

RI Solid Waste Strategic Options

<u>OPTIONS</u>	<u>Key Objectives</u>	<u>LF Closes</u>
<u>A. Implement Near Term (2015 - 2020)</u>		
1.) Maintain Status Quo	Maintain current loading of 750k tons/yr. Seek incremental improvements in existing programs. Minimal investments in new projects. Manage facility to minimize tip fee increases.	2038
2.) Invest in New Programs and Policies to reduce waste.	Solid Waste loading reduced up to 200k tons - Improved paper and packaging recycling - Expansion of EPR - Increased commercial recycling and food waste diversion.	2045
3.) Become primarily a Municipal Disposal Facility	Commercial Solid Waste Loading reduced by 250k tons thru price increases that push volume to lower cost alternatives. Preserve landfill capacity for municipalities	2047

B. Evaluate (2015 - 2020) then Implement a Long Term Solution		
1.) Transport/Dispose most RI waste at out of state facilities/landfills.	Assess locations/logistics/cost and implement by 2020. Maintain minimal local disposal fo back-up.	2065++
2.) Utilize technology to process solid waste.	Assess viability of the various waste-to- energy technologies to manage RI waste by 2025. Also assess a Phase VII expansion required for ash/residue disposal. A pre-requisite should be to pursue near term option #2. Five year period for evaluation, vetting, RFI, RFP, hearings, and final decisions. Three to five years for bid, permits, financing, and construction. Facility online 2025.	2065++
3.) Pursue a "Zero" Waste Objective.	Develop policies and plans to maximize diversion from WTE and LF: <ul style="list-style-type: none"> - Organics - Durables - MRF Materials - Special Waste 	2045 - 2050
4.) Explore feasibility of a major expansion of a RI landfill	Acquire property, site, permit and develop major 25+ year expansion of a RI landfill.	2065

		<u>RI Solid Waste Strategic Options</u>				
<u>OPTIONS</u>	<u>Key Objectives</u>			<u>IMPACTS</u>		
<u>A. Implement Near Term (2015 - 2020)</u>		<u>Financial Costs</u>		<u>Environmental Emissions</u>		<u>LF Closes</u>
1.) Maintain Status Quo	Maintain current loading of 750k tons/yr. Seek incremental improvements in existing programs. Minimal investments in new projects. Manage facility to minimize tip fee increases.	Municipal Tip Fee:	→	Landfill:	↘	2038
		Program and Operating:	→	Transportation:	↘	
		Collection/Transportation:	→	Processing:	↘	
		Capital:	→			
2.) Invest in New Programs and Policies to reduce waste.	Solid Waste loading reduced up to 200k tons - Improved paper and packaging recycling - Expansion of EPR - Increased commercial recycling and food waste diversion.	Municipal Tip Fee:	↗	Landfill:	↘	2045
		Program and Operating:	↗	Transportation:	→	
		Collection/Transportation:	↗	Processing:	→	
		Capital:	↗			
3.) Become primarily a Municipal Disposal Facility	Commercial Solid Waste Loading reduced by 250k tons thru price increases that push volume to lower cost alternatives. Preserve landfill capacity for municipalities	Municipal Tip Fee:	↑	Landfill:	↘	2047
		Program and Operating:	→	Transportation:	↗	
		Collection/Transportation:	↗	Processing:	↗	
		Capital:	→			
<u>B. Evaluate (2015 - 2020) then Implement a Long Term Solution</u>						
1.) Transport/Dispose most RI waste at out of state facilities/landfills.	Assess locations/logistics/cost and implement by 2020. Maintain minimal local disposal for back-up.	Municipal Tip Fee:	↗	Landfill:	↓	2065++
		Program and Operating:	→	Transportation:	↗	
		Collection/Transportation:	↑	Processing:	↗	
		Capital:	↗			
2.) Utilize technology to process solid waste.	Assess viability of the various waste-to-energy technologies to manage RI waste by 2025. Also assess a Phase VII expansion required for ash/residue disposal. A pre-requisite should be to pursue near term option #2. Five year period for evaluation, vetting, RFI, RFP, hearings, and final decisions. Three to five years for bid, permits, financing, and construction. Facility online 2025.	Municipal Tip Fee:	↑	Landfill:	↓	2065++
		Program and Operating:	↗	Transportation:	↘	
		Collection/Transportation:	→	Processing:	↑	
		Capital:	↑		5	
3.) Pursue a "Zero" Waste Objective.	Develop policies and plans to maximize diversion from WTE and LF: - Organics - Durables - MRF Materials - Special Waste	Municipal Tip Fee:	↑	Landfill:	↓	2045 - 2050
		Program and Operating:	↑	Transportation:	↑	
		Collection/Transportation:	↑	Processing:	↓	
		Capital:	↑			
4.) Explore feasibility of a major expansion of a RI landfill	Acquire property, site, permit and develop major 25+ year expansion of a RI landfill.	Municipal Tip Fee:	↗	Landfill:	↑	2065
		Program and Operating:	→	Transportation:	↘	
		Collection/Transportation:	→	Processing:	↘	
		Capital:	↑			