

Memorandum



CITY OF DALLAS

DATE April 17, 2017

Honorable Members of the Quality of Life and Environment Committee:
TO Sandy Greyson (Chair), Tiffinni A. Young (Vice Chair), Rickey D. Callahan, Mark Clayton, Philip T. Kingston, B. Adam McGough

SUBJECT **Materials Recovery Facility Update**

On Monday, April 24, 2017, you will be briefed on the Materials Recovery Facility Update. The briefing materials are attached for you review.

Please feel free to contact me if you have any questions or concerns.

A handwritten signature in blue ink, appearing to read 'Jill Jordan'.

Jill A. Jordan, P.E.
Assistant City Manager

Attachment

c: Honorable Mayor and Members of the City Council
T.C. Broadnax, City Manager
Larry Casto, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Kimberly Bizzor Tolbert, Chief of Staff to the City Manager
Raquel Favela, Chief of Economic Development & Neighborhood Services

Majed A. Al-Ghafry, Assistant City Manager
Jo M. (Jody) Puckett, P.E. Interim Assistant City Manager
Eric D. Campbell, Assistant City Manager
Joey Zapata, Assistant City Manager
M. Elizabeth Reich, Chief Financial Officer
Alan E. Sims, Interim Chief of Community Services
Directors and Assistant Directors

Material Recovery Facility Update

**Quality of Life & Environment Committee
April 24, 2017**

**Kelly High, Director
Sanitation Services
City of Dallas**



Presentation Overview

- Provide background, history and timeline leading to the completion of the new Material Recovery Facility (MRF)
- Show the historical construction progression of the MRF
- Present Ribbon Cutting Ceremony
- Provide facility overview
- Discuss Next Steps

Path To Our New MRF

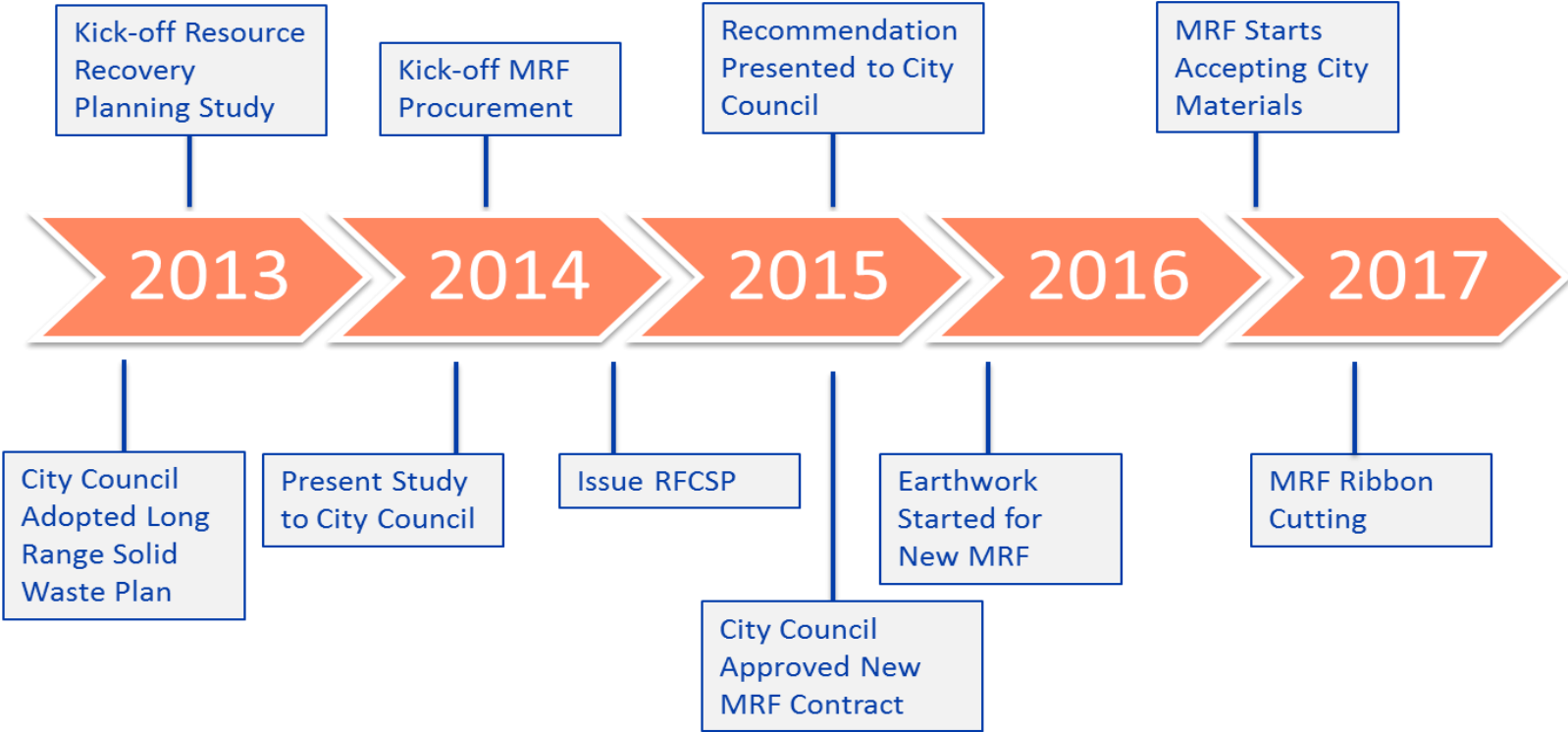
- In June of 2013, Council approved a Resource Recovery Planning Study to determine what current diversion options/technologies could help the City meets its goals
 - At the time, the City's recycling contract was set to expire on December 31, 2016 and a plan to procure a new contract or pursue a different diversion technology needed to begin immediately
 - The study evaluated four diversion technologies, but single stream recycling processing was the most technically and financially viable to pursue

Path To Our New MRF

- Based on recommendations from the study, the City pursued a procurement to allow proposers to bid utilizing two methods
 - Traditional processing services agreement at a new or existing facility or build a new facility on 15 acres that would be made available at the McCommas Bluff Landfill
 - In December 2014 the City issued the RFCSP
- In September 2015, Council awarded a 15 year contract, with two-five year renewal options, to FCC to design, build and operate a new MRF at the McCommas Bluff Landfill

4

History of the Material Recovery Facility Planning and Development



The Concept



MRF Within the Landfill

FCC Design



The Build!



Pre-Earthwork

Earthwork Begins



The Build!



Foundations Set

Walls Raised



The Build!



Roof Installed

Paint



The Build!



All Buildings Constructed

Final Touches



Grand Opening – March 28, 2017



Grand Opening – March 28, 2017



Viewing Gallery



Gallery Design

The Facility



Tipping Floor/Viewing Gallery

Tipping Floor View From Gallery



The Facility



Overview

Sorting Cabins



The Facility



Climate Controlled Sorting Cabin

Optical Sorting



The Facility



Paper Quality Control Sorting

Paper Quality Control Sorting



The Facility



Sorting Line

Conveyor to Optical Sort



The Facility



Glass Sorting System

Container and Aluminum Sort



The Product



PET #1 Bales

Cartons



The Product



Mixed Paper Bales

HDPE Natural & Color and Mixed Plastics



The Product



Aluminum Bales

Corrugated Containers - "Cardboard"



Education and Outreach Room



Staff Recommendation

- This is an informational briefing. No action is required



Next Steps

- The City's Zero Waste team will continue working with FCC to develop an education and outreach plan
 - Outreach and education to target residents, Dallas schools, and other organizations
 - Staff will work to incorporate tour opportunities that include the adjacent landfill to show the importance of waste reduction and diversion

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