



**MEETING NOTICE**  
**RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD**

**Date:** Thursday, March 25, 2021  
**Time:** 10:00 a.m. to 12:00 p.m.  
**Virtual Meeting:** <https://zoom.us/j/93036789250?pwd=Nms0ZndnSUdmWDVjTkZuaER2K3dhZz09>  
 Phone: 1-651-372-8299 | Meeting ID: 930 3678 9250 | Passcode: 319727

*The Chair of the Ramsey/Washington Recycling and Energy Board has determined that an in-person meeting is not practical or prudent because of the COVID-19 pandemic and the declared state and local emergencies. Commissioners will participate by telephone or other electronic means and the Board meeting will be conducted pursuant to and in compliance with Minnesota Statute 13D.021 and 13D.04 Subd. 3. Members of the public will be able to watch the public meeting live online.*

**AGENDA:**

- I. Call to Order, Introductions, Commissioner Roll Call**
- II. Approval of Agenda** Action Page 1
- III. Approval of Minutes – January 28, 2021 Meeting** Action Page 3
- IV. Recognize Zack Hansen Upon His Retirement** Action Page 8
- V. Consent Agenda - No agenda items.**
- VI. Governance - No agenda items.**
- VII. Management and Administration**
  - a. Facility & Finance Committee Report
    - i. 2020 Budget Overview Information Page 11
    - ii. 2021 Labor Agreement Negotiations Process Information Page 14
    - iii. End-Use Markets Request for Proposals Phase I Recommendations Action Page 18
  - b. R&E Center Enhancements
    - i. Construction Vendor Selection Action Page 30
    - ii. DCB Equipment Vendor Selection Action Page 54
    - iii. Earth Day Groundbreaking Information Information Page 63
- VIII. Policy – No agenda items.**
- IX. Updates and Reports** Information Page 64
  - a. Legislative Briefing
  - b. Facility Updates
  - c. Procurement Report Page 65

**X. Other**

- a. Invitation for Comments from Ex Officio R&E Board Members: Information  
MPCA and City of Newport

**XI. Adjourn**

**NEXT MEETINGS:**

Facility & Finance Committee | Thursday, April 15, 2021 | 10:00 am – 12:00 pm | Zoom meeting

R&E Board | Thursday, April 22, 2021 | 10:00 am – 12:00 pm | Zoom meeting



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**RAMSEY/WASHINGTON RECYCLING & ENERGY BOARD MINUTES  
THURSDAY, JANUARY 28, 2021**

A meeting of the Ramsey/Washington Recycling & Energy Board (R&E Board) was held at 10:00 a.m. on Thursday, January 28, 2021 as a virtual meeting. Essential staff participants met at the Ramsey County Environmental Health Office, 2785 White Bear Avenue North, Suite 350, Maplewood, Minnesota. Other participants joined through Zoom.

*The Chair of the Ramsey/Washington Recycling and Energy Board has determined that an in-person meeting is not practical or prudent because of the COVID-19 pandemic and the declared state and local emergencies. Commissioners will participate by telephone or other electronic means and the Board meeting will be conducted pursuant to and in compliance with Minnesota Statute 13D.021 and 13D.04 Subd. 3. Members of the public will be able to watch the public meeting live online.*

**MEMBERS PRESENT**

Commissioners Wayne Johnson, Stan Karwoski, Fran Miron, Lisa Weik – Washington County  
Commissioners Nicole Frethem, Trista MatasCastillo, Mary Jo McGuire, Rafael Ortega, Victoria Reinhardt – Ramsey County

**MEMBERS NOT PRESENT**

Commissioner Jim McDonough – Ramsey County (alternate)  
Commissioner Gary Kriesel – Washington County (alternate)

**EX-OFFICIO MEMBERS PRESENT**

Dave Benke, Minnesota Pollution Control Agency (MPCA)  
Tom Ingemann, City of Newport

**ATTENDING AT RAMSEY ENVIRONMENTAL HEALTH, MAPLEWOOD**

Leigh Behrens, Zack Hansen, Sam Holl, John Ristad, Nikki Stewart, Jody Tharp, Jordan Thone

**ATTENDING REMOTELY**

Shannon Conk, Sheena Denny, Dan Donkers, Rae Eden Frank, Jamie Giesen, Tom Gratz, Tony Hainault, Kelli Hall, Sam Hanson, Filsan Ibrahim, Fatima Janati, Kevin Johnson, Julie Ketchum, Jennefer Klennert, Nate Klett, Nick Kluge, Alexandra Kotze, Kevin Magnuson, Ashley Marston, Leslie Duling McCollam, Andrea McKennan, Rob Murray, Logan O'Grady, Melissa Peck, Natasha Pearson, Mark Riegel, Ken Smith, John Springman, Mark Stoltman, Jeff Travis, Ryan Tritz, Margaret Vesel, Kris Wehlage, Joe Wozniak, Susan Young, Margaret Zuckweiler

**CALL TO ORDER/APPROVAL OF THE AGENDA**

Chair Miron called the meeting to order at 10:01 a.m. The conduct of remote meeting statement was read. New members were welcomed. Introductions of participants present at Maplewood were made. A roll call of commissioners was conducted.

Commissioner MatasCastillo moved, seconded by McGuire, to approve the agenda as presented.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

#### **APPROVAL OF THE OCTOBER 22, 2020 MINUTES**

Commissioner Reinhardt moved, seconded by MatasCastillo, to approve the October 22, 2020 minutes.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

#### **CONSENT AGENDA**

Zack Hansen, Joint Leadership Team (JLT), noted a correction to the Foth Contract Amendment.

Commissioner Weik moved, seconded by MatasCastillo, to approve the Consent Agenda, with correction to Resolution R&EB-2021-01.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

Foth Infrastructure & Environment, LLC - Contract Amendment (Resolution R&EB-2021-01)

The R&E Board:

- Approves the amendment to the agreement between R&E and Foth Infrastructure & Environment, LLC with a term of January 1, 2021 through December 31, 2021, for engineering and technical consulting skills and additional engineering and technical services related to the processing enhancements project resulting in the total not to exceed of \$500,000 for 2021, and authorizes the chair to execute these agreements, upon approval as to form by the Ramsey and Washington County Attorneys.

Designating Enterprise Reserve Funds for Debt Service Reserve Fund for Bonds (Resolution R&EB-2021-02)

The R&E Board:

- Dedicates about \$2.7 million, the exact amount to be determined at the time of bond sale, of the Enterprise Reserve Fund (ERF) to serve as a debt service reserve fund for the general obligation bonds to be issued by Ramsey County on behalf of both Ramsey and Washington Counties.
- Authorizes the Joint Leadership Team (JLT) to transfer the exact amount to be determined at the time of bond sale from the ERF to Ramsey County to hold as a debt service reserve fund on the condition that it may only be used for that purpose, and that Ramsey County use the funds to pay the final bond payment.

#### **GOVERNANCE**

##### **Election of Officers**

###### **Chair**

Chair Miron asked for nominations for the position of the R&E Board Chair, who will be from Ramsey County. Commissioner Miron nominated Commissioner Reinhardt; nomination was moved by

MatasCastillo. Hearing no other nominations, Commissioner Reinhardt was elected Chair of the R&E Board for a two-year term.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

***Vice Chair***

Chair Reinhardt asked for nominations for the position of Vice Chair, who will be from Washington County. Commissioner Johnson nominated Commissioner Miron for Vice Chair. Hearing no other nominations, Commissioner Miron was elected Vice Chair for a two-year term.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

***Secretary/Treasurer***

Chair Reinhardt asked for nominations for the position of Secretary/Treasurer, who may be from either county. This fulfills the second year of a two-year term held by Commissioner Carter. Commissioner Miron nominated Commissioner Johnson for Secretary/Treasurer. Hearing no other nominations, Johnson was elected Secretary/Treasurer for a one-year term.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

***Appointments to the Facility & Finance (F&F) Committee***

Chair Reinhardt stated that, per R&E Board Bylaws, Secretary/Treasurer Johnson is the F&F Committee Chair. Commissioner Miron moved, seconded by McGuire, to ratify the appointment of Commissioners Frethem and MatasCastillo to the F&F Committee for one-year terms.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

***Appointment of Alternates to the Partnership on Waste & Energy (PWE) Governing Board***

Chair Reinhardt requested one commissioner from each county to serve as alternates for the PWE Board. Commissioners Johnson and MatasCastillo agreed to the appointment. Commissioner Weik moved, seconded by Karwoski, to ratify appointments of Johnson and MatasCastillo as alternates for the PWE Board for 2021, representing Washington and Ramsey counties.

Motion carried with an 8-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Reinhardt, Weik

Nays: None

Chair Reinhardt left the meeting. Vice Chair Miron presided over the remainder of the meeting.

## **MANAGEMENT AND ADMINISTRATION**

### **2021 R&E Board & Committee Schedule**

Nikki Stewart, JLT, presented a proposed 2021 calendar of meetings of the R&E Board, Executive Committee, and the Facility and Finance Committee. Dates and anticipated topics were proposed, understanding that changes may be necessary as the year progresses. A correction to the June Facility & Finance Committee meeting date was noted.

Commissioner Johnson moved, seconded by Commissioner Frethem, to approve Resolution R&EB-2021-03, with meeting date correction. The R&E Board:

- Approves the 2021 R&E Board and Committee meeting calendar.
- All meetings shall be held either in a virtual format by Zoom, or at the offices of Ramsey County Environmental Health located at 2785 White Bear Avenue North, Suite 350, Maplewood, MN, 55109, unless otherwise changed by board action.

Motion carried with a 7-0 roll call vote.

Ayes: Frethem, Johnson, Karwoski, MatasCastillo, McGuire, Miron, Weik

Nays: None

Commissioner Ortega joined the meeting.

## **POLICY**

No agenda items.

## **UPDATES AND REPORTS**

### **Facility Updates**

Sam Holl, R&E interim co-facility manager, provided an update on 2020 waste volumes delivered to transfer stations and the R&E Center. He shared photos of the construction on the bulky waste loadout enclosure and the administration building remodel.

### **Facility Enhancements Project Updates**

Sam Holl shared design renderings of the durable compostable bags (DCB)/recycling recovery equipment and processing enhancements construction project.

Leigh Behrens, R&E planning specialist, provided an update on projects occurring parallel to the construction of facility enhancements to prepare the food scrap bag program for launch to the public. Projects include solicitation for manufacturing compostable food scrap bags, contracting for development and implementation of an ordering and fulfillment system, planning for program communications and marketing, continuing engagement with the public and partners, and solicitation of end markets to manage food scraps sorted at the R&E Center and transfer stations.

Commissioner McGuire inquired about the program timeframe. Behrens said it is contingent on construction completion which is currently expected to be early 2022, followed by a pilot phase to ensure facility operations are able to sort effectively. Anticipated launch is fourth quarter 2022 or first quarter 2023.

Commissioner Karwoski inquired about the effect of additional organics on odor issues. Nikki Stewart responded that there will still be the same amount of organics arriving at the R&E Center. What changes is, once the enhancements are in operation, this same material will be arriving in food scrap bags

instead. There could be some odor and additional odor mitigation equipment will be added as part of this expansion.

**Joint Activities Updates**

Andrea McKennan, R&E communications and outreach coordinator, shared a brief overview of the updated R&E website design and a new virtual tour of the R&E Center that is available on the website.

**Procurement Report**

Sam Holl, R&E contracts manager, provided a report of contracts and amendments executed in the period October 1, 2020 through January 12, 2021.

**OTHER**

**Invitation for comments from Ex Officio R&E Board members.**

Dave Benke, MPCA, applauded the joint powers efforts to continue and enhance the recovery of resources from waste.

Vice Chair Miron welcomed the new liaison from the City of Newport, Tom Ingemann.

**ADJOURN**

Vice Chair Miron declared the meeting adjourned at 10:52 a.m.

ATTESTED TO:

Approved: \_\_\_\_\_  
March 25, 2021

Approved: \_\_\_\_\_  
March 25, 2021



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

R&E BOARD MEETING DATE:			March 25, 2021			AGENDA ITEM:		IV.	
SUBJECT:		Recognizing Zack Hansen Upon His Retirement							
TYPE OF ITEM:		<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
SUBMITTED BY:		Joint Leadership Team							

**R&E BOARD ACTION REQUESTED:**

Approve resolution recognizing Zack Hansen upon his retirement.

**EXECUTIVE SUMMARY:**

Zack Hansen, Ramsey County Environmental Health Division Director, has had an outstanding career of public service in environmental health and working on waste, recycling, and energy programs and policy. Zack has been working with the counties since 1984, with a few years at Washington County and at Ramsey County since 1989.

Zack has been involved in resource recovery issues with the counties for many years. Most recently, serving on the Joint Leadership Team (JLT) for the Recycling & Energy Board (R&E Board), Zack has helped lead a number of key projects and initiatives. Examples include the counties' purchase of the Recycling & Energy Center (R&E Center), the transition to public ownership and operations of the facility, the implementation of waste designation, and research and plans for new technologies at the R&E Center. Zack also assisted in the R&E's direction for joint activities between the counties to work together to meet county waste management master plan goals and state objectives, and last year helped the R&E Board secure state bonding for improvements to the facility to recovery more recyclables and organics from the waste stream and connect more value to waste. Zack has been committed to the counties' goals to protecting public health and the environment, and a champion of the R&E's vision of vibrant, health communities without waste.

Zack will be greatly missed. We want to take a moment to recognize Zack for his time and commitment to the R&E and his vision, leadership, and guidance in moving the East Metro waste system into a new frontier of waste management and technology, providing for a better future for the health and environment of our communities.

Zack will attend the meeting on March 25 so the R&E Board may recognize him and thank him for his service.


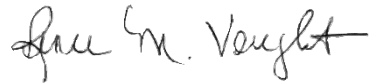

**ATTACHMENTS:**

1. Draft resolution.

**SUBJECT:** *Recognizing Zack Hansen Upon His Retirement*

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM	3/15/21
 	3/15/21
WASHINGTON COUNTY ATTORNEY	3/15/2021
	



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

**RESOLUTION R&EB-2021-04**

WHEREAS, Ramsey and Washington Counties (the “Counties”) have committed to continue to protect and ensure the public health, safety, welfare and environment of each County’s residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, The Ramsey/Washington Recycling & Energy Board (the “R&E Board”) is governed by the amended and restated joint powers agreement by and between Ramsey County and Washington County dated September 22, 2015, (“Joint Powers Agreement”); and

WHEREAS, the R&E Board provides solid waste services to all residents, businesses, and institutions in the two counties; and

WHEREAS, the R&E Board focuses on the resource value of trash and opportunities presented by increased source separation of recyclables, and addition of new technology to recover value out of trash in the East Metro, while diverting as much as possible from landfills and meeting and exceeding the state’s recycling goals; and

WHEREAS Zack Hansen has worked for Ramsey County since 1989 on environmental health issues, including waste management, and has worked on behalf of the residents of Ramsey County with commitment and vision, and has been instrumental in the development of an integrated waste management system; and

WHEREAS on behalf of Ramsey County, Zack has served in a leadership position on the joint Ramsey and Washington Counties’ waste and resource management efforts, currently serving on the Ramsey/Washington Recycling & Energy (R&E) Joint Leadership Team; and

WHEREAS, Zack is a recognized leader on waste and recycling and has provided excellent service, leadership and commitment to the R&E and the significant milestones achieved by the R&E and the Counties. NOW, THEREFORE, BE IT

RESOLVED, The R&E Board hereby expresses its profound gratitude to Zack Hansen for outstanding public service in environmental health and solid waste management and his commitment to managing waste higher on the waste management hierarchy and designing systems and programs that are equitable to communities and individuals and improve public health. BE IT FURTHER

RESOLVED, that the R&E Board wishes Zack Hansen well in his future retirement.

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Victoria Reinhardt, Board Chair  
March 25, 2021

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Attest  
March 25, 2021



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	VII.a.i.
<b>SUBJECT:</b>	2020 Budget Overview		
<b>TYPE OF ITEM:</b>	<input checked="checked" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION
<b>SUBMITTED BY:</b>	Facility & Finance Committee		

**R&E BOARD ACTION REQUESTED:**

For information only.

**EXECUTIVE SUMMARY:**

Staff will provide an overview of the 2020 year-end balances for Ramsey/Washington Recycling & Energy budgets (Facility, Joint Activities, and Equipment Maintenance & Replacement). Below are items to note for each budget.

2020 year-end Facility Budget – ended year with an overall surplus

- 443,000 MSW tons in system, compared to 450,000 MSW tons budgeted for 2020
- Personnel costs savings due to vacancies and less overtime paid
- Fuel supply/transportation cost savings due to fewer tons in the system than budgeted for 2020
- Landfill costs over budget due to scheduled and non-scheduled downtime for Xcel Energy facilities and no alternative outlets for RDF
- Revenue shortage due to less tons in the system than budgeted for 2020

2020 year-end Joint Activities Budget – ended year with an overall surplus

- COVID-19 pandemic drastically slowed the growth of programs, resulting in underspending
- Businesses shut down or operated at reduced capacity during most of 2020
- Ramsey County Additional Programs saving of \$1 million will carry over to 2021 budget

2020 year-end Equipment Maintenance & Replacement (EM&R) Budget – ended year balanced

- Addressed all planned large-scale maintenance in the 2020 budget
- 2020 budgeted projects are still in process
- EM&R cumulative reserve fund is on track for coming years' EM&R needs

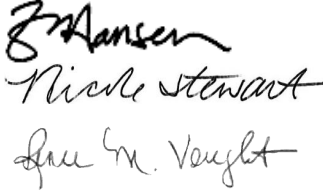

**ATTACHMENTS:**

1. Surplus/Deficit Year-End Projection Report

**SUBJECT:** 2020 Budget Overview

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM	3/16/21
	
WASHINGTON COUNTY ATTORNEY	3/16/21
	

**Ramsey/Washington Recycling & Energy**  
**SURPLUS/DEFICIT YEAR-END PROJECTION REPORT**  
**As of December 31, 2020**

<b>FACILITY</b>	<b>2020 Approved Budget</b>	<b>2020 Projection</b>	<b>Variance</b>
Personnel Costs	7,900,217	6,748,015	1,152,202
Fuel Supply	7,020,217	5,809,646	1,210,571
Landfill	3,552,335	6,076,254	(2,523,919)
Transportation	7,299,919	6,172,962	1,126,957
Transload	2,249,644	2,275,753	(26,109)
Facility Operations	5,561,594	6,204,639	(643,045)
Contingency	509,295	-	509,295
Enterprise Reserve Fund (ERF)	1,500,000	1,500,000	
Transfer to Equipment Maintenance	1,852,500	1,852,500	-
Debt Services	1,697,155	1,697,155	-
	<b>39,142,876</b>	<b>38,336,924</b>	<b>805,952</b>
Revenue:	39,142,876	38,942,708	(200,168)
Surplus/(Deficit)	-	605,784	605,784
<b>JOINT ACTIVITIES</b>	<b>2020 Approved Budget</b>	<b>2020 Projection</b>	<b>Variance</b>
Project Management	1,571,964	1,594,092	(22,128)
Non-Residential Recycling	3,603,000	2,835,966	767,034
General Outreach	1,045,000	754,456	290,544
Policy Evaluation	870,000	716,005	153,995
Ramsey County Additional Programs	1,964,000	954,743	1,009,257
	<b>9,053,964</b>	<b>6,855,262</b>	<b>2,198,702</b>
Revenue:	9,053,964	9,070,443	16,479
Surplus/(Deficit)	-	2,215,181	2,215,181
<b>EQUIPMENT MAINTENANCE</b>	<b>2020 Approved Budget</b>	<b>2020 Projection</b>	<b>Variance</b>
Equipment/Maintenance	1,145,000	1,144,830	170



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	VII.a.ii
<b>SUBJECT:</b>	2021 Labor Agreement Negotiations Process		
<b>TYPE OF ITEM:</b>	<input checked="" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION
<b>SUBMITTED BY:</b>	Facility & Finance Committee		

**R&E BOARD ACTION REQUESTED:**

For information only.

**EXECUTIVE SUMMARY:**

At the Facility & Finance Committee meeting on March 8, 2021, the Joint Leadership Team (JLT) proposed a labor agreement negotiation process. The committee approved the process by resolution R&EB-FFC-2021-01.

The current labor agreement with IBEW Local 23 terminates at the end of 2021. A new three-year labor agreement will be negotiated during 2021, to commence on January 1, 2022. The current labor agreement, like the previous one (2018-2020), was based on the agreement between Resource Recovery Technologies (the previous private sector facility owner) and IBEW Local 23, but it had been modified to comply with the Minnesota Public Employees Labor Relations Act (PELRA).

A one-year agreement was negotiated and approved for 2021 for several reasons. The COVID pandemic consumed a lot of staff time. In May 2020, the facility manager resigned. This position is important in ongoing labor relations and was not filled before the end of 2020. The technological and operational changes coming soon to the R&E Center will affect union job classifications and the number of union staff, which will grow by an estimated 18 positions. For these reasons, in addition to knowing that both parties want to make changes from the old agreement, a one-year agreement was agreed upon. This allowed more time to negotiate a new three-year agreement with a term beginning in 2022.

The Facility & Finance Committee approved the following process for the labor negotiations in 2021. The Facility & Finance Committee (F&F Committee) will serve as the policy committee for this work. These are the steps, also illustrated in the attached flow chart:

- Solicitation of labor consultant – A request for proposals (RFP) will be issued for a labor consultant. The agreement with the current consultant, Madden, Galanter and Hansen, has expired. The selected consultant will be under contract for up to five years. As before, the two counties' human resources departments will be asked to assist in vendor selection.
- Identify desired changes in the current agreement. Both parties are informally preparing their desired changes to the agreement.
- The R&E positions will be framed as policy parameters for approval by the F&F Committee; this meeting can occur in a closed session.

**SUBJECT: 2021 Labor Agreement Negotiations Process**


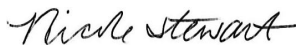

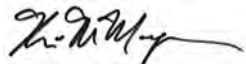
- Official notice between the parties and of the Bureau of Mediation Services begins the formal process.
- The R&E Bargaining Team (JLT, facility manager, human resources manager, labor consultant) and the Union Bargaining Team will commence negotiations.
- As negotiations proceed, the R&E Bargaining team will check in with the F&F Committee and provide updates. Should there be a need for further policy action, that will be brought forward to the F&F Committee in a closed session.
- Upon agreement, the F&F Committee will be requested to accept the terms and recommend approval to the R&E Board.

**ATTACHMENTS:**

- Labor negotiations flowchart
- Resolution R&EB-FFC-2021-01

**FINANCIAL IMPLICATIONS:**

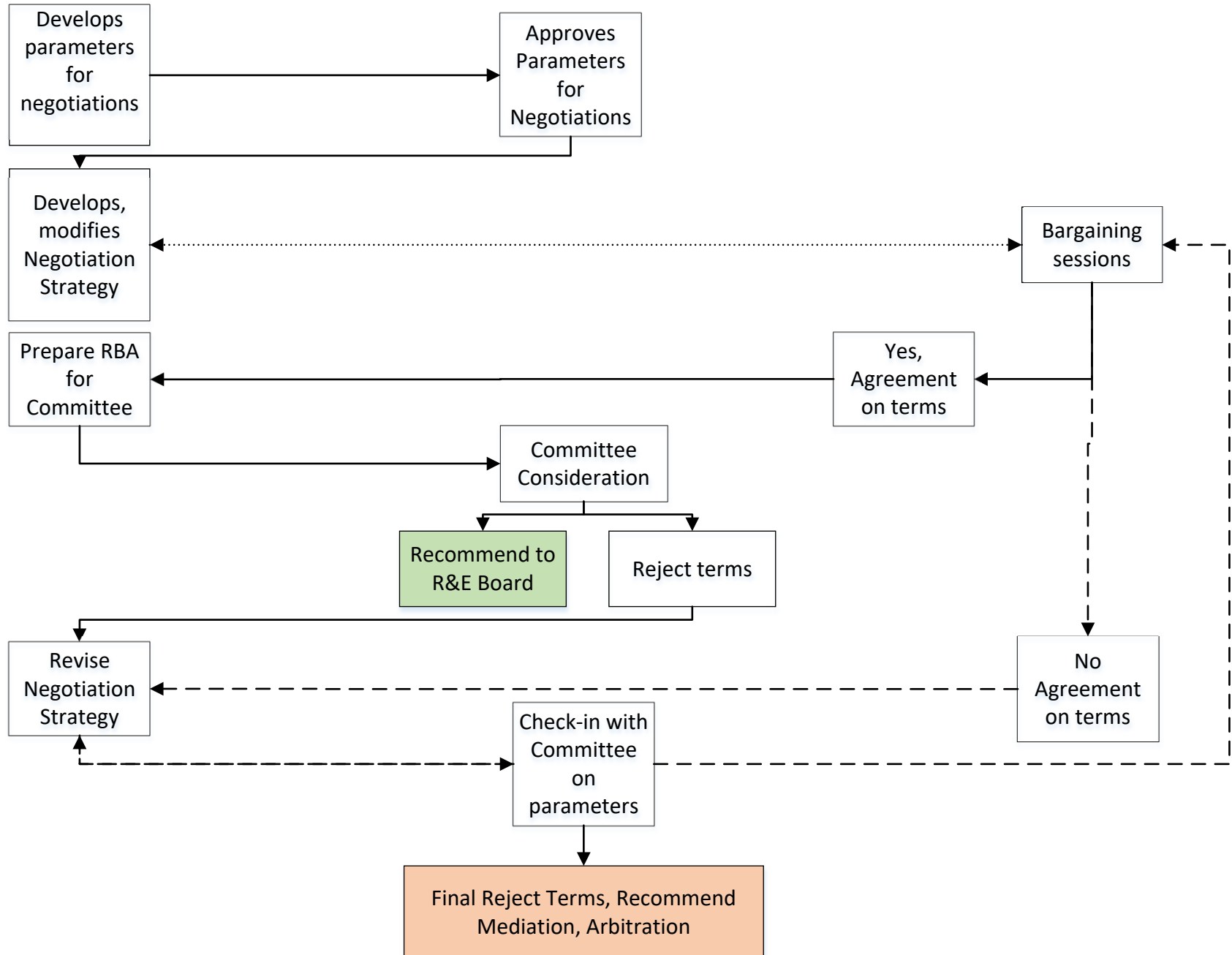
None.

AUTHORIZED SIGNATURES		DATE
JOINT LEADERSHIP TEAM		3/16/21
		
		
RAMSEY COUNTY ATTORNEY		
WASHINGTON COUNTY ATTORNEY		3/17/21

R&E Bargaining Team

Facility & Finance  
Committee

Union Bargaining Team





**RESOLUTION R&EB-FFC-2021-01**

WHEREAS, The Ramsey/Washington Recycling & Energy Board (“R&E Board”) is governed by the amended and restated Joint Powers Agreement by and between Ramsey County and Washington County dated September 22, 2015 (“Joint Powers Agreement”) which provides for employment of staff by the R&E Board; and

WHEREAS, The Public Employer Labor Relations Act allows for collective bargaining agreements of up to three years; and

WHEREAS, The COVID-19 pandemic delayed negotiations, and with new equipment and operations being planned, and a change in the facility manager position, the Joint Leadership Team (JLT) decided to negotiate a one-year agreement for 2021 to allow for more time to negotiate a three-year agreement for 2022-2024 in the future; and

WHEREAS, The R&E Board approved a one-year agreement with IBEW Local 23 (“Union”) beginning January 1, 2021 with Resolution R&EB-2020-14 on October 22, 2020; and

WHEREAS, A Bargaining Team comprised of the JLT, facility manager, human resources manager, and labor consultant will negotiate with the Union, with a request that the Facility & Finance Committee (F&F Committee) serve as the policy committee for this work; NOW, THEREFORE, BE IT

RESOLVED, The Recycling & Energy Board Facility & Finance Committee hereby accepts the labor agreement negotiation process and role of the Facility & Finance Committee.

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Wayne Johnson, Committee Chair  
March 8, 2021

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Attest  
March 8, 2021



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	VII.a.iii
<b>SUBJECT:</b>	End-Use Markets Request for Proposals (RFP) Phase I Recommendations		
<b>TYPE OF ITEM:</b>	<input type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input checked="" type="checkbox"/> ACTION
<b>SUBMITTED BY:</b>	Facility & Finance Committee		

**R&E BOARD ACTION REQUESTED:**

1. Approve the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to propose to the second phase of the End-Use Markets RFP.
2. Authorize the Joint Leadership Team (JLT) to develop and release the End-Use Markets for Byproducts from the Recycling & Energy Center Phase II RFP, evaluate the responses to the RFP and return to the R&E Board with a recommendation regarding contract negotiations.

**EXECUTIVE SUMMARY:**

At its meeting on March 8, 2021, the Facility & Finance Committee reviewed information about the responses to the phase I RFP for end-use markets of Recycling & Energy Center (R&E Center) byproducts. After discussion, the committee approved resolution R&EB-FFC-2021-02, which recommends that the Ramsey/Washington Recycling & Energy Board (R&E Board) approve the actions presented above. The following information and attached memo provide additional detail.

Ramsey and Washington counties have been evaluating alternate waste management technologies for nearly two decades. The R&E Board has continued this work to achieve environmental, economic and social benefits for the East Metro. Planned enhancements to the R&E Center will accommodate source-separated organics and enable the recovery of high-value materials from trash. Plans for these materials and the remaining waste, now used to produce refuse-derived fuel (RDF), have taken shape through extensive research, facility site visits and engagement with technology providers. End market opportunities for the materials processed at the R&E Center include anaerobic digestion, gasification and/or chemical recycling, among others.

R&E issued phase I of a two-phase solicitation on August 24, 2020 with an RFP for vendors capable of meeting R&E's need for processing technologies and end-use markets for byproducts of the R&E Center. There are three types of R&E Center-managed materials being targeted for alternative management by new end-use markets: source-separated organics in durable compostable bags (DCBs), organic-rich material (ORM) from the recyclables recovery system (RRS), and components of RDF. Vendors could propose technologies for management of one, two or all three of the materials.

**SUBJECT:** *End-Use Markets Request for Proposals (RFP) Phase I Recommendations*

Ten phase I proposals were received. All phase I proposals were evaluated by a team consisting of staff and consultants using the evaluation criteria identified in the RFP. Those that were determined to be most complete and qualified for R&E to consider are recommended to be invited to propose to the next phase.

The proposal review team recommends the following nine proposers be invited to respond to phase II of the End-Use Market RFP:

<b>Proposer</b>	<b>Technology</b>	<b>Materials to Manage</b>
Anaergia DB Inc.	Anaerobic digestion	DCB, ORM
BioEnergy Devco	Anaerobic digestion	DCB
Dem-Con Companies*	Anaerobic digestion	DCB, ORM
FullCycle Management, LLC	Gasification	DCB, ORM, RDF
Generate Capital Inc.	Anaerobic digestion	DCB, ORM
Minnesota Municipal Power Agency*	Anaerobic digestion	DCB
Mura Technology Limited	Chemical recycling	Polyolefin plastic (HDPE, LDPE, and PP)
North Star Organics Management Partners**	Anaerobic digestion	DCB, ORM
O.W.S., Inc.	Anaerobic digestion	DCB, ORM, RDF

Asterisks denote additional information requested by the Facility & Finance Committee

\* Indicates that the principal proposer is a Minnesota business

\*\* Indicates that proposer's partners include one or more Minnesota businesses

These proposers each provided a credible and complete response to the phase I RFP, and they are recommended to proceed to the next stage of this procurement process.

Upon authorization by the R&E Board, phase II of procurement would commence with the development and release of the Phase II RFP. That RFP will request more detailed design, operations and financial information. Phase II proposals are expected to be received and evaluated during summer 2020. R&E staff will then present to the Facility & Finance Committee, following which the R&E Board would have the opportunity to select one or more finalists for contract negotiation based on the responses to both phase I and phase II RFPs. Following a final selection, the R&E Board would then be requested to direct R&E staff to enter into one or more agreements for the development of proposed projects with the selected proposer(s).


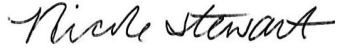

**ATTACHMENTS:**

- Draft resolution
- Memo to the Facility & Finance Committee from the JLT dated March 1, 2021
- Resolution R&EB-FFC-2021-02 recommending action by the R&E Board

**FINANCIAL IMPLICATIONS:**

**SUBJECT:** *End-Use Markets Request for Proposals (RFP) Phase I Recommendations*

Phase II of the procurement process will have no direct financial implications. As the process moves forward, the financial costs and benefits of one or more contracts to develop end-use markets will become apparent.

AUTHORIZED SIGNATURES	DATE
<div data-bbox="203 457 527 514">JOINT LEADERSHIP TEAM</div> <div data-bbox="727 472 1063 609"> </div>	3/16/21
RAMSEY COUNTY ATTORNEY	
<div data-bbox="203 745 641 808">WASHINGTON COUNTY ATTORNEY</div> <div data-bbox="727 756 974 829"></div>	3/17/21



**RESOLUTION R&EB-2021-05**

WHEREAS, it is the stated policy of the State of Minnesota, under the Waste Management Act, to manage solid waste in an environmentally sound manner; and

WHEREAS, Ramsey and Washington Counties (“Counties”) have committed to continue to protect and ensure the public health, safety, welfare and environment of each County’s residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, Ramsey and Washington Counties have in place County Solid Waste Management Master Plans (“Master Plans”) approved by the Commissioner of the Minnesota Pollution Control Agency, which clearly state the policy goal of maintaining and improving an integrated system of solid waste management that supports Minnesota’s hierarchy of solid waste management, with an emphasis on waste reduction, reuse, recycling and composting before the remaining solid waste is managed through resource recovery; and

WHEREAS, the Master Plans also include policies that affirm the processing of waste for recovering energy and recyclables and other beneficially usable materials as the preferred method to manage solid waste that is not reduced, reused or recycled; and

WHEREAS, the Ramsey/Washington Recycling & Energy Board (“R&E Board”) is governed by the amended and restated joint powers agreement by and between Ramsey County and Washington County dated September 22, 2015 (“Joint Powers Agreement”); and

WHEREAS, the R&E Board, and its predecessor the Ramsey/Washington County Resource Recovery Project Board (“Project Board”) have conducted extensive evaluation and analysis of methods to enhance recovery of value from the waste stream, and have designed system changes to assist in meeting state recycling goals; and

WHEREAS, as part of that evaluation, the Project Board and R&E Board investigated and evaluated different waste management technologies, including anaerobic digestion, gasification and chemical recycling systems that convert waste to fuels and other products; and

WHEREAS, the Scope for Resource Management, which outlines the strategic direction for waste management, includes use of byproducts from the Recycling & Energy Center (“R&E Center”) in anaerobic digestion, gasification and other systems; and

WHEREAS, with designation in effect, the R&E Center receives a predictable and reliable waste stream, allowing the R&E Board to work to develop end-use markets for R&E Center byproducts, including source-separated organics, organic-rich material and refuse-derived fuel; and

WHEREAS, at its meeting on August 20, 2020, the R&E Board approved the two-phase solicitation process for end-use markets for byproducts from the Recycling & Energy Center and authorized the Joint Leadership Team (JLT) to issue the phase I request for proposals (RFP); and

WHEREAS, the JLT issued the Phase I RFP for End-Use Markets of Byproducts from the R&E Center on August 24, 2020 and received ten proposals; and

WHEREAS, following evaluation, the proposal review committee recommended the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to respond to the second phase of the End-Use Market RFP; NOW, THEREFORE, BE IT

RESOLVED, the R&E Board hereby approves the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to propose to the second phase of the End-Use Markets RFP. BE IT FURTHER

RESOLVED, the R&E Board hereby authorizes the JLT to develop and release the End-Use Markets for Byproducts from the Recycling & Energy Center Phase II RFP, evaluate the responses to the RFP, and return to the R&E Board with a recommendation regarding contract negotiations.

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Victoria Reinhardt, Chair  
March 25, 2021

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Attest  
March 25, 2021



**March 1, 2021**

**To: Ramsey/Washington Recycling & Energy Board Facility & Finance Committee**  
**From: Joint Leadership Team (JLT)**  
**Re: End-Use Markets Request for Proposals (RFP) Phase I Recommendations**

**Action Requested**

The R&E Board Facility & Finance Committee is requested to recommend to the R&E Board that it:

1. Approve the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to propose to the second phase of the End Use Market RFP.
2. Authorize the joint leadership team (JLT) to develop and release the End-Use Markets for Byproducts from the Recycling & Energy Center Phase II RFP, evaluate the responses to the RFP, and return to the R&E Board with a recommendation regarding contract negotiations.

**Background**

Ramsey and Washington counties have been evaluating alternate waste management technologies for nearly two decades. The Ramsey/Washington Recycling & Energy Board (R&E Board) has continued that work to achieve environmental, economic and social benefits for the East Metro. The R&E vision, “vibrant, healthy communities without waste,” is being pursued through a variety of efforts. R&E activities and each county’s programs complement each other in working upstream, preventing waste and increasing source-separation of recyclables. Plans are currently being pursued for the R&E Center to be redesigned and repurposed to recover more value from waste. Coinciding with these efforts, R&E is working to pursue technologies for alternative uses of high-value materials in the waste stream.

The R&E Board principle to pivot the view from “waste” to “resource,” combined with the principles of focusing on the long-term and being flexible, frame R&E Center as a “value-added waste processing facility.” R&E takes the raw material – trash – and processes it into a variety of products for market. Currently, recovered metals are sold to private sector recyclers, and refuse-derived fuel (RDF) is marketed to Xcel Energy. The next step is to further separate materials in the waste stream for recovery and recycling into new products.

The enhancements to the R&E Center, currently underway, will accommodate source-separated organics and enable the recovery of high-value materials from trash in the next one to two years. Plans for these materials and the remaining waste, now used to produce RDF, have taken shape through extensive research, facility site visits and discussion with technology vendors. End market opportunities

**SUBJECT:** *End-Use Markets Request for Proposals (RFP) Phase I Recommendations*

for the materials processed at the R&E Center include anaerobic digestion, gasification and/or chemical recycling.

It is important for R&E to identify multiple markets for material that is separated from trash. This approach is a mitigation strategy for the business risk of marketing those materials. In addition, this solicitation will likely help address a capacity shortage for organic materials that currently exists in the metropolitan area.

R&E identified, and is now implementing, the approach of a two-phase solicitation to find qualified vendors to manage materials that are currently or will be recovered at the R&E Center once facility enhancements are completed. The materials being targeted are source-separated organics in durable compostable bags (DCBs), organic-rich material (ORM) from the recyclables recovery system (RRS) and components of RDF.

**Phase I RFP Process**

At its August 2020 meeting, the R&E Board approved a two-phase procurement process and authorized release of the Phase I RFP. In this first phase, the R&E Board requested initial proposals. Information was requested in the following categories:

- General company information
- Description of technology
- Description of operations
- Description of materials management
- End-products marketing information and experience
- Environmental permits and controls
- Reference facility
- Facility economics and financing

The Phase I RFP was structured to encourage a variety of interested and qualified vendors to submit proposals for R&E consideration. One goal of this approach is for the East Metro to see the development of multiple outlets for materials. In this initial phase, R&E was “technology agnostic” and solicited responses from vendors proposing facilities using technology such as anaerobic digestion, gasification and chemical recycling, among others. Vendors were able to propose technologies for managing one, two or all three of the materials described above.

The Phase I RFP was released on August 24, 2020. Notice of availability was sent to 159 firms worldwide and promoted via several industry websites. R&E held a virtual preproposal conference on September 17, 2020. There were 75 people present representing many firms (attendance was not mandatory). The deadline for submissions was December 4, 2020. Ten proposals were submitted.

An evaluation team consisting of staff and consultants with backgrounds in legal, engineering, technical and policy work reviewed the phase I proposals using the evaluation criteria identified in the RFP, described below.

**SUBJECT: End-Use Markets Request for Proposals (RFP) Phase I Recommendations**

*Technical/Operational*

- Proposer's demonstrated experience in project development, permitting, design and construction, and operation of proposed facilities
- Proposer's demonstrated experience in marketing and selling the products (or similar products) to be produced
- The proven commercial viability of the technology and the responsiveness of the proposer's technical proposal
- The scalability and adaptability of the technologies and facilities proposed and overall approach and fit to the DCBs, organic-rich material and/or RDF produced by the R&E Center
- Proposer's proposed project schedule
- Proposer's comprehensive identification of and approach to siting and permitting requirements and issues

*Financial*

- Proposer's demonstrated financial strength and ability to finance the capital costs, including construction and operation of the facilities proposed
- The contractual terms and price to be offered to or requested from the R&E Board
- Project economics and funding
- Innovative ideas to reduce the expected initial or ongoing costs and environmental impacts of the project

**Recommendations from Phase I Proposal Evaluation**

The proposal review team is recommending that the following proposers, listed in the table below, be invited to provide a proposal for the second phase of the RFP (Phase II). These proposers have each provided a credible and complete response to the Phase I RFP, and staff recommends they proceed to the next stage of this procurement process.

<b>Proposer</b>	<b>Technology</b>	<b>Materials to Manage</b>
Anaergia DB Inc.	Anaerobic digestion	DCB, ORM
BioEnergy Devco	Anaerobic digestion	DCB
Dem-Con Companies	Anaerobic digestion	DCB, ORM
FullCycle Management, LLC	Gasification	DCB, ORM, RDF
Generate Capital Inc.	Anaerobic digestion	DCB, ORM
Minnesota Municipal Power Agency	Anaerobic digestion	DCB
Mura Technology Limited	Chemical recycling	Polyolefin plastic (HDPE, LDPE, and PP)
North Star Organics Management Partners	Anaerobic digestion	DCB, ORM
O.W.S., Inc.	Anaerobic digestion	DCB, ORM, RDF

**SUBJECT: End-Use Markets Request for Proposals (RFP) Phase I Recommendations**

**Phase II RFP Process**

The purpose of the Phase II RFP is to serve as an addendum to the phase I response, and to obtain information in additional detail beyond that provided in phase I. Upon authorization from the R&E Board, phase II of procurement would commence with the development and release of the Phase II RFP.

In phase II, the selected proposers from phase I will be invited to respond to a supplemental RFP, to conduct further analyses based on the technologies proposed during phase I, and to submit a final proposal. Final proposals will include the following:

- Pricing and details on the technical approach
- Proposed project structure, such as business, marketing, legal, financing and administrative aspects of the project
- Proposed contracts, letters of intent, and memoranda of understanding with lenders, financial sponsors, guarantors and insurers required to proceed swiftly to contract negotiations

The proposed timeline for the Phase II procurement is outlined below; this timeline could vary somewhat.

- Issue Phase II RFP to selected proposers: April 27, 2021
- Phase II proposals due: June 30, 2021
- Evaluation period: July 1 – August 12, 2021
- Presentation to R&E Board: August 26, 2021 (decision to enter into negotiations)

**Timeline for New End-Use Markets**

At the conclusion of phase II, the R&E Board will have the opportunity to select one or more finalists for contract negotiation based on the responses to both Phase I and Phase II RFPs. Following a final selection, the R&E Board may direct R&E staff to enter into an agreement for the development of a proposed project.

An overall timeline for the procurement is illustrated in the figure below.



The current estimated procurement process will be completed during 2021, at which point vendors will commence design work and permitting. In a recent survey commissioned by the Partnership on Waste and Energy and completed by the Great Plains Institute, anaerobic digestion (AD) developers in

**SUBJECT:** *End-Use Markets Request for Proposals (RFP) Phase I Recommendations*

Minnesota indicated that their experience undergoing permitting and environmental review took between two and four years to complete. In discussions with R&E staff, AD developers have indicated that construction and commissioning of AD facilities generally occurs in a one- to three-year timeframe. Recognizing that timelines will likely be dependent on facility type and other factors, a general estimate can be made that project(s) selected by R&E would be operational around 2027 or thereafter.



**RESOLUTION R&EB-FFC-2021-02**

WHEREAS, it is the stated policy of the State of Minnesota, under the Waste Management Act, to manage solid waste in an environmentally sound manner; and

WHEREAS, Ramsey and Washington Counties (“Counties”) have committed to continue to protect and ensure the public health, safety, welfare and environment of each County’s residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, Ramsey and Washington Counties have in place County Solid Waste Management Master Plans (“Master Plans”) approved by the Commissioner of the Minnesota Pollution Control Agency, which clearly state the policy goal of maintaining and improving an integrated system of solid waste management that supports Minnesota’s hierarchy of solid waste management, with an emphasis on waste reduction, reuse, recycling and composting before the remaining solid waste is managed through resource recovery; and

WHEREAS, the Master Plans also include policies that affirm the processing of waste for recovering energy and recyclables and other beneficially usable materials as the preferred method to manage solid waste that is not reduced, reused or recycled; and

WHEREAS, the Ramsey/Washington Recycling & Energy Board (“R&E Board”) is governed by the amended and restated joint powers agreement by and between Ramsey County and Washington County dated September 22, 2015 (“Joint Powers Agreement”); and

WHEREAS, the R&E Board, and its predecessor the Ramsey/Washington County Resource Recovery Project Board (“Project Board”) has conducted extensive evaluation and analysis of methods to enhance recovery of value from the waste stream, and has designed system changes to assist in meeting state recycling goals; and

WHEREAS, as part of that evaluation, the Project Board and R&E Board investigated and evaluated different waste management technologies, including anaerobic digestion, gasification and chemical recycling systems that convert waste to fuels and other products; and

WHEREAS, the Scope for Resource Management, which outlines the strategic direction for waste management, includes use of byproducts from the Recycling & Energy Center (“R&E Center”) in anaerobic digestion, gasification and other systems; and

WHEREAS, with designation in effect, the R&E Center receives a predictable and reliable waste stream, allowing the R&E Board to work to develop end-use markets for R&E Center byproducts, including source-separated organics, organic-rich material and refuse-derived fuel (RDF); and

WHEREAS, at its meeting on August 20, 2020, the R&E Board approved the two-phase solicitation process for End-Use Markets for Byproducts from the Recycling & Energy Center and authorized the Joint Leadership Team (JLT) to issue the Phase I Request for Proposals (RFP); and

WHEREAS, the JLT issued the Phase I RFP for End-Use Markets of Byproducts from the R&E Center Phase I on August 24, 2020 and received ten proposals; and

WHEREAS, following evaluation, the proposal review committee recommends the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate

Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to respond to the second phase of the End-Use Market RFP; NOW, THEREFORE, BE IT

RESOLVED, the R&E Board Facility & Finance Committee recommends that the R&E Board approve the selection of proposers Anaergia, BioEnergy DevCo, Dem-Con Companies, FullCycle Management, LLC., Generate Capital Inc., Minnesota Municipal Power Agency, Mura Technology Limited, North Star Organics Management Partners and O.W.S., Inc. to be invited to propose to the second phase of the End-Use Market RFP. BE IT FURTHER

RESOLVED, the R&E Board Facility & Finance Committee recommends that the R&E Board authorize the JLT to develop and release the End-Use Markets for Byproducts from the Recycling & Energy Center Phase II RFP, evaluate the responses to the RFP, and return to the R&E Board with a recommendation regarding contract negotiations.



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Wayne Johnson, Committee Chair  
March 8, 2021



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Attest  
March 8, 2021



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

R&E BOARD MEETING DATE:			March 25, 2021			AGENDA ITEM:		VII.b.i	
SUBJECT:		Construction Vendor Selection							
TYPE OF ITEM:		<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
SUBMITTED BY:		Joint Leadership Team							

**R&E BOARD ACTION REQUESTED:**

1. Approve the bidders recommended by R&E's construction manager, Adolfson & Peterson Construction (A&P), for the processing enhancements building construction project as outlined in the letter dated March 18, 2021.
2. Authorize the Joint Leadership Team (JLT) to execute the agreements with the recommended bidders, as provided in A&P's letter dated March 18, 2021, and any amendments or change orders thereto, for the processing enhancements building construction project, within a project budget that shall not exceed \$6,710,263.28, upon approval as to form by the county attorney.
3. Authorize the JLT to issue request for bids/proposals and execute amendments, agreements and single source agreements for additional equipment needed to support the DCB equipment system in accordance to R&E's procurement guidelines in a project budget that shall not exceed \$1,300,000, following approval by the county attorney.

**EXECUTIVE SUMMARY:**

In August 2019, the R&E Board approved a financing plan and procurement plan for the processing enhancements projects at the Recycling & Energy Center to recover source-separated organic waste in durable compostable bags (DCBs) and add equipment for recovery of recyclables. A significant part of the enhancement consists of a DCB tipping floor/processing building to be constructed on the north end of the existing tipping floor building. In December 2019, the Executive Committee approved the selection of A&P as the construction manager acting as agent for R&E, and KOMA Architects and SCS Engineers leading the design team. In January 2020, the preconstruction services for the processing enhancements project started, and during 2020, those firms worked through several steps to prepare design and bid documents for building construction.

In October 2020, the R&E Board authorized the JLT to issue request for bids for building construction and trades services needed for the processing enhancements projects and to return to the R&E Board recommending bidders with which to execute agreements.

The following schedule was used for the solicitation process:

**SUBJECT: Construction Vendor Selection****Table 01: RFB Schedule of Events**

<b>Event</b>	<b>Estimated Date</b>
Request for Bids Released	January 25, 2021
Pre-Bid Conference	Multiple: See Section 00 11 13
Deadline for Questions from Bidders	February 9, 2021 @ 4:00pm CST
Deadline for Proposal Submissions	February 16, 2021 @ 2:00 pm CST
Anticipated Contract Award Date	March 2021
Anticipated Construction Start Date	April 2021

After completing the bidding process, A&P provided a letter of recommendation for awarding contracts for the following building scopes:

<b>BID PACK</b>	<b>BUDGET</b>	<b>LOW BASE BID</b>	<b>HIGH BASE BID</b>	<b>RECOMMENDATION</b>
<b>Bid Category 3A - Concrete</b>	\$2,210,480.00	\$1,539,900.00	\$1,804,000.00	\$1,557,275.00
<b>Bid Category 3B - Precast Concrete</b>	\$33,625.00	\$28,258.00	\$28,258.00	\$28,258.00
<b>Bid Category 4A - Masonry</b>	\$30,000.00	\$29,700.00	\$1,722,770.00	Included in 3A
<b>Bid Category 5A - Steel Supply/Install</b>	\$100,756.00	\$160,000.00	\$160,000.00	\$160,000.00
<b>Bid Category 6A - Carpentry</b>	\$48,977.00	\$78,000.00	\$78,000.00	\$78,000.00
<b>Bid Category 7A - Sealant</b>	\$ -	\$13,620.00	\$13,620.00	\$13,620.00
<b>Bid Category 8A - Overhead and Coiling Doors</b>	\$98,000.00	\$226,885.00	\$226,885.00	\$226,885.00
<b>Bid Category 9A - Painting</b>	\$10,268.00	\$7,800.00	\$149,288.00	\$25,065.00
<b>Bid Category 9B - Drywall and Framing</b>	\$ -	\$51,000.00	\$1,910,000.00	\$51,000.00
<b>Bid Category 13A - Prefabricated Metal Buildings</b>	\$1,673,420.00	\$1,173,893.00	\$1,173,893.00	\$1,173,893.00
<b>Bid Category 21A - Fire Protection</b>	\$270,523.00	\$312,176.00	\$388,200.00	\$312,176.00
<b>Bid Category 22A - Mechanical</b>	\$559,880.00	\$620,775.00	\$974,000.00	\$620,775.00
<b>Bid Category 26B - Electrical, Communications, and Security</b>	\$470,690.00	\$864,500.00	\$1,196,000.00	\$864,500.00
<b>Bid Category 32A - Earthwork, Utilities, Demo</b>	\$384,954.00	\$332,214.55	\$497,396.00	\$332,214.55
<b>Bid Category 32B - Asphalt Paving</b>	\$52,480.00	\$35,400.00	\$64,900.00	\$35,400.00
<b>TOTALS</b>	<b>\$5,944,053.00</b>	<b>\$5,474,121.55</b>	<b>\$10,387,210.00</b>	<b>\$5,479,061.55</b>

The design team, consisting of SCS Engineers and KOMA Architects, also selected two bid alternates (alternate #1) to replace the existing power roof ventilators and (alternate #3) existing louvers at the tipping floor and adding motorized dampers to help improve odor mitigation processes. The selected alternates added \$355,950, bringing the total contract amounts to \$5,825,011.55. The project budget will include a 15% contingency totaling \$875,251.73 resulting in a total project budget of \$6,710,263.28. Within the preconstruction budget, A&P has also allocated funds for the procurement of the following pieces of equipment: front end loader, grapple cranes, odor mitigation system, and fire rover system.

**SUBJECT:** *Construction Vendor Selection*

Total Project Budget:

Construction Manager recommendation	\$5,479,061.55
Bid Alternates	\$355,950
15% contingency	\$875,251.73
<b>Total:</b>	<b>\$6,710,263.28</b>

The DCB building work includes erecting a building that includes a tipping floor to receive mixed municipal solid waste (MSW) and house a processing line for the handling of and removal of DCBs. The construction budget, which resulted from the steps performed in 2020 to develop preliminary construction documents, includes this building construction. The construction budget was included in the financing documents related to the loans to R&E from Ramsey and Washington counties and the recent bond issue.



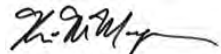
**ATTACHMENTS:**

1. Draft resolution
2. A&P letter of recommendation dated March 18, 2021

**FINANCIAL IMPLICATIONS:**

The pre-construction budget for this work was originally estimated to be over \$7 million. The total project budget of \$6,710,263.28, including the vendor's initial proposal of \$5,835,011.55, is within that budget and will provide for an appropriate contingency for any needed change orders.

R&E will have sufficient funds available through the loans from the two counties. Loan agreements and necessary documents to secure that funding will be completed by March 25, 2021.

AUTHORIZED SIGNATURES		DATE
JOINT LEADERSHIP TEAM	 	3/16/21
WASHINGTON COUNTY ATTORNEY		3/16/21



**RESOLUTION R&EB-2021-06**

WHEREAS, it is the stated policy of the State of Minnesota, under the Waste Management Act, to manage solid waste in an environmentally sound manner; and

WHEREAS, Ramsey and Washington Counties (the “Counties”) have committed to continue to protect and ensure the public health, safety, welfare and environment of each County’s residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, Ramsey and Washington Counties have in place County Solid Waste Management Master Plans (“Master Plans”) approved by the Commissioner of the Minnesota Pollution Control Agency, which state the policy goal of maintaining and improving an integrated system of solid waste management that supports Minnesota’s hierarchy of solid waste management, with an emphasis on waste reduction, reuse, recycling and composting before the remaining solid waste is managed through resource recovery; and

WHEREAS, the Master Plans also include policies that affirm the processing of waste, for recovering energy and recyclables, and other beneficially usable materials, as the preferred method to manage solid waste that is not reduced, reused or recycled; and

WHEREAS, the Ramsey/Washington Recycling & Energy Board (“R&E Board”) is governed by the amended and restated joint powers agreement by and between Ramsey County and Washington County dated September 22, 2015 (“Joint Powers Agreement”); and

WHEREAS, the R&E Board, and its predecessor the Ramsey/Washington County Resource Recovery Project Board (“Project Board”), invested considerable time and effort into evaluating the future of the solid waste system in the East Metro area; and

WHEREAS, as part of that evaluation, the Project Board and R&E Board investigated and evaluated different waste management technologies, including source separation of organics and processing of mixed municipal solid waste (MSW) to remove recyclables; and

WHEREAS, with waste designation in effect, the R&E Center receives a predictable and reliable waste stream for the processing of MSW, allowing the R&E Board to work to develop alternate methods of recovering organic waste and recyclables; and

WHEREAS, a peer-reviewed preliminary engineering design has been completed for enhancements to the R&E Center that would recover source-separated organic waste in durable compostable bags and add equipment for removal of recyclables; and

WHEREAS, the R&E Board approved the R&E Center’s Processing Enhancements Procurement & Financing Plans on August 21, 2019 (Resolutions R&EB-2019-16 and R&EB-2019-17); and



WHEREAS, the R&E Board, on October 22, 2020, authorized the Joint Leadership Team (JLT) to issue request for bids for building construction and trades services needed for the processing enhancements projects and return to the R&E Board recommending bidders with which to execute agreements (Resolution R&EB-2020-15); and

WHEREAS, Adolfson & Peterson Construction (A&P), R&E's construction manager agent, has completed the bidding process for the building construction and trades services needed for the processing enhancements projects. NOW, THEREFORE, BE IT

RESOLVED, The R&E Board hereby approves the bidders recommended by R&E's construction manager, A&P, for the processing enhancements building construction project as outlined in the letter dated March 18, 2021. BE IT FURTHER

RESOLVED, The R&E Board hereby authorizes the JLT to execute the agreements with the recommended bidders, as provided in A&P's letter dated March 18, 2021, and any amendments or change orders thereto, for the processing enhancements building construction project, within a project budget that shall not exceed \$6,710,263.28, upon approval as to form by the county attorney. BE IT FURTHER

RESOLVED, The R&E Board hereby authorizes the JLT to issue request for bids/proposals and execute amendments, agreements and single source agreements for additional equipment needed to support the DCB equipment system in accordance to R&E's procurement guidelines in a project budget that shall not exceed \$1,300,000, following approval by the county attorney.

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Victoria Reinhardt, Board Chair  
March 25, 2021

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Attest  
March 25, 2021



March 18, 2021

Mr. Sam Holl  
Contract Manager  
Ramsey/Washington Recycling and Energy Center  
100 Red Rock Road  
Newport, Minnesota 55055

RE: R&E Center | DCB Addition and Processing Enhancements  
Letter of Recommendation Contract Awards – Building

Dear Mr. Holl,

Adolfson & Peterson Construction (AP) is pleased to provide this Letter of Recommendation for Contract Awards for bids received on February 16, 2021 and February 18, 2021 for the building scope of the project. AP recommends the R&E Board award contracts to each of the following contractors:

Work Scope #03A - Concrete & #04A - Masonry (Combined Bid)

Northland Concrete & Masonry Company  
Shakopee, Minnesota

Base Bid: \$1,557,275

Work Scope #03B – Precast Concrete

Molin Concrete Products  
Lino Lakes, Minnesota

Base Bid: \$28,258

Work Scope #05A – Steel Supply/Erection

KMH Steel Erectors  
Maple Plain, Minnesota

Base Bid: \$160,000

Work Scope #06A - Carpentry

Maertens-Brenny Construction Company  
Minneapolis, Minnesota

Base Bid: \$78,000

Work Scope #07A - Sealants

Right-Way Caulking  
Minneapolis, Minnesota

Base Bid: \$13,620

Adolfson & Peterson Construction  
5500 Wayzata Blvd, Suite 600 | Minneapolis, MN 55416  
p 952.544.1561 | f 952.525.2333 | www.a-p.com

Work Scope #08A – Overhead and Coiling Doors

Twin City Garage Door  
New Hope, Minnesota

Base Bid: \$226,885

Work Scope #09A - Painting

The Berg Group  
Chaska, Minnesota

Base Bid: \$25,065

Work Scope #09B – Drywall and Framing

Maertens-Brenny Construction Company  
Minneapolis, Minnesota

Base Bid: \$51,000

Work Scope #13A – Metal Building

AB Systems, Inc.  
Rochester, Minnesota

Base Bid: \$1,173,893

Work Scope #21A – Fire Protection

Lifesaver Fire Protection  
Golden Valley, Minnesota

Base Bid: \$312,176

Work Scope #22A - Mechanical

Northland Mechanical Contractors, Inc  
New Hope, Minnesota

Base Bid: \$620,775

Work Scope #26A – Electrical, Communications & Security

Muska Electric Company  
Roseville, Minnesota

Base Bid: \$864,500

Work Scope #32A – Earthwork, Utilities, Selective Demolition

Kevitt Companies  
Crystal, Minnesota

Base Bid: \$332,214.55

Work Scope #32B – Asphalt Paving

Minnesota Paving and Materials  
Rogers, Minnesota

Base Bid: \$35,400

Total Base Bid Amount: \$5,479,061.55

The estimated budgets for the above recommended contracts was \$5,944,053. The bid results are \$464,991.45 under the estimated budgets.

AP has conducted post-bid interviews with the above apparent low bidders and based on our findings, recommend the above contractors for contract award.

We also received pricing for three alternates as part of the bids for the building portion of the project:

Alternate #1: replace existing power roof ventilator's (bid value of \$227,450)

Alternate #2: replace existing oil separator (bid value of \$20,800)

Alternate #3: replace existing louvers at tipping floor and add motorized dampers (bid value of \$128,500)

After review of these three alternates with the design team and facility operations, it is recommended to award Alternates #1 and #3. The combined value is \$355,950, bringing the total bid amount to \$5,835,011.55 (remaining under budget by \$109,041.45).

Should you have any questions, please do not hesitate to contact me.

Regards,

Carey Ottman Everson, AIA  
Senior Project Manager  
Adolfson & Peterson Construction  
(952) 607-4652  
[ceverson@a-p.com](mailto:ceverson@a-p.com)

CC: Steve Iaria – KOMA Architects and Engineers  
John Huyett - AP  
Rick Streich - AP

Enc: Bid Tabulation Sheets – 15 pgs.

# R&E Center | DCB Addition and Processing Enhancements

February 16, 2021 at 2:00 PM

BID CATEGORY

BID PACK	BUDGET	LOW BASE BID	HIGH BASE BID
Bid Category 3A - Concrete	\$ 2,210,480.00	\$ 1,539,900.00	\$ 1,804,000.00
Bid Category 3B - Precast Concrete	\$ 33,625.00	\$ 28,258.00	\$ 28,258.00
Bid Category 4A - Masonry	\$ 30,000.00	\$ 29,700.00	\$ 1,722,770.00
Bid Category 5A - Steel Supply/Install	\$ 100,756.00	\$ 160,000.00	\$ 160,000.00
Bid Category 6A - Carpentry	\$ 48,977.00	\$ 78,000.00	\$ 78,000.00
Bid Category 7A - Sealant	\$ -	\$ 13,620.00	\$ 13,620.00
Bid Category 8A - Overhead and Coiling Doors	\$ 98,000.00	\$ 226,885.00	\$ 226,885.00
Bid Category 9A - Painting	\$ 10,268.00	\$ 7,800.00	\$ 149,288.00
Bid Category 9B - Drywall and Framing	\$ -	\$ 51,000.00	\$ 1,910,000.00
Bid Category 13A - Prefabricated Metal Buildings	\$ 1,673,420.00	\$ 1,173,893.00	\$ 1,173,893.00
Bid Category 21A - Fire Protection	\$ 270,523.00	\$ 312,176.00	\$ 388,200.00
Bid Category 22A - Mechanical	\$ 559,880.00	\$ 620,775.00	\$ 974,000.00
Bid Category 26B - Electrical, Communications, and Security	\$ 470,690.00	\$ 864,500.00	\$ 1,196,000.00
Bid Category 32A - Earthwork, Utilities, Demo	\$ 384,954.00	\$ 332,214.55	\$ 497,396.00
Bid Category 32B - Asphalt Paving	\$ 52,480.00	\$ 35,400.00	\$ 64,900.00
<b>TOTALS</b>	<b>\$ 5,944,053.00</b>	<b>\$ 5,474,121.55</b>	<b>\$ 10,387,210.00</b>

RECOMMENDATION
\$ 1,557,275.00
\$ 28,258.00
Included in 3A
\$ 160,000.00
\$ 78,000.00
\$ 13,620.00
\$ 226,885.00
\$ 25,065.00
\$ 51,000.00
\$ 1,173,893.00
\$ 312,176.00
\$ 620,775.00
\$ 864,500.00
\$ 332,214.55
\$ 35,400.00
<b>\$ 5,479,061.55</b>

227450 alt 1

20800 alt 2

128500 alt 3

\$ 5,835,011.55 total with alts 1, 3

\$ 464,991.45 difference base bid

\$ 109,041.45 difference with alts

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 3A - Concrete**

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

### Bid Category 3B - Precast Concrete

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 4A - Masonry**

[illegible]

Northland Concrete & Masonry	BB	x				29,700.00	LOW BASE BID
AVERAGE COST						839,873.75	AVERAGE COST
Axel Ohman	BB	x				1,722,770.00	HIGH BASE BID

<b>ESTIMATE AMOUNT</b>	<b>\$30,000.00</b>
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DIFFERENCE BETWEEN BID AND ESTIMATE	\$300.00
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## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 5A - Steel Supply/Install**

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

February 16, 2021 at 2:00 PM

### Bid Category 6A - Carpentry

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

February 16, 2021 at 2:00 PM

### Bid Category 7A - Sealant

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

### Bid Category 8A - Overhead & Coiling Doors

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

### Bid Category 9A - Painting

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 9B - Framing and Drywall**

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

February 16, 2021 at 2:00 PM

### Bid Category 13A - Prefabricated Metal Buildings

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

### Bid Category 21A - Fire Protection

[illegible]

## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 22A - Mechanical**

Bidder	Bid  Security	Acknowledge Addendums				TOTAL BASE BID	Unit Prices		Alternates			COMMENTS
		1	2	3			1	2	1	2	3	
Corval Group	BB	x	x	x		974,000.00			250,000.00	54,550.00	207,000.00	
Horwitz	BB	x	x	x		665,000.00			315,000.00	84,000.00	100,000.00	
Modern Piping	BB	x	x	x		701,300.00			269,500.00	92,300.00	174,400.00	
NAC	BB	x	x	x		665,000.00			252,000.00	87,000.00	121,000.00	
Nasseff	BB	x				831,980.00			279,870.00	77,930.00	129,850.00	
Northland	BB	x	x	x		620,775.00			193,350.00	19,200.00	124,000.00	
Pioneer Power	BB	x	x	x		628,670.00			278,750.00	69,900.00	121,270.00	
US Mechanical	BB	x				662,200.00			257,900.00	84,240.00	165,000.00	
Northland	BB	x	x	x		620,775.00	LOW BASE BID					
AVERAGE COST						718,615.63	AVERAGE COST					
Corval Group	BB	x	x	x		974,000.00	HIGH BASE BID					

**February 16, 2021 at 2:00 PM**  
**Bid Category 26A - Site Electrical**

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## R&E Center | DCB Addition and Processing Enhancements

**February 16, 2021 at 2:00 PM**

**Bid Category 32A - Earthwork, Utilities, Demo**

[illegible]

**February 16, 2021 at 2:00 PM**  
**Bid Category 32B - Asphalt Paving**

53



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

R&E BOARD MEETING DATE:			March 25, 2021			AGENDA ITEM:		VI.b.ii	
SUBJECT:		DCB Equipment Vendor Selection							
TYPE OF ITEM:		<input type="checkbox"/>	INFORMATION	<input type="checkbox"/>	POLICY DISCUSSION	<input checked="" type="checkbox"/>	ACTION	<input type="checkbox"/>	CONSENT
SUBMITTED BY:		Joint Leadership Team							

**R&E BOARD ACTION REQUESTED:**

1. Approve Bulk Handling System (BHS) as the selected proposer recommended by R&E's design team partner, SCS Engineers, for the processing equipment to recover source-separated organic waste in durable compostable bags as outlined in a memorandum dated March 16, 2021 provided by SCS and authorizes the Joint Leadership Team (JLT) to negotiate an agreement with BHS.
2. Authorize JLT to execute the agreement with BHS, and any amendments or change orders thereto, for the processing equipment to recover source-separated organic waste in durable compostable bags, within a project budget that shall not exceed \$2,801,127.45, upon approval as to form by the county attorney.

**EXECUTIVE SUMMARY:**

In August 2019, the R&E Board approved a financing plan and procurement plan for the processing enhancements projects at the Recycling & Energy Center (R&E Center) to recover source-separated organic waste in durable compostable bags (DCBs) and add equipment for recovery of recyclables. In December 2019, the Executive Committee approved the selection of Adolfson & Peterson Construction (A&P) as the construction manager acting as agent for R&E, and KOMA Architects and SCS Engineers leading the design team. In January 2020, the preconstruction services for the processing enhancements project started. During 2020, those firms worked through several steps to prepare documents needed for procurement of construction and equipment.

In October 2020, the R&E Board authorized JLT to issue a request for proposals for processing equipment to recover source-separated organic waste in DCBs and return to the R&E Board with a recommended vendor to provide that equipment.

The following schedule was used for the solicitation process:

**SUBJECT: DCB Equipment Vendor Selection**

Event	Estimated Date
Request for Proposals Released	Monday, January 12, 2021
Pre-Proposal Conference (WebEx)	Wednesday, January 20, 2021 @ 2:00pm CST
Plant Visit	Thursday, January 21, 2021 Times to be Scheduled Location: R&E Center 100 Red Rock Road, Newport, MN 55055
Deadline for Questions from Vendors	Thursday, February 11, 2021 @ 4:00pm CST
Deadline for Proposal Submissions	Tuesday, February 23, 2021 no later than 2:00 p.m.
Contract Negotiations and final award	Anticipated March 2021

The following people were part of the review team:

Zack Hansen	R&E Joint Leadership Team
Nicole Stewart	R&E Joint Leadership Team
Sam Holl	R&E Facility Manager
Kelli Hall	R&E Assistant Facility Manager
Joe Heinz	R&E Maintenance Manager
Jennefer Klennert	FOTH, R&E's engineering representative
Nathan Klett	FOTH, R&E's engineering representative
John Huyett	A&P, project construction manager
Steve Iaria	KOMA Architects, project design team
Betsy Powers	SCS Engineers, project design team
Mark Huber	SCS Engineers, project design team

R&E received three proposals. All proposals were evaluated by the review team using the criteria identified in the RFP and interviews conducted with two of the proposers. SCS Engineers, in collaboration with the design team, has provided a letter of recommendation to award a contract to Bulk Handling Systems (BHS) to manufacture and install processing equipment to recover source-separated organic waste in DCBs at the R&E Center.

The processing equipment consists of structural support, conveyors, robotic equipment and control systems for the handling of mixed municipal solid waste (MSW) and removal of DCBs. The construction budget, which resulted from the steps performed in 2020 to develop preliminary construction documents, includes this equipment. The construction budget was included in the financing documents related to the loans to R&E from Ramsey and Washington counties and the recent bond issuance. BHS proposed a system at \$2,435,763, which will be modified to include items identified during negotiation of the agreement.

**ATTACHMENTS:**

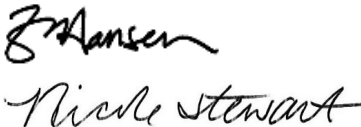
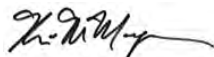
1. Draft resolution
2. Memorandum – SCS Engineers Vendor Recommendation

**SUBJECT:** *DCB Equipment Vendor Selection*

**FINANCIAL IMPLICATIONS:**

The pre-construction budget for this work was originally estimated to be over \$6 million, therefore the vendor's initial proposal of \$2,435,763 is within that budget. The final contract amount will be within this budget and will provide for an appropriate contingency for any needed change orders.

R&E will have sufficient funds available through the loans from the two counties. Loan agreements and necessary documents to secure that funding will be completed by March 25, 2021.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM	3/16/21
	
WASHINGTON COUNTY ATTORNEY	3/16/21
	



**RESOLUTION R&EB-2021-07**

WHEREAS, it is the stated policy of the State of Minnesota, under the Waste Management Act, to manage solid waste in an environmentally sound manner; and

WHEREAS, Ramsey and Washington Counties (the “Counties”) have committed to continue to protect and ensure the public health, safety, welfare and environment of each County’s residents and businesses through sound management of solid and hazardous waste generated in each County; and

WHEREAS, Ramsey and Washington Counties have in place County Solid Waste Management Master Plans (“Master Plans”) approved by the Commissioner of the Minnesota Pollution Control Agency, which state the policy goal of maintaining and improving an integrated system of solid waste management that supports Minnesota’s hierarchy of solid waste management, with an emphasis on waste reduction, reuse, recycling and composting before the remaining solid waste is managed through resource recovery; and

WHEREAS, the Master Plans also include policies that affirm the processing of waste, for recovering energy and recyclables, and other beneficially usable materials, as the preferred method to manage solid waste that is not reduced, reused or recycled; and

WHEREAS, the Ramsey/Washington Recycling & Energy Board (“R&E Board”) is governed by the amended and restated joint powers agreement by and between Ramsey County and Washington County dated September 22, 2015 (“Joint Powers Agreement”); and

WHEREAS, the R&E Board, and its predecessor the Ramsey/Washington County Resource Recovery Project Board (“Project Board”), invested considerable time and effort into evaluating the future of the solid waste system in the East Metro area; and

WHEREAS, as part of that evaluation, the Project Board and R&E Board investigated and evaluated different waste management technologies, including source separation of organics and processing of mixed municipal solid waste (MSW) to remove recyclables; and

WHEREAS, with waste designation in effect, the R&E Center receives a predictable and reliable waste stream for the processing of MSW, allowing the R&E Board to work to develop alternate methods of recovering organic waste and recyclables; and

WHEREAS, a peer-reviewed preliminary engineering design has been completed for enhancements to the R&E Center that would recover source-separated organic waste in durable compostable bags and add equipment for recovery of recyclables; and

WHEREAS, the R&E Board approved the R&E Center’s Processing Enhancements Procurement & Financing Plans on August 21, 2019 (Resolutions R&EB-2019-16 and R&EB-2019-17); and

WHEREAS, the R&E Board, on October 22, 2020, authorized the Joint Leadership team (JLT) to issue a request for proposals for processing equipment to recover source-separated organic waste in durable compostable bags and to return to the R&E Board recommending the proposer with which to execute agreements (Resolution R&EB2020-15); and

WHEREAS, SCS Engineers, R&E's design team engineer, completed the proposal review process with the R&E processing enhancements design team for processing equipment to recover source-separated organic waste in durable compostable bags. NOW, THEREFORE, BE IT

RESOLVED, the R&E Board hereby approves Bulk Handling System (BHS) as the selected proposer recommended by R&E's design team partner, SCS Engineers, for the processing equipment to recover source-separated organic waste in durable compostable bags as outlined in a memorandum dated March 16, 2021 and authorizes the JLT to negotiate an agreement with BHS. BE IT FURTHER

RESOLVED, the R&E Board hereby authorizes JLT to execute the agreement with BHS, and any amendments or change orders thereto, for the processing equipment to recover source-separated organic waste in durable compostable bags, within a project budget that shall not exceed \$2,801,127.45, upon approval as to form by the county attorney.

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Victoria Reinhardt, Chair  
March 25, 2021

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Attest  
March 25, 2021

March 16, 2021  
File No. 25219228.00

## MEMORANDUM

TO: Zack Hansen and Nikki Stewart  
Ramsey/Washington Recycling & Energy Joint Leadership Team

FROM: Betsy Powers and Mark Huber

SUBJECT: Durable Compostable Bag (DCB) Processing System Equipment Contractor Recommendation

This memo provides the recommended equipment contractor for the durable compostable bag (DCB) processing equipment at the Ramsey/Washington Recycling & Energy Center (R&E Center). Three proposals were received:

- Bulk Handling Systems (BHS) - \$2,435,763.00 (\$2,370,763.00 base bid + \$65,000 for heating option for robots)
- RRT Design & Construction (RRT) - \$5,732,255.00 (6 axes robots), not including other alternative bid items recommended
- Machinex - \$3,945,821.21

Each of the bids is within the budget estimate range for the equipment. Budget estimate ranges are:

- Estimate from Preliminary Design for Processing Enhancements at the Recycling & Energy Center Report (Foth Infrastructure & Environment, LLC, March 2019): \$5,200,000 - \$7,000,000
- Adolph & Peterson Construction (Construction Manager) Estimate: \$6,435,000

Based on review of the proposals and follow-up interviews with BHS and RRT, we recommend selecting BHS. Further information on the review team, review process and BHS services and system are provided in the following sections.

### Review Team

The proposal review team included:

- Betsy Powers and Mark Huber, SCS Engineers (design engineer for processing equipment)



- Nathan Klett and Jennefer Klennert, Foth Infrastructure & Environment, LLC (owner's representative)
- John Huyett, Carey Ottman Everson, Adolph & Peterson Construction (Construction Manager)
- Sam Holl, Kelli Hall, Joe Heinz, R&E Center
- Zack Hansen and Nikki Stewart, Joint Leadership Team

Steve Iaria, KOMA (design engineer for the DCB building), also provided feedback on items related to the building, push wall, and electrical.

## Review Process

The review process included the following:

- Review proposal for adherence with required proposal submittal items.
  - All proposers generally submitted the required information with their proposals.
- Following this initial content review, the review team met to discuss the results. During this meeting, we determined that we would not move into the next phase of review for the Machinex proposal.
  - The Machinex proposal included an optical sorter to remove the DCBs instead of robots. The review team had concerns that the optical sorter may have more difficulty sorting bags and that the separated stream would include more contaminants. There is a facility in Norway that uses an optical sorter to remove DCBs, but it also requires a downstream process to remove additional contamination. There is not enough space in the DCB addition for additional sorting processes.
- The review team performed a full review of the proposals for:
  - Qualifications: Overall qualifications, project experience, and proposed project team personnel;
  - Technical Aspects: Conformance with the RFP, system integration, proposed equipment and operations and maintenance plans, and value added items;
  - Schedule; and
  - Price.
- The review team met a second time to discuss the results.
  - We developed a list of interview questions for both bidders based on this review and sent the list of questions to each bidder to discuss during a scheduled interview.
- On March 10, the review team interviewed BHS and RRT.

- The review team met following the last interview on March 10.
  - The review team agreed that both proposers are qualified to perform the work. We appreciated the time and thought put into the proposals and interviews.
  - Both proposers stated that the robots can meet the picking rates required at full DCB system maturity and that the systems depicted will meet the performance criteria specified in the RFP.
  - Both proposers will provide infeeds mirroring the existing facility infeeds. This was an important item for R&E staff. RRT's proposal includes a cost increase to match the existing infeeds.
  - The review team wanted confirmation on some items discussed during the interview. Most specifically, we wanted a firm commitment from BHS on the project team members that would be assigned to this project. BHS has had some turnover of key staff recently, and they did not provide a list of team members in their proposal or during their interview. On March 10, we submitted follow-up questions to BHS via email, with responses required by March 11. We were satisfied with the responses received.
- On March 12, the review team met to make a final recommendation. Ultimately, the following led us to our final recommendation to award the project to BHS:
  - We liked the simplicity of the BHS design.
  - RRT's proposal requires moving the push wall approximately 4 feet north. The review team was concerned with the loss of tipping floor space and potential conflicts with the underlying existing water line. The RRT proposal also included a price increase to install the equipment after the push wall construction.
  - BHS's proposal cost is over \$3.3 million less than RRT's. Recommended additions/modifications by RRT would continue to increase their cost.
  - R&E and Foth were impressed with BHS equipment they had seen at other facilities.
  - Although the feedback from some BHS references included concerns with project teams being juggled and post-installation support, SCS has had some positive project experience working with BHS staff committed to the project. BHS has also indicated that they are striving to provide better post-installation support for their customers.
  - RRT has a robust list of unacceptable materials that the R&E Center will not be able to avoid running through the DCB processing system. The unacceptable materials can void the warranty.

## **BHS Services and System**

BHS will provide final design; shop drawings and engineering; procurement and manufacturing; shipping; installation, start-up and commissioning; performance testing; and training for the DCB processing equipment, including:

- Two processing lines to remove DCBs with infeeds mirroring existing infeeds at the facility. The incoming material will be fed into the two infeed pits by R&E Center loaders.
- Material will be conveyed through the BHS MaxAI vision system, where DCBs will be detected and trigger a robotic arm to remove DCBs. The pick rate of the robotic arms exceeds the highest estimate at DCB rollout maturity.
  - The robots will use four Max-AI AQCP (Autonomous Quality Control – Presort) robotic sorters with a claw to remove DCBs up to 35 picks per minute per arm with a minimum 94% efficiency and 92% purity.
  - These robots have been installed and are working in cold climates (in Northern Europe and Russia); external heating jackets for the equipment will be part of the final contract.
  - The visioning system will also have the ability to detect propane tanks and trigger a shutdown or trigger an alarm for manual intervention.
- The picked DCBs will be dropped into a chute to a conveyor that will move the DCB to an organics loadout trailer.
- The remaining municipal solid waste (with DCBs removed) will continue on conveyors and be deposited on the existing tipping floor associated with the A&B lines. This material will be fed into the recyclables recovery system that also has an RFP issued.

The proposal includes lifetime software upgrades at no additional cost.

BLP/lmh/MRH

I:\25219228.00\Construction Administration\DCB Proposals\Recommendation Memo\210316\_DCB Contractor Recommendation Memo\_Final.docx



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	VII.b.iii
<b>SUBJECT:</b>	Earth Day Groundbreaking Information		
<b>TYPE OF ITEM:</b>	<input checked="" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION
<b>SUBMITTED BY:</b>	Joint Leadership Team		

**R&E BOARD ACTION REQUESTED:**

For information only.

**EXECUTIVE SUMMARY:**

Staff will share details regarding a virtual groundbreaking ceremony to occur during the April 22 (Earth Day) board meeting celebrating the start of construction on the enhancements at the Recycling & Energy Center (R&E Center) to improve solid waste management in the East Metro.

R&E and its predecessor, the Ramsey/Washington Resource Recovery Project Board, have been evaluating methods to recover value from the waste stream to assist in meeting state recycling goals for many years.



April 22 will kick off the construction at the R&E Center for improvements to accommodate source-separated organics (via durable compostable bags) and enable the recovery of high-value recyclable materials from trash.

**ATTACHMENTS:**

None.

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM  	3/16/2021



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	IX.
<b>SUBJECT:</b>	R&E Updates and Reports		
<b>TYPE OF ITEM:</b>	<input checked="checked" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION <input type="checkbox"/> CONSENT
<b>SUBMITTED BY:</b>	Joint Leadership Team		

**R&E BOARD ACTION REQUESTED:**

For Information only.

**EXECUTIVE SUMMARY:**



Staff will provide updates on R&E projects and operations.

**ATTACHMENTS:**

None.

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM  	3/16/21



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

<b>R&amp;E BOARD MEETING DATE:</b>	March 25, 2021	<b>AGENDA ITEM:</b>	IX.c
<b>SUBJECT:</b>	Procurement Report		
<b>TYPE OF ITEM:</b>	<input checked="" type="checkbox"/> INFORMATION	<input type="checkbox"/> POLICY DISCUSSION	<input type="checkbox"/> ACTION <input type="checkbox"/> CONSENT
<b>SUBMITTED BY:</b>	Joint Leadership Team		

**R&E BOARD ACTION REQUESTED:**

For Information only.

**EXECUTIVE SUMMARY:**


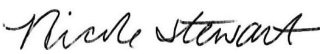
Staff will provide a written report of new contracts and amendments that were executed under authority of R&E's procurement guidelines during the period January 12, 2021 through February 28, 2021. Funding for the contracts is available in the approved 2021 Joint Activities and Facility Budgets, following approval as to form by the Ramsey County or Washington County Attorney's Office.

**ATTACHMENTS:**

1. Procurement Report

**FINANCIAL IMPLICATIONS:**

None.

AUTHORIZED SIGNATURES	DATE
JOINT LEADERSHIP TEAM  	3/17/21



**RAMSEY/WASHINGTON  
RECYCLING & ENERGY**  
CONNECTING VALUE TO WASTE

Report of all contracts and amendments executed under authority of Recycling & Energy's procurement guidelines (Resolution R&EB 2019-2), January 12, 2021 through February 28, 2021.

Vendor	Effective Date	Description	NTE/Budgeted Amount	Procurement Type
Builtrite Manufacturing	1/1/2021	Facility - parts for grapple cranes	Budgeted \$40,000	Amendment - renewal
The Forest Lake Area Chamber of Commerce	1/1/2021	Joint Activities - BizRecycling Partners	NTE \$15,000	Amendment - renewal
East Side Neighborhood Development Company	1/1/2021	Joint Activities - BizRecycling Partners	NTE \$15,000	Amendment - renewal
Toltz King Duvall Anderson & Associates Inc	1/1/2021	Facility - plant control engineering services	Budgeted \$30,000	Amendment - renewal
Foth Infrastructure & Environment, LLC	1/1/2021	R&E - engineering and technical consulting	NTE \$500,000	Amendment - renewal
Burnsville Sanitary Landfill, Inc.	1/1/2021	Facility - landfill services	as requested	Amendment - renewal
Kennedy Sales Inc	1/1/2021	Facility - tipping scale maintenance & repair	Budgeted \$20,000	Amendment - renewal
White Bear Lake Chamber of Commerce	1/1/2021	Joint Activities - BizRecycling Partners	NTE \$15,000	Amendment - renewal
Industrial Rubber & Supply Co.	1/1/2021	Facility - Eddy current belts	Budgeted \$10,000	Amendment - renewal
Oxygen Service Company	1/1/2021	Facility - welding supplies & equipment	Budgeted \$30,000	Amendment - renewal
Midwest Training Associates	1/1/2021	Facility - heavy equipment training	Budgeted \$14,000	Amendment - renewal
EcoEngineers	1/1/2021	Joint Activities - professional consulting services	NTE \$50,000	Amendment - renewal
Ziegler, Inc.	1/1/2021	Facility - equipment parts & service	Budgeted \$50,000	Amendment - renewal
M&M Hydraulic Co.	1/1/2021	Facility - parts & supplies	as requested	Amendment - renewal
Cintas Corporate Services Inc.	1/1/2021	Facility - first aid supplies	as requested	Amendment - renewal



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Bearing Distributors	1/1/2021	Facility - parts & supplies	as requested	Amendment - renewal
Edina Seasonal Services	2/1/2021	Facility - Waste Delivery Agreement	n/a	Hauler Agreement
JRS Ventures Inc	2/1/2021	Facility - Waste Delivery Agreement	n/a	Hauler Agreement
Hennepin County Environment & Energy Department	2/18/2021	Facility - MSW delivery agreement	as requested	New Agreement
G4S Secure Solutions (USA) Inc.	3/1/2021	Facility - scale house staff and after hours security	Budgeted \$335,000	Amendment - renewal