

A New Direction for Recycling

Connecticut Resources Recovery Authority
Mid-Connecticut Project

August 17, 2005



Welcome

Michael A. Pace

Chairman, CRRA Board of Directors
First Selectman, Town of Old Saybrook

August 17, 2005



Welcome

Thomas D. Kirk

President, CRRRA

August 17, 2005



A New Direction for Recycling

- FCR to build new Mid-Conn regional recycling facility (RRF)
 - \$6m state-of-the-art RRF
 - On site of current container facility
 - Single facility to replace two existing centers



A New Direction for Recycling

- New RRF capacity 160,000 tons per year
 - Existing capacity 78,000 tons per year
 - Take more trash out of the waste stream, reducing tonnages billed to towns



A New Direction for Recycling

- Recycling has historically been subsidized by MSW tip fees
- New RRF to realize \$2.7m per year
 - Savings to ratepayers
 - China's demand for materials driving up prices



A New Direction for Recycling

Projected timetable

Task/Activity	Duration
Design	2 months
DEP Permit Modification	6 months
Equipment Procurement	6 – 8 months
Construction	6 months
Final Acceptance	9 weeks
Recyclable Diversions	3 months



A New Direction for Recycling

James W. Bohlig

President and COO, Casella Waste Systems, Inc.

Sean Duffy

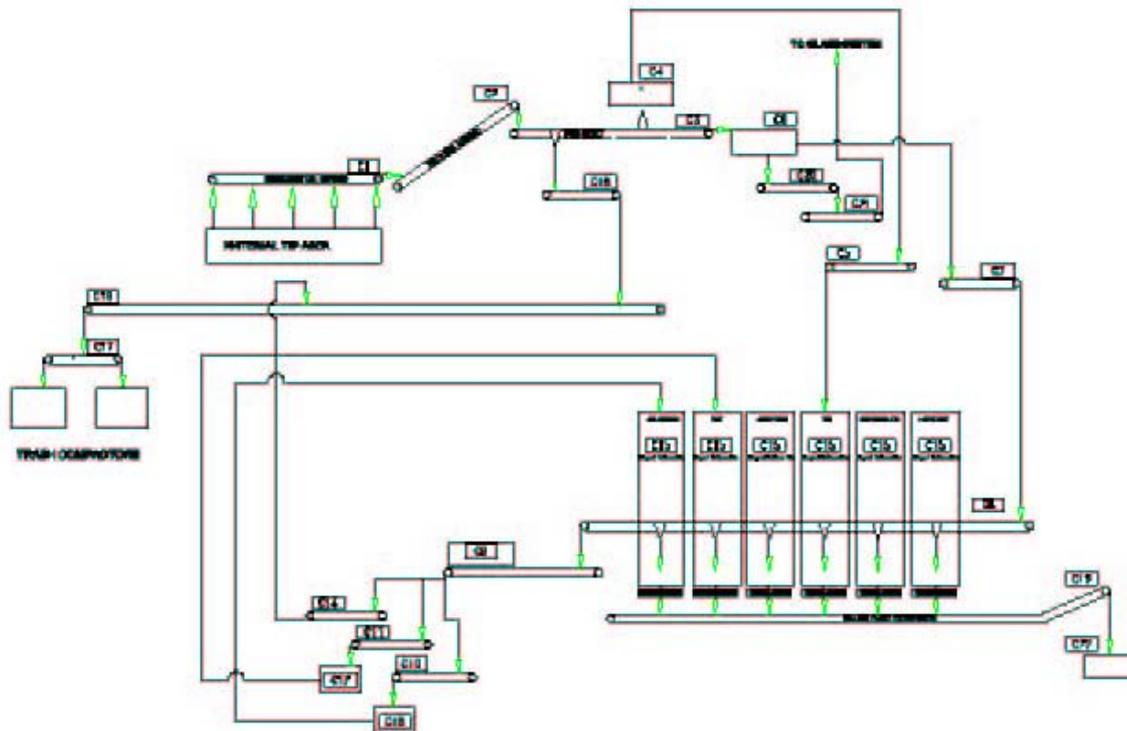
President, FCR, Inc.

August 17, 2005



How It Works

Container Flow Diagram Model



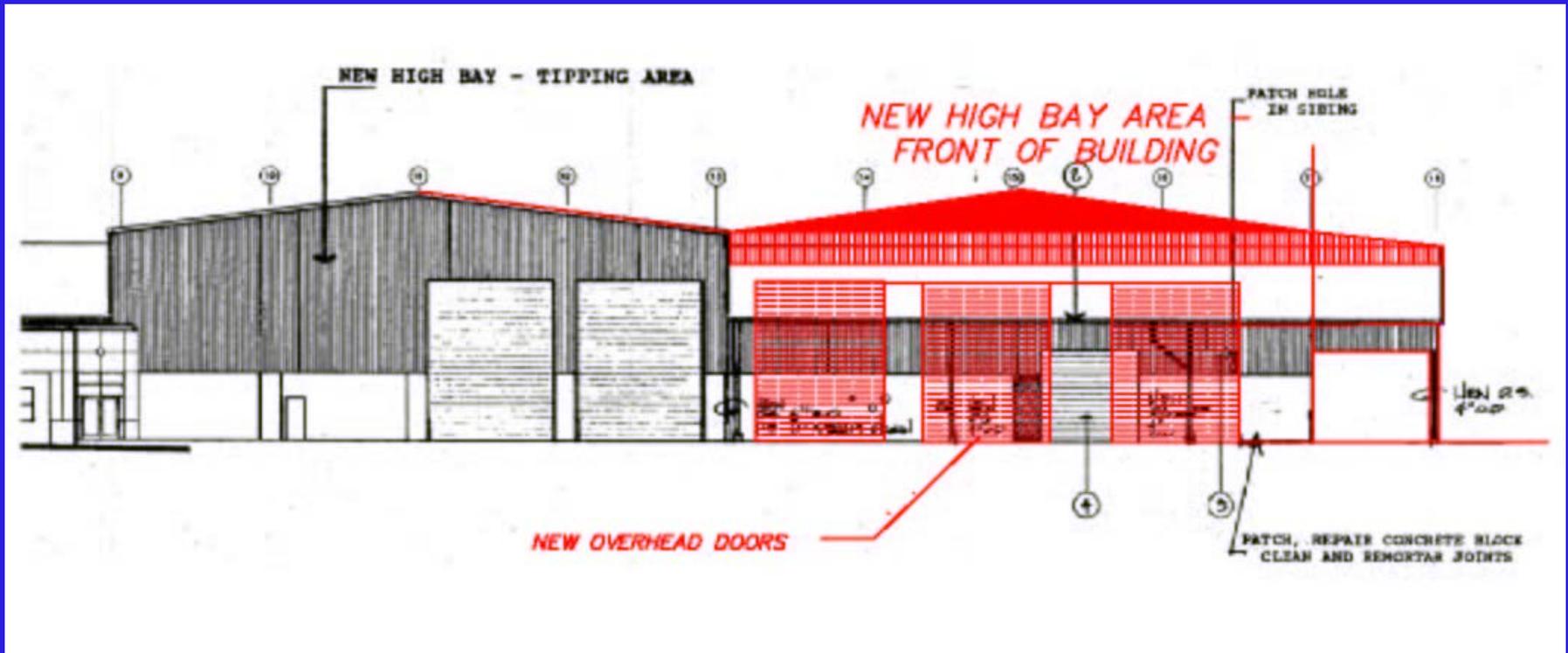
Component	Component Description	Model Description	Material	Equipment Size (L x W)	HP	Speed
C1	Internal Conveyor	Roller Chain	100	48' x 30"	1.5	150
C2	Internal Conveyor	Roller Chain	400	48' x 30"	1.5	150
C3	Conveyor Bin/Sort Conveyor to Product Feed Station	Flat Bed	100	48' x 30"	3	150
C4	Conveyor Bin/Sort Conveyor to Product Feed Station	Flat Bed	100	48' x 30"	3	150
C5	To Transfer Conveyor	Flat Bed	100	24' x 30"	2	150
C6	Glass Breaker Bin/Sort	100/150	100	48' x 30"	3	150
C7	Conveyor Transfer	TRUCK FEED	100	48' x 30"	3	150
C8	Product Sort Conveyor	Steel	100	24' x 30"	2	150
C9	TRUCK FEEDER 100/150	TRUCK FEED	100	48'	150	150
C10	Air Compressor 50	100/150 (100/150)	100	48'	150	150
C11	Quality Control Line Conveyor for PET and Glass	Steel Floor	100	48' x 30"	3	150
C12	Quality Control Line Conveyor for PET and Glass	Steel Floor	100	48' x 30"	3	150
C13	PET 100 Storage Bin/Sort and Conveyors	TRUCK	100	10' x 30"	1.5	150
C14	ALUMINA STORAGE Bin/Sort and Conveyors	TRUCK	100	10' x 30"	1.5	150
C15	100 Product Conveyor	Steel	100	30' x 30"	3	150
C16	Conveyor Bin/Sort	TRUCK FEED	100	0	1.5	150
C17	Product Transfer Conveyor	Steel Floor	100	24' x 30"	2	150
C18	Product Transfer Conveyor	Steel Floor	100	24' x 30"	2	150
C19	Product Transfer Conveyor C-10	Steel Floor	100	30' x 30"	3	150
C20	Roller Feed Conveyor	Steel Floor	100	48' x 30"	1.5	150
C21	Glass Breaker Conveyor C-20	Steel Floor	100	30' x 30"	3	150
C22	Glass Breaker Conveyor C-20	Steel Floor	100	30' x 30"	3	150
C23	Roller 100	Roller/Steel 2' Norm	100	100	150	150

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How It Works

Building Modifications

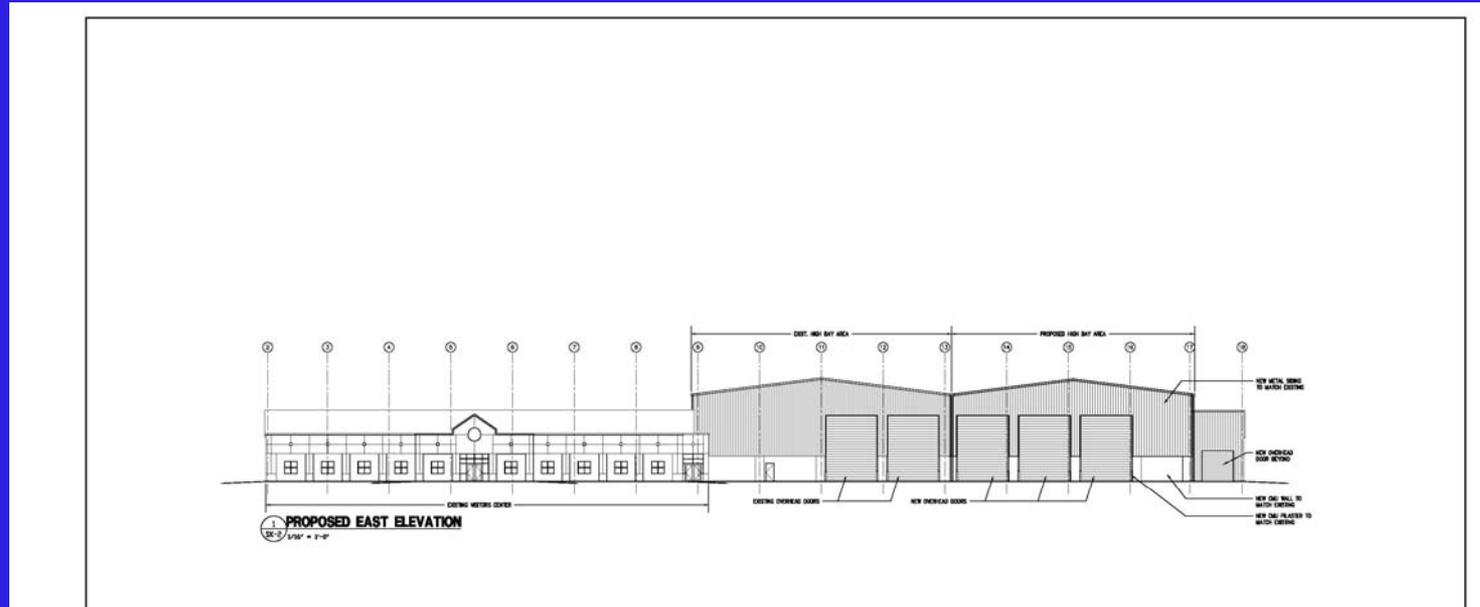


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How It Works

High Bay Tipping Area Addition and Renovations



<table border="1"> <tr> <th>Revision</th> <th>Drawn By</th> <th>Apprv. By</th> <th>Date</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>		Revision	Drawn By	Apprv. By	Date													<table border="1"> <tr> <td>Project No.</td> <td>07-29-05</td> </tr> <tr> <td>Drawn By</td> <td>SPB</td> </tr> <tr> <td>Apprv. By</td> <td>SPB</td> </tr> <tr> <td>Checked By</td> <td>SPB</td> </tr> </table>	Project No.	07-29-05	Drawn By	SPB	Apprv. By	SPB	Checked By	SPB	<p>PROGRESS PRINT 07-29-05</p>		<p>CONNECTICUT RESOURCES RECOVERY AUTHORITY 211 MURPHY ROAD HARTFORD, CONNECTICUT</p>	<table border="1"> <tr> <td colspan="2">HIGH BAY TIPPING AREA ADDITION AND RENOVATIONS</td> <td>Drawing No.</td> </tr> <tr> <td colspan="2">EAST ELEVATION</td> <td>SK-2</td> </tr> <tr> <td>SCALE: AS SHOWN</td> <td>DATE:</td> <td>SHEET OF</td> </tr> </table>	HIGH BAY TIPPING AREA ADDITION AND RENOVATIONS		Drawing No.	EAST ELEVATION		SK-2	SCALE: AS SHOWN	DATE:	SHEET OF
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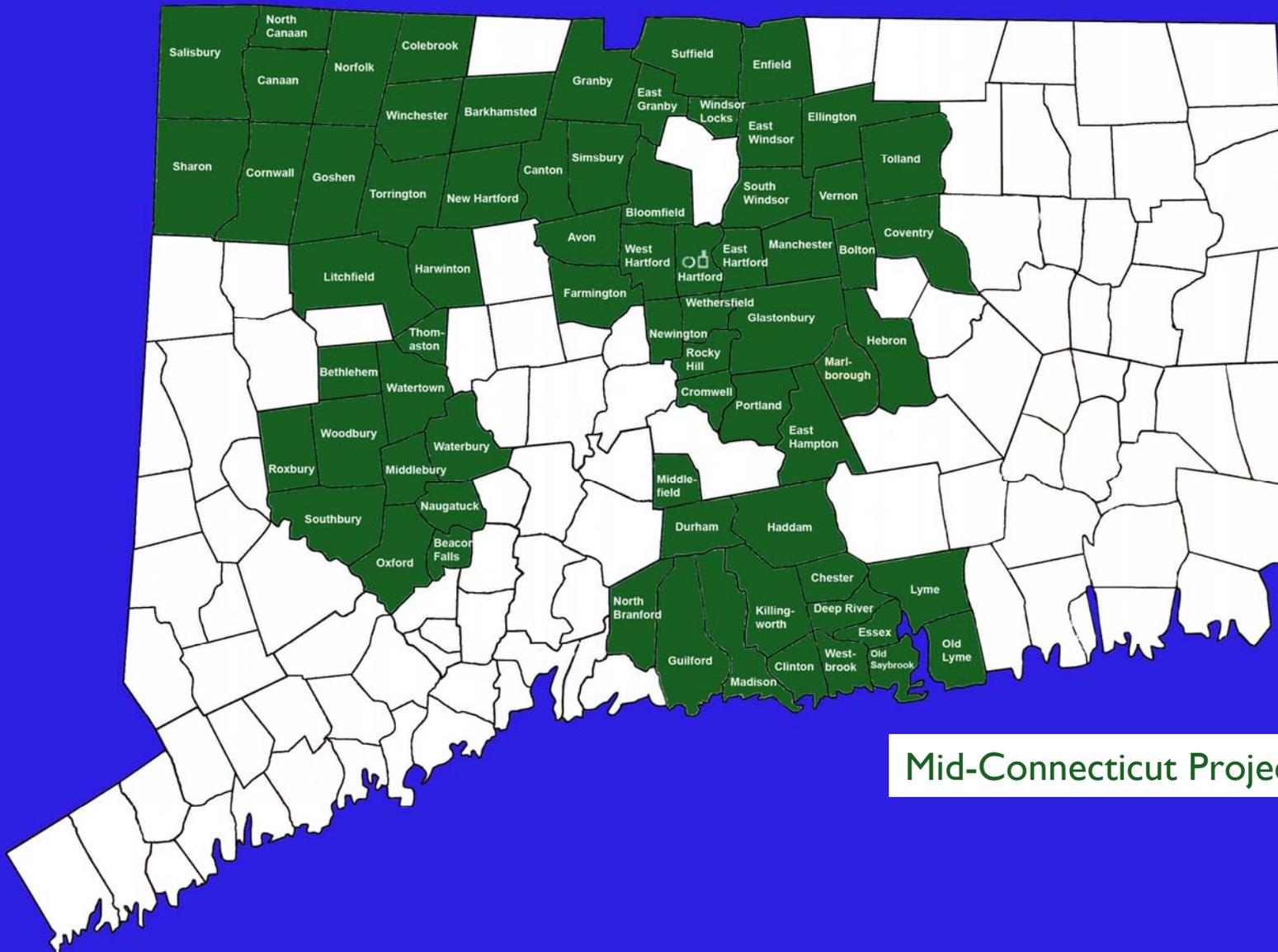
Sean Duffy

President, FCR, Inc.

August 17, 2005



Mid-Connecticut Recycles



Mid-Connecticut Project towns



Mid-Connecticut Recycles

- Currently:
 - No. 1, No. 2 plastic containers
 - Aluminum containers
 - Steel cans
 - Glass containers
 - Corrugated cardboard
 - Newspaper



Mid-Connecticut Recycles

- Currently:
 - No. 1, No. 2 plastic containers
 - Aluminum containers
 - Steel cans
 - Glass containers
 - Corrugated cardboard
 - Newspaper
- After new RRF opens add:
 - Boxboard (cereal boxes, shoe boxes)
 - Aerosol cans
 - Oversized glass and steel containers (gallon jars, No. 10 cans)



Mid-Connecticut Recycles

- Currently:
 - No. 1, No. 2 plastic containers
 - Aluminum containers
 - Steel cans
 - Glass containers
 - Corrugated cardboard
 - Newspaper
- In October 2005 add:
 - Mixed paper
 - Junk mail
 - Catalogues
 - Office paper
 - Magazines



A New Direction for Recycling

C. J. May

President, Connecticut Recyclers Coalition

August 17, 2005



Your Questions

August 17, 2005

