitations?

1. Population projections (climate refugees?)
2. Data based on past/current production methods
3. Unclear data about potential from home & community food production
4. What do these numbers look like if all food chain workers earn a living wage?
5. What does equitable land/sea access look like?
6. Researchers only becoming versed in production potential of "non-conventional" methods
7. What do production estimates look like if we assume a % reduction in fossil fuel use by food/ag/fisheries sectors?
8. What are the risks/costs of NOT regionalizing our food system?



THE NEW ENGLAND
FOOD VISION PRIZE

HENRY P. KENDALL FOUNDATION



Today: Updating the Vision for the decade ahead

The road to 2060: Updating the
New England Food Vision

30 **BY** 30

How might 30%
of New England's
food be produced
in our own
region by 2030?

How do we ensure
that democracy, racial
equity, & resilience are
central to the food
system we are
creating?

- *Update assumptions & data
- *Harmonize with network values
- *Center climate crisis links
- *Center equity & justice
- *Address production methods

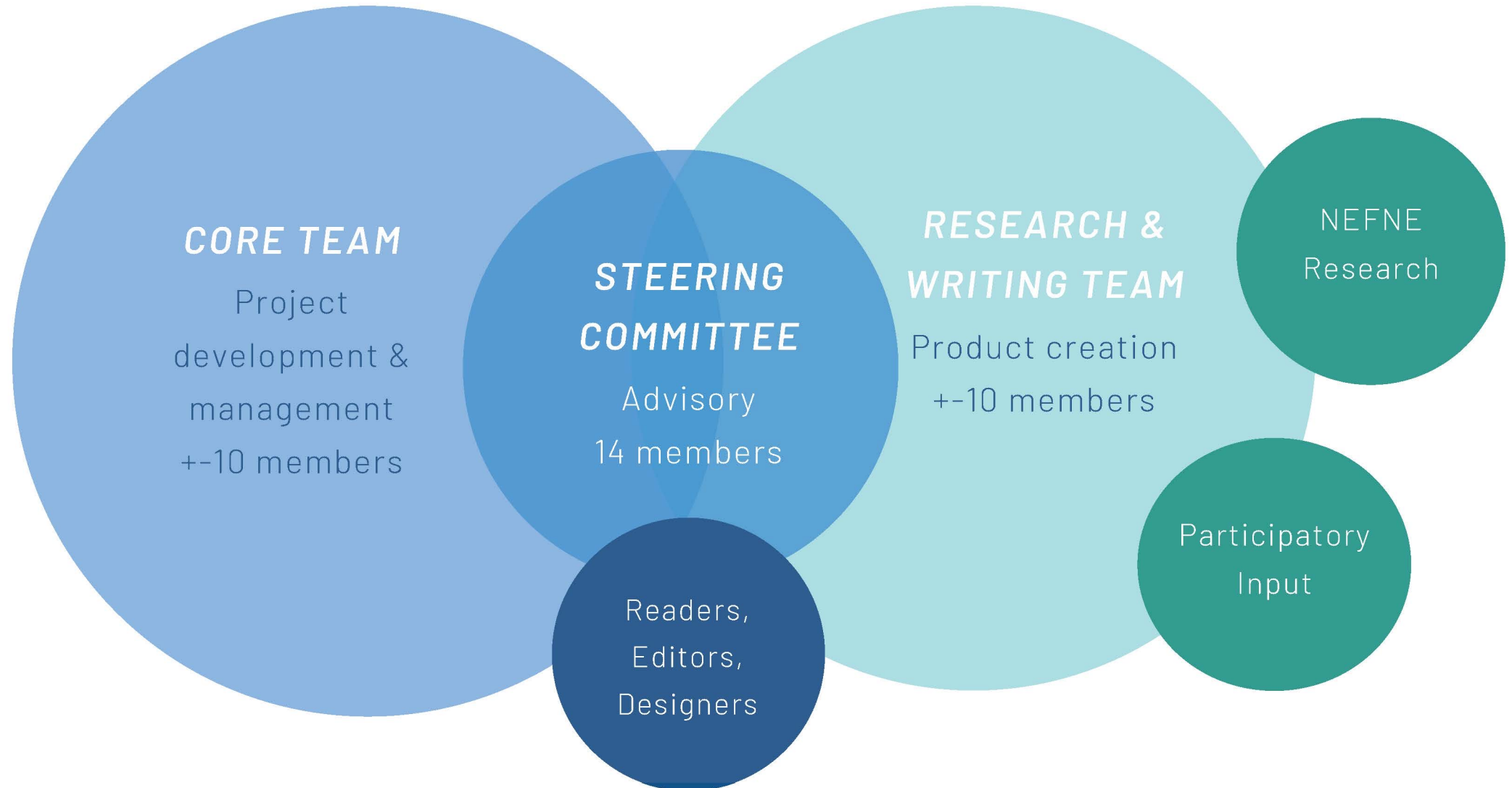
- *Democratize the update process
- *Many participation methods
- *Community conversations
- *Diverse team & advisory
- *Diverse readers/reviewers

A photograph of a farm with a person working in a field of crops, with a greenhouse in the background.

New England Feeding New England: Cultivating A Reliable Food Supply

A PROJECT OF THE NEW ENGLAND STATE FOOD SYSTEM PLANNERS PARTNERSHIP

NEW ENGLAND FOOD VISION UPDATE TEAMS



Q&A / Discussion



The background of the entire image is a dense collection of colorful umbrellas in various shades including red, yellow, orange, pink, purple, and blue, set against a dark background. The umbrellas are scattered and overlap, creating a vibrant, textured effect.

FSNE's Annual

21-Day Racial Equity

Habit-Building Challenge



**LEARN.
REFLECT.
ACT.**

April 2022

**REGISTER
TODAY**



Help create the world we need!

fsne.info/FSNEEquityChallenge

FSNE 21-Day Racial Equity Habit-Building Challenge

Some Elements:

Daily email prompts (April 4-25)

Participatory Planning Team

Launch Webinar (March 17)

Facilitators' Orientation & Workshops

Online Discussion Forum (moderated)

Every Friday Lunch Discussions (Facilitated)

Group & organizational participation

+ guest bloggers, Discussion Guide, and more!