



## MEMORANDUM

To: Summit County Council  
From: Tim Loveday, Solid Waste Superintendent  
Date of Meeting: September 19, 2018  
Type of Item: Work Session  
Re: Solid Waste Action Plan and Update on Implementation  
of Solid Waste Management Plan

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The purpose of this presentation is to update the Council on the status of implementation of the County's solid waste management plan, which the Council adopted last April. Included in this discussion is a proposed action plan which was requested by the Council during that April meeting. We wanted to provide this workshop item to share information with the Council about our efforts in these areas, as well as allow discussion or criticism to be heard as to the approach and direction of our efforts.

With all that has happened both in the expansion/construction of the new Three Mile Canyon Landfill Cell, revision of the Henefer Landfill Permit, and ongoing developments within the scope of the Solid Waste Management Plan, we want to walk away from this work session understanding where the Council agrees we should head with our efforts and allow for feedback on ways you think we can better achieve the Council's goals.

### **Solid Waste Management Plan**

The solid waste management plan the Council approved last year put forth a collective group of ideas, wants and necessities into a plan of direction. Staff has further consolidated the effort into an Action Plan to achieve the goals previously presented. The proposed Action Plan is attached to this report and lists approximate dates and associated actions for 2018 and 2019.

The focus of the Action Plan for 2018 is comprised primarily on collection of data for a cardboard pilot program, potential avenues for a commercial composting pilot in the private sector, and development of budget requests for consideration by the budget committee and ultimately council.

The focus of the Action Plan for 2019 includes operational requirements at Three Mile Landfill and the implementation of studies and conceptual design surrounding the funding mechanisms for the solid waste division focused particularly on residential waste collection, development of a recycle transfer facility, and implementation of a commercial card board diversion program.

## Action Plan

### Summit County

#### Solid Waste Master Plan Implementation

##### 2018 Actions

- 1) SWMP Budget - *\$5,840,000 per year base*
- 2) Landfill Development
  - a) Three Mile Cell 1, leachate management pond, stormwater pond
    - i) *Anticipate completion by October 2018. Permit approval by December 2018. Estimated Cost: \$750,000 in 2018.*
    - ii) *Develop leachate management plan for implementation in Spring 2019 and begin waste placement in new cell.*
- 3) Recycle Transfer Facility
  - a) Identification of Property - *Ongoing*
  - b) RFP for Conceptual Design - *On hold pending land identification.*
    - i) *Budget \$200,000 for 2019 to include conceptual model/design of transfer facility*
- 4) Commercial Cardboard Pilot Program
  - a) Identify Pilot Program Committee *10/18*
    - i) Identify participation/implementation area *2/19*
    - ii) Identify collection mechanism(s) *12/18*
    - iii) Identify materials management strategies - Options
      - (1) Recycle Utah – bailer *12/18*
      - (2) Partnership with Interwest Paper or other *12/18*
        - (a) Bailer
        - (b) Compactor
        - (c) Transportation
      - (3) County Owned Cardboard Trailers *12/18*
- 5) Commercial Composting Pilot Program
  - a) Work with private sector to identify needs *Ongoing*
    - i) Bins
    - ii) Transportation
    - iii) Etc
  - b) Republic Services Opt-in Program
    - i) Curbside green waste/food waste pickup potential
      - (1) Destination Facility
        - (a) Summit – Private Sector
        - (b) Salt Lake
    - ii) Large Items
      - (1) Program is underway and will begin advertising on social media shortly.

- 6) Commercial Recycling Ordinance *Ongoing – PB - budget process*
  - a) Reserve Funding for 2019
    - i) Personnel
    - ii) Operating Budget
- 7) Collection Alternatives Study *Estimated cost \$65,000. Ongoing - DR/TL – budget process*
  - a) Reserve Funding for 2019
    - i) Consultant
    - ii) Travel Expenses
  - b) Develop RFP *11/18*

#### 2019 Actions

- 1) SWMP Budget - *\$5,840,000 per year base*
- 2) Partial Closure – Three Mile Landfill *Estimated Cost - \$500,000, budget \$32,000 for consulting services in 2019.*
  - a) Consultant RFP *4/19*
    - i) Survey *2/19*
    - ii) Design *7/19*
    - iii) Permitting *9/19*
- 3) Leachate Management Program *Budget \$5,000 – pumps/piping/permitting*
  - a) Evaluate leachate production *Ongoing – TL – Once installed*
  - b) Determine disposal Options *5/19*
    - i) Evaporation
    - ii) Re-injection
    - iii) WWTP
- 4) Stormwater Management Program *Ongoing*
  - a) Evaluate compliance
  - b) Implement basic ESC program *4/19*
- 5) Develop Funding Mechanism Recommendations *Budget \$2,500 for expenses.*
  - a) Form committee *2/19*
  - b) Develop Cost Analysis *3/19*
    - i) Current Fixed
    - ii) Future Investment
  - c) Evaluate funding options *4/19*
    - i) Solid Waste District
    - ii) Tip Fees
    - iii) General Fund subsidies
- 6) Recycling Transfer Station *Estimated consulting and design - \$200,000*
  - a) Contract for Conceptual Design *Pending Land*
  - b) Collaboration with RU and Habitat?
  - c) Develop budgeting for 2020 implementation
- 7) Commercial Cardboard Diversion Program *4/19*
  - a) Evaluate pilot program alternatives

- b) Develop Long-term Plan as determined from pilot program data
  - i) County Operated
  - ii) Private Sector Operated
- 8) Commercial Composting Pilot Program *Budget??*
  - a) Evaluate private sector efforts
    - i) Determine future scope of engagement
    - ii) Determine future investment for 2020
- 9) Commercial Recycling Ordinance *Estimated Cost : \$73,000*
  - a) Hire coordinator/enforcement FTE
  - b) Vehicle budget
  - c) Begin enforcement in 2020
- 10) Collection Alternatives *Estimated Cost: \$65,000*
  - a) Secure consultant
  - b) Evaluate Program
  - c) Develop Recommendation for future Actions

#### 2020 Actions

- 1) SWMP Budget - *\$5,840,000 per year base*
- 2) Partial Closure of Three Mile Landfill
  - a) Construction Budget
  - b) RFP for Contractor
  - c) Engineering Support (permitting, CQC/CQA)
- 3) Implement Funding Plan
- 4) Recycling Transfer Facility
  - a) Secure consultant
  - b) Conceptual Design
  - c) Final Design
  - d) Budget for 2021 Construction
- 5) Commercial Cardboard Diversion Program
  - a) Implement as directed
  - b) Operations Plan
- 6) Commercial Composting Program
  - a) 2019 Dependent – develop plan/implementation as required
- 7) Commercial Recycling Ordinance
  - a) Implement according to 2019 Plan
  - b) FTE to move into technical assistance and compliance role
  - c) Purchase Vehicle for FTE
- 8) Collection Alternatives
  - a) Implement in accordance with 2019 Recommendations

#### 2021 Actions

- 1) SWMP Budget - \$5,840,000 per year base
- 2) Funding Plan
  - a) Implement year two
- 3) Recycling Transfer Facility
  - a) Develop Management Plan
    - i) Personnel
    - ii) Equipment
    - iii) Operations Plan
      - (1) Private Sector
      - (2) County Operated
  - b) Construction
- 4) Commercial Cardboard Diversion Program
  - a) Carry out in accordance Operations Plan
- 5) Commercial Composting Program
  - a) Ongoing Operations
  - b) Evaluate Residential Drop-off models
  - c) Recommendations
- 6) Commercial Recycling Ordinance
  - a) Continue Implementation
- 7) Collection Alternatives
  - a) Continue transition as directed

#### 2022 Actions

- 1) SWMP Budget - \$5,840,000 per year base
- 2) Landfill Development
  - a) Begin in-house excavation of Cell 2 as needed
- 3) Funding Plan
  - a) Implement Year 3
- 4) Recycling Transfer Facility *Estimated Cost: \$800,000*
  - a) Occupy Facility
  - b) Procure Equipment
  - c) Staff
- 5) Commercial Cardboard Diversion Program
  - a) Evaluate ending Program based upon Ordinance Effect
- 6) Commercial Composting Program
  - a) Evaluate on-going operations
  - b) Based upon data/costs, evaluate expansion of curbside drop-off for residential program
- 7) Commercial Recycling Ordinance
  - a) Continue enforcement
  - b) Technical assistance
- 8) Collections Alternatives

- a) Continue implementation of Plan
- b) Assume Operations July 2022

#### 2023 Actions

- 1) SWMP Budget - \$5,840,000 per year base
- 2) Recycling Transfer Facility
  - a) Full Operational
- 3) Composting Program
  - a) Implement Residential plan. Continue Commercial plan.