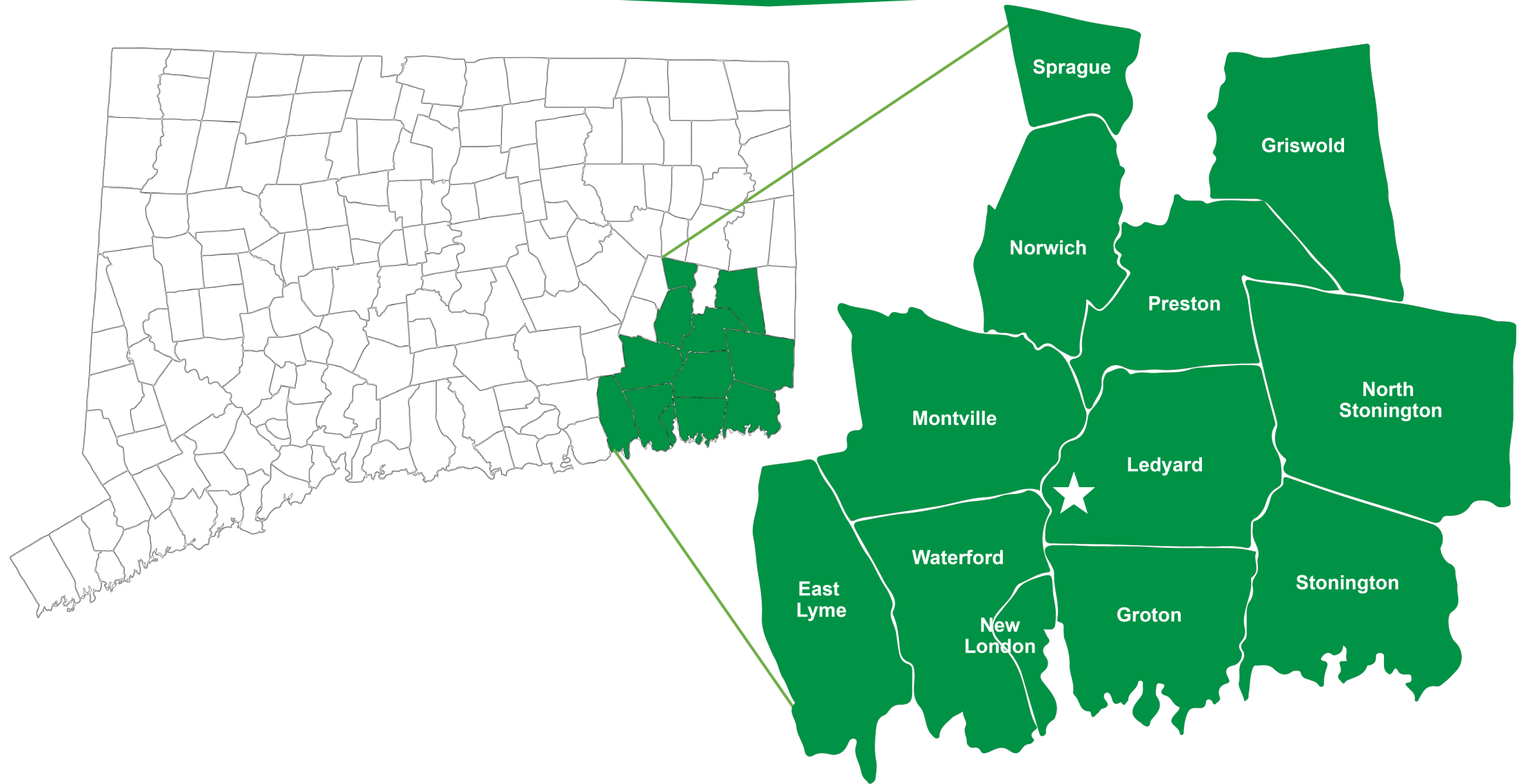
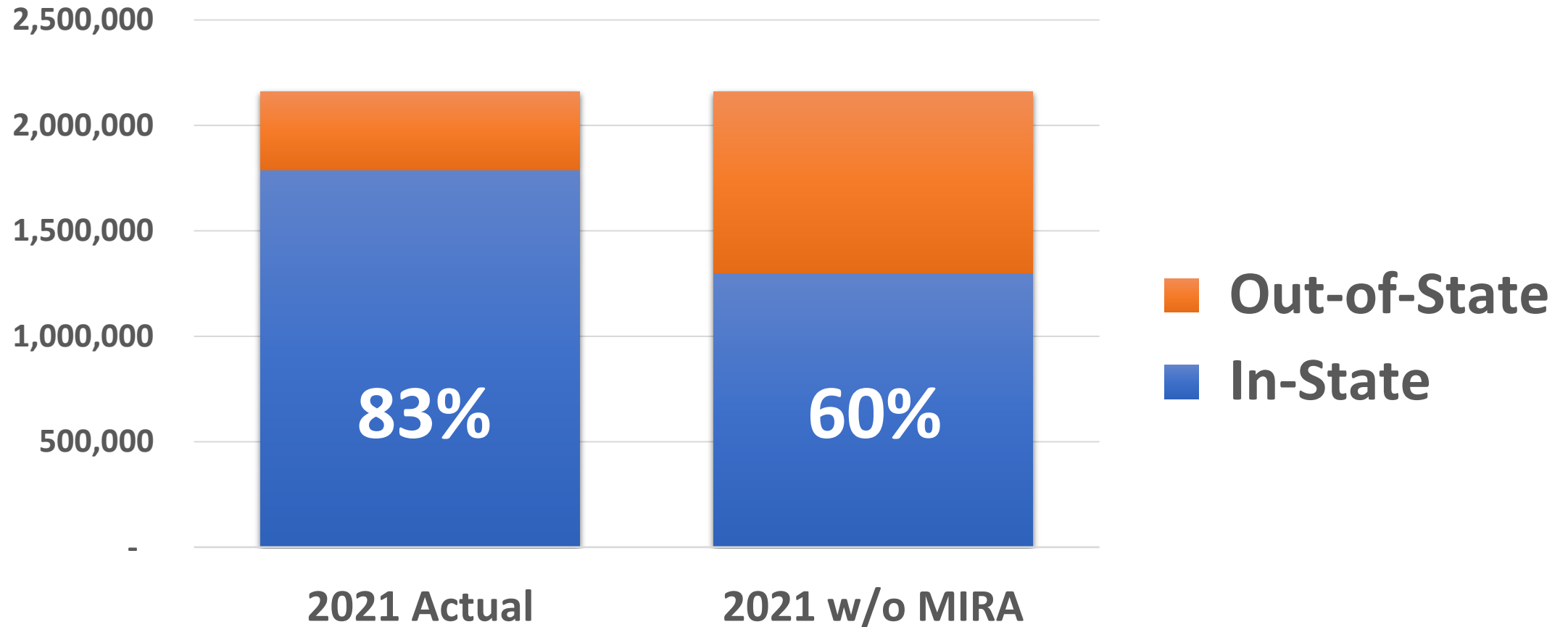




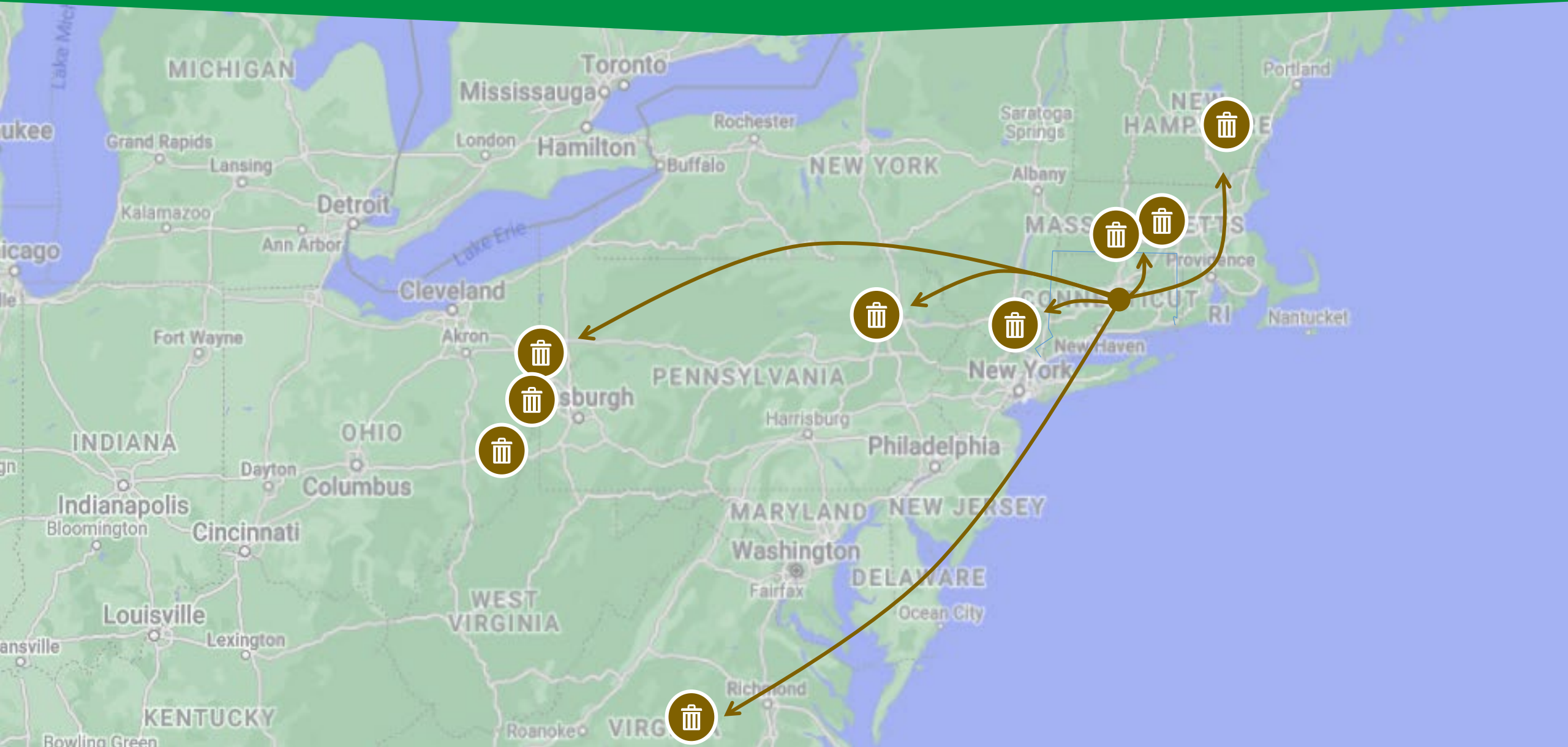
SCRRRA Member Municipalities



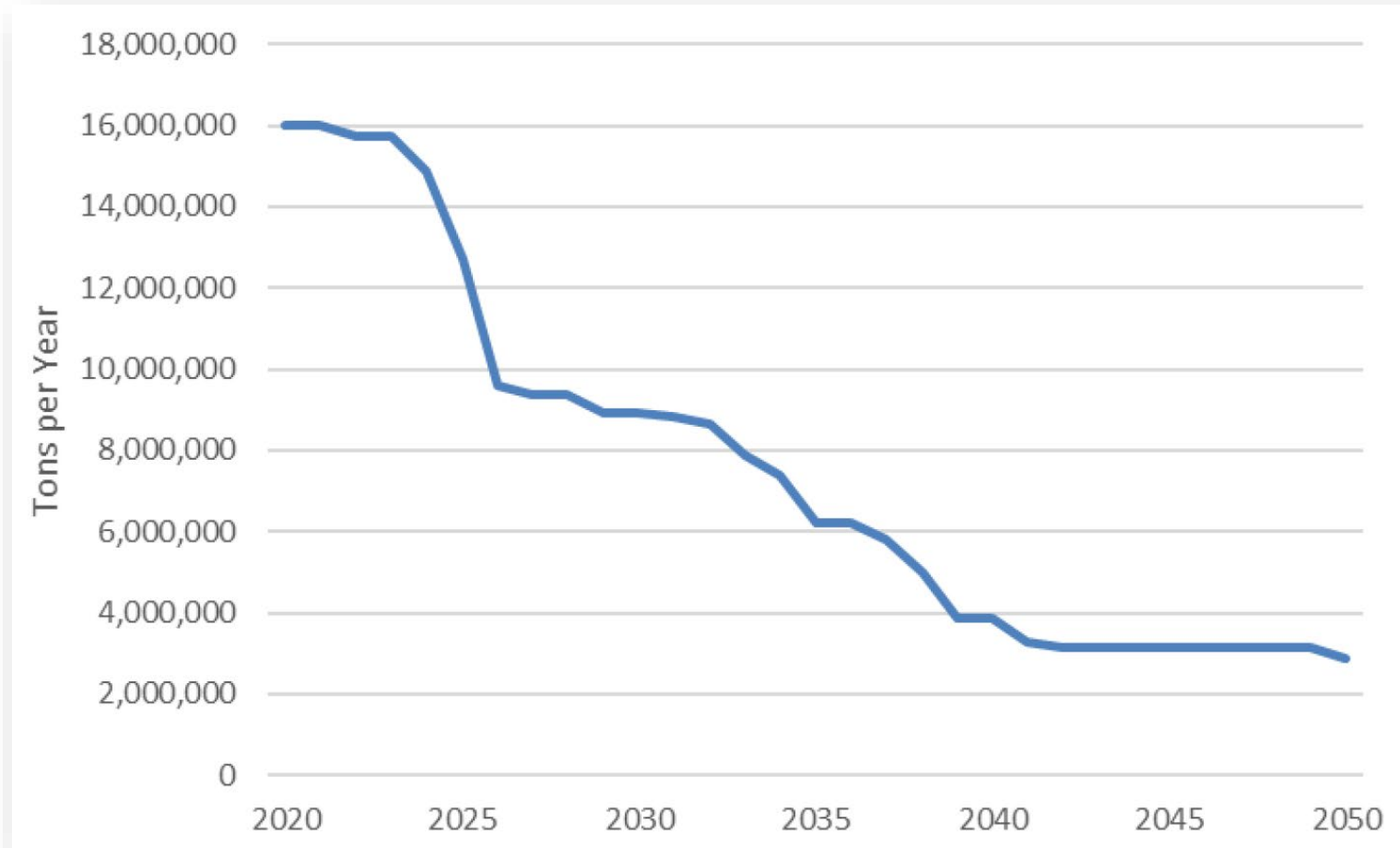
In-State Disposal Capacity Reduction



Out-of-State Waste Disposal



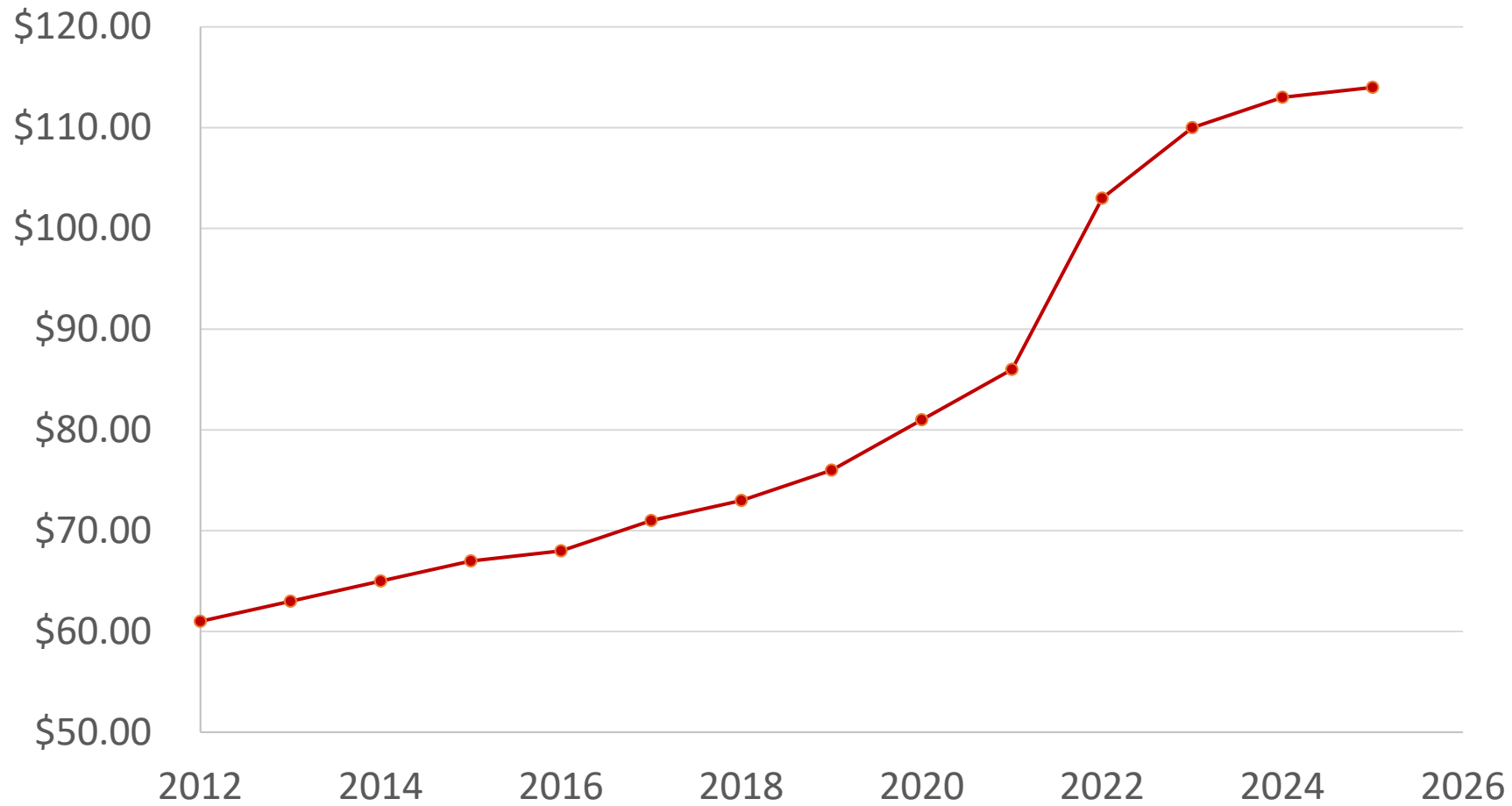
Projected Northeast Landfill Capacity



Projected Northeast Landfill Capacity Through 2050 (ME, MA, NH, VT, RI, CT, NY)

Source: CMMS Amendment, CT DEEP, 2023

CT Average Tip Fees



Source: CMMS Amendment, CT DEEP, 2023

Compost Pilot Test

- Coordination with DEEP
 - Batch #1: 30 tons of food scraps
 - Batch #2: 40 tons of food scraps
 - May 2020 to March 2021; 11-month process for a pilot test!
- Test Facility Layout and Construction
 - September to October 2020
- Pilot Test Operation
 - June 2021 to December 2021
- Test Data
 - Near-continuous temperature readings
 - Compost samples at 0, 4, 6, and 10 weeks

Compost Pilot Test



Compost Pilot Test



Compost Pilot Test



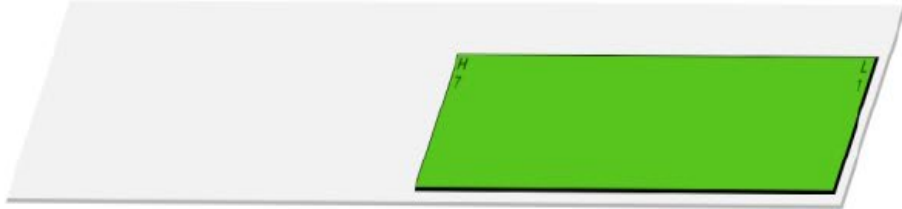
Compost Pilot Test



Compost Pilot Test

SITE OVERVIEW

■ Phase I
 ■ Phase II
 ■ Phase III
 ■ Available
 ■ Alert



ACTIVE HEAP

BUNKER	HEAP	PHASE	PFRP	BLOWER	BLOWER MODE	BLOWER STATUS
L1	H7	1	Y	OFF	Interval	OFF Mode

HEAP 7

BUNKER 7

Status

PFRP: Y 07/04 02:54

Avg Temp: 154.68°F 07/06 15:55

Current O₂: 13.93 07/06 15:55

Blower Status: OFF Mode OFF

Activity

05 July, 2021 11:52 AM

Heap [H7] - Blower Mode changed from I to I
 Mins On: changed from 1 to 1
 Mins Off: changed from 10 to 8

[ADD NOTES](#) [HISTORY](#)

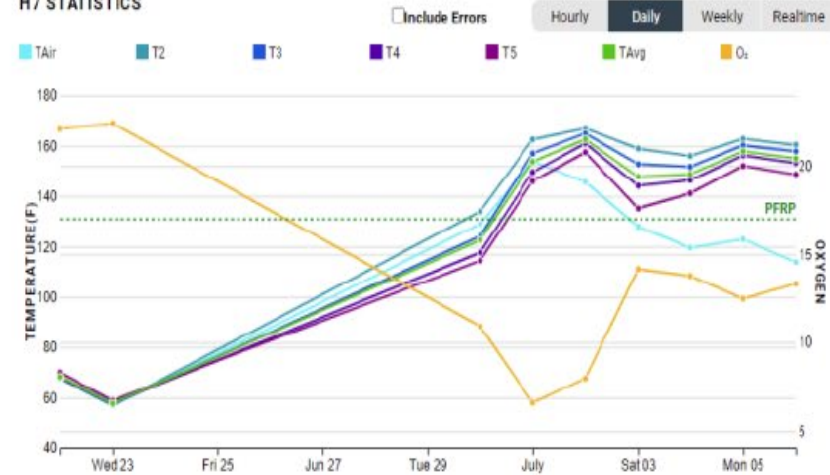
Configuration

Bunker: L1 Phase: Phase I Content: Choose here Blower Mode: Interval

Minutes On: 1 Minutes Off: 8

[CALIBRATE O₂](#) [SAVE](#)

H7 STATISTICS



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STA Lab Test Results

- Very safe regarding pathogens, a result of the high temperatures that were maintained
- Safe as a soil amendment with low heavy metals detected
- Very stable, well cured, finished compost with no odors or plant toxicity
- Very mature, safe for containers, which means it could be marketed as a bagged product, increasing its value
- Carbon-to-nitrogen ration was normal, so it will release available nitrogen to the soil
- Good source of nutrients and organic matter
- Salinity was low, again, safe for plants

Compost Pilot Test



Feasibility Study

- Conceptual Process Design
- Conceptual Master Plan
- Permitting Assessment
- Financial Pro Forma

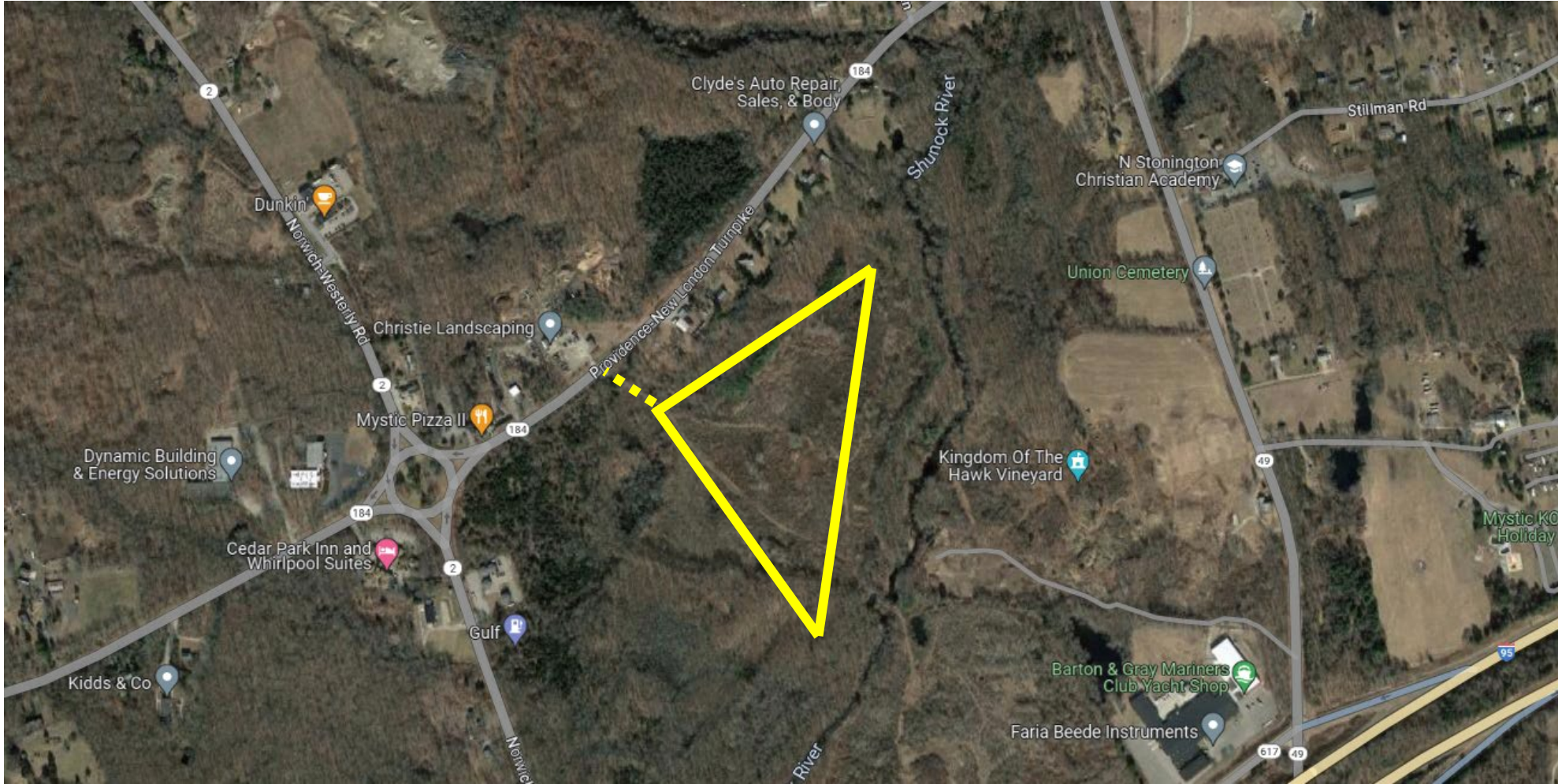
Site Considerations

- Location within region
- Access to state highways
- Proximity to neighbors
- Sufficient size
- Topography / Environmental impacts
- Environmental justice zones

Site Options and Selection

- SCRRRA parcel, Preston
- Privately-owned sites
 - Sprague
 - N. Stonington
 - Preston

Site 2: North Stonington, CT



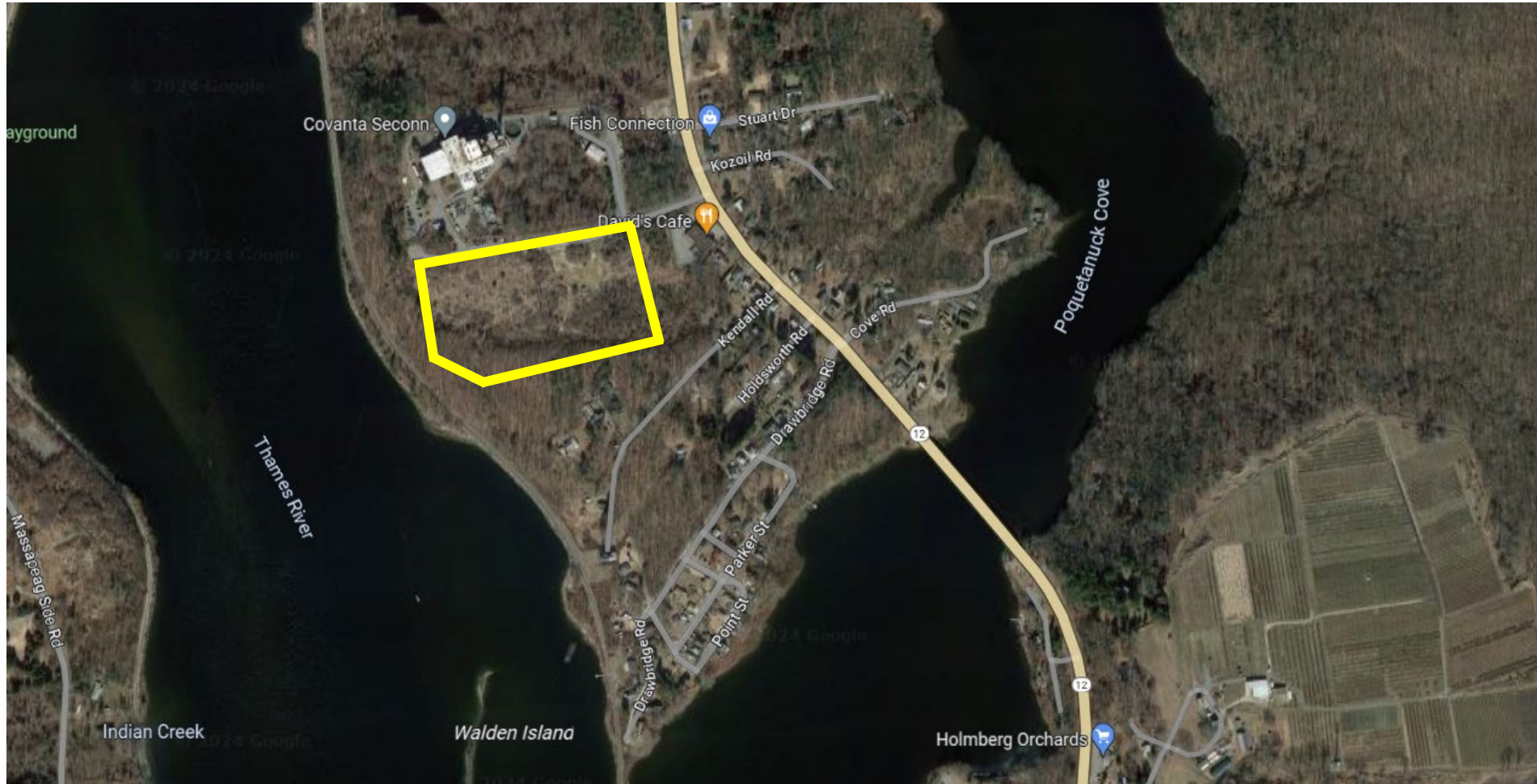
Site 3: Preston, CT



Site 1: Sprague, CT



Final Site Location: Preston, CT



Local Site Plan Approval

- Initial meeting with the Town: June 2023
- Initial application: November 2023
- Response to comments: January 2024
- Board meeting and approval: January 2024

Upcoming work

- CTDEEP permitting
 - Solid waste
 - Water
- Financing
 - USDA FPEP grant
 - EPA grant?
 - DEEP grant?
 - SCRRRA funds
- Design and construction