

# Riverside Recycling Operations and Markets

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## Portland Demographics

Maine's largest city – 65,000  
Metro region – 350,000



## Local C&D Market

### National Haulers:

- Waste Management
- Casella (Pine Tree Waste)

### Significant Local Haulers:

- Troiano Waste Services
- BBI
- Reynolds and Sons

### C&D Transfer/Processing Facilities:

- Riverside Recycling
- Troiano – South Portland
- Plan-It – Gorham
- BBI – Old Orchard Beach

### Scrap Metal

- Schnitzer
- E. Perry



## Riverside Recycling



### Public Private Partnership

- Facility owned by City of Portland
- Operating permits held by the City
- Site operated by CPRC Group under long term contract
  - Operations
  - Material Handling
  - Recycling or Disposal
- City ensures compliance with permits and contract



# Site Evolution

- Site of Hamlin's Pit Landfill – primarily C&D
- Closed & Capped in 1994
- Bulky Waste / CDD processing facility permitted in 1995
- City contracts operation and management to a small local firm
- Contractor experiences difficulty managing operations & moving materials
- City seeks new operator in 2004
- Competitive RFP with assistance of GBB
- City selects CPRC of Scarborough, ME to operate in 2005
- CPRC and the City invest in site improvements to enhance operations (2006 – 2010)
- Food waste composting permitted by ME DEP in summer of 2010 (600 cy / month)



# Prior to Renovation



# Post Renovation



## Key Site Improvements

- Improved layout allowing segregation of residential and commercial vehicles
- Creation of elevated bins, accessible from top or bottom
- Installation of 2<sup>nd</sup> scale
- Construction of universal waste storage building and HHW storage unit
- Exit for commercial vehicles





### Strong residential Focus

Facility serves as regional residential facility  
High traffic volume  
Daily count exceeds 1,000 vehicles on peak Saturdays



### Commercial Accounts

C&D haulers, local and regional  
Small businesses  
Municipal vehicles – City of Portland and regional



# Materials Handled

Cal. Year	C&D Waste	Inert	Shingles	Metals	Gypsum	Glass	OCC	Yd Waste	Brush	All wood	Total
2008	33099.91	4511.35	5478.15	1166.19	1253.54	234.64	151.29	2773.98	3377.42	6101.66	58148.13
	56.9%	7.8%	9.4%	2.0%	2.2%	0.4%	0.3%	4.8%	5.8%	10.5%	
2009	18374.8	3462.06	4892.78	1161.59	951.01	176.63	113.87	2568.36	3569.5	3883.26	39153.86
	46.9%	8.8%	12.5%	3.0%	2.4%	0.5%	0.3%	6.6%	9.1%	9.9%	



## Markets

CPRC uses the following in products they create and sell:

- Green wood (mulch, erosion control material, playground chips)
- Inert materials (C&R gravel, fill, resale)
- Shingles (C&R gravel)
- Gypsum Board (C&R gravel, drying agent)
- Yard Waste (loam, mulch)



## Markets Continued

CPRC has outside markets for the following material:

- C&D wood (fuel)
- Shingles (asphalt)
- Metals (scrap)
- Non-recyclable (landfill)



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## C&D Wood to Energy

### Factors influencing the market :

- Falling electricity prices
- Competition
  - Virgin chip
  - Other facilities
  - Limited number of outlets
- Regulation
  - NH ban of C&D Fuel
  - Strict contaminant restrictions in ME
- Negative public perception
- Economy
- Price of diesel fuel (transportation)



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## Riverside's Strategy re: Wood Markets

Diversify – don't rely on volatile  
C&D to fuel markets as only outlet

Seek long term contracts

Current arrangements with several  
Canadian mills

For municipal facilities, marketing  
C&D wood as fuel is cheaper than  
landfill

Using wood as fuel is better  
environmentally than disposal



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## Thanks

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