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RECYCLING & ENERGY**
CONNECTING VALUE TO WASTE

**MEETING NOTICE
RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD
FACILITY & FINANCE COMMITTEE**

Date: Wednesday, July 10, 2024

Time: 2-3:30 p.m.

Commissioners, Key staff, Presenters:

Ramsey County Environmental Health | 2785 White Bear Ave N. | 2nd Floor Conference Room
Maplewood, MN | 55109 | [Map](#)

Public: Members of the public are encouraged to participate remotely or may attend at the Maplewood address.
[Microsoft TEAMS](#) | Phone Conference ID: 338 885 786# | Call in (audio only): 1-323-792-6297

AGENDA

I. Call to Order, Introductions

II. Approval of Agenda	Action	Page 1
III. Approval of Minutes – June 13, 2024	Action	Page 2
IV. Business		
a. Future Management of Refuse-Derived Fuel	Information	Page 5
V. Updates and Reports	Information	Page 14
a. R&E Center Updates		

VI. Adjourn

NEXT MEETING:

[TBD – If needed] | Ramsey County Environmental Health, Maplewood



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**THURSDAY, JUNE 13, 2024
RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD
FACILITY & FINANCE COMMITTEE MINUTES**

A meeting of the Ramsey/Washington Recycling & Energy (R&E) Facility & Finance Committee (F&FC) was held at 10 a.m. on Thursday, June 13, 2024, at the Ramsey County Environmental Health Office, 2785 White Bear Avenue North, Suite 350, Maplewood, Minnesota. Members of the public attended remotely or in person at the Maplewood address.

MEMBERS PRESENT

Commissioners Trista Martinson, Victoria Reinhardt – Ramsey County
Commissioner Karla Bigham, Chair – Washington County

ATTENDING AT RAMSEY ENVIRONMENTAL HEALTH, MAPLEWOOD

Leigh Behrens, Dave Brummel, Sam Hanson, Sam Holl, Diane Holmgren, Julie Ketchum, Nate Klett, Cassie Lefeber, Kathleen Murphy, Marcelo Neblett, Matt Phillips, Jim Redmond, Michael Reed, Jody Tharp, Ryan Tritz

ATTENDING REMOTELY

Kate Bartelt, Alisha Black, Alison Cameron, Amanda Erickson, Rae Eden Frank, Annalee Garletz, Jaimie Giesen, Kelli Hall, Troy Hanson, Susan Jamison, Kevin Johnson, Jennefer Klennert, David McConnell, Andrea McKennan, Elizabeth Mitchell, Juna Neisinger, Gabe Reynolds, Renee Vought, Caleb Werth

CALL TO ORDER/APPROVAL OF THE AGENDA

Chair Bigham called the meeting to order at 10:01 a.m. Introductions of those present in Maplewood were made. Commissioner Martinson moved, seconded by Reinhardt, to approve the agenda as presented.
Ayes: 3 Nays: 0 Motion carried.

APPROVAL OF MINUTES

Commissioner Reinhardt moved, seconded by Martinson, to approve the minutes of May 14, 2024.
Ayes: 3 Nays: 0 Motion carried.

BUSINESS

Budget Deficit Policy

Matt Phillips, R&E accounting manager, said an updated policy has been drafted, adding information to the existing policy regarding management of budget surpluses to address management of budget deficits at the end of a budget year. Phillips reviewed the new language.

Commissioners discussed the policy language and policy review schedules and processes. The Joint Leadership Team (JLT) said a policy is not currently in place for policy review schedules. The policy review schedules will fall under the authority of the new executive director.

Food Scrap Bag Sortation Services Vendor Selection

Sam Holl, R&E Center facility manager, reviewed the East Metro solid waste system, focusing on waste flow and transportation within the current system. Transload agreements expired at the end of 2022, and R&E

entered into "bridge" agreements. Agreements with those transfer stations without sortation capacity will not be renewed. When sortation capacity is in place at transfer stations operated by Waste Management of Minnesota, Inc. (WM) and Walter's Recycling and Refuse, Inc. (Walters), the number of transfer stations will be reduced from five to just these two. When sortation capacity has become operational at the WM transfer station in the central zone, all communities in the two counties will be able to participate in the Food Scraps Pickup Program, with participation anticipated at 143k households (44% of the waste system).

Holl reviewed the WM term sheet. Commissioner Reinhardt asked whether this is similar to the Walters agreement. Holl confirmed they are similar, the primary difference being that WM has a landfill and that is part of this agreement, whereas Walters does not.

Commissioner Biggam asked when the term sheet starts and whether budget savings will be seen. Holl said the agreement locks in the rates for a 10-year term, effective January 1, 2025. The R&E tipping fee will be increased by approximately \$12 per ton beginning in 2026 which reflects the added cost of sortation to recover the food scrap bags at the WM transfer station.

Commissioner Reinhardt asked whether the agreement requires the same sortation equipment as that installed at the R&E Center. Holl said that, rather than specifying an equipment vendor, contract specifications call for performance requirements on recovery and purity.

Holl requested that the resolution be amended to reflect the authority of the JLT to execute agreements with WM as needed. The current language of the final resolve states that JLT is authorized to execute "an agreement." The proposed change for the final resolve is:

RESOLVED, The R&E Board hereby authorizes the Joint Leadership Team to execute agreements with Waste Management of Minnesota, Inc. based on the approved term sheet following approval as to form by the County Attorney.

Commissioner Reinhardt moved, seconded by Martinson, to approve Resolution R&EB-FFC-2024-04, Food Scrap Bag Sortation Services Vendor, as amended. The Committee:

- Recommends the R&E Board approve Waste Management of Minnesota, Inc. as a selected vendor for food scrap bag sortation services.
- Recommends the R&E Board approve the food scrap sortation services terms sheet with Waste Management of Minnesota, Inc.
- Recommends the R&E Board authorize the Joint Leadership Team to execute agreements with Waste Management of Minnesota, Inc. based on the approved term sheet following approval as to form by the County Attorney.

Ayes: 3 Nays: 0 Motion carried.

Julie Ketchum, WM Director of Government Affairs, and Ryan Tritz, Sr. District Manager WM, thanked the committee and R&E for supporting the agreement. Ketchum shared that the acquisition of SET Inc. expands WM's capacity for creating and managing compost in the region.

UPDATES AND REPORTS

Future Refuse-Derived Fuel (RDF) Management Update

Holl provided an overview of R&E's management of RDF. The current waste delivery agreement with Xcel Energy (Xcel) expires at the end of 2027. A board workshop on the future of RDF is planned for the July 25,

2024, R&E Board meeting. Discussion at the workshop will include managing priorities for RDF solutions. An overview of the workshop will be provided at the July 10, 2024, F&FC meeting.

The draft agenda for the July 25, 2024, R&E Board workshop includes:

- Overview of R&E/county solid waste management strategies
- Current state and technology review
- Review of plan and strategies
- Board member questions and discussion

Facility Update

Holl provided updates on facility operations, transfer station sortation and RDF end markets.

ADJOURN

Chair Bigham declared the meeting adjourned at 11:12 a.m.

ATTEST

Karla Bigham, Chair
July 10, 2024

July 10, 2024



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R&E BOARD FACILITY & FINANCE COMMITTEE MEETING DATE:		July 10, 2024		AGENDA ITEM:		IV.a	
SUBJECT:		Future Management of Refuse-Derived Fuel					
TYPE OF ITEM:		<input checked="" type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input type="checkbox"/>	ACTION
SUBMITTED BY:		Joint Leadership Team (JLT)					

FACILITY & FINANCE COMMITTEE ACTION REQUESTED:

For information only.

EXECUTIVE SUMMARY:

The Ramsey/Washington Recycling & Energy (R&E) revised scope for resource management, a strategic road map for the East Metro solid waste management system, establishes a “phased approach to change conversion technology for refuse-derived fuel (RDF) and similar products and diversify markets” in the coming decades. This direction has driven the exploration and evaluation of new processing technologies for RDF and new end uses.

In November 2022, following robust vendor outreach and engagement efforts, R&E released a request for information to solicit proposals from providers capable of meeting the R&E Board’s need for processing technologies and end markets for RDF from the R&E Center. Responses were received in spring 2023, and additional engagement has been ongoing to explore opportunities for managing RDF in the future.

Over several months, from late 2023 through early 2024, R&E staff, leadership and consultants reviewed the options available for future RDF management. From this evaluation, this team identified the need for additional direction from the R&E Board to proceed with bringing a recommendation forward. Policy considerations and priorities for the future management of RDF, including cost implications, environmental benefits and mitigating pollutants of concern, require board input for the evaluation to proceed. As such, staff are planning a board workshop on July 25, 2024, to provide the following:

- An overview of R&E’s comprehensive approach to addressing waste
- A staff report and updates on:
 - the current R&E Center system and cost projections
 - the evaluation of future uses and technologies to manage RDF
 - the management of priorities
- Opportunity for board member questions and discussion

The attached memorandum from staff provides details on this topic. Staff will provide an overview of the board workshop presentation to the Facility & Finance Committee at the July 10, 2024, meeting.



SUBJECT: *Future Management of Refuse-Derived Fuel*

ATTACHMENTS:

1. Draft Memorandum dated July 3, 2024

FINANCIAL IMPLICATIONS:

Informational only. Future drivers to tipping fee changes are outlined in the attached memorandum.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM	7/2/24
	7/1/24
	



July 3, 2024

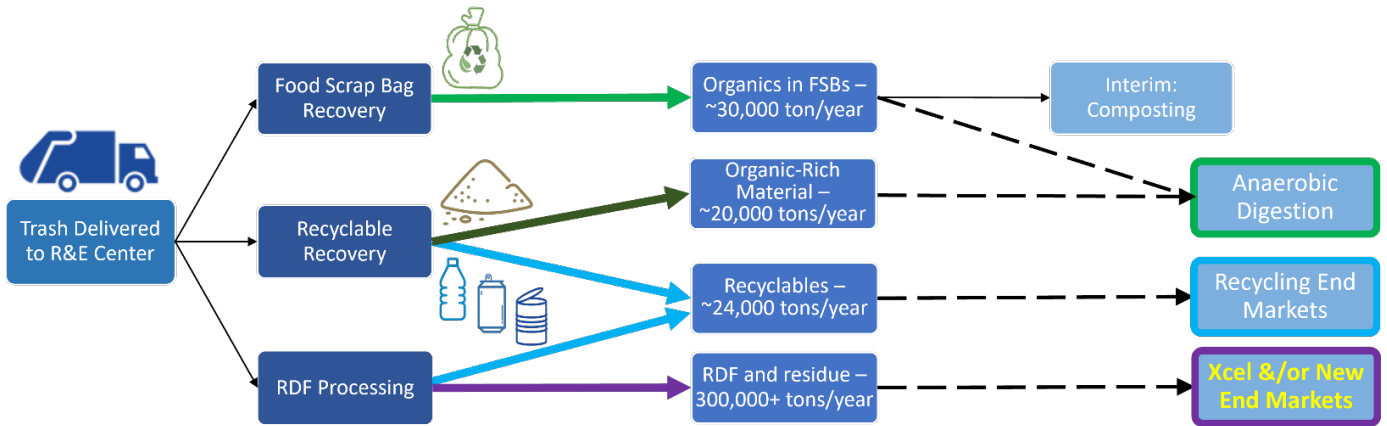
To: Ramsey/Washington Recycling & Energy (R&E) Board Facility & Finance Committee
From: Sam Holl, Facility Manager, and Leigh Behrens, Planning Manager
Re: **Future Management of Refuse-Derived Fuel**

Background

Ramsey and Washington Counties have been evaluating alternative solid waste management technologies for nearly two decades. Through the R&E Board, the counties have prioritized efforts to move high-value materials in waste up the solid waste management hierarchy. In 2019, the R&E Board reaffirmed the direction initially set in 2014, which envisioned a higher use for waste materials. The aim of this work is to achieve environmental, economic and community benefits for the East Metro for the next 20 to 30 years and beyond.

The R&E Center manages about 450,000 tons per year of municipal solid waste (MSW) generated by residents and businesses in Ramsey and Washington Counties. The primary product manufactured from MSW at the R&E Center is refuse-derived fuel (RDF). R&E and the counties move waste up the hierarchy through waste reduction and reuse programs, food scraps recycling, recyclables recovery and the production of RDF as a “value-add” to minimize landfilling.

The diagram below depicts the current system design for the flow of waste delivered to the R&E Center, including planned end markets (indicated by dashed lines).



Over 330,000 tons of RDF are manufactured at the R&E Center annually, diverting this material from landfills. R&E holds an agreement with Xcel Energy (Xcel) for the management of RDF via combustion for electricity generation at two facilities. The fees the R&E Center pays to Xcel under this agreement equate to about \$6.5 million per year. The electricity generated from RDF is enough to power over 13,000 homes annually. This agreement expires on December 31, 2027.

The R&E Board directed staff to pursue opportunities for RDF management beyond 2027, including alternatives to combustion. Work on these solutions included research, analysis, vendor engagement, reference facility site visits and the release of solicitations. These solicitations include:

- **June 2014:** Request for Expressions of Interest – Technologies to Process RDF
- **March 2018:** Phase 1 Request for Proposals (RFP) – Acceptance of RDF for Use in a Gasification Facility
- **October 2018:** Phase 2 RFP – Acceptance of RDF for Use in a Gasification Facility
- **August 2020:** Phase 1 RFP – End-Use Markets for Byproducts from the R&E Center
- **March 2021:** Phase 2 RFP – End-Use Markets for Byproducts from the R&E Center
- **(Current solicitation) November 2022:** Request for Information (RFI) – End Markets for RDF from the R&E Center

In the previous procurement efforts, R&E engaged with several interested parties but did not identify an alternative outlet for RDF that met R&E’s needs.

In November 2022, following robust vendor outreach efforts, R&E released the RFI for providers capable of meeting the R&E Board’s need for RDF end markets. The intent of this solicitation was to re-engage with prior and new vendors throughout the end market technologies industry. Responses were received in spring 2023, and additional engagement has been ongoing. R&E staff and consultants evaluating opportunities have identified the need for direction from the R&E Board regarding considerations and priorities for the future management of RDF, including cost implications, environmental benefits and potential to mitigate pollutants of concern.

Strategic Foundations for RDF Management

The approach to future RDF management is grounded in several elements of established R&E Board strategic direction, including the board principles, vision and mission statements and the scope for resource management.

The R&E Board principles were established in 2014, leading up to the purchase of the R&E Center. These principles are used to frame analysis and decision-making across the organization.

R&E Board Principles

- Plan for a 20- to 30-year horizon
- Assure flexibility
- Manage risk
- Pivot the view from “waste” to “resources” to add value to the local economy and environment
- Move resources up the waste hierarchy

The R&E vision and mission, established in 2019, are also important to how staff look at issues and decisions. The vision provides the strategic aim for the organization, and the mission describes how to embody the vision day-to-day.

R&E Vision Vibrant, healthy communities without waste

R&E Mission Enhancing public health and the environment by creating value from waste through partnerships

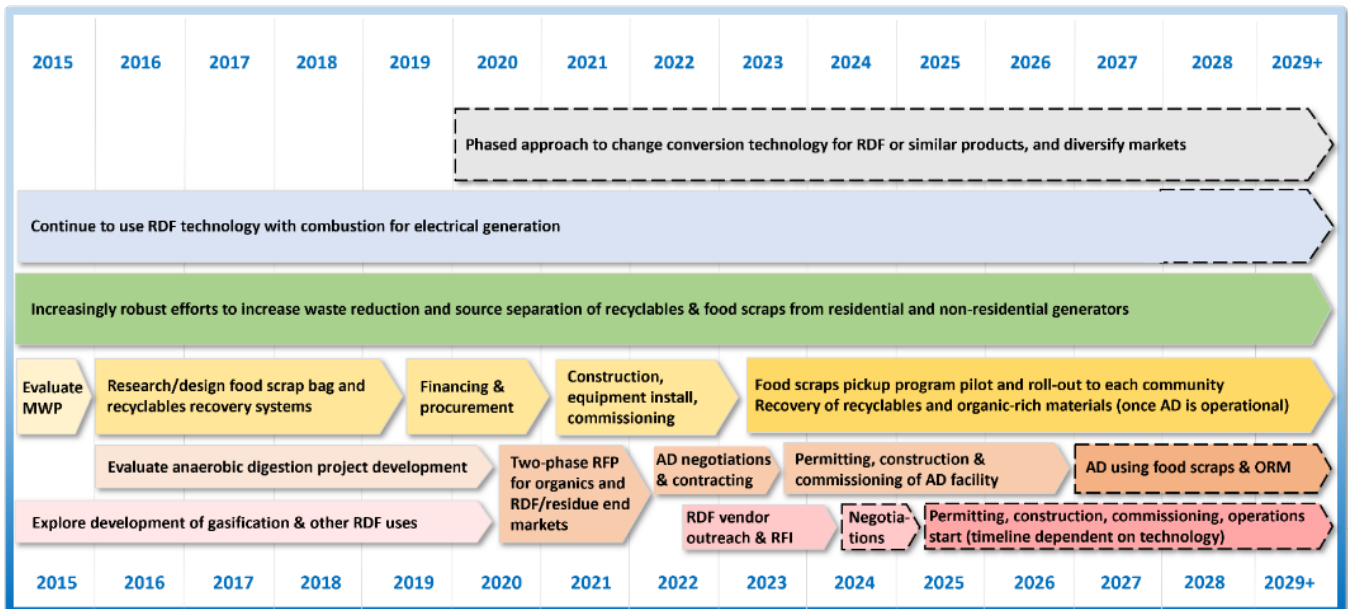
The vision’s use of the phrase “without waste” refers to both reducing waste at the source and the use of discarded materials as valuable resources that benefit the community. The mission’s use of the

phrase “through partnerships” refers to R&E’s collaborative approach, such as with the counties, other public entities and the private sector to achieve the R&E vision. This approach gives the counties access to opportunities that would otherwise be out of reach if approaching these goals individually. Both the vision and mission statements ground R&E in the public health lens.

The Scope for Resource Management was established in 2014 to create a roadmap for R&E to transform how discarded materials are managed in the East Metro. The counties’ plan has always been to do more to manage waste resources higher on the waste management hierarchy. Using this roadmap, the counties, through R&E, have made intentional investments in research, engineering, capital improvements, new programs and public-private partnerships over the past decade.

Revised* Scope for Resource Management

R&E’s Roadmap to an East Metro Without Waste



* Version 3.0 revised October 2023. Exact dates are subject to change.
 Note: Steps with dashed outlines represent uncertainty in timing and the need for the previous step to be successful.

The green bar (third from the top) depicts R&E’s continuous efforts on waste reduction and recycling at the source – R&E’s highest priority. The yellow bar (fourth from the top) shows the R&E Center enhancements, which include the recyclables recovery system and sorting of food scrap bags. Anaerobic digestion, shown in orange (second from the bottom), is anticipated to be operational in 2027.

The red-colored bars (bottom row of the graphic) depict the exploration of RDF management opportunities. Work to explore new, higher uses for RDF began before purchasing the R&E Center. Ramsey and Washington Counties, through the Resource Recovery Project Board at the time and the R&E Board to present, directed staff to explore and evaluate technologies that capture more value from waste beyond combustion for electrical generation.

The culmination of the R&E Board principles, vision, mission and scope for resource management results in an East Metro solid waste management system that delivers clear value to the community, economy and environment. Recent efforts, including facility enhancements and the launch of the Food Scraps Pickup Program, recover valuable components from waste for recycling, composting and, in the future, anaerobic digestion. The next step is to determine how the R&E Center’s RDF will be managed to benefit communities and the environment for the next generation.

Current State of East Metro Waste System

Through R&E, the counties have developed a comprehensive approach to addressing waste in the East Metro. By implementing systems that facilitate recycling and process high-value waste materials, less materials go to landfills and are instead converted into new products and renewable energy. This has contributed to a combined recycling rate in the East Metro of over 51% (as of 2022). It also has a substantial climate action benefit, reducing the greenhouse gas (GHG) emissions generated by waste.

Through R&E, the counties are currently rolling out the Food Scraps Pickup Program, which will enable at-home food scrap recycling to all East Metro households, regardless of city, hauler or housing type. This approach uses co-collection of food scraps bags with MSW at no additional cost to participants. Managing organic waste is critical to reaching the state's 75% recycling goal and climate action goals at the county and state level. Implementing this system requires R&E to facilitate new infrastructure to sort food scrap bags and process organics. This is being done by implementing public-private partnerships with waste industry partners.

One such partnership entails sortation of food scrap bags from MSW delivered to transfer stations. As of June 27, 2024, the board has selected Walters Refuse & Recycling and WM to provide this service to the north and central zones of the two counties, respectively. About 67% of residential and multi-unit MSW is delivered to transfer stations, and 33% is hauled directly to the R&E Center. The sortation agreements include a fee that R&E will pay to the two transfer stations to sort MSW containing food scrap bags. R&E will continue to manage the transportation of MSW to the R&E Center after sortation, as well as the delivery of sorted food scraps to a composting or anaerobic digestion facility.

Another public-private partnership for the management of organic waste is with Dem-Con HZI Bioenergy (DCHZI). The agreement signed in September 2023 sets the structure for using anaerobic digestion and a biochar process to manage 50,000 tons of food scraps and organic-rich materials per year. This partnership will generate renewable natural gas and 10,000 tons of biochar and result in a significant reduction of greenhouse gas emissions, about 30,000 metric tons of CO₂e annually, compared to if the organic waste went to a landfill. This is equivalent to the emissions of 7,600 cars taken off the road every year. Under the agreement with DCHZI, R&E will pay a tipping fee for the delivery of organic feedstocks for anaerobic digestion.

The agreement with Xcel is the main partnership between R&E and the private sector to manage solid waste responsibly. Under the current contract with Xcel, the R&E Center delivers a minimum of 300,000 tons of RDF annually to waste-to-energy (WTE) facilities in Red Wing and Mankato. This arrangement, combined with robust recycling and education efforts, allows the two counties to avoid landfill disposal for nearly 90% of all MSW generated in the two counties, one of the highest landfill diversion rates in the state.

The operation of the R&E Center, including the processing and transportation of waste, combined with R&E's cost commitments for loan repayment and fees from partner agreements, calculate into the tipping fee the R&E Center charges to haulers delivering MSW from the two counties' communities. The projection of current commitments is anticipated to translate into an approximate \$160 per ton tipping fee by 2028 (not including consumer price index increases). This provides the starting point for analyzing the cost to transition to new agreements to manage RDF past 2027.

Review of RDF Management Technologies

Combustion with Electricity Generation

In December 2023, the board approved a letter of intent for R&E staff and Xcel to negotiate terms for the continuation of the current agreement for an additional 10 years. Such an agreement would allow the R&E Center to continue delivering RDF to the Red Wing and Mankato WTE facilities through the end of 2037. A new contract is anticipated to include a higher Xcel tipping fee than the current fee (averaging out at \$18 per ton). The new fee will likely be approximately \$43 per ton, which will translate to an estimated \$13 cost impact to the R&E Center tipping fee.

There are benefits to continuing a partnership with Xcel. A substantial benefit is that these facilities are currently operational, while non-combustion alternatives do not yet exist in Minnesota. It is anticipated to take several years for new facilities to be designed, financed, permitted, constructed and commissioned. Continuing the partnership with Xcel ensures no disruption in the delivery of RDF to an end market facility between 2027 and 2037, while still allowing for exploration of new partnerships.

WTE facilities also reduce the volume of waste that needs to be landfilled – by 72% compared to if unprocessed MSW were delivered directly to landfill. Further, waste combustion has been shown to mitigate per- and polyfluoroalkyl substances (PFAS) in solid waste due to high heat destroying the chemical bonds. Additional benefits to WTE over landfilling of RDF includes greenhouse gas emission reductions. New opportunities for carbon capture are also on the horizon for WTE, which would provide additional carbon reduction benefits.

Non-Combustion Alternative Technologies

Beyond combustion, R&E has evaluated alternative technologies that can receive RDF, generate renewable energy and have the added benefit of capturing additional materials for recycling. These technologies involve proprietary processes to sort and recover materials from trash. Examples of these technologies include:

- Advanced pre-processing and anaerobic digestion of RDF
- Advanced pre-processing and secondary material sortation of RDF to recover paper fiber and additional recyclable material

Partnering with a vendor with either type of technology provides several benefits to R&E in alignment with the board’s strategic foundations. Transition to a non-combustion technology for RDF realizes the scope of resource management’s plan for a “phased approach to change conversion technology for RDF or similar products.” Following this phased approach, a new contract with Xcel could allow for a certain proportion of RDF to be delivered elsewhere without a put-or-pay implication. Essentially, such an arrangement would allow for a “ramp-down” of RDF for combustion and a “ramp-up” of delivering RDF to a new facility over several years.

Another major benefit is the ability to recover additional valuable products from waste. RDF can generate renewable energy products such as biogas or other fuel sources. Additionally, proprietary pre-processing and sortation techniques can recover additional recyclables from RDF, an added 10–16% of materials that could be recycled into new products. This, combined with anaerobic digestion and other techniques, reduces the volume of RDF needing additional management by about 50–75%.

The most substantial challenges of adopting a non-combustion alternative for RDF are related to cost implications and the management of byproducts. Based on the evaluation of current options, the cost to deliver RDF to an alternative facility is anticipated to be higher than Xcel fees. At a high level, initial calculations project an increase of around \$50–75 to R&E Center tipping fees upon the full transition to an alternative facility, not including inflation or consumer price index (CPI) changes. Additionally, because these alternatives use a biological and/or mechanical process to manage RDF, the remaining

material consists largely of non-recyclable plastics and other materials that produce a substantial amount of heat when combusted (measured in British thermal units, or BTU). This byproduct may not be suitable for combustion due to how WTE facilities are designed, which means it may need to be landfilled instead.

In both combustion and non-combustion scenarios, the R&E Center process of using RDF to generate energy provides a net benefit to public health, the environment and climate action by reducing the amount of GHG emissions generated from Ramsey and Washington County waste. GHG reduction calculations by technology type are being finalized as of this memorandum being published and will be provided to the committee at the July 25, 2024, R&E Board meeting.

The table below summarizes the options described above. These data points are all approximate and are based on the “baseline” costs post-2027, not including increases due to inflation or CPI.

	Xcel Energy (RDF combustion with electricity generation)	Pre-processing and digestion of RDF	Pre-processing and sortation of RDF for paper/add'l recycling
Approx. cost/ton to deliver RDF to end facility	\$43/ton	\$105/ton	\$150-170/ton
Annual cost to transport	\$5M to transport to Red Wing & Mankato	TBD based on facility location	NM (non-measurable): assumes location near R&E Center
Annual cost to R&E Facility Budget	\$17M	\$34.5M	\$45M
R&E Center tipping fee impact (addition to baseline)	+\$13/ton	+52/ton	+\$75/ton
Future R&E Center tipping fee*	\$173/ton	\$212/ton	\$235/ton
Additional recycling**	No	Yes - 10%	Yes – 16%
Volume reduction***	Yes - 80%	Yes - 49%	Yes - 72%
High BTU fuel byproduct (hard to manage material)	No – converted to ash for landfill disposal	Yes – 51% of feedstock	Yes – 25% of feedstock
GHG reduction vs landfill	<i>To be provided – calculations being finalized (anticipated favorable in all cases)</i>		
PFAS reduction	Yes	No	No
Carbon capture	Possible	No	No

*Assumes base tipping fee of \$160.

** Percent of delivered RDF that is recycled.

*** Percent reduction in tons of material compared to tons delivered to end market facility.

Review of Strategic Direction

An objective of the July 25, 2024, R&E Board workshop will be for the board to discuss the prioritization of considerations for determining the future management of refuse-derived fuel, recognizing trade-offs that prevent all considerations from being equally applied. The following is the list of considerations for the evaluation of technologies and vendors to manage RDF over the next 10 to 20 or more years.

- Maximizing recycling of materials from MSW

- Reducing the use of combustion
- Continuing to minimize landfilling
- Greenhouse gas emission reduction and state carbon-free requirements
- Community impacts
- Production of renewable energy and beneficial products from waste
- Pollutant reduction (e.g., PFAS management)
- Cost (impact to R&E Center tipping fees)

R&E staff received feedback on this list, the draft workshop agenda and the overall approach at the June 13, 2024, Facility & Finance Committee meeting.

Timeline and Next Steps

The graphic below provides the timeline to date for the current effort to procure future RDF management services.



Following the July 25, 2024, R&E Board workshop, the evaluation team for the RDF management RFI will re-engage with proposers based on the direction from the board. Renewed engagement will include the tolerances and priorities identified by the board to determine the vendor or vendors to be engaged toward securing one or more public-private partnerships to manage RDF post-2027.

Before the end of 2024, staff plan to bring forward a recommendation, first to the Facility & Finance Committee followed by the full board, for selection of one or more vendors to manage RDF. If approved by the board, this will lead to negotiations with vendor(s) for a term sheet, similar to the process for securing a vendor for anaerobic digestion. The resulting term sheet(s) will come back to the committee and board for approval to enter into negotiations for one or more agreements with vendors. Once consensus on an agreement is reached, it will be brought forward to the board for final approval. If an agreement requires the construction of a new facility to receive RDF, contract execution will start the process of land acquisition, final design, permitting, construction and commissioning. Depending on the type of facility, it is anticipated that this will be a multi-year process.



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R&E BOARD FACILITY & FINANCE COMMITTEE MEETING DATE:		July 10, 2024		AGENDA ITEM:		V
SUBJECT:	Updates and Reports					
TYPE OF ITEM:	<input checked="" type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input type="checkbox"/>	ACTION
SUBMITTED BY:	Joint Leadership Team (JLT)					

FACILITY & FINANCE COMMITTEE ACTION REQUESTED:

For information only.

EXECUTIVE SUMMARY:

Staff will provide updates on R&E efforts and operations, including:



- a. R&E Center Updates

ATTACHMENTS:

None.

FINANCIAL IMPLICATIONS:

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM  	7/2/24