Modernizing the CT Solid Waste System
Manhattan Construction Company founded in 1896, Manhattan Construction Company is ranked among the top construction firms in the nation with a $15+ billion project portfolio.

The firm’s services include Manhattan’s trademarked Builder-Driven Pre-Construction®, construction management, general building, and design/build.

Valoriza Servicios Medioambientales (VSM) (Est. 1982), a subsidiary company of Sacyr Group, is one of the world’s leading companies in the operation of treatment and recovery plants, serving four million customers. VSM has successfully designed and constructed over 50 waste treatment facilities, and operates 41 of them in many countries.

It operates in the US through Sacyr Environment USA.

Evolution of Solid Waste Disposal

Landfilling \rightarrow \textbf{Mass Burning} \rightarrow \textbf{Recycling and Recovering Material}
SRRT Solution

**Current situation**
- MSW 100%
  - Waste Processing Facility
    - Recyclable Materials
    - Raw RDF
      - Incineration 98%
        - PBF
  - Ferrous scrap

**SRRT Proposal**
- MSW 100%
  - Mech. Treatment Plant
    - A.D. Anaerobic Digestion
      - Digestate
        - Biological Treatment Aerobic
          - Recovered Materials
          - Renewable Natural Gas
    - Clean RDF
      - Incineration 50%
        - Compost
        - PBF
  - PBF

**50% Reduction**
SRRT Benefits

Greater Hartford Region

Economic

Environmental
Greater Hartford Region Benefits

- Local hiring and purchasing
- New education center
- Aesthetic improvements to the facility
- Remediation of part of the site
- Increased public access to the riverfront
- Upgrades to the Power block and reduction by half of waste combusted will reduce the potential for environmental and human health impacts for residents
Three Pillars of Community Engagement

**Public Outreach**

- Support of City’s communication goals.
  - Connection to Charter Oak Landing.
  - Recovery Welcome Center.
  - Educational Visitor Center.
  - Community meetings.
  - Virtual Reality Tours.

**Education**

- Support of STEM education.
  - Stakeholder facility tours.
  - Educational visitor center.
  - IMAX recovery experience.
  - Online educational tools.
  - Classroom outreach program.

**Local Investment**

- Enhanced economic impact.
  - Well-paying direct and indirect jobs created.
  - Local contractor involvement.
  - Meaningful MBE/WBE participation.
  - Enhanced working environment.
Environmental Benefits

- Recovery of over 40% of Incoming MSW
- 50% waste combustion reduction
- Maintain In-state waste management capacity

Recycling
Anaerobic Digestion
Composting
Pollutants and CO₂ reduction
Avoid reliance on out-of-state landfilling
Consistent with the 2016 CMMS and state´s statutory waste management hierarchy
Economic Benefits

- New jobs
- Valuable commodities
- Tipping fees
- Stabilization
Thank You!

Questions???