



A regional solid waste Planning Unit serving Capital District communities

Capital Region Solid Waste Management Plan

Community Update



Agenda

- Opening and Introductions
- Overview of the Draft Solid Waste Management Plan
- Plans for Solid Waste and Recycling in 2026-2035
- Accomplishments in Recycling and Diversion Programs
- Transfer Station Summary

Overview of the Solid Waste Management Plan - 6 NYCRR Part 366

- **Chapter 1** – Planning Unit Description
- **Chapter 2** – Waste Generation and Materials Recovery Data
- **Chapter 3** – Existing Solid Waste Management System
- **Chapter 4** – Existing Administrative and Financial Structure
- **Chapter 5** – Alternatives Evaluation and Selection
- **Chapter 6** – Implementation Plan and Schedule
- **Chapter 7** – Waste Stream Projections





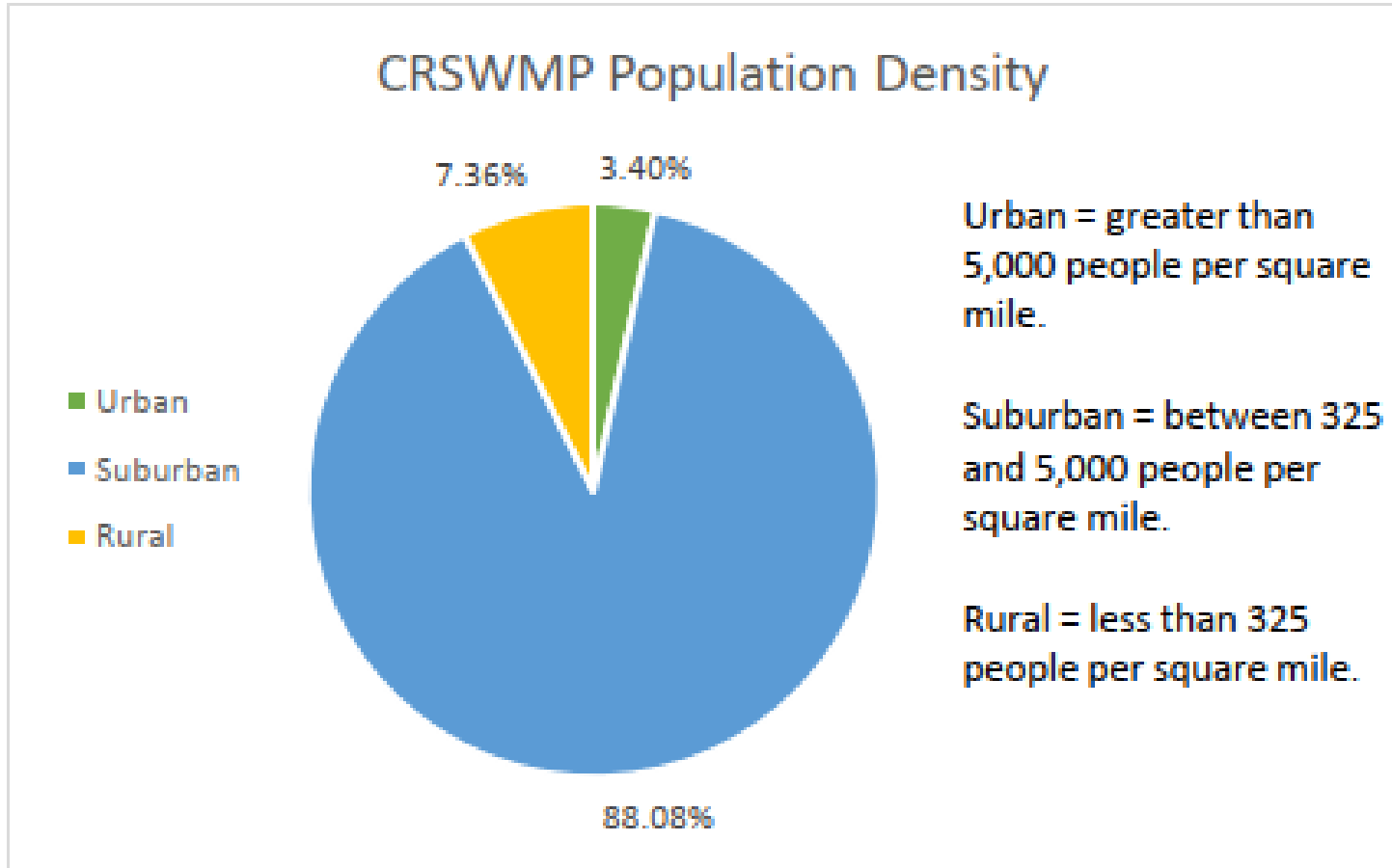
Planning Unit Overview - Members

Cities	Town	Villages
Albany	Berne	Altamont
Rensselaer	Bethlehem	Green Island
	East Greenbush	Voorheesville
	Guilderland	
	Knox	
	New Scotland	
	Rensselaerville	
	Westerlo	

Planning Unit Overview



Figure 1-3 – CRSWMP Population Density



Planning Unit
2026 Population:
222,399 people

Planning Unit
2035 Population:
226, 915

Waste Generation and Materials Recovery Data



Table 2-1: 2024 Solid Waste Generation within the Planning Unit		
Waste Type	Total Waste Generated (Tons)	Per Capita Generation (lbs/day)
MSW	217,472	5.4
C&DD	436,624	10.8
NHIW	180,445	4.47
Biosolids	7,488	0.2
Total	842,029	20.8
Notes: 2024 population is from NYSDEC Population and Municipal Solid Waste Composition Calculator, which uses the 2020 census data and assumes an annual 0.22% population growth population growth (221,408).		

Waste Generation and Materials Recovery Data



Table 2-2: 2024 Solid Waste Disposal and Diversion within the Planning Unit

Waste Type	Total Waste Generated (Tons)	Percent of Total Waste	Quantity of Waste Sent to Landfill (Tons)	Percent of Waste Sent to Landfill	Quantity of Waste Diverted (Tons)	Percent of Waste Diverted
MSW	217,472	26%	152,358	70%	65,114	30%
C&DD	436,624	52%	221,323	51%	215,302	49%
NHIW	180,445	22%	1,381	1%	179,064	99%
Biosolids	7,488	1%	7,488	100%	0	0%
Total	842,029	100%	382,549	46%	458,000	55%

Existing Solid Waste Management System

- Curbside Collection or Drop Off Locations of MSW, Recyclables and Organics
- Other Opportunities for Diversion and Recycling –
 - Backyard Composting (City of Albany)
 - Household Hazardous Waste Days
 - E-waste Collection Days
 - Shredding Events
 - Drop it/Swap It Events (City of Albany)
 - Food Scrap Drop Off Locations (Bethlehem)



Existing Administrative Structure



Table 4-1: Solid Waste Management Responsibilities and Implementation Structure	
Solid Waste Management Responsibilities	Entity Responsible for Implementation
Operations (waste collection, recycling and disposal)	managed by municipal governments and private waste management companies contracted by landowners or municipalities
Finance	handled by municipal finance departments, ensuring proper budgeting and allocation of funds
Outreach and education and Program Implementation	Member municipalities, and conducted by community organizations, large employers, and educational institutions
Enforcement of Related State and Local Laws and Codes	implemented by county health departments and local zoning and planning boards, law enforcement
Data collection and evaluation	Member Municipalities files annual reports to NYSDEC as required PURC Lead is responsible for compiling and collecting data as for LSWMP updates and other reporting.

Alternatives Analysis



- Waste Reduction Programs
- Reuse programs
- Recyclables recovery programs for paper, metal, glass, plastic, and textiles
- Organics recovery programs for food scraps and yard trimmings
- Programs to develop or improve local and regional markets for recyclables
- Enforcement programs
- Education and outreach
- Data collection and evaluation efforts
- C&D debris reduction, including deconstruction, reuse and recovery programs
- Waste disposal options
- Private sector management and coordination opportunities;
- Incentive Based Pricing
- Local hauler licensing programs, including an assessment of laws preventing commingling of recyclables with waste;
- Flow control and districting potential
- Review of the feasibility of management of waste through thermal treatment technologies

Selected Programs



- Semiannual Meetings with Localities from CRSWMP
 1. Discuss the potential ongoing waste reduction programs.
 2. Evaluate potential waste reduction and recycling enhancements including adding textile recycling to textile swap events.
 3. Monitor status of SSOW facility feasibility and development proposals.
 4. Discussion at semiannual PURC meetings how to publicize and enforce municipal recycling programs, updates on municipal operations, and opportunities to include public space recycling.
 5. Monitor status of other MSW treatment facility feasibility and/or development proposals.
 6. Report data on solid waste disposal, recycling and diversion by each PURC member.



Selected Programs

Textile Exchanges and Recycling

- Allow for opportunities for clothing and other textile items to be exchanged instead of thrown away
- Recycle unclaimed materials after exchange

Grant Funding

- Apply for Grant Funding for Waste Audits



Selected Programs

Website – Public Information

- Continue to maintain existing websites (each locality) with recycling and MSW disposal information
- Replace the Captialregionarecycling.com website

New Transfer Station to Replace Rapp Rd Landfill

- Rapp Rd Landfill is estimated to reach capacity in Fall 2027
- New Transfer Station design complete, permitting is underway
- Construction planned to start January 2027



Selected Programs

Continue with Existing Solid Waste/Recycling Events Hosted by Planning Unit Members

- Increase awareness of these events through public education
 - 1,350 households participate in the backyard composting events
 - Household Hazardous Waste Programs in Planning Unit collected 193 tons of materials from 1,222 participants in 2024
 - Town of Bethlehem's Compost Facility collected 720 tons of food scrap waste
 - Coordinate with local non-profits so their events are also capture in biennial reports

Selected Programs



Improve Available Information regarding Special Waste Disposal Programs to prevent illicit disposal

- Bulky Waste Collection
- Tires
- Mattresses
- CD&D Recycling

Consider whether to require payment for collection and disposal of these items

Implementation Schedule



- Continue to host textile exchanges (Drop-I Swap-It Events)
 - Apply for grant funding to support Commercial and Industrial Waste audits
 - Create new website for information on waste management in the Planning Unit
 - Permit, design, and construct new transfer station.
 - Discuss feasibility of creating a Convenience Center at the new transfer station for bulk item reuse.
 - Improve and simplify publicly available information about recycling and disposal.
 - Improve publicly available information about bulky disposal
 - Discuss implementing pay-as-you-throw program for specific bulky items (ie. mattresses, tires, appliances)
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- See Figure 6.1 In Draft Plan for detailed schedule



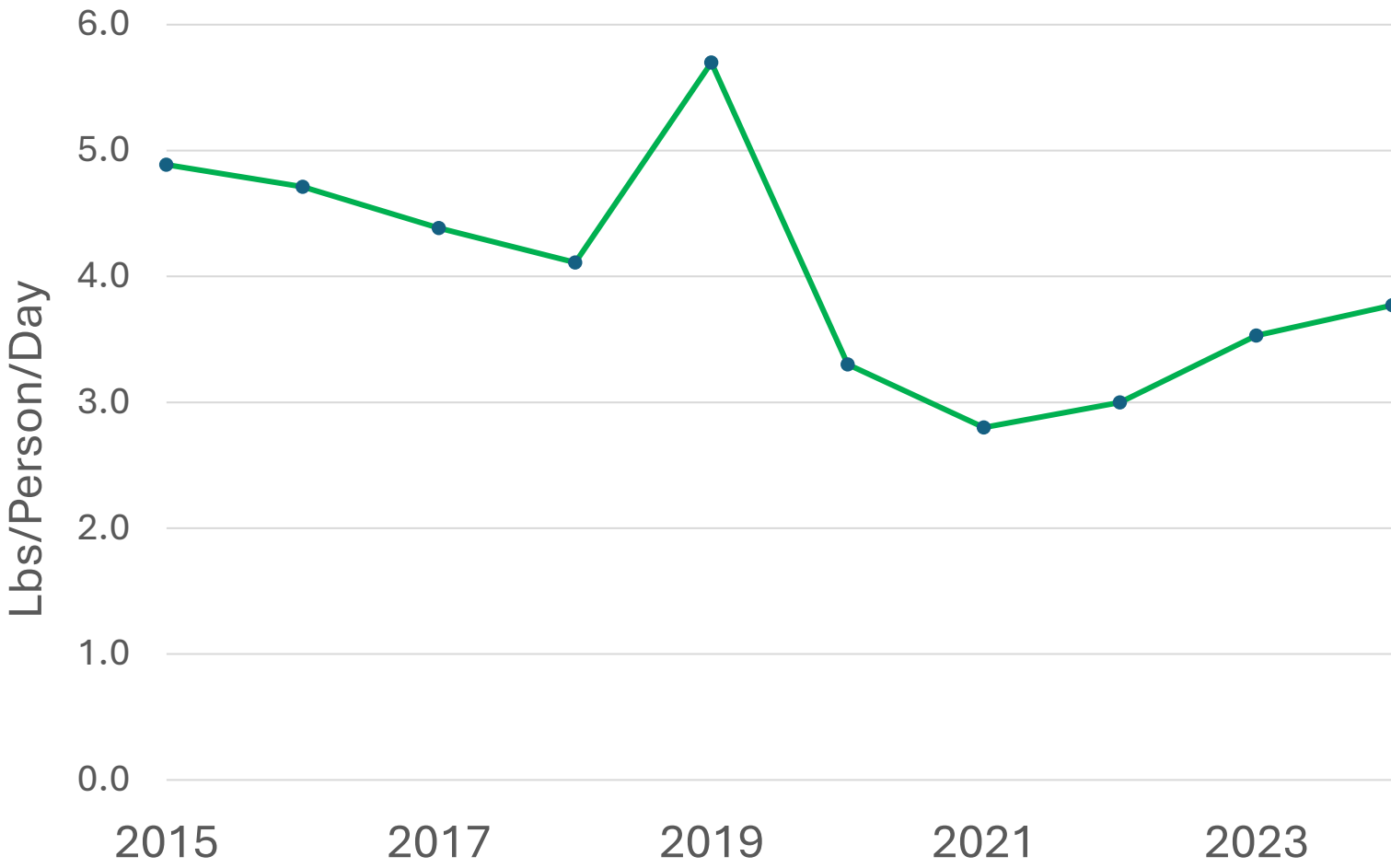
Waste Projections

- Projected waste in 2035 –
176,643 tons MSW
- Goal of decreasing waste generation by
2% per year

Past Performance



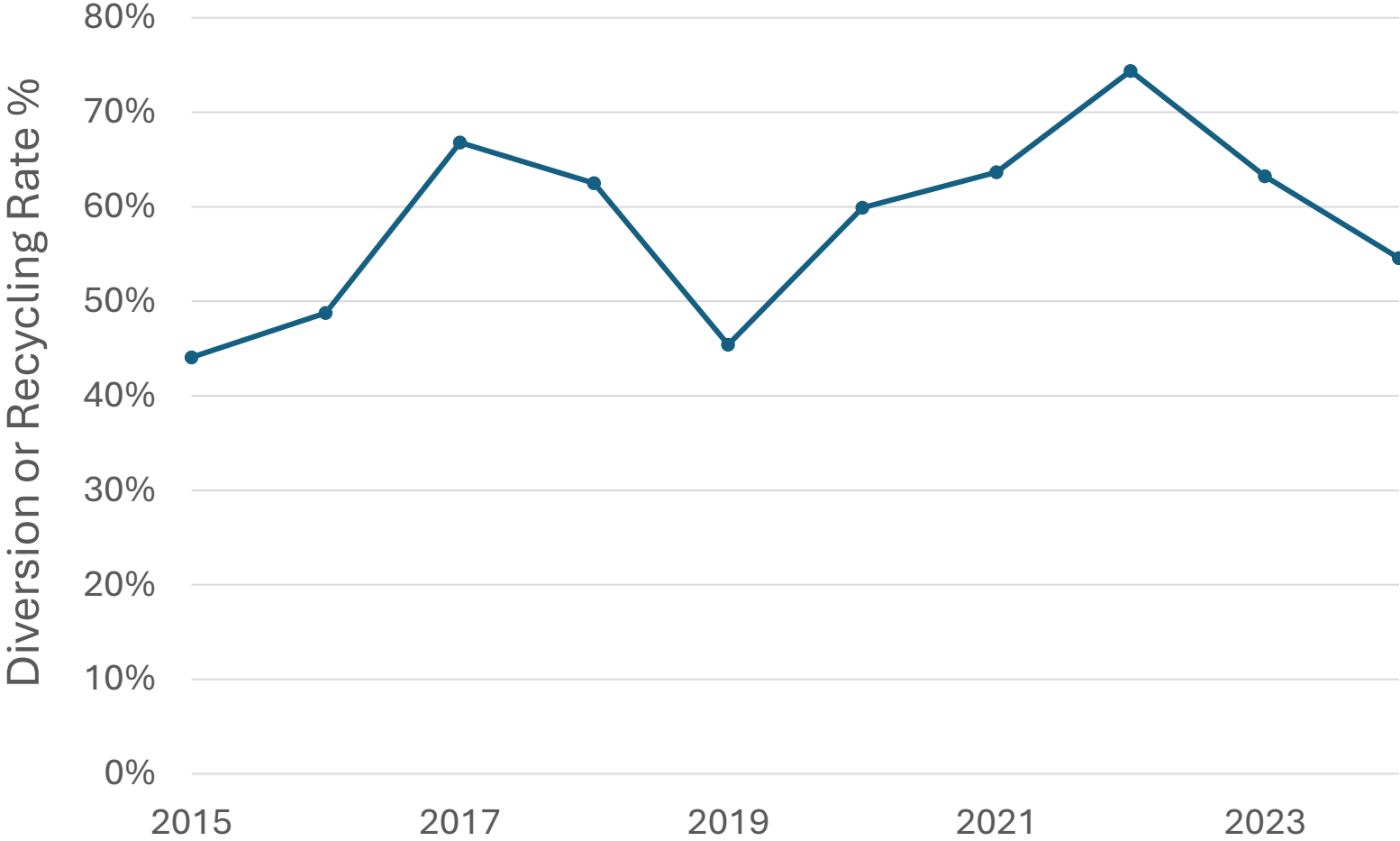
MSW Disposal Rate (lbs/person/day)



Past Performance



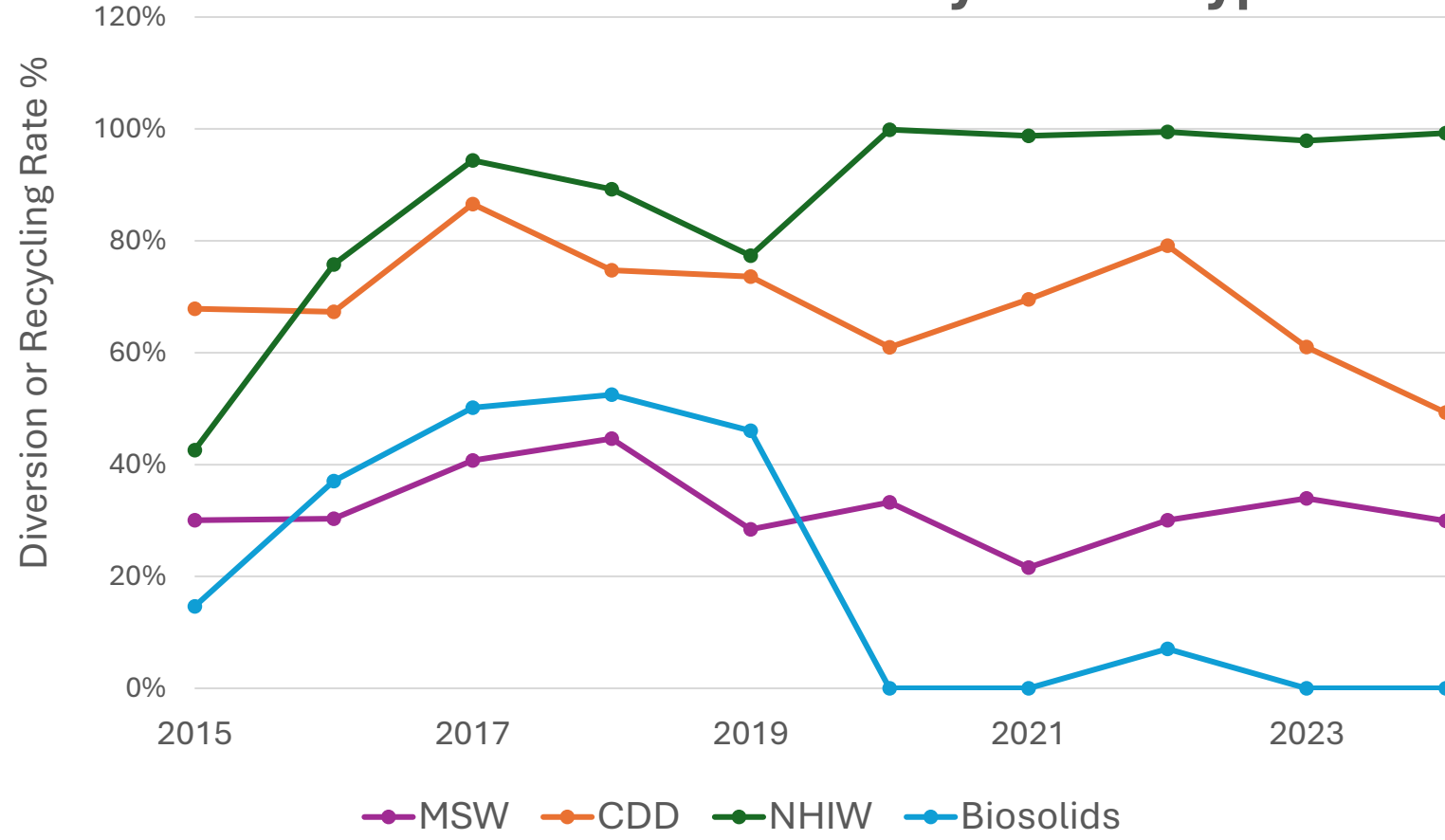
**Diversion or Recycling Rate for the Total Waste Stream
Generated in CRSWMP**



Past Performance



Diversion or Recycling Rate for the Waste Generated in CRSWMP by Waste Type



Transfer Station

- Purpose & Need
- Construction & Operation



Transfer Station Purpose & Need



1. Landfill Capacity and Cease of Operations

- Landfill will reach capacity in Fall 2027, no ability to expand or extend operations to continue to receive solid waste

2. Solid Waste Planning

- The City of Albany Solid Waste Management Plan identified transfer of solid waste as the long-range solution for solid waste management

3. City's Solid Waste Disposal Need

- Transfer station needs to be operational by September 2027 for continued collection and disposal of City's solid waste
- Transfer is the cost-effective and environmental friendly

Transfer Station Construction & Operation



1. Part 360 Permit Application to construct and operate the transfer station was submitted to NYSDEC in July 2025.

- NYSDEC indicated they are drafting the permit and anticipate approval by end of September 2026.

2. Planned construction duration is 8 months

- Bidding no later than October 6, 2026
- Construction to start January 2027

3. Operating capacity of 500 tons/ day transferred for off-site disposal at permitted facility

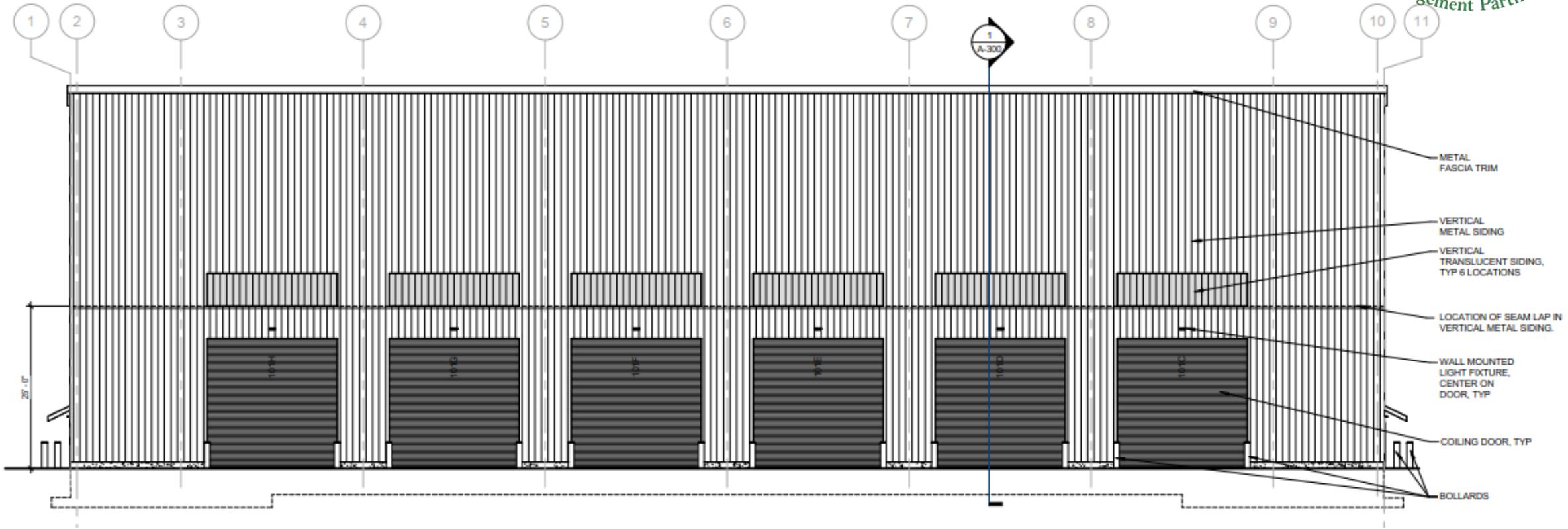
- 26,000 sq ft building
- 200 sq ft scale house

Aerial Location Map

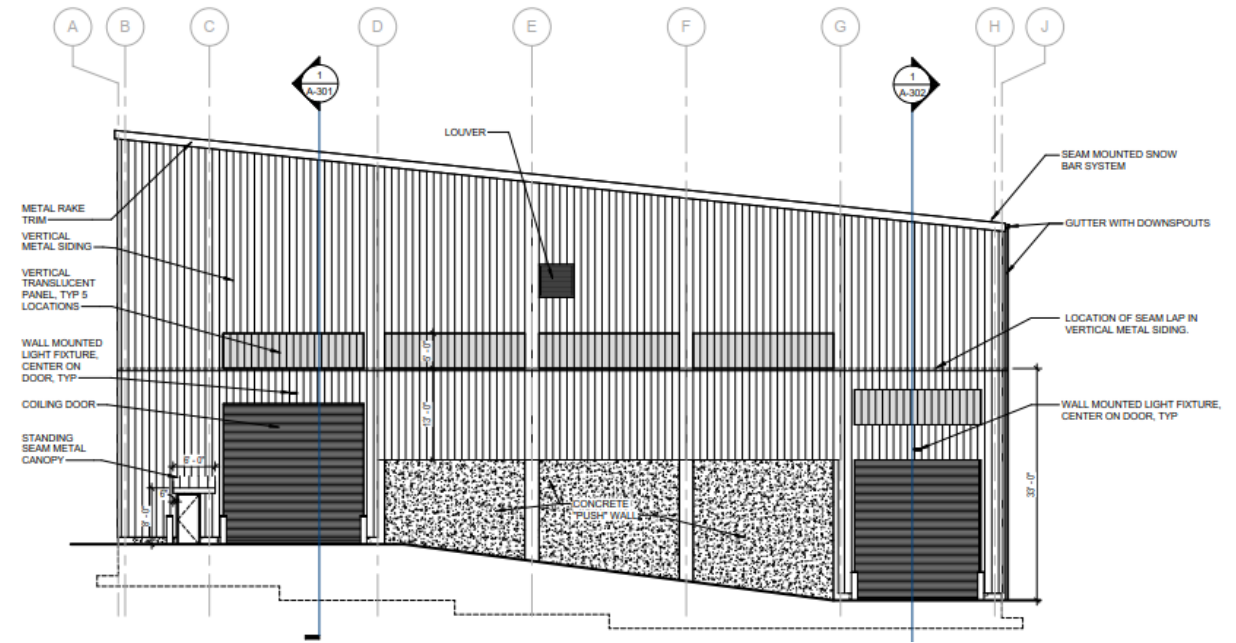
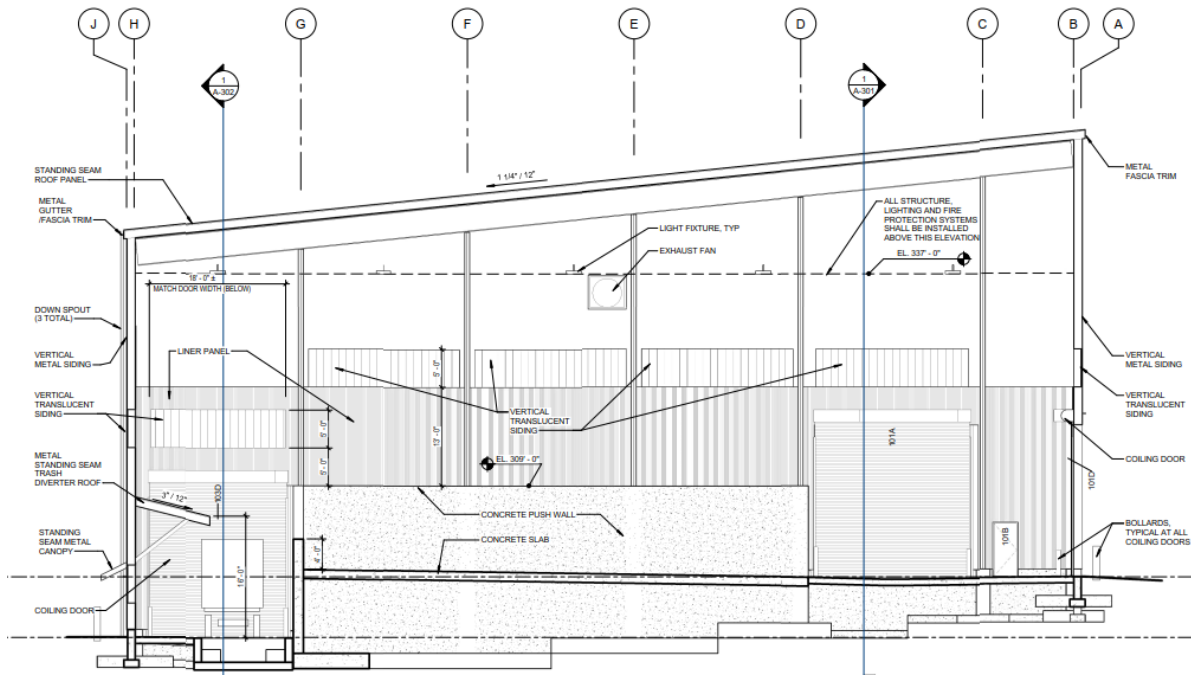
Legend



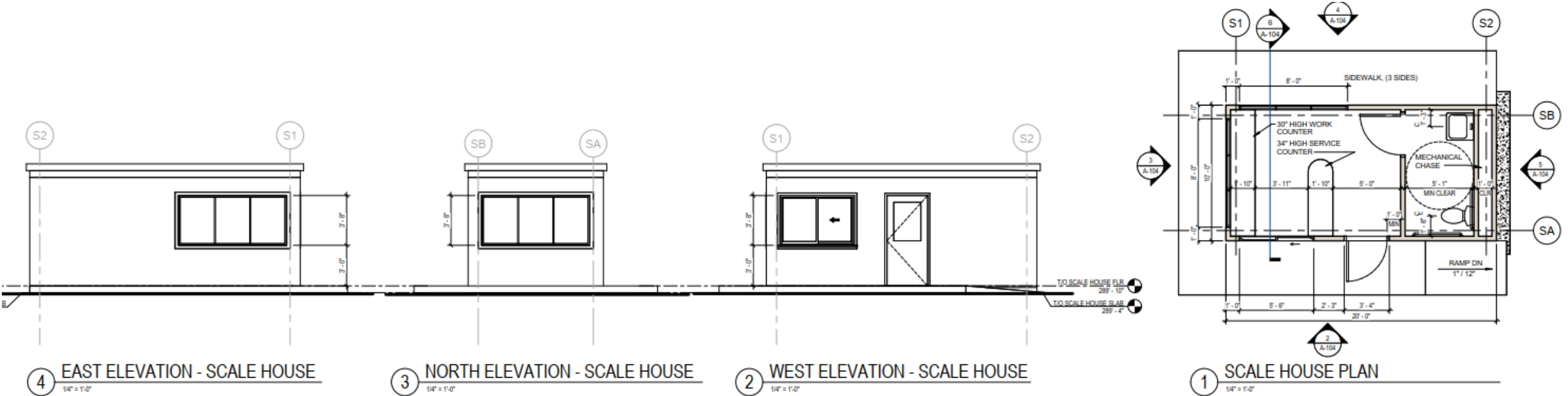
Transfer Station



Transfer Station



Scale House





Questions?