

Upper Cape Regional Transfer Station

Feasibility Reuse Study

Project Update

Board of Managers Meeting

January 13, 2016



Project Objective

- Project objective:
 - *Determine whether a cost-feasible solution is possible to continue operation of the UCRTS for solid waste disposal; and*
 - *Study possible reuse opportunities for the existing UCRTS that would both be compatible with the JBCC's mission and advantageous to the Upper Cape communities and JBCC.*

Matrix of Uses

- Identified Potential Uses
- Resources
 - Member Towns
 - ANG
 - Cape Cod Commission
 - MassDevelopment
 - Private Industry
 - Outside Consultant (RKG Associates)

Matrix of Uses

- Identified Potential Uses:
 1. Solid Waste Transfer Station
 2. C&D Transfer Station
 3. Single Stream Recycling Transfer Facility
 4. Compost Facility, Outdoor
 5. Salt Storage
 6. Rail Head
 7. WWTP/Septic Sludge, Food Waste, Organics Transfer Facility
 8. C&D Processing Facility
 9. Single Stream Recycling MRF
 10. Composting, WWTP/Septic Sludge, Food Waste, Organics
 11. Anaerobic Digestion Facility
 12. Food Waste Preparation Facility
 13. Renewable Energy Facility

Matrix of Uses

- Identified Criteria
 - Anticipated Market Demand
 - Capital Improvements
 - Compatible with Base Use
 - Compatible with Possible Future Surrounding Development
 - Compatible with Current Permits and Consent to Lease

Matrix of Uses

- Identified Criteria
- Weighted Criteria (by order of Importance)
 - Anticipated Market Demand; 10
 - Capital Improvements; 5
 - Compatible with Base Use; 2
 - Compatible with Possible Future Surrounding Development; 2
 - Compatible with Current Permits and Consent to Lease; 2

Higher +
- Lower

Matrix of Uses

- Methods

Score is multiplied by the Weight (i.e. 1 x 10 = 10)

Potential Use	Description	Anticipated Facility Upgrades	Market Demand	Weight:					Total Score	
				Anticipated Market Demand	Capital Improvements	Compatible with Base Use	Compatible with Possible Future Surrounding Development	Compatible with Current Permits and Consent to Lease		
Solid Waste Transfer Station	Facility to operate in similar manner as current operation, accepting and shipping MSW. Operations may change from rail transfer to truck transfer depending on user.	Low	Low	UCRTS Towns or 3rd Party (PPP)	1	5	5	5	5	65
C&D Transfer Station	Facility to accept C&D material for transfer to process facility. Operations may change from rail transfer to truck transfer depending on user.	Low	Moderate	UCRTS Towns or 3rd Party (PPP)	4	5	5	5	3	91

Sum of (Score x Weight of Each) = Total Score

Matrix of Uses

- Results

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Summary of Matrix and Ranking of Potential Uses, Anticipated Current Demand

Rank	Description	Total Score
1	C&D Transfer Station	91
2	Renewable Energy Facility, Potential for Compatible Use	79
3	Salt Storage, Potential for Compatible Use	73
4	Compost Facility, Outdoor	71
5	Single Stream Recycling Transfer Facility	69
6	Rail Head	69
7	Solid Waste Transfer Station	65
8	WWTP/Septic Sludge, Food Waste, Organics Transfer Facility	59
9	Composting, WWTP/Septic Sludge, Food Waste, Organics	59
10	C&D Processing Facility	55
11	Food Waste Preparation Facility	49
12	Single Stream Recycling MRF	45
13	Anaerobic Digestion Facility	39

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Summary of Matrix and Ranking of Potential Uses, Anticipated Future Demand

Rank	Description	Total Score
1	C&D Transfer Station	91
2	Solid Waste Transfer Station	85
3	Renewable Energy Facility, Potential for Compatible Use	79
4	Salt Storage, Potential for Compatible Use	73
5	Compost Facility, Outdoor	71
6	Single Stream Recycling Transfer Facility	69
7	Rail Head	69
8	WWTP/Septic Sludge, Food Waste, Organics Transfer Facility	69
9	Composting, WWTP/Septic Sludge, Food Waste, Organics	69
10	Food Waste Preparation Facility	59
11	C&D Processing Facility	55
12	Single Stream Recycling MRF	45
13	Anaerobic Digestion Facility	39

Matrix of Uses

- *Short term C&D (or residuals) transfer with some processing appears to be the best public or private sector use.*
- *The site may have long-term value to member towns as a transfer facility, for which it was developed and constructed, and should be maintained.*
- *In addition to a C&D transfer facility, opportunities exist for potential coexistence with the transfer operations. Potential feasible options include continued use for CDL testing, salt storage, and renewable energy..*

C&D Residuals

- Residuals – C&D waste material that remains after recyclable materials (asphalt, brick, concrete, metals, etc.) and C&D Fines have been removed during processing of C&D wastes and which consists mostly of wood (clean and dirty mixed), textiles (carpet, fabric, etc.), and plastic.



Questions/Comments on the Report

Next Steps/Process and Schedule

- Determine the benefits of preparing an RFP
 - Develop RFP
 - Solicit Proposals/Review Proposals
 - Negotiate
 - Award Contract
 - Consider Co-Habitat Uses
- Decide on Schedule

Other Discussion Items

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- *planning*
- *permitting*
- *design*
- *construction*
- *operation*
- *maintenance*
- *forensic engineering*

Thank You

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