

### FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT

Member of Wyoming Solid Waste and Recycling Association (WSWRA)

RA) P.O. Box 1400 Lander, WY 82520 telephone 307.332.7040 fax 307.332.5013

trashmatters.org

### **MEETING AGENDA**

FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT BOARD OF DIRECTORS – REGULAR MEETING July 16, 2018 - 9:30 a.m.

### 1. PUBLIC HEARING - PROPOSED FISCAL YEAR 2018-2019 OPERATING BUDGET

### 2. PRELIMINARY ITEMS:

- a. Pledge of Allegiance
- b. Roll Call: Michael Adams, Michael Morgan, Steve Baumann, Gary Weisz, Michael McDonald, Rick Klaproth, Mark Moxley, Rob Dolcater, and Gina Clingerman
- c. Declaration of Quorum
- d. Approval of Agenda

### **ACTION REQUIRED**

e. Public Comment / Communication from the Floor

### 3. CONSENT ITEMS:

- a. Approval of the Minutes:
  - i. Regular June 2018 Board Meeting
- b. Approval of the Accounts Payable June 2018 Invoices
- c. Acceptance of Consultants and Agreement Reports
  - i. Trihydro Corporation
  - ii. Burns and McDonnell
  - iii. Eastern Shoshoni Tribe Solid Waste no report submitted
- d. Acceptance of Staff Reports
  - i. Superintendent Report

### 4. OTHER ITEMS OF BUSINESS:

- a. Fiscal Year 2018-2019 Operating Budget (Discussions and Formal Action)
- b. Wind River Inter-Tribal Council Solid Waste Agreement (Discussions and Formal Action)
- c. Alternative Transfer Station Volunteer Operations Cost/Benefit Analysis (*Discussions*)
- d. WasteCon 2018 Conference (Discussions)

### 5. EXECUTIVE SESSION - POTENTIAL LITIGATION

- 6. **NEW BUSINESS**
- 7. CALL FOR ADJOURNMENT
- UPCOMING MEETING(S):
  - a. The next Regularly Scheduled Meeting(s):
    - i. August 20, 2018, at 9:30 a.m.
  - b. The next Special Meeting(s):
    - i. October 24, 2018, at 9:30a.m. (Financial Audit Report Presentation)



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### FREMONT COUNTY SOLID WASTE DISPOSAL DISTRICT Minutes of Regular Board Meeting June 18, 2018

### 1. PRELIMINARY ITEMS:

a. - c. The regular meeting of the Fremont County Solid Waste Disposal District Board of Directors was held on the above date and called to order by CHAIRMAN MOXLEY at 9:30am. CHAIRMAN MOXLEY then led the Pledge of Allegiance and declared a quorum of the Board with the following people in attendance:

**Board Members:** 

Gary Weisz, Michael Adams, Mark Moxley, Steve Baumann, Rob

Dolcater, Mike Morgan, Rick Klaproth, and Mike McDonald

Excused Member(s):

Gina Clingerman

Unexcused Member(s): None

Commissioner Liaison: Jennifer McCarty

Liaisons:

None

Attorney:

Rick Sollars (Western Law & Assoc.)

Staff:

Andrew Frey (Superintendent) & Linda Kummer (Bookkeeper)

Consultant(s):

Matt Evans (Burns & McDonnell), Ernie Over (Ernie Over

Marketing)

Guest(s):

Bill Snap, William Moore, Tim Robeson (Tegeler & Associates),

Jim Over

### d. Approval of Agenda

MIKE MORGAN made a motion to approve the agenda, with the addition of (d.) Fremont County Commissioners Meeting Follow-Up and (e.) Active-Shooter Preparation Planning under "Other Items of Business." VICE-CHAIRMAN ADAMS seconded the motion. MOTION CARRIED

### e. Public Comment/Communication from the Floor

CHAIRMAN MOXLEY opened the floor to public comment.

Discussions: (1.) Bill Snap, representing the Shoshoni Shooting Range, informed the Board that their group is working to meet the current NRA specifications. In order to meet these specs, the berms within the shooting range need to be raised. He asked if the District would donate the equipment and fuel, and their volunteers would serve as the operators. (2.) Attorney Sollars cautioned the Board to avoid setting any type of precedent by allowing private use of public equipment and resources. (3.) SECRETARY/TREASURER KLAPROTH explained to the group that the FCSWDD actually helped out with the construction of the shooting range originally. (3.) Bill Snap clarified that the shooting range is not private, instead that it is a public shooting range. (4.) MIKE MORGAN informed the group that the reason the District originally was involved with the shooting range construction was to benefit the District with soil disposal and that no new precedent would be established. (5.) VICE-CHAIRMAN ADAMS reminded the group that the District will have equipment and staff nearby during the Shoshoni downtown demolition project.

MIKE MORGAN made a motion to approve the use of District staff and equipment to assist with the raising of the berms at the Shoshoni Shooting Range to assist the law enforcement community and public, as the work fits into the District's schedule. <u>VICE-CHAIRMAN ADAMS</u> seconded the motion. <u>MIKE MCDONALD</u> voted in opposition. **MOTION CARRIED** 

### 2. CONSENT ITEMS:

- a. Approval of Prior Meeting Minutes
  - i. May 2018, Board Meeting
- b. Approval of Accounts Payable May 2018 Invoices
- c. Acceptance of Consultants Reports:
  - i. Trihydro Corporation Progress Report
  - ii. Burns and McDonnell Progress Report
  - iii. Eastern Shoshone Tribe Solid Waste No Report Submitted
- d. Acceptance of Staff Reports:
  - i. Superintendent Report

### 3. OTHER ITEMS OF BUSINESS:

### a. Atlantic City Transfer Station - Operational Request by local Bill Moore (Discussions)

<u>Bill Moore</u> introduced himself and explained that he is a business owner and resident in Atlantic City and is interested in volunteering to operate the Atlantic City Transfer Station through a volunteer group basis. He continues to seek additional volunteers aside from himself and his brother. His request includes a fee waiver for the volunteers during the day of their shift for up to 4 bags of waste. The group is interested in running the recycling program there as well but are not willing to transfer the materials. Their proposal would include operating the site with similar hours as the current operations.

<u>Discussions</u>: (1.) <u>Superintendent Frey</u> expressed his only concerns include the potential precedent of waiving fees at the sites and transfer of volunteer recycling program materials. (2.) <u>Attorney Sollars</u> explained that the recycling transfer would need to be handled as it is at the other volunteer sites where the volunteering group completes a no-cost lease, but is then responsible for the transfer of materials and maintenance of the trailers. (3.) <u>MIKE MORGAN</u> suggested having the Superintendent complete a cost-benefit analysis to determine the impact to this site and the other volunteer operated sites.

### b. Capital Improvement Plan - Model Update Presentation: Matt Evans (Discussions)

<u>Matt Evans</u> with Burns & McDonnell presented to the Board: (1.) The updated Capital Improvement Plan Model to the Board with the most recent financials applied, (2.) A review and revisit of the Waste Characterization Project, and (3.) Recycling discussions on items to consider.

### c. Commercial, Auto, and Property Insurance – RFP (Discussions and Formal Action)

<u>Superintendent Frey</u> informed the Board that the District advertised for, and received sealed bids for the Commercial, Auto, and Property Insurance in the month of May 2018. The bids were opened publicly and reviewed with the following results:

Farm Bureau Insurance:

\$1,000 ded. @ \$88,061

\$5,000 ded. @ \$65,160

Tegeler Insurance:

\$1,000 ded. @ \$35,616

\$5,000 ded. @ \$29,810

WARM Insurance:

\$1,000 ded. @ \$No Offer

\$5,000 ded. @ \$24,997

Based on the bid results, it was recommended awarding the Commercial, Auto, and Property Insurance to Wyoming Association of Risk Management (WARM) with the premium price of \$24,997.

<u>Discussions</u>: (1.) <u>MIKE MORGAN</u> shared with the Board that the Wyoming Association of Risk Management was established during the early 1980s because the Wyoming communities could not acquire proper insurance at a fair rate. This pool provided a policy option at a reasonable rate with minimal risk associated.

<u>STEVE BAUMANN</u> made a motion to accept the WARM bid for the Commercial, Auto, and Property Insurance with a premium of \$24,997. MIKE MORGAN seconded the motion. **MOTION CARRIED** 

### d. Fremont County Commissioner's Meeting Follow-Up (Discussions)

<u>CHAIRMAN MOXLEY</u> discussed the Budget Presentation summary from the Commissioners meeting. The budget highlights and closure/post-closure reserve balances were shared.

Discussions: (1.) CHAIRMAN MOXLEY shared the commissioners discussion/focus items: (a.) Commissioner Becker was concerned with the wages for the Superintendent of Operations and the Crew Chiefs. (b.) Commissioner Becker was upset that the District Board provided District staff with a base wage adjustment last year after he had directed them not to. (c.) Commissioner Becker stressed that the commissioners have line item veto power over special district operating budgets. (2.) Commissioner McCarty informed the Board that the County Attorney has been directed to draft a letter to the Solid Waste District requesting our salary breakout. (3.) CHAIRMAN MOXLEY stressed that the difference between the prior year actuals - not fully staffed, and the proposed budget - budgeting for full staff, was not clearly represented by the Solid Waste District. (4.) MIKE MORGAN was concerned that the many successes shared by the Solid Waste District and the Commission have been overlooked  $\rightarrow$  the change in managing the District from a co-managed style (superintendent and assistant superintendent) to a single management system (superintendent only) saving the District over \$100,000 per year → the efficiency evaluation implemented by the Superintendent that led the District to requiring almost ½ the previous staffing numbers saving almost \$500,000 per year → the District avoiding a 40% rate increase by operational savings → the District's previous \$17 million closure/post-closure deficit almost funded in seven years without raising taxes or disposal fees -> the modern health insurance benefit implemented that offers post-employment benefits and District savings of over \$100,000 per year -> the additional \$500,000 in revenue achieved by the Superintendent directed to the closure/post-closure funds → the control over consulting costs and equipment purchases with the Superintendent's review  $\rightarrow$  the Superintendent's removal of all District debt seven years ago without the additional of any new debt. (5.) MIKE MORGAN expressed concern with the District forcing the commissioners into using lineitem veto power; instead, he would prefer the District working with them to address concerns.

### e. Active-Shooter Preparation Planning (Discussions)

<u>SECRETARY/TREASURER KLAPROTH</u> discussed with the Board the value that was provided recently in the Active-Shooter Preparation training provided at Central Wyoming College. He

suggested that as we move ahead with the specifications in our security plan that we consider including the ability to identify anyone who may cause problems, including a potential active shooter.

### 4. EXECUTIVE SESSION

<u>GARY WEISZ</u> made a motion to enter Executive Session at 11:36am, allowing <u>Attorney Sollars</u>, <u>Superintendent Frey</u>, and <u>Commissioner McCarty</u> to remain. <u>ROB DOLCATER</u> seconded the motion. **MOTION CARRIED** 

STEVE BAUMANN made a motion to exit Executive Session at 12:10pm. ROB DOLCATER seconded the motion. MOTION CARRIED

### 5. **NEW BUSINESS**

### a. Eastern Shoshone Tribe Solid Waste

<u>STEVE BAUMANN</u> made a motion to provide the Negotiating Committee authorization to extend the current agreement between the District and the Eastern Shoshone Tribe until a permanent contract can be established. <u>MIKE MCDONALD</u> seconded the motion. **MOTION CARRIED** 

### 6. CALL FOR ADJOURNMENT

<u>GARY WEISZ</u> made a motion to adjourn the meeting at 12:12pm. <u>VICE-CHAIRMAN ADAMS</u> seconded the motion. **MOTION CARRIED** 

### UPCOMING MEETING(S):

- a. The Next Regularly Scheduled Meeting:
  - i. July 16, 2018, at 9:30am.
- b. The Next Special Meeting(s):
  - i. October 24, 2018, at 9:30am (Financial Audit Report Presentation)

Respectfully submitted by,

Andrew Frey, P.E.
Superintendent of Operations
Fremont County Solid Waste Disposal District

Mark Moxley Board of Directors Chairman Fremont County Solid Waste Disposal District

### Fremont County Solid Waste Disposal District Balance Sheet

As of June 30, 2018

	Jun 30, 18	Jun 30, 17
ASSETS Current Assets		
Checking/Savings		
122105 · Petty Cash	300.00	300.00
122106 · Transfer Station Cash	200.00	200.00
122107 · Scale House Cash	1,600.00	2,600.00
123110 · CB&T Checking	165,092.84	62,270.85
123115 · Edward Jones Investments	4,726,880.64	3,314,592.48
123120 · Bank of Jackson Hole	19,650.72	0.00
123130 · WYO STAR	7,341,484.57	7,253,753.88
123136 · Wells Fargo	0.00	173,207.22
124135 · U.S. Bank	1,300,940.64	455,266.75
Total Checking/Savings	13,556,149.41	11,262,191.18
Accounts Receivable	333,347.82	401,203.55
Other Current Assets	3,964.61	243,125.16
Total Current Assets	13,893,461.84	11,906,519.89
TOTAL ASSETS	13,893,461.84	11,906,519.89
LIABILITIES & EQUITY Liabilities Current Liabilities		
Accounts Payable	136,073.41	171,652.11
Other Current Liabilities	11,786.79	59,118.04
Total Current Liabilities	147,860.20	230,770.15
Total Liabilities	147,860.20	230,770.15
Equity		
380190 · Fund Balance - Undesignat	-47,746.26	-1,717.56
380860 · Cash Reserve	750,000.00	500,000.00
380970 · Closure/Post-Closure Rese	10,973,496.00	9,326,512.00
Net Income	2,069,851.90	1,850,955.30
Total Equity	13,745,601.64	11,675,749.74
TOTAL LIABILITIES & EQUITY	13,893,461.84	11,906,519.89



### memorandum

To:

Andy Frey, P.E., Superintendent, Fremont County SWDD

From:

Ken Schreuder, P.E., P.G.

cc:

Fremont County SWDD Board

Date:

July 9, 2018

Re:

Project Updates for July 16, 2018, Board Meeting

The following information is provided to update the Board of the Fremont County Solid Waste Disposal District (District) regarding the status of various projects that are being managed by Trihydro Corporation (Trihydro), and associated activities associated with the Wyoming Department of Environmental Quality (DEQ), Solid and Hazardous Waste Division (SHWD), Water Quality Division (WQD), and Air Quality Division (AQD). The information provided is generally limited to activity during the previous month.

### Sand Draw, Shoshoni, Lander, and Dubois Landfills – FY 2014-2015 Monitoring (Task Order 10-017 / Trihydro Project 09Y-008-003)

The spring semiannual groundwater monitoring events for the Dubois, Lander, Sand Draw, and Shoshoni Landfills were completed during the second week of April. Monitoring reports were reviewed with the Superintendent, and then submittal to the WDEQ/SHWD between June 6 and 14, 2018.

The WDEQ/AQD determined that the Title V operating permit renewal application was complete on December 4, 2017, and provided a "permit shield." The permit shield means that the District will not be considered to be in violation if the WDEQ/AQD doesn't complete is technical review and issue a draft permit before the current permit expires on June 6, 2018. We are awaiting a response from the WDEQ/AQD regarding the status of the renewal application.

### Ongoing Technical Assistance (Task Order 10-018 / Trihydro Project 09Y-005-004)

Technical assistance activities during the previous month included:

- Prepared a project status report for the monthly Board meeting.
- Projects associated with FY17-18 were closed out, and budgets for FY18-19 were prepared.
- Reviewed and provided recommendations regarding a waste disposal request by Aethon for dried brine at the Sand Draw Landfill.



Andy Frey, FCSWDD July 9, 2018 Page 2

### Sand Draw Landfill – Water Balance Cover and Lifetime Operating Permit (Task Order 10-019 / Trihydro Project 09Y-001-005)

Trihydro prepared responses to the initial technical review comments provided by the WDEQ/SHWD. A revised application was submitted to the WDEQ/SHWD on May 23, 2018. The WDEQ/SHWD's review of the revised application was completed on June 28, 2018, and indicated that the application was complete and technically adequate. Trihydro will provide additional copies of the approved application so the District can complete the final public notice and comment requirements.

### Lander Landfill – Water Balance Cover and Lifetime Operating Permit (Task Order 10-020 / Trihydro Project 09Y-009-002)

The lifetime operating permit application was received by the WDEQ/SHWD on February 2, 2018. WDEQ/SHWD correspondence dated March 20, 2018, indicated that the application was complete. The WDEQ/SHWD's technical review was completed on June 18, 2018, and indicated that the application was complete and technically adequate. Trihydro will provide additional copies of the approved application so the District can complete the final public notice and comment requirements.

### Shoshoni Landfill – Water Balance Cover and Closure Permit (Task Order 10-021 / Trihydro Project 09Y-004-002)

The closure permit application for the Shoshoni Landfill was submitted to the WDEQ/SHWD on December 5, 2017. The application was deemed complete by the WDEQ/SHWD on February 2, 2018. The technical review of the application was due May 5, 2018.

Trihydro recently identified a cost saving alternative regarding the design of the final cover system, and discussed it with the Superintendent and the WDEQ/SHWD. The Superintendent submitted a letter to the WDEQ/SHWD on April 26, 2018, and requested the WDEQ/SHWD delay its technical review to accommodate Trihydro's preparation and the WDEQ/SHWD's review of the design change. Revised portions of the closure application were submitted to the WDEQ/SHWD on May 14, 2018. The WDEQ/SHWD's technical review is anticipated by June 13, 2018.

### Dubois Landfill – Lifetime Operating Permit (Task Order 10-022 / Trihydro Project 09Y-011-001)

The WDEQ/SHWD determined that the lifetime operating permit renewal application was complete and technically adequate on January 28, 2018. The Superintendent is taking the lead on the public notice requirements, and Trihydro has provided copies of the final permit application document. No further work on this project is anticipated by Trihydro.



Andy Frey, FCSWDD July 9, 2018 Page 3

### **Additional Information**

Please let us know if you have any questions or need additional information. You can call me on my cell phone (307-330-7737), send me an email (kschreuder@trihydro.com), or stop by our office at 388 Main Street, Suite C, in Lander. Thank you.

**END OF MEMORANDUM** 

### Memorandum



Date:

July 9, 2018

To:

Andy Frey, PE, Fremont County Solid Waste Disposal District

From:

Matt Evans, PE

Subject:

Progress Report – July, 2018

The following provides an update on work completed by Burns & McDonnell since the last Progress Report.

### Capacity Audits

The first step for completing the 2018 capacity audits is to complete the annual topographical surveys of the four landfills. William H. Smith and Associates, Inc. is in the process of completing these surveys. Final reports of the capacity audit are anticipated to be completed in September or October, 2018.

### Technical Engineering Assistance

Burns & McDonnell completed the following technical engineering assistance services since the last progress report was submitted:

- Reviewed calculations prepared by the Superintendent related to an operational efficiency analysis of the Ethete and Crowheart transfer station sites.
- As part of the June 18<sup>th</sup> and 19<sup>th</sup> CIP presentation trip, completed Shoshoni site visit and multiple meetings with Superintendent regarding overall operational efficiency of the District.
- Progress reports, invoicing and project management related to the overall administration of the project are also completed as part of this task.

### Capital Improvement Plan Modeling

The annual Capital Improvement Plan and budget model review work was completed and presented to the Board on June 18th. Attached is the following information related to the CIP model review:

- June 18<sup>th</sup> Presentation to the Board
- Cost of Service Results, comparing the projected yearend FY 17-18 Operating Expenses to the budgeted FY 18-19 Operating Expenses (note that the projected yearend FY 17-18 Operating Expenses are around \$500,000 underbudget which skews the comparison)

### Waste Characterization

The waste characterization report has been completed. The results of the study were presented at the February 21, 2018 Board Meeting.

Groundwater Monitoring System Assessment This task is on hold.

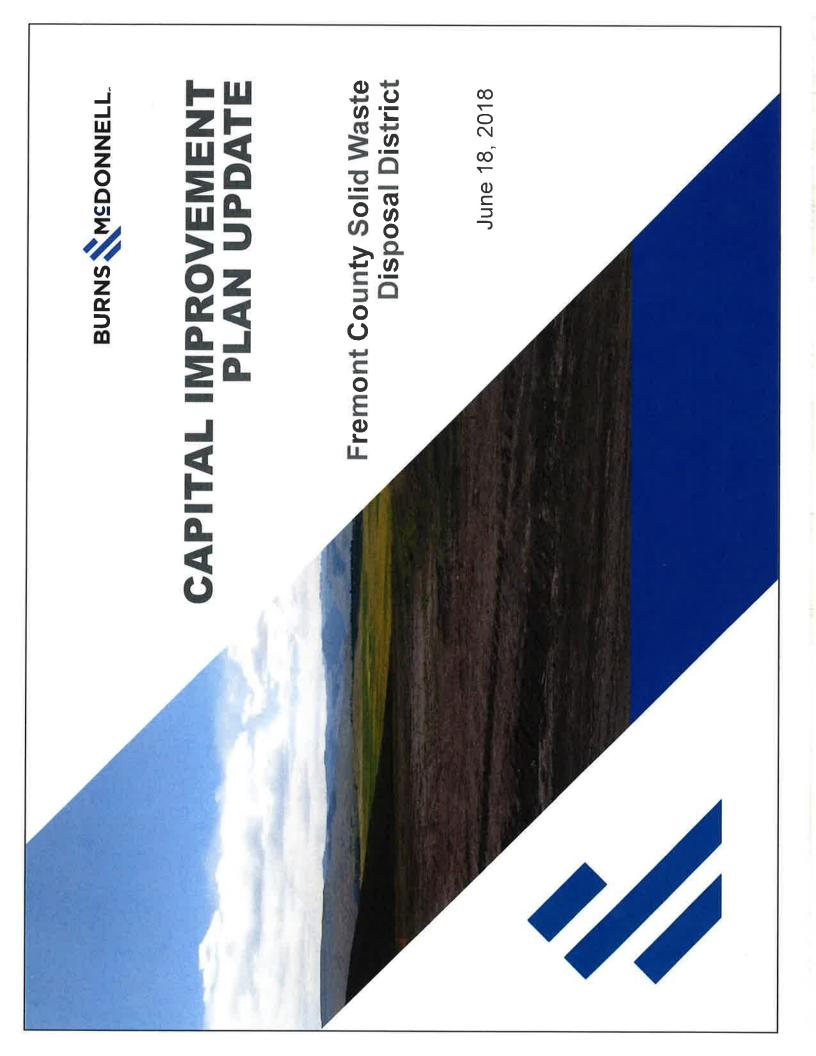
### Memorandum (continued)



July 9, 2018 Page 2

Leachate Management System Design, Bid Administration, and Construction Support Construction of the tank project is beginning this month. It is anticipated to go through September.

Burns & McDonnell appreciates the opportunity to work with the District. If there are any questions regarding this progress report or work that is being completed, please do not hesitate to contact me at 952-656-3629 or <a href="maevans@burnsmcd.com">maevans@burnsmcd.com</a> at your earliest convenience.



Presentation Outline Capital Improvement Program (CIP) Model

Budget (FY18-19)

Cost of Service

Budget Forecast

Other Considerations

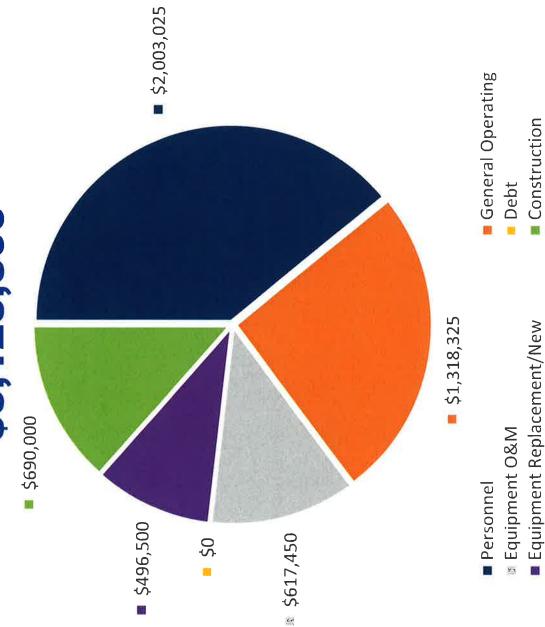
Revisit Waste Characterization Key Takeaways

Recycling Service Cost and Funding Mechanism

Recommendations

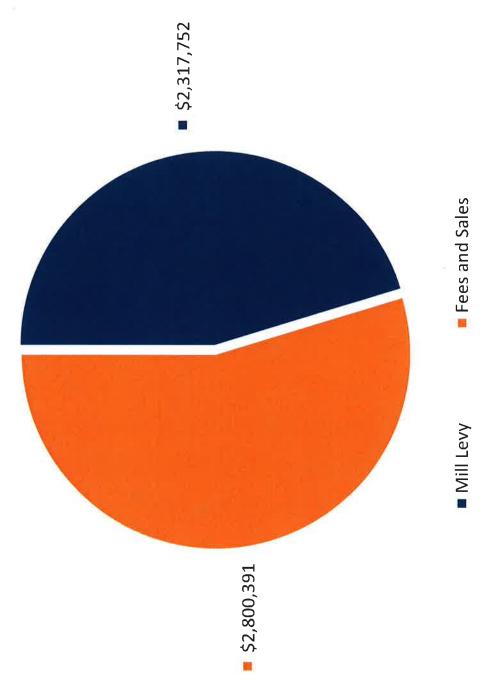
## FY 2018 - 2019 Expenses:

### \$5,125,300





### FY 2018 - 2019 Revenue: \$5,118,143



# **Key Assumptions**

- ► Mill levy: 0% Growth
- ► Baseline FY18-19 has no tipping fee rate increases
- ► Tonnages grow at 1.0% annually
- Expenses increase at 1.7% annually¹
- Cash reserve balance of \$500,000
- Will be increased to \$750,000 at the end of FY18-19
- Positive year-end revenue is transferred to the restricted closure/post-closure fund from general fund

1.7% increase in expenses is based on 10-year historic US average inflation rate (US Inflation Calculator – Coin News Media Group LLC.)



# Proposed Large Construction

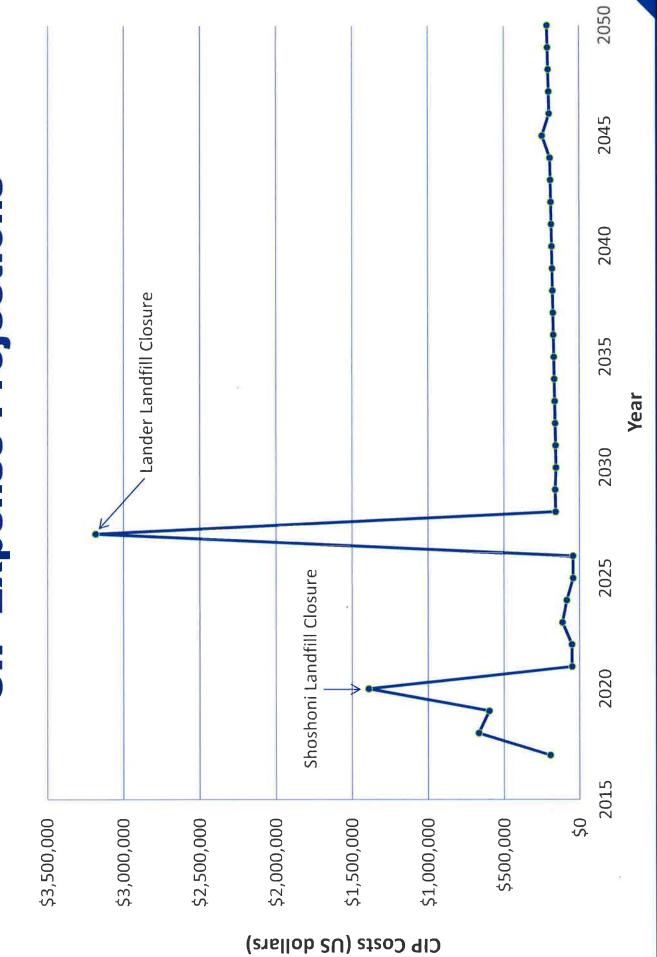
Capital Construction Project	Present Value (\$)	Start Date
Lander Closure	2,380,000	2027
Lander Post Closure	2,930,000	2028
Lander Bale/Transfer Station Mod.	374,000	2026
Sand Draw Current Area Closure	5,221,000	2060
Sand Draw Post Closure	2,738,000	2061
Sand Draw Infrastructure	1,070,000	2055
Sand Draw Expansion Permitting	310,000	2050
Sand Draw Expansion	2,068,000	2058
Dubois Closure	270,000	2069
Dubois Post Closure	793,000	2070
Shoshoni Closure	1,337,000	2019 -2020
Shoshoni Post Closure	561,000	2021
TOTAL	20,052,000	

### **Model Results**

	FY18-19	FY19-20	FY20-21	FY21-22	FY22-23
Revenues					
Mill Levy & Auto Tax	2,317,752	2,317,752	2,317,752	2,317,752	2,317,752
MSW, C&D, and Other Fee	2,577,791	2,603,569	2,629,605	2,655,901	2,682,460
Compost Sales	9,500	9,595	169,6	882'6	988'6
Recycling Revenue	213,100	222,731	232,458	242,283	252,206
Total Revenue	5,118,143	5,153,647	5,189,506	5,225,724	5,262,304
Expenses					
General Expense	3,938,800	4,005,681	4,073,697	4,142,869	4,213,215
CIP	000'069	1,389,540	49,377	50,216	112,809
Equipment Replacement	496,500	24,742	51,274	115,877	402,113
Total Expenses	5,125,300	5,419,963	4,174,348	4,308,961	4,728,137
Net Revenue	(7,157)	(266,316)	1,015,158	916,763	534,167
General Fund Transfers					
Transfer from Closure/PC Reserve Fund to General					
Fund (Closure/PC Expense)	0	1,337,283	19,003	19,325	19,654
Transfer from Closure/PC Reserve Fund to General					
Fund (Covering General Fund Shortfall)	257,157	0	0	0	0
Transfer from General Fund to Cash Reserve	250,000	0	0	0	0
Transfer from General Fund to Closure/PC Reserve Fund	0	1,070,967	1,034,161	936,088	553,820
General Fund Net Transfers	7,157	266,316	(1,015,158)	(916,763)	(534,167)
Account Balances					
Cash Reserve Balance	750,000	750,000	750,000	750,000	750,000
General Fund Balance	0	0	0	0	0
Closure/Post-Closure Reserve Fund Balance	11,134,692	11,035,397	12,216,086	13,316,090	14,049,998

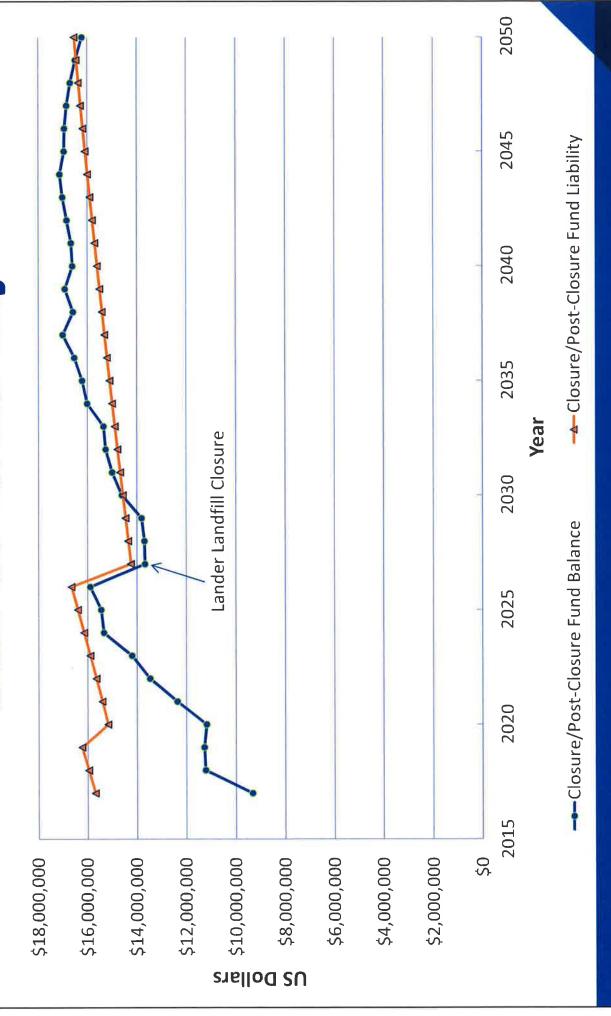


### **CIP Expense Projections**





### **Closure/Post-Closure Fund** Balance vs. Liability





### Revisit Waste Characterization Key Takeaways

- Purpose:
- Baseline for future evaluations
- Identify recycling opportunities
- Provide data to make informed decisions on recycling
- Potential diversion opportunities include
- Yard waste
- Corrugated cardboard
- Paper
- Metals
- Electronics on Reservations
- Textiles
- Reach out to organizations to help promote recycling



### Why Recycle?

- Citizens expect it for a variety of reasons
- "Right thing to do"
- Understanding of landfill diversion
- Reducing the need for using raw materials
- Etc.
- Cities are not currently doing it

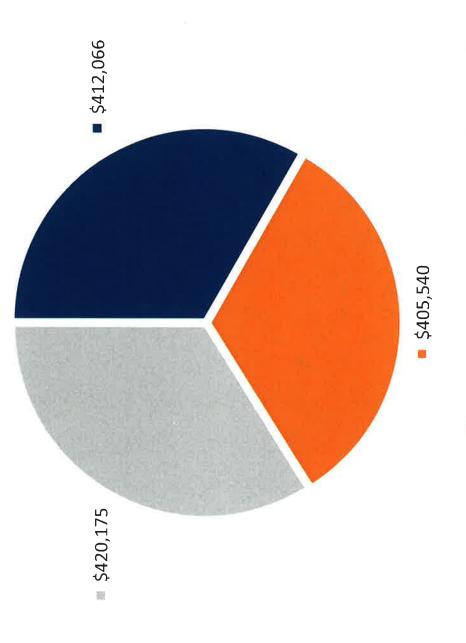


### **Cost of Existing Recycling** Service

- Labor
- Approximately 4.5 FTE's
- ▼ Equipment
- Includes roll-off containers, roll-off trucks, trailers, skid loaders, etc.
- Public Outreach and Messaging



### FY 2018 - 2019 Recycling Expenses: \$1,237,7804



Recycling Personnel

Recycling General Expenses

Recycling Equipment



# Recycling Key Takeaways

- ➤ Recycling costs money it doesn't make money
- Garbage tip fees are approximately 80% of recycling income
- District residents don't understand the cost of recycling
- Potential next steps
- Show recycling cost in tip fee price
- Public outreach
- Focus on recycling materials that get the "biggest bang for your
- Reach out to cities and seek their support

## Recommendations

- Protect tonnage managed by the District
- Increase reserve balance to protect against future Mill Levy revenue uncertainty
- Continue to review closure and post-closure fund balance and projections annually
- Communicate cost of recycling to public and cities



Matt Evans, PE

952-656-3629

maevans@burnsmcd.com







### Landfills

	Dubois Landfill	Lander Landfill	Sand Draw Landfill	Shoshoni Landfill	MSW Total <sup>2</sup>	CDW Total	Landfill Total
Operating Expenses <sup>1</sup>	58,340	611,393	318,124	8,827	929,236	67,448	996,685
Operating Expenses	71,085	770,660	370,464	14,839	1,140,108	86,940	1,227,048
te (FY18-19 - FY17-18)	12,745	159,267	52,340	6,012	210,872	19,491	230,363

### **Bale Stations**

	Lander Bale/ Transfer Station		
FY 17-18 Operating Expenses <sup>1</sup>	103,206	607,202	710,408
FY 18-19 Operating Expenses	45,496	737,785	783,280
Difference (FY18-19 - FY17-18)	(57,711)	130,583	72,872

### **District Transfer Stations**

Dubois Transfer Station	Atlantic City LH/LV	Jeffrey City LH/LV	Lysite LH/LV	Missouri Valley LH/LV	Pavillion LH/LV	Shoshoni LH/LV	Total	Total Excluding Dubois
103,358	36,972	33,894	32,462	38,880	38,923	40,974	325,462	222,105
128,912	55,710	51,574	49,289	59,052	59,112	62,301	465,951	337,038
25,555	18,738	17,681	16,827	20,171	20,189	21,327	140,489	114,934

### **Contract Transfer Stations**

	Crowheart Transfer Station	Ethete Transfer Station	Fort Washakie Transfer Station	17-mile Transfer Station	Total
FY 17-18 Operating Expenses <sup>1</sup>	65,812	65,812	65,812	65,812	263,247
FY 18-19 Operating Expenses	65,204	65,204	65,204	65,204	260,817
Difference (FY18-19 - FY17-18)	(607)	(607)	(607)	(607)	(2,430)

pal Solid Waste, LH/LV = Low-Hazard/Low-Volume

lls and Leachate Management at Lander Landfill baled MSW and recycling commodities



### **Recycling Centers**

	Dubois Recycling Center	Lander Recycling Center	Sand Draw Recycling	Riverton Recycling Center	Total
FY 17-18 Operating Expenses <sup>1</sup>	92,852	293,931	16,878	417,083	820,743
FY 18-19 Operating Expenses	124,987	316,879	27,571	594,324	1,063,761
Difference (FY18-19 - FY17-18)	32,135	22,949	10,693	177,242	243,018

### **Green Waste, Wood Waste, and Manure Facilities**

	Dubois	Lander	Riverton	Total
FY 17-18 Operating Expenses <sup>1</sup>	12,142	53,856	11,311	77,309
FY 18-19 Operating Expenses	13,897	40,562	7,993	62,452
Difference (FY18-19 - FY17-18)	1,755	(13,294)	(3,318)	(14,857)

### Scrap Metal, White Goods, E-Wastes

	Dubois	Lander	Sand Draw	Total
FY 17-18 Operating Expenses <sup>1</sup>	8,745	40,391	15,763	64,898
FY 18-19 Operating Expenses	11,435	37,391	24,077	72,903
Difference (FY18-19 - FY17-18)	2,690	(2,999)	8,314	8,005

Notes:

<sup>1</sup> Adjusted for Ten Year Average Inflation Rate

### Fremont County Solid Waste Disposal District

### **Superintendent Report**

July 16, 2018

### Office/Staff/Board/Inter-Government

### Office:

- 1. The calculated <u>annual</u> tonnages and cost per ton is as follows (calculated using revenues, expenses, and tonnages):
  - a. 2013 = \$139.96 & 31,472 total tons
  - b. 2014 = \$176.43 & 27,562 total tons
  - c. 2015 = \$99.44 & 31,890 total tons
  - d. 2016 = \$103.22 & 29,659 total tons
  - e. 2017 = \$102.26 & 33,483 total tons
  - f. 2018 = \$104.23 & 15,212 total tons (first half of 2018)

### Staff:

- 1. June 30, 2018 All District staff *annual reviews* have been completed.
- 2. June 2018 following the approval of the Safety Incentive Program in April 2015, and the implementation July 1, 2015, the <u>Riverton Area</u> staff (i.e. Riverton Transfer Station and the Sand Draw Landfill) has not had a single lost-time accident/incident → <u>3 years</u>, and the <u>Lander Area</u> staff (i.e. Lander Landfill, Dubois Landfill, and the rural transfer stations) had one lost-time accident early on but has now made it <u>2 years and 5 months</u>!!
- 3. June 14, 2018 The Riverton and Lander Crew Chief's and the Accounting Manager attended the *Active Shooter training* at Central Wyoming College.

### Board:

- 1. March 2018 The following represents the current list of **Board Committees and Members**:
  - a. Recycling Committee: Mark Moxley, Gary Weisz, Rick Klaproth, and Mike Morgan.
  - b. Health Benefit and Wage Committee: Gina Clingerman, Rick Klaproth, Gary Weisz, and Mike Adams.
  - c. Rate Committee: Gina Clingerman, Rob Dolcater, Gary Weisz, and Mike McDonald.
  - d. Budget Committee: Mark Moxley, Rob Dolcater, Gary Weisz, and Mike McDonald.
  - e. WRIR Solid Waste Negotiations Committee: Mike Morgan, Mark Moxley, Gary Weisz, and Steve Baumann.

### Inter-Government:

- 1. Bureau of Land Management:
  - a. June & July 2018 We have been working with the BLM to review our old landfill sites near Hudson and near Atlantic City to clean the sites to their standards.
- Federal (Army National Guard):
  - a. <u>Lander Landfill Geotechnical Testing and Borrow Area:</u>

- i. September 2016 May 2018: Discussions/correspondence started in late 2016 requesting permission to access the land directly south of the Lander Landfill to conduct geotechnical testing with a goal of identifying additional soils that would be suitable for the planned alternative cover system for the Lander Landfill upon closure (i.e. Evapo-Transpiration Closure Design). Since then we have completed the required applications, met with their representatives, submitted application payments, provided drawings and descriptions of our intended testing. There have been multiple follow-up calls and emails from our group to ensure we have not missed any requirements and to see if we needed to do anything else to keep the process moving ahead. Last month (i.e. March 2018) another email was submitted and they responded with a timeline of around another month before we would receive the final agreements.
- ii. May 2018 Authorization has been received to conduct the geotechnical testing.
- iii. August 2018 Trihydro is scheduled to complete the geotechnical testing.
- 3. State: No Updates

### 4. County:

a. June 2018 – The proposed budget documents were submitted to the County Commissioners, along with a detailed process for retrieving the Board meeting packets (including the meeting minutes) from the District's trashmatters.org website.

### 5. Municipalities:

a. June 2018 – At the June 2018 FCAG meeting copies of the draft agreement between the communities (drafted by our attorney) were distributed for review and comment at this month's meeting.

### Regulatory/Engineering/Legal/General Contractors

### Regulatory

- 1. WDEQ Solid and Hazardous Waste Division:
  - a. **WDEQ-SHWD** A new Manager of the WDEQ-SHWD has been hired to replace the retired Bob Doctor. Suzanne Ingalls, previously the permitting manager for the Cheyenne area has been hired to replace Mr. Doctor.
  - b. Shoshoni Landfill Closure Permit We submitted a letter requesting the review be delayed to allow for discussions around altering the gas collection portion of the cap. If approved this alteration may save the District up to \$300,000 in the closure costs.
  - c. Dubois Transfer Station Permit, Landfill Permit, and MSW Landfill Permits the WDEQ-SHWD completed both the Completeness Review and the Technical Adequacy review, and the District has completed the public notice requirements for both rounds and submitted proof of compliance. We are now awaiting our final permit approval.

- d. Lander Landfill Permit The WDEQ-SHWD completed the Completeness Review and the Technical Adequacy Review. The District has completed the first round of public notice requirements. Once the hard copies of the permits arrive from Trihydro, the District will begin the second round of advertising.
- e. **Sand Draw Landfill Permit** The WDEQ-SHWD completed the Completeness Review and the Technical Adequacy Review. The District has completed the first round of public notice requirements. Once the hard copies of the permits arrive from Trihydro, the District will begin the second round of advertising.

### Engineering

- 1. Burns and McDonnell:
  - a. Underground Storage Tank (UST) Project at the Lander Landfill: The project is moving ahead on schedule. The new tank was delivered the week of July 2, 2018, and the contractor started the excavation on July 9, 2018.

Legal: No Updates

### **General Contractors:**

### 1. Rocky Mountain Power:

- a. February and March 2018 Notice of the approval for the *new overhead power installation* was provided and a meeting with the new field routing representative was held to clarify the new route. An updated cost estimate was developed by them and there appears to be a small savings in comparison to the previous estimate. We are working with the Burns & McDonnell surveying group to complete the easement.
- b. March 2018 I again reached out to Rocky Mountain Power to request another power review in an *attempt to lower our power expenses* for the baler system. They have contractors who handle these types of reviews and after this request they have a group evaluating our options...
- c. April 2018 the week of April 2, 2018, we again met with Rocky Mountain Power to look at the staked route of their *easement* and discussed the idea of slightly altering *the location of the last power pole* to ensure the distance is within 100-ft of the power panels for the UST project.
- d. May 9, 2018 We submitted the final easement documents to Rocky Mountain Power. They have confirmed that all documentation has been submitted and are planning the installation.
- e. June 2018 The signed agreements and payment was submitted to Rocky Mountain Power with the understanding that the work will be completed within a few weeks.
- f. July 2, 2018 The new overhead power system has been installed and will be energized once the UST project is ready.

### 2. Wind River Indian Reservation - Solid Waste:

a. June & July 2018 – The District Negotiating Committee has been meeting with the Wind River Inter-Tribal Council (previously known as the Joint Council) to discuss the solid waste agreement.

### Sites/Operations/Equipment:

### Sites:

- 1. July 8, 2018 A *fire* was reported and managed at the Lander Landfill. The Fremont County Rural Fire Department and the City of Lander Fire Departments both had the fire under control by the time we had any staff onsite. The area was then immediately covered with soils to further starve the fire from continuing. The onsite Fire Department representatives could not determine what started the fire, but with the 4<sup>th</sup> of July holiday just passing and high temperatures, the is the potential for a number of causes.
- 2. May to July 2018 The Fremont County Weed & Pest has been working on District sites to help with the management of *noxious weeds*.
- 3. Shoshoni Landfill February 26, 2018, the *grant application* was submitted to the State Land and Investment Board for review and consideration. The District will likely not hear anything back from SLIB until June 2018.
  - a. May 2018 Following discussions with Craig McOmie (WDEQ) we have submitted a letter to WDEQ & SLIB requesting that our grant application be withdrawn from the June 2018 review and placed back into the file for the next round of reviews. This decision was made since the programs are without funding currently, yet scheduled to receive additional legislative funding later in the year.

### Operations:

- 1. Lander Landfill Groundwater Collection System Hauling:
  - a. 10/29/2017 11/30/2017: realized savings = approximately \$7,500.
  - b. 12/1/2017 12/31/2017: realized savings = approximately \$9,000.
  - c. 1/1/2018 1/31/2018: realized savings = approximately \$7,000.
  - d. 2/1/2018 2/28/2018: realized savings = approximately \$7,000.
  - e. 3/1/2018 3/31/2018: realized savings = approximately \$7,500.
  - f. 4/1/2018 4/30/2018: realized savings = approximately \$7,500.
  - g. 5/1/2018 5/31/2018: realized savings = approximately \$7,000.
  - h. 6/1/2018 6/30/2018: realized savings = approximately \$6,000.

### Equipment:

- 1. June 2018 The *Riverton Baler* received programming updates to keep the machine running efficiently.
- August 2018 The *Riverton Baler* will have its ejector ram removed and replaced to keep the system from any extended failures. This baling system is the primary baler for all of the FCSWDD recycling materials (the Lander Baler has not been used since January 2017).

### Miscellaneous/Upcoming Work & Events/Work in Progress: No Updates

### Work in Progress:

 March 2018 – An onsite meeting was held with a Power Systems Specialist from Wyoming Machinery to discuss the idea of housing an onsite generator at the Riverton Transfer Station to provide the necessary power for the baling system.

- a. May 2018 *Black Hills Energy* confirmed availability of adequate volumes of natural gas and have offered to install a gas line at no cost to the District once approved.
- b. July 2018 *Wyoming Machinery* refined their projected operating expenses associated with running a natural gas generator as the primary power source. It was concluded under a primary source option the hourly running cost would be \$3.57per hour, or \$31,300 per year (at 24-hour per day operation). This cost does not include the purchase price of approximately \$180,000 or the purchase of natural gas. Under this model the generator system does not make economical sense. We will be evaluating an option of utilizing a generator system during secondary demand as that charge is what significantly drives up the cost.
- 2. 2018 Household Hazardous Waste & Chemical Waste Cleanup Event:
  - a. June 23, 2018 The 2018 Household Hazardous Waste and Chemical Cleanup Event hosted at the Riverton Transfer Station was a success. There was a good showing of customers that utilized the opportunity. Volunteers from Wyoming Waste (x2), BLM (x3), Weed & Pest (x2), and Game & Fish (x1) made the event run smoother, and the wonderful team from Veolia handled the event with great professionalism. No final volumes have been reported as of yet.
- April 2018 the 2017 Financial Audit with DM-T is being planned and the dates coordinated.
  They will be conducting their field work the week of September 17, 2018, and their Financial
  Audit Report Presentation will be October 24, 2018, at 9:30am.
- 4. Underground Storage Tank (UST) Project at the Lander Landfill:
  - a. April and early May 2018 the existing gravity pipeline was exposed by the District to establish the tie-in location. Minor site grading has been completed by the District staff to allow for better site drainage prior to the start of the construction.
  - b. May to July 1, 2018 Patrick Construction and Burns & McDonnell worked through the project submittals.
  - c. July 2, 2018 The 20,000-gallon underground storage tank arrived and was unloaded.
  - d. July 9, 2018 Patrick Construction started the excavation for the tank.

Thank you,

Andrew Frey, P.E.

**Superintendent of Operations** 

Fremont County Solid Waste Disposal District

### Fremont County Solid Waste Disposal District Cost-Benefit Analysis of Alternative Volunteer Transfer Station Operations

July 10, 2018

### **Assumptions:**

- Free \$10 waste disposal for the volunteer when the site is open.
- The site(s) will be open only one day per week (limiting the free waste disposal).
- The free waste disposed of will be 3 bags of waste (maximum), or about 200-lbs.
- Each full roll-off weighs 1.5 tons (3,000-lbs), or 15 open days worth of free waste disposal.
- No savings for staff wages as the staff will still work 40-hours per week.
- There will be the same number of roll-offs hauled from the sites on the same frequency.
- The volunteers will transfer the monthly proceeds along with all of the receipts for filing/processing.
- The District will not transfer the recycling trailers. If the community desires to have the option, they will lease and transport.

### **Knowns:**

- Atlantic City is 70 miles (round trip) from the Lander Landfill, or 122 miles (round trip) from Riverton's Transfer Station.
- Lysite is 158 miles (round trip) from the Lander Landfill, or 106 miles (round trip) from Riverton's Transfer Station.
- Roll-Off Truck mileage rate is \$3.44 per mile.
- The Transfer Station pickup mileage rate is \$1.22 per mile, not accounting for the staff wages.

### Savings:

- Travel expenses for the transfer station attendant not traveling to the site:

Atlantic City (from Riverton TS) =

\$7,739.68

Lysite (from Riverton TS) =

\$6,724.64

\$14,464.32 = Potential Annual Savings

### Cost/Losses:

- Free waste each day the site is open!

Atlantic City =

\$520.00

Lysite =

\$520.00

\$1.040

\$1,040.00 = Potential Annual Losses

July 9, 2018

Fremont County Solid Waste Disposal District Board of Directors PO Box 1400 Lander, WY 82520

Re: Request to Attend the SWANA 2018 WasteCon Conference

### Board,

The Solid Waste Association of North America (SWANA) WasteCon 2018 conference is scheduled for August 20-22, 2018, at Nashville, Tennessee. The conference will provide a larger/different perspective on common challenges that we face here in Wyoming. Below is a summary of the cost estimate associated with attendance, and the proposed/planned agenda events selected with the associated agenda notes following for further description.

### Cost Estimate:

- Start the travel Sunday, return Thursday
- Registration @ \$1,350 → full conference, including all Keynote and break-out sessions, the MRF (material recovery facility) Summit, lunch on Tuesday and Wednesday, exhibit hall, and tradeshow.
- Travel:
  - o Riv-Den @ \$350 & Den-Nash @ \$350 = \$700
- Meals: \$250
- Hotel: \$1,010
- Unknowns/Contingency: \$150
- Total = \$3.460

### Proposed/Planned Attendance Agenda

### Monday

### Registration

Event Registration

### Presentation:

- SWANA's Young Professionals Presentation (8:00am-12:00pm)
  - SWANA's International Solid Waste Design Competition (SWDC) is a student team competition to solve "real world" problems faced by solid waste professionals.
  - This year's project will challenge students on "Evaluating Recycling Rate Metrics and Achieving Recycling Goals."

### Facility Tours:

- Honky Tonk Glass (1:00pm-5:00pm)
  - o In January 2018, Metro Nashville Public Works in partnership with the Mayor's Office rolled out the Honky Tonk Glass Bottle Recycling Program on the iconic lower Broadway of downtown Nashville. This unique program focuses on glass recycling for bars producing large amounts of glass bottles (an audit shows honky tonks have anywhere from 65-70% glass bottles in their waste stream). Participants will walk down the historic Ryman alley and visit one of the honky tonks to learn more about how the program was rolled out and how the bar owners & staff have adjusted their operations to incorporate glass bottle recycling.

### Tuesday

### Presentation(s):

- Opening Keynote with Concurrent Education Sessions (9:00am-11:00am)
  - New Ways to Solve Your Toughest Problems
  - During our high-energy, highly-interactive Kick-Off Keynote Session, you will roll
    up your sleeves and participate in several activities that will help you:
    - Gain confidence to solve the most complex problems your organization is facing
    - Grow deeper connections with others in your organization and your customers
    - Actually build something impactful
    - Learn how stories help to connect people and ideas
- Remote Monitoring and Control Systems and IoT at Landfills (11:30am-12pm)
  - Joins us as we explore a series of case studies of how the Internet of Things
    (IoT) and remote monitoring and control technologies have been successfully
    implemented at landfills. We will talk about how much the project's cost and what
    monetary benefits are expected from them.
  - o After this session, you will:
    - Understand how IoT and remote monitoring and control technologies have been implemented at landfills
    - See some of the capabilities of IoT and remote monitoring and control technologies
    - Get an idea of the costs and the expected returns on your investment

- Battling the Marine Debris Blues (12;00pm-1:00pm)
  - Huge amounts of metals, rubber, paper, textiles, derelict fishing gear, vessels, and other lost or discarded items like single-use plastics enter the marine environment every day, making marine debris one of the most widespread pollution problems. Learn how product stewardship by the plastics industry, along with other management approaches like trash interception, can help reduce and maybe someday eliminate—the plastics polluting the ocean and other waterways.
  - Who should attend: Public works officials, environmental advocates, engineers and scientists.
  - By attending this session, you will:
    - Understand the marine litter problem
    - Become aware of policies and legislation—what works, what doesn't
    - Be ready to take action in your community to prevent marine litter
- Vote for Your Favorite Pitch on How to Measure Recycling Rates (1:00pm-2:00pm)
  - Your goal is to increase recycling by a certain percent. How do you measure it? No one seems to use the same language to define what and how measure recycling. We will address this issue front and center. We'll provide an overview of popular and new metrics for measuring recycling rates, work in groups to determine what people think works best, and then we'll have a vote and discussion on the top two pitches.
- Helping Rural Communities with Solid Waste Management (3:15pm-4:30pm)
  - This session will showcase recent examples of on-site assistance designed to help rural communities provide environmentally sound waste disposal facilities to their residents while protecting public health and encouraging economic development. The Rural Community Assistance Partnership (RCAP) and its network of regional partners provide technical assistance and training to reduce or eliminate pollution of water resources and improve planning and management of solid waste sites in rural communities. Through U.S. Department of Agriculture Rural Development grants, RCAP's network has assisted more than 70 rural communities and counties in 24 states and Puerto Rico.

### Wednesday

### Presentation(s)

- The Changing Market for Recyclable Materials (8:30am-9:30am)
  - For years, China has been a needed pressure relief valve for commodities markets offering western recycled materials. Indeed, Material Recovery Facilities and recycling programs developed around what markets would accept. At one time, about 40%—over 19 million tons—of recycled paper was exported to China and often these were lower grades of paper not affordably recycled domestically. But times are changing. China and other international markets are placing a priority on environmental improvement and demanding levels of product quality that many MRFs and other suppliers find challenging to attain. Panelists in this program will provide an overview of new policies in place in China and discuss how these policies are affecting present and future of recycling.

### A Workforce Trend You Can't Ignore (10:45am-11:30am)

- In a study by IBM, over 5,000 C-Suite executives stated that their #1 fear for the future was the "Uberization" of their industry or marketplace. This energetic and informative session will help provide the keys in researching and determining what future disruption is coming your member's way. Three dynamic forces are changing every industry, as it has the taxi, real estate, publishing and music industries. No industry is exempt from Uberization. Over the last five years disruption has transformed many industries, putting the association and their members at risk. Do you know what may be heading your way, that could create havoc in your industry? Tom Morrison will share with your attendees:
  - Four visuals every executive should be looking at with future business planning
  - Three dynamic forces causing disruption
  - Three reasons why disruption is happening
  - Six places disruption occurs

### - Facing the Music - Are We All Listening to Different Tunes? (11:30am-1:30pm)

- There are challenges faced up and down the recycling stream. Environmentally-conscious brands want (need) to be fully recyclable which holding down material and design costs. Municipalities are eager to please taxpayers with effective and affordable recycling programs. MRF professionals are eager to improve access to materials and meet contract expectations, reduce contamination, improve product quality, and remain profitable. And endusers are eager to raise the quality and consistency of recycled commodities they purchase. Where do we draw the line between wishful recycling and reality?
- In breakout sessions, groups of brand-owners, municipalities, MRF professionals and end-users will "face the music" together as we look at challenges from each other's perspectives and, perhaps, propose innovative solutions.
- Fire Safety: A Growing Concern (2:00pm-3:00pm)
- Please, Take My Job (4:45pm-5:30pm)
  - You love your job and think waste management is the greatest industry in the world. But how do you continue your job growth and development? Do you want to move up the ladder in your organization? Or do you want to become a sought-after technical expert? In this session, industry veterans "tell it like it is," give tips on how they gained the positions they achieved and share lessons they learned along the way. Expect some realistic—and fun—stories for the next generation to take to heart.

Thank you,

Andrew Frey, P.E.

Superintendent of Operations

Fremont County Solid Waste Disposal District