



# SOUTHCOAST RENEWABLES, LLC

## PUBLIC OUTREACH MEETING

SEPTEMBER 21<sup>ST</sup> , 2022

PRESENTED BY GREEN SEAL ENVIRONMENTAL, LLC





# PROJECT DEVELOPMENT OVERVIEW

## PHASE I & PHASE 2

### PHASE I

- Glass Processing Building
  - Glass Processing 27,500 sq/ft (Constructed)
  - Glass Bunker Building 23,230 sq/ft (Nearing completion)
  - Side Bunker Building 21,973 sq/ft (Nearing completion)
  - Rail Sidetrack (Began 2<sup>nd</sup> quarter 2021)
- 1.842 MW Solar Power Expansion [added to existing 1.567MW) (Rear canopies 2, glass building, side bunker, front canopies 2 near completed)
- Relocation of Parallel Products Operations from Shawmut Avenue (completed relocation in February of 2020)

### PHASE 2

- MSW Processing Facility with solar array (65,317 sq/ft)
- Rail connection “tunnel”
- Expansion of Rail Sidetrack (additional storage created in parallel)
- 1.357 MW of additional solar (increase from previously proposed 400 kW)

# PROJECT CHANGES DURING MEPA REVIEW

- The formerly proposed biosolids building and associated biosolids drying operations are no longer being proposed.
- Rail enclosure (In between the MSW handling and processing facility) and the glass processing (Sound and odor mitigation)
- Additional energy reducing adders (e.g. heat pumps, insulation, etc.)
- Traffic mitigation (Commitment to fund the installation of a traffic light and monies towards truck exclusion study)
- 1.35 megawatts of additional solar (Previously 400 kW)



# PROJECT CHANGES DURING MEPA REVIEW, CONTINUED

- Reduction of impervious areas (predominately through the removal of the biosolids component)
- Increase in tipping building size (better management of materials indoors)
- Reconfiguration of SW controls
- Based on public input the following changes are being proposed with respect to hours of operation:
  - *Reduce tipping hours to 6AM to 7PM Monday through Friday*
  - *Reduce tipping hours to 7AM to 4PM on Saturdays*
  - *Remove tipping operations entirely on Sundays*



# MEPA PROCESS COMPLETED

- Expanded Environmental Notification Form (EENF) submitted in February 2019.
- Secretary of Energy and Environmental Affairs issued Certificate on April 12, 2019.
- Secretary of Energy and Environmental Affairs issues Final Record of Decision on May 15, 2019.
- Draft Environmental Impact Report (DEIR) submitted November 2019.
- Secretary of Energy and Environmental Affairs issued Certificate on January 30, 2020
- Final Environmental Impact Report (FEIR) submitted on January 21, 2021.
- Secretary of Energy and Environmental Affairs issued FEIR Certificate on April 2, 2021, which requested a Supplemental FEIR.
- Submittal of Supplemental FEIR on July 14, 2020.
- Secretary of Energy and Environmental Affairs issued Certificate on August 29, 2022.



# PERMITTING AND PUBLIC OUTREACH

1. Expanded Environmental Notification Form (EOEEA) **(Complete)**
2. Draft Environmental Impact Report (EOEEA) **(Complete)**
3. Final Environmental Impact Report (EOEEA) **(Complete)**
4. Supplemental Final Environmental Impact Report (EOEEA) **(Complete)**
5. BWP SW 01 Site Suitability Report (MassDEP) **Presently on This Step**, Includes 21 day public comment period
6. Site Assignment (New Bedford Board of Health) Includes 21 day public comment period and public meetings
7. BWP SW 05 Authorization to Construct (MassDEP) Includes 30 day public comment period
8. BWP SW 06 Authorization to Operate (MassDEP) Includes 21 day comment period
9. Notice of Intent (New Bedford Conservation Commission) Includes public hearing for Phase 2 Improvements
10. Site Plan Approval (New Bedford Planning Department) Includes public hearing





# SITE ASSIGNMENT LIMITS



Parallel Products New Bedford, Massachusetts

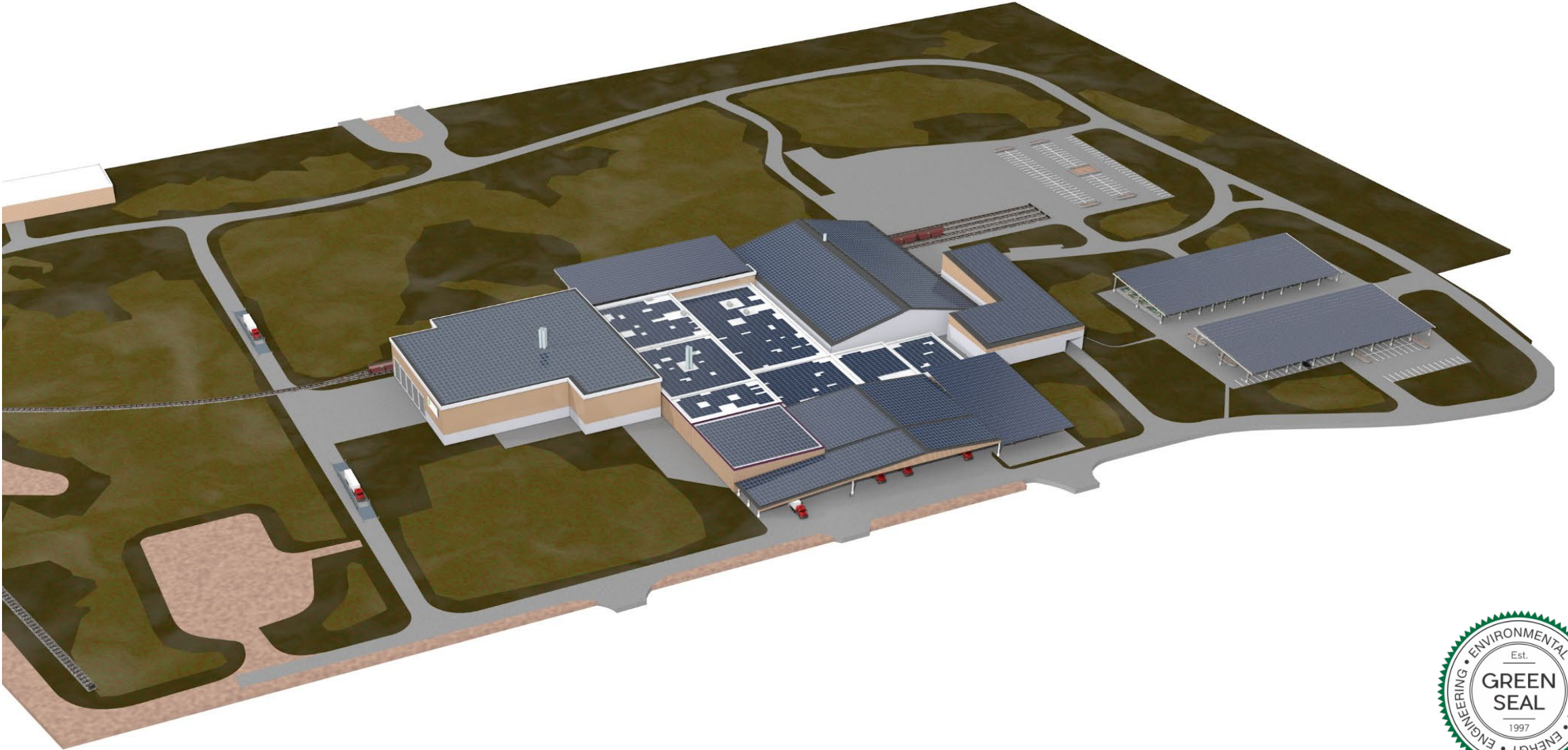




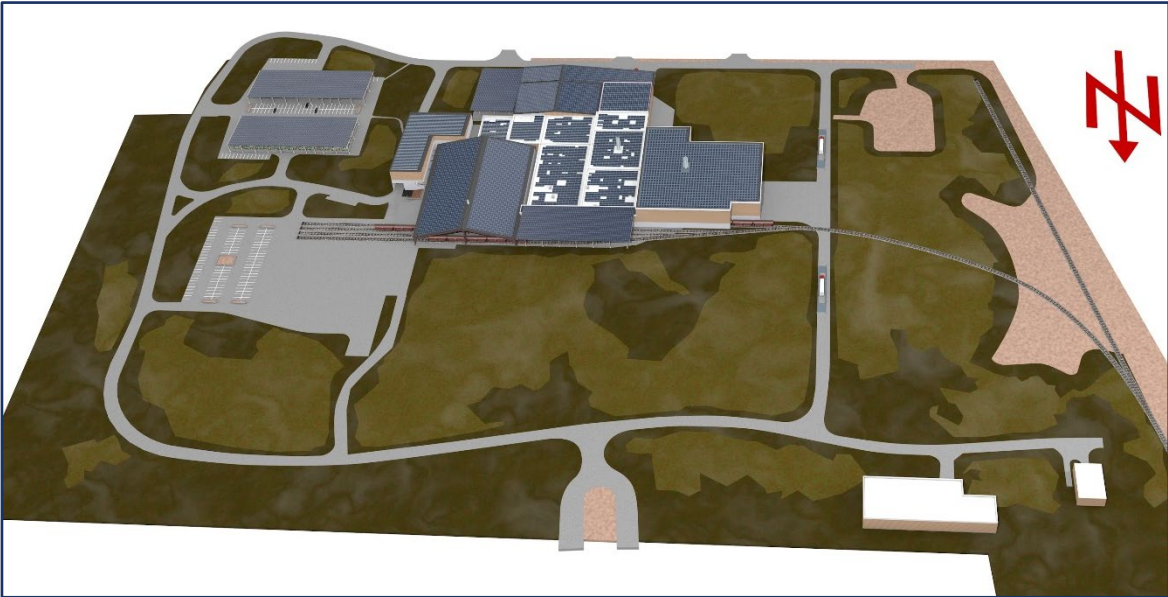




## PHASE 2



# PHASE 2



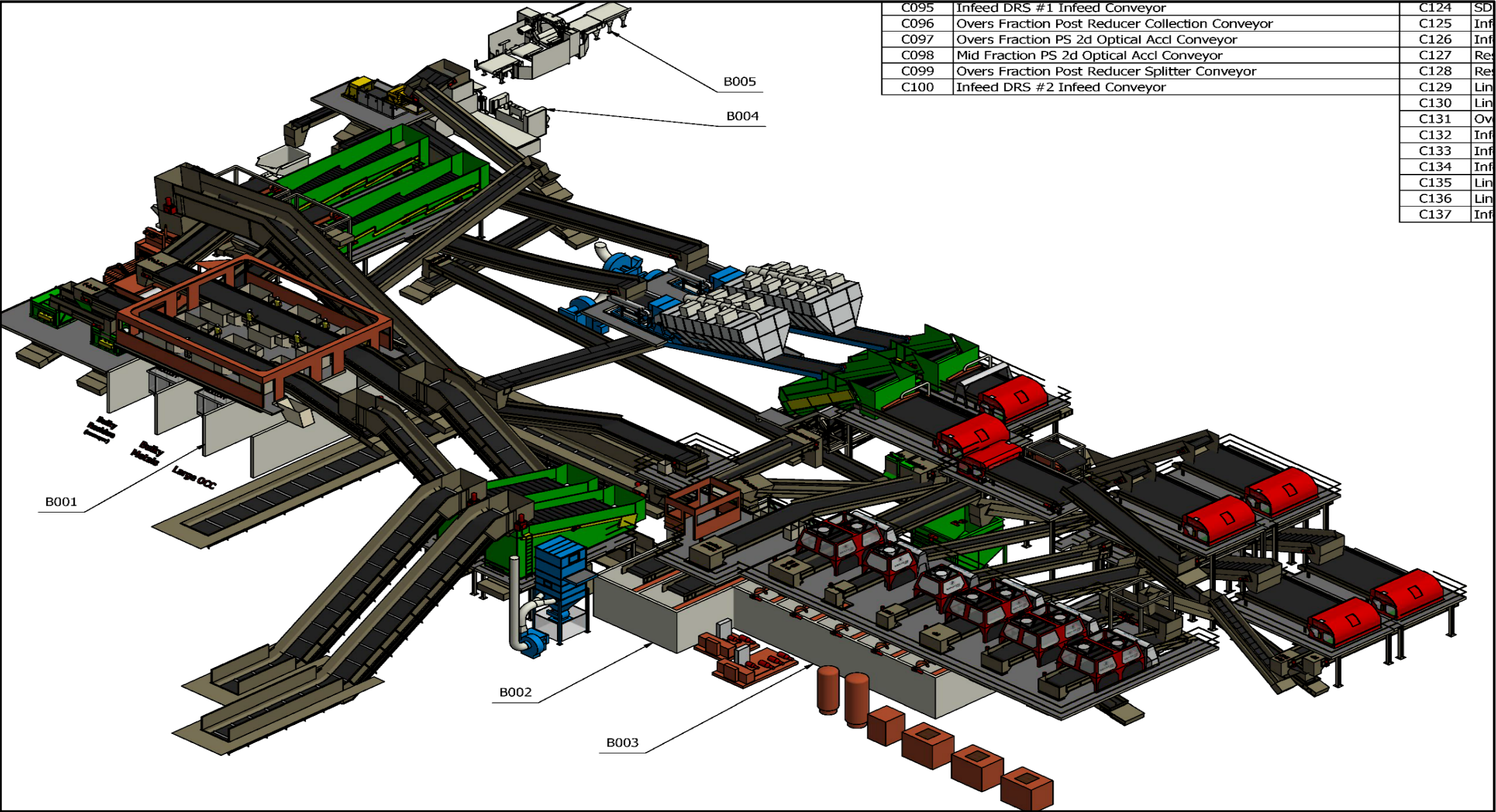


# SOLAR POWER



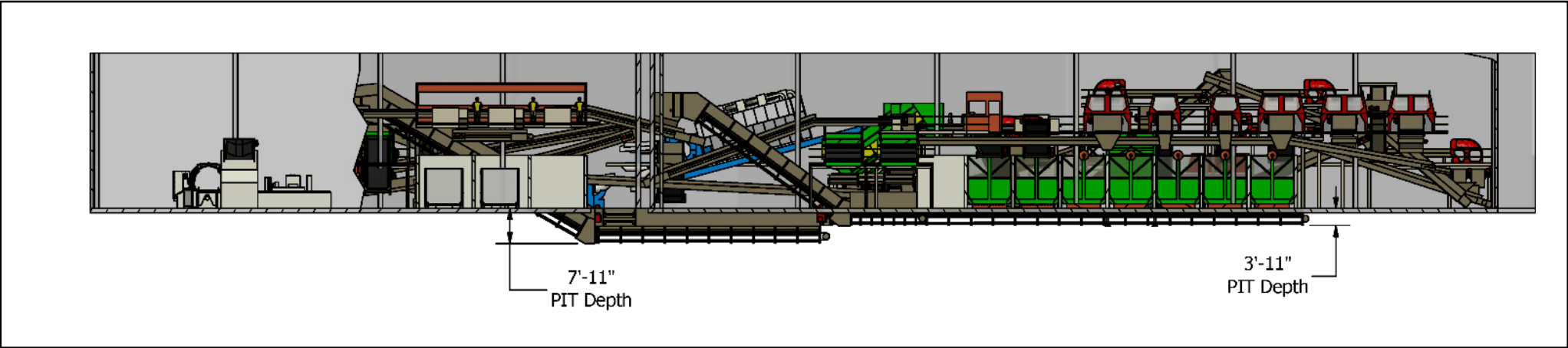
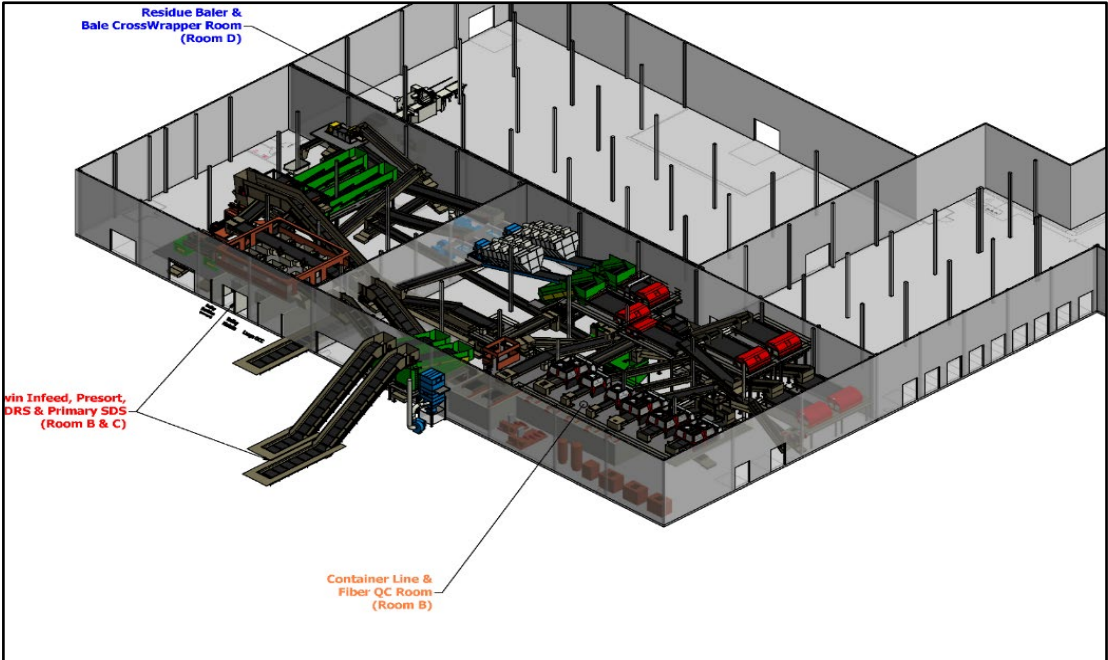
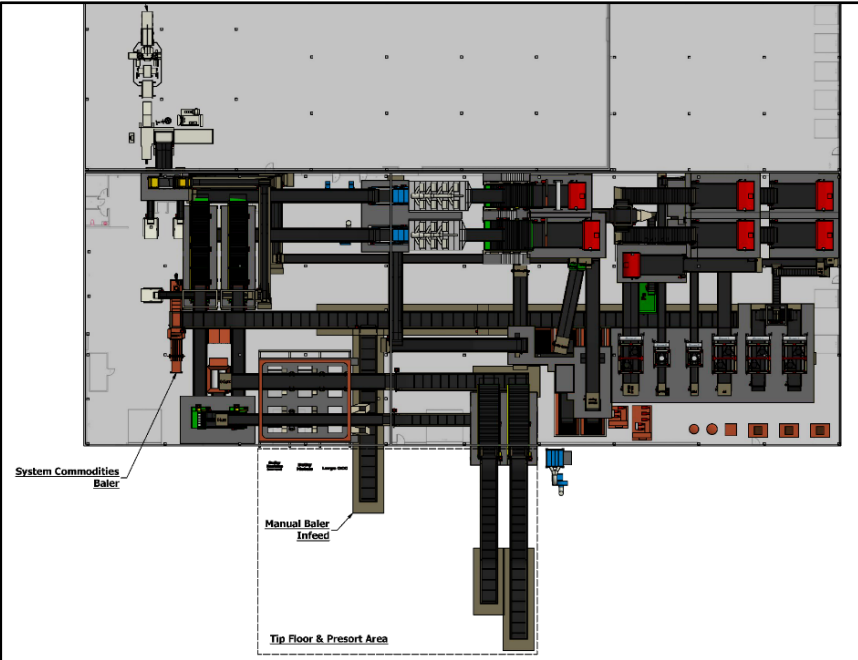


# MSW PROCESSING LINE EXAMPLES





# MSW PROCESSING LINE EXAMPLES



# BALED WASTE



# MASS DEP SITE SUITABILITY

## Site Suitability is regulated through the MassDEP

- The Department shall rely upon the application and information supplied by the applicant or any other information made available to the Department;
- The applicant must show that the site meets the criteria set forth in 310 CMR 16.40(3), (4) and (5).
- If the Department determines that the facility is located within a Restricted Area, the applicant shall receive a negative Site Suitability Report (note the site is not in a “restricted” area);
- If the Department determines that the facility is not located within a Restricted Area, the Department shall evaluate the criteria set forth in 310 CMR 16.40(3), (4) and (5) using such existing state and federal standards, criteria, guidelines or allowable limits and technical health reports which are intended to protect the public health, safety, and the environment;
- the Department shall consider whether the site use promotes integrated solid waste management in accordance with 310 CMR 16.40(5).
- ***The Mass DEP has indicated that that Public Involvement Plan (PIP) will be part of the Site Suitability Process.***





# MASSDEP SITING CRITERIA REQUIRES ASSESSMENT

- Zone 1 of a Public Water Supply
- IWPA and Zone 2 Areas
- Zone A of a Surface Water Supply
- Private Water Supplies
- Occupied Facilities
- Riverfront Area
- Depth to Groundwater
- Agricultural Land
- Traffic Impacts
- Wildlife and Wildlife Habitat
- Areas of Critical Environmental Concern
- Protection of Open Spaces
- Potential Air Quality Impacts
- Potential for the Creation of Nuisance Conditions
  - Noise
  - Litter
  - Vectors
  - Odor
  - Bird Hazards to Navigation
- Size of the Facility





# MSW PROCESSING

- Facility will process municipal solid waste (MSW) and handle construction and demolition waste (C&D) indoors (post processed, pre-inspected materials)
- Proposed Daily Capacity-up to 1,500 tons per day
- Unconsolidated MSW will be processed to extract additional recyclable material from the waste accepted.
- Waste that cannot be recycled will sent to out of state disposal facilities by rail



# SITE SUITABILITY CRITERIA

## NUISANCE CONDITIONS- NOISE

- Sound modeling by Epsilon concluded that the facility can meeting both State and Federal regulations and/or policy. Mitigation, at a minimum will include the following:
- All waste handling to be conducted within enclosed buildings;
- Addition to the glass building to enclose the rail where railcars are being loaded;
- Rail track constructed to the west side of the building, opposite side of the building from residents to the east for noise attenuation;
- Rail track constructed without at-grade crossings, eliminating the need for the use of bells, horns, or whistles on locomotives;
- Tipping / delivery doors away from surrounding receptors;
- Glass unloading designed as a “drive forward” delivery system, eliminating backup alarms as a noise source at that location;
- Use of an Electric rail car mover;
- Air handling units and fans to be low noise units, fitted with silencers, or be placed within rooftop barriers for sound attenuation;
- Acoustic louvered air intakes to provide baffling for noise attenuation;



# SITE SUITABILITY CRITERIA

## NUISANCE CONDITIONS - LITTER & MITIGATION

South Coast Renewables will mitigate potential nuisance litter using the following measures:

- Regular sweeping and litter patrols.
- Conducting all waste handling activities indoors.
- Maintaining equipment on-site that will remove the materials from the tipping floor on a frequent basis.
- Covering all trailers or railcars [netting/tarp/other] after bulk loading (following CSX Standards).
- Requiring inbound loads to be properly covered.
- Implementing a daily inspection program as a part of the Operations & Maintenance Program.



# SITE SUITABILITY

## NUISANCE CONDITIONS- DUST MITIGATION

**South Coast Renewables will mitigate the potential nuisance of dust using the following measures:**

- Conducting waste handling/processing activities indoors.
- Maintaining equipment on-site that will remove the materials from the tipping floor for subsequent processing.
- Covering the trailers following bulk loading.
- Sweeping the exterior paved areas and the interior of the building (as needed) at regular intervals.
- Using an atomizing misting system within the confines of building that will be strategically placed to remove dust from the air within the building (e.g., door perimeters, tipping area, processing and loading area).
- Closing the doors as practicable.
- Closing the tipping doors when there is an increased potential for nuisance conditions.
- Use of additional water to dampen loads as a means to control dust, if needed.



# SITE SUITABILITY

## NUISANCE CONDITIONS-VECTORS MITIGATION

**Vector control measures will be followed at the Facility. Management measures include:**

- Contracting with a vector control management firm.
- Installing rodent bait stations within and around the interior and exterior of the building.
- Conducting waste handling activities indoors.
- Maintaining equipment on-site that will remove the materials from the tipping floor for outbound loading.
- Following a first in - first out procedures for inbound/outbound waste.
- Sweeping the paved areas and the interior of the building (as needed) at regular intervals.
- Instituting a daily inspection program for vectors following the MassDEP approved Operations and Maintenance Plan for the Facility.



# SITE SUITABILITY

## NUISANCE CONDITIONS- ODORS AND MITIGATION

- South Coast Renewables does not anticipate that nuisance odor conditions will occur off-site. However, South Coast Renewables will incorporate policies and procedures to ensure that nuisance odor conditions do not exist. Policies and procedures with respect to nuisance odor conditions include the following measures:
  - Facility will follow first in – first out procedures.
  - Any putrescible waste will take priority with respect to baling/removal
  - The building will be equipped with a misting system with odor counteractants to minimize odor potential.
  - Ventilation fans will control odors within building and through dispersion.
  - Odor neutralizing agents will also be introduced through the misting system.

Note: Odor modeling was performed with a 1 D/T threshold (very/conservative as most modeling used 5 D/T).



# CONTACT INFORMATION

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## Additional Information

<https://parallelproductssustainability.com/#new-bedford>