



Solid Waste Program Updates

Environmental Commission Meeting

December 7, 2017



Topics

- MRF Update
- Ann Arbor Solid Waste Plan Update
- Status of Major Program Contracts
- County Planning/Regionalization Examination
- Budget Update



MRF Update Facility Update

- Fire at the MRF on August 8th
- Subsequently several unanticipated work items/expenditures
 - Fire Alarm and Electrical Work
 - Sprinkler System Improvements
 - Cleaning and Removal of Accumulated Material
 - Baler Feed Conveyor Cleaning and Inspection
 - Push-Wall Repairs and Modifications
 - Recycling Processing by Western Washtenaw Recycling Authority during Cleaning



MRF Update

Baler Status

- One of two necessary conveyors that feed material into the baler is not operable
- Recycle Ann Arbor's (RAA's) original Loose Loading proposal doesn't utilize the baler or conveyor
 - Been operating under Loose Loading method since fire on August 8, 2017
- RAA's "Hybrid Method"
 - Baling Commercial recyclables and shipping to separate, local processor
 - Due to high percentage of high quality OCC, more financial advantage
- Analysis indicates that investment to repair/modify conveyor to utilize Hybrid Method is financially positive
- Staff following necessary procurement procedures
 - City Council approval will be required for expenditure



MRF Update

Material Composition Audit Results

- Results of 11/3/17 audit of Loose Loading method

SINGLE-STREAM CATEGORY	ALLOCATION
Cardboard #11 (OCC)	20.90%
Mixed Paper	35.08%
Sorted Residential (News)	14.56%
Steel Cans	1.29%
Aluminum Cans	0.20%
HDPE	0.97%
PET	1.84%
#1 - #7 Mixed Plastic	0.95%
Scrap Metal	1.27%
Mixed glass	12.21%
Residuals	10.73%

MRF Update

Material Composition Audit Results

- Comparison of results of 11/3/17 audit and 10/5/16 Waste Management audit

SINGLE-STREAM CATEGORY	RAA ALLOCATION	WM ALLOCATION
Cardboard #11 (OCC)	20.90%	19.60%
Mixed Paper	35.08%	48.60%
Sorted Residential (News)	14.56%	(included in Mixed Paper)
Steel Cans	1.29%	1.30%
Aluminum Cans	0.20%	0.25%
HDPE	0.97%	1.20%
PET	1.84%	2.48%
# 1 - #7 Mixed Plastic	0.95%	2.38%
Scrap Metal	1.27%	(included in Steel Cans)
Mixed glass	12.21%	13.06%
Residuals	10.73%	11.06%
Aseptic/Tetra Packaging	(included in Mixed Paper)	0.07%



MRF Update

Market Conditions

- ▶ Recycling commodities pricing influenced by global markets
- ▶ China and “Operation Green Fence” Requirements
 - ▶ Enacted highly restrictive contamination specifications
 - ▶ Delaying issuance of import permits
- ▶ Since March, 2017
 - ▶ OCC market pricing dropped 42%
 - ▶ Mixed Paper market pricing dropped 61%
- ▶ Recycling 101 Session with Kelly Rooney, District Manager, Advanced Disposal
 - ▶ Opportunity to gain better understanding, and context of markets and recycling processing
 - ▶ Thursday, February 1, 2018 beginning at 6:00pm
 - ▶ Environmental Commissioners and City Councilmembers to be invited



MRF Update Moving Forward

- ▶ RAA under contract through 6/30/18
 - ▶ Two options for 6-month extensions
- ▶ Moving forward to repair/modify conveyor to enable baling
- ▶ Will be included in examination of regional opportunities
 - ▶ Right sizing
 - ▶ Equipment replacement
 - ▶ Layout, redesign



Ann Arbor Solid Waste Plan Update Scope Outline of Major Tasks

- Review Recent Washtenaw County Solid Waste Planning
 - City plan to be developed understanding context of County plans
- Review Current State of Ann Arbor Solid Waste Programs
 - Review City Solid Waste Financial Plan
 - Review current capital improvements/needs
 - Review status of existing City of Ann Arbor Solid Waste Plan Goals
 - Review recent and current City planning efforts/initiatives
- Community Engagement
 - Advisory Group(s)
 - Environmental Commission invited to sit on any/all
 - Stakeholder/Focus Group Interviews
 - Establish Program Goals



Ann Arbor Solid Waste Plan Update Scope Outline of Major Tasks (cont'd)

- Downtown Alleys
 - Benchmark similar cities for approaches on service delivery
 - Recommend improvements/adjustments to City service delivery
- FOG (Fats, Oils and Grease)
 - Benchmark similar cities for approaches on FOG
 - Recommend approach(es) for FOG



Ann Arbor Solid Waste Plan Update Scope Outline of Major Tasks (cont'd)

- ▶ Education and Outreach
 - ▶ Recommend approaches for improved effectiveness, recognizing:
 - ▶ Transient nature of residents (students, rentals)
 - ▶ Transient nature of commercial customers (businesses and staff)
- ▶ Ordinances and Regulations
 - ▶ Review existing City Solid Waste Code (Chapter 26) and Regulations (City & State)
 - ▶ Identify any inconsistencies/conflicts
 - ▶ Identify modifications needed to implement any plan recommendations and improve service delivery



Ann Arbor Solid Waste Plan Update Process

- ▶ RFP Process
 - ▶ Complete Request for Proposals (RFP)
 - ▶ Issue RFP
 - ▶ Review submitted proposals
 - ▶ Interview selected firms/teams
 - ▶ Selection of firm/team
- ▶ Council Award of Contract (targeted for March, 2018)
- ▶ Initiate Plan Efforts
 - ▶ 12 – 15 month duration




Status of Major Program Contracts

- Compost Center Operations
 - Current contract with WeCare/Denali expires January 28, 2018
 - Council awarded new contract to WeCare/Denali on December 4, 2017
 - 5-year term, option to extend for up to two additional 5-year terms
- Education and Outreach
 - Current contracts with Ecology Center expire June 30, 2018
 - RFP for 1-year consolidated contract to be issued this winter
 - Long-term contract to be developed following Solid Waste Plan Update
- Collections
 - Residential Recycling with RAA expires June 30, 2018
 - Commercial Waste Collection Franchise with Waste Management expires June 30, 2019




Status of Major Program Contracts Consolidation of Collections

- ▶ Why?
 - ▶ Free up resources for other programs, including new/expanding
 - ▶ Consistent service delivery and customer service
 - ▶ Simplified contract management
 - ▶ Reduction in capital equipment investment and maintenance costs
- ▶ Why discuss now?
 - ▶ Opportune timing
 - ▶ Upcoming expiring contracts
 - ▶ Staffing vacancies and retirements
 - ▶ Accident rates increasing
 - ▶ Aging equipment
 - ▶ On-going CNG fueling problems
 - ▶ Regional examination this winter



County Planning/Regionalization Examination

- ▶ Amended County Solid Waste Management Plan
 - ▶ Presented to Environmental Commission on July 27, 2017
 - ▶ Presented to County Board of Commissioners last night (12/6/17) for approval
 - ▶ Executive Summary at:
http://www.ewashtenaw.org/government/departments/environmental_health/recycling_home_to_xics/solid-waste/swpc.html
 - ▶ County staff will present plan to all jurisdictions in the County for consideration
 - ▶ If at least 2/3 of the twenty-eight municipalities approve plan, will be forwarded to MDEQ for final approval
 - ▶ County looking to present to City Council in January/February
 - ▶ Proposed Resolution for Environmental Commission action

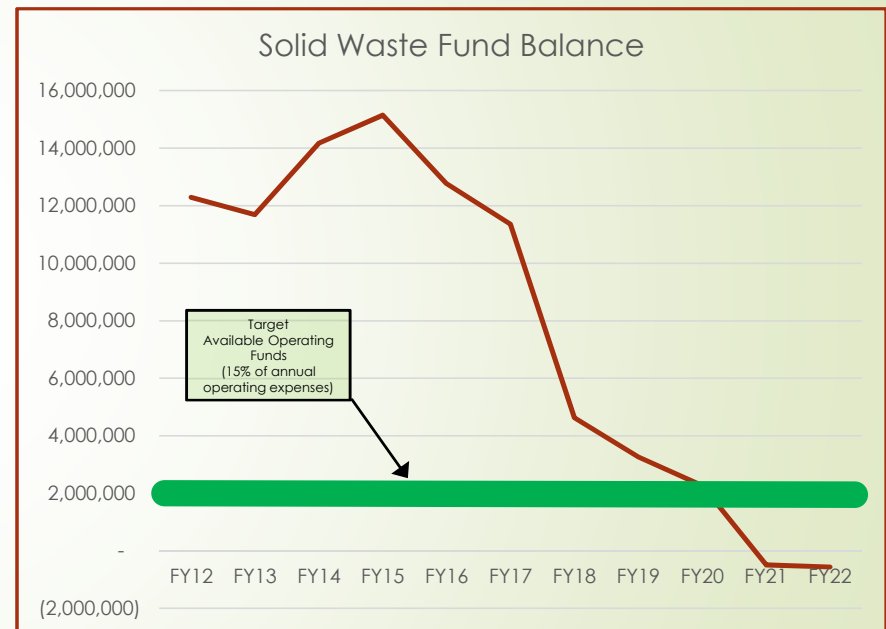


County Planning/Regionalization Examination

- ▶ Regionalization Examination
 - ▶ County-wide jurisdiction stakeholders discussion on 8/2/17
 - ▶ Interest among attendees to examine potential of regional approach to recycling and solid waste
 - ▶ Desire to learn more and understand options
 - ▶ County sponsored *Recycling 101 Session* for jurisdiction stakeholders on 9/21/17
 - ▶ City hosting similar session on Thursday, February 1, 2018
 - ▶ MRF Facility Tours for jurisdiction stakeholders on 11/15/17
 - ▶ Ann Arbor MRF
 - ▶ Western Washtenaw Recycling Authority (WWRA) MRF
 - ▶ Resource Recycling Systems, Inc. (Bob Gedert) to:
 - ▶ Facilitate stakeholder discussions
 - ▶ Study potential options for governance and financing

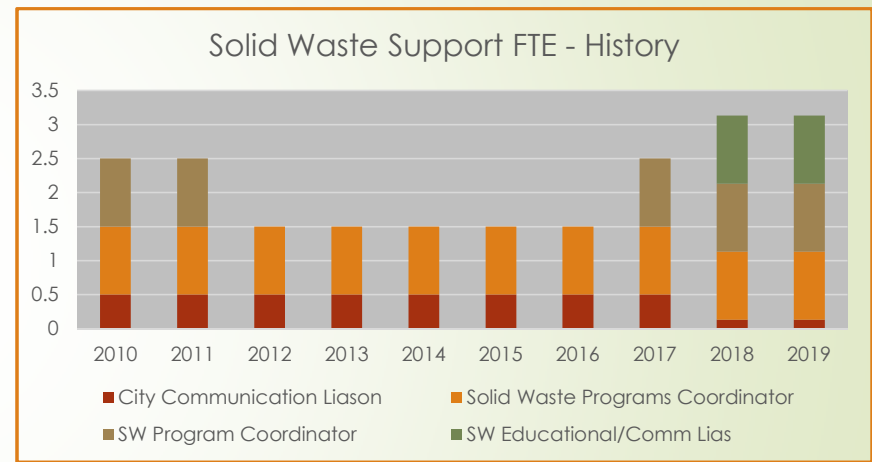
Budget Status/Update

- Solid Waste Fund reserves (fund balance) continue to decrease
- Solid Waste Fund continues to run at a deficit
 - Noted and raised by staff in 2011
- Multiple unanticipated and unbudgeted expenses already this FY
 - MRF items noted in earlier slide
 - CNG fueling issues
- Updated Solid Waste Fund Financial Plan and Fund Balance projections will be prepared for budget submission
 - To be presented to Council Feb/March 2018



Budget Status/Update

- Staffing
 - Funding of FTEs in Solid Waste Fund
 - Additional positions added in FY17 and FY18 budgets
 - New Coordinator Position not filled
 - Opportunity to craft position based on direction of regional approach
 - New Educational/Compliance Liaison being written
- Goals
 - Solid Waste budget goals fit within Sustainability Framework Goals
 - Updated goals to be developed in upcoming Solid Waste Plan Update within context of Sustainability Framework
 - Providing services to the community within available resources





Questions and Discussion