

Environment Committee

Meeting date: June 26, 2018

For the Metropolitan Council meeting of June 27, 2018

Subject: Adopt Southeast Metro Water Reclamation Facility Plan
District(s), Member(s): District 15, Chavez
Policy/Legal Reference: 2040 Water Resources Policy Plan
Staff Prepared/Presented: Deborah Manning, 651-602-1114
Division/Department: MCES c/o Leisa Thompson, 651-602-8101

Proposed Action

That the Metropolitan Council adopt the Facility Plan for the Southeast Metro Water Reclamation Facility, MCES Project No. 809100, per the attached Resolution No. 2018-7.

Background

The Southeast Metro Water Reclamation Facility would divert 2 million gallons per day (mgd) of effluent from the Empire Wastewater Treatment Plant effluent pipe and treat it to the higher level needed for wastewater reuse. The reclaimed water from the Southeast Metro Water Reclamation Facility would be distributed via pipeline to a potential waste-to-fuel facility being developed by the partnership of SKB Environmental and Enkernem in Inver Grove Heights.

Rationale

Council adoption of the facility plan is needed to apply for Public Facilities Authority low interest loan funds. The Facility Plan is available for review at [https://metro council.org/Wastewater-Water/Services/Wastewater-Treatment-\(1\)/Wastewater-Reuse/Reuse-Publications/Southeast-Metro-Water-Reclamation-Facility-Draft.aspx](https://metro council.org/Wastewater-Water/Services/Wastewater-Treatment-(1)/Wastewater-Reuse/Reuse-Publications/Southeast-Metro-Water-Reclamation-Facility-Draft.aspx)

Thrive Lens Analysis

Thrive MSP 2040 sets the direction for the Council’s development of wastewater reuse where economically feasible to promote sustainable water resources and emphasizes working with the Council’s partners. The Southeast Metro Water Reclamation Facility would align with Thrive MSP 2040’s goals by developing wastewater reuse capability in a collaborative manner, setting the stage for reuse-dependent job and economic growth, while advancing resource recovery from solid waste and generation of renewable energy.

Funding

The Water Reuse Policy Task Force and public comments from several of the Council’s wastewater customers recommended that the Council pursue sources of non-Council funds for the Southeast Metro Water Reclamation Facilities. Staff are pursuing the following funding sources:

- Public Finance Administration loan funds: to obtain a loan, the Council must have an approved Facility Plan.
- Minnesota Pollution Control Agency reuse grant: a \$300,000 matching grant was authorized by the Legislature. Council staff is working with the Agency to finalize the agreement for this grant which can be used for planning, design, and construction phases.



- Design Deposit from Enerkem: Per the Council's authorization, Council staff is negotiating a Design Deposit Agreement with Enerkem through which Enerkem would provide funds for design activities.

Until these funding sources are obtained, Council staff will use a minimal amount of capital funds that have been authorized and programmed for wastewater reuse activities.

Known Support / Opposition

Public comments indicate support for the Facility Plan. See the attached documents related to public comments received.

- Summary of public comments (Attachment A)
- Transcript of Public hearing (Attachment B)
- Copies of written comments (Attachment C)

METROPOLITAN COUNCIL

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**RESOLUTION NO. 2018-7
RESOLUTION APPROVING AND ADOPTING
THE FACILITY PLAN FOR THE
SOUTHEAST METRO WATER RECLAMATION FACILITY
PROJECT NO. 809100**

WHERE AS:

1. The Metropolitan Council is a public corporation and political subdivision of the State of Minnesota and has statutory responsibility for operating the Twin Cities Metropolitan Area regional wastewater collection and treatment system, and
2. The Metropolitan Council has determined it is necessary and convenient for the fulfillment of its statutory responsibilities to provide reclaimed water service, and
3. The Southeast Metro Water Reclamation Facility, Project No. 809100, is a proposed facility to provide reclaimed water in southeast Dakota County, and
4. A draft Facility Plan for the project has been completed and a public hearing was held on May 31, 2018 to discuss the proposed project and the draft Facility Plan and public comments were received through June 11, 2018.

NOW, THEREFORE, BE IT RESOLVED BY THE METROPOILTAN COUNCIL,

that the Facility Plan for the

**SOUTHEAST METRO WATER RECLAMATION FACILITY
PROJECT NO. 809100**

is hereby approved and adopted.

Adopted this 27th day of June 2018.

Alene Tchourumoff, Chair

Emily Getty, Recording Secretary

Southeast Metro Water Reclamation facility Plan - Summary of Public Comments

Comment ID	Date Received	Comment Type	Name	Organization	Summary
1	5/10/2018	Email to public.info@metc.state.mn.us	Michelle Macmillan, Land Rights Department	Great River Energy	GRE has electrical poles (high voltage transmission lines) along the proposed reclaimed water distribution pipe route. They have specific requirements for excavation around their poles. There is a cost if MCES needs GRE to hold poles during construction or for any outage.
2	5/21/2018	Comment card submitted at Public Information Meeting in Rosemount	Bob Hicks	Halvor Lines	Halvor Lines operates a trucking company on 140th St., across from the proposed SE Metro WRF site. They need access to their yard during construction.
3	5/21/2018	Comment card submitted at Public Information Meeting in Rosemount	Vanessa Demuth	Rosemount Utility Commission	Likes that there is potential to reuse wastewater. Would like the facility to be built larger and marketed for other potential uses in Rosemount.
4	5/24/2018	Comment card submitted at Public Information Meeting in Inver Grove Heights	D. North	Resident	Likes the concept of using wastewater for industrial water use, and would be good to see this expand if it works. Need to guarantee that State of MN or Metropolitan Council would not end up paying for anything if Enerkem defaults.
5	5/31/2018	Verbal Comment at Public Hearing	Don Mullin	St. Paul Building Trades	Very supportive of the project and would like MCES to continue moving it forward.
6	5/31/2018	Verbal Comment at Public Hearing	Brenda Sabestina	Resident	Questions Enerkem and its ability to follow through, based on her research of their other operations and plans. Stated that Edmonton project was 6 years late and \$100 million over budget.
7	5/31/2018	Verbal Comment at Public Hearing	Ryan O'Gara	SKB Environmental	Appreciative of Metropolitan Council providing water source to SKB's proposed project with Enerkem, and adding sustainable feature to their project.
8	5/31/2018	Verbal Comment at Public Hearing	Rick Peterson	North Central States Regional Council (Carpenter's Union)	Read a statement for Adam Duinck, who could not attend. Expressed strong support for the SKB-Enerkem project. Urged Metropolitan Council to adopt the facility plan for the SE Metro Water Reclamation Facility.
9	5/31/2018	Verbal Comment at Public Hearing	Jason George	Operating Engineers, Local 49	Strong support for MCES' project.
10	5/31/2018	Verbal Comment at Public Hearing	Steven Chavez	Metropolitan Council	Thanked everyone present for taking the time to participate.
11	5/31/2018	Verbal Comment at Public Hearing	George Tourville, Mayor	City of Inver Grove Heights	Stated that Inver Grove Heights has been working with SKB and Enerkem for over a year. Appreciated the opportunity to look at reclaiming wastewater through the proposed MCES project. Appreciated the questions about Enerkem and stated there will be future opportunities to review Enerkem's proposal and provide public comment on that project. Stated need to consider MCES' project so as not to miss an opportunity. Water is finite. Interested in taking wastewater and using it to produce a viable product, ethanol. Also, diverting municipal solid waste from landfills and doing something useful with it is interesting, especially because Inver Grove Heights has one of the biggest municipal solid waste landfills in the state. There are a lot of potential benefits to the SKB-Enerkem project. The City will be looking at the details, and there is more evaluation to do.

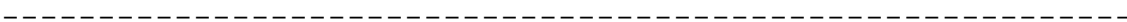
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METROPOLITAN COUNCIL ENVIRONMENTAL SERVICES

Facility Plan for the Southeast
Metro Water Reclamation Facility

PUBLIC HEARING
Thursday, May 31, 2018
6:30 p.m.

Rosemount Community Center
13885 South Robert Trail, Rosemount, Minnesota



PRESENT:

Wendy Wulff, Metropolitan Council Member
Metropolitan Council Member District 16
Metropolitan Council

Deborah Manning
Assistant Manager, Plant Engineering
Metropolitan Council Environmental Services

Jeannine Clancy
Assistant General Manager of Technical Services
Metropolitan Council Environmental Services

John Chlebeck, Principal Engineer
Metropolitan Council Environmental Services

Tim O'Donnell
Senior Information Coordinator/Citizen Liaison
Metropolitan Council Environmental Services

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(The following proceedings transpired.)

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MS. WULFF: Good evening, and welcome to the Metropolitan Council Environmental Services Public Hearing. I'm Wendy Wulff, and I'm a Council member for District 16.

I would like to acknowledge Mayor George Tourville, from Inver Grove Heights, is here tonight.

The subject of this Public Hearing is the Draft Facility Plan for the Proposed Southeast Metro Water Reclamation Facility. This Public Hearing is to inform the public about and to receive comments on the Draft Facility Plan.

So what are we going to cover today? We'll introduce you to our staff who are working on the Draft Facility Plan. We'll state the purpose of the Public Hearing, summarize the Draft Facility Plan of the Southeast Metro Water Reclamation Facility, receive your comments on the Draft Facility Plan, and cover the next steps in the process.

Joining me to present the Draft Facility Plan for the proposed Southeast Metro Water Reclamation Facility and to receive comments are from Metropolitan Council Environmental Services staff Jeannine Clancy.

1 Would you stand and wave? The Assistant General
2 Manager for Technical Services.

3 Deborah Manning, Assistant Manager for Plant
4 Engineering in Technical Services; John Chlebeck,
5 Principal Engineer in Technical Services; and Tim
6 O'Donnell, Senior Information Coordinator and Citizen
7 Liaison. Heather Eckstein from Adams's Court Reporting
8 will record the proceedings for our official public
9 record.

10 At this time, I would like to call the Public
11 Hearing to order. The purpose of this hearing is to
12 inform the public about the Draft Facility Plan and
13 receive your comments.

14 We'll first have a brief presentation of the
15 Draft Facility Plan, and after that we'll receive the
16 comments. All interested persons may present comments
17 as they relate to the Draft Facility Plan, and if you
18 wish to speak at this hearing, but have not yet signed
19 in at the table right near the door, please do so.

20 You can also make public comments by mail,
21 email, phone, fax, or TTY until Friday, June 11. There
22 is a comment box over on the side of the room if you
23 have written comments today that you would like to
24 submit.

25 This is a formal, legal, public hearing whose

1 purpose is to receive your comments. Council
2 representative are limited in the ability to respond to
3 comments or questions directly during this hearing.

4 Council staff will compile all of the
5 comments and provide responses in the summary
6 documentation they present to the Council itself. That
7 summary documentation will be mailed to all who provide
8 formal comments and will be available on the Council
9 Website.

10 The Draft Facility Plan process includes
11 these key activities and dates. We published a legal
12 notice of the Public Hearing in the Star Tribune
13 newspaper and in the St. Paul Pioneer Press newspaper
14 on April 29, 2018.

15 We mailed the Public Hearing notice via
16 email, .gov delivery, on April 27, 2018, to government
17 and community representatives as well as other
18 interested parties.

19 We mailed the Public Hearing notice via U.S.
20 Postal Service on May 7, 2018, to surrounding property
21 owners in the vicinity of the proposed project area.

22 We're having this Public Hearing today,
23 May 31, 2018, and the public comment period ends on
24 Friday, June 11, 2018, at 5:00 p.m.

25 Staff expects to present a summary of public

1 comments and responses to the comments to the Council's
2 Environment Committee by mid-June, and then a Council
3 decision on the Draft Facility Plan is expected by the
4 end of June 2018.

5 At this time, I'll turn the presentation over
6 to Deborah Manning and John Chlebeck. As I said,
7 because this is a public hearing, questions will need
8 to come in the form of a comment during the public
9 comment period of the hearing and staff will not be
10 able to respond to questions.

11 MS. MANNING: Thank you. Good evening.
12 Because our proposed project is about wastewater reuse,
13 we want to do some definitions.

14 Wastewater reuse is the practice of treating
15 and reusing wastewater treatment plant effluent for
16 beneficial use before releasing it back to the water
17 cycle, and the product that we produce from the
18 wastewater reuse is what we call "reclaimed water."
19 And so we'll be using that term in this presentation.

20 Council policy directs our wastewater reuse
21 activities. In the Thrive 2040 plan, Council stated
22 that we would pursue wastewater reuse where
23 economically feasible as a means to promote sustainable
24 water resources.

25 In the 2040 Policy Plan, Water Resources

1 Policy Plan, it talks about how we would go about that,
2 focusing on three areas of working with our partners,
3 maximizing regional benefits for regional investments,
4 providing efficient, high-quality, and sustainable
5 water services.

6 Our wastewater reuse practice has moved
7 through a number of steps. We've completed studies
8 that our customers mostly have asked for, how does
9 wastewater reuse fit in their total water picture, and
10 moved into a demonstration project that's a full
11 treatment plant in East Bethel that demonstrates the
12 high level of treatment needed for wastewater reuse and
13 also subsurface infiltration of the reclaimed water.

14 We're in the process of designing wastewater
15 reuse facilities in our metro treatment plant which is
16 in St. Paul, and that's for in-plant reuse.

17 And then finally a big step would be to be
18 doing wastewater reuse under contract providing new
19 plant water services to an industry or other user. And
20 in this case, the industry that has expressed an
21 interest is SKB Environmental and Enerkem partnership.

22 Wastewater reuse is really, as we've looked
23 at where this might fit in the region's water
24 management picture, it's opportunity and
25 location-driven.

1 The slide show shows our eight wastewater
2 treatment plants around the region, and what we've
3 found is that the potential for cost effective reuse
4 seems to be best when there's industries in the area
5 where it's appropriate or where there's growth, where
6 the effluent quantity and quality from the local
7 wastewater treatment plant is conducive to reuse, where
8 there's land available for the required additional
9 treatment, and where distribution system piping cost is
10 reasonable.

11 Also, it's important to have a reuse driver
12 and our Empire service area, the Empire Treatment
13 Plant, is shown in that box, the round box, and in this
14 part of Dakota County, the DNR has stated that future
15 water appropriation permits may be more complicated to
16 get, and that has encouraged people to look at some
17 alternative water supplies such as wastewater reuse.

18 The question came up often in the two public
19 information meetings that we had of why are we having
20 or why did the Council do this Facility Plan now, and
21 why the Public Hearing.

22 We know that SKB and Enerkem are continuing
23 to make their decisions about their proposed facility
24 in Inver Grove Heights, and so people have asked why is
25 Met Council out with a facility plan while that

1 decision-making process is still going on.

2 And really there's a number of reasons. We
3 are, we've received this expression of interest from
4 SKB and Enerkem for their facility, potential facility
5 in Inver Grove Heights.

6 We've recognized that we would need to
7 provide additional treatment, storage, pumping, and
8 piping facilities in order to provide reclaimed water
9 there, and these proposed Southeast Metro Water
10 Reclamation Facilities would provide that.

11 The Council has a policy to recover the cost
12 of the facilities through reclaimed water fees charged
13 to users; in this case, Enerkem.

14 But the cost of those facilities could be
15 reduced if the Council pursued low-interest rate funds
16 from the Minnesota Public Facilities Authority.

17 PFA requires a facility plan as a first step
18 in qualifying for those low-interest loans, so we
19 proceeded with that facility plan. And a public
20 hearing is required as part of that facility plan
21 process.

22 So that's the reason that we've been doing
23 this and at this point in our process.

24 So I will turn it over to John Chlebeck who's
25 our Project Manager for the facilities, and he'll tell

1 you more about them.

2 MR. CHLEBECK: Thanks, Deborah. So as
3 Deborah mentioned, the Empire Wastewater Treatment
4 Plant has been identified as a location where the reuse
5 is, has a high potential.

6 This map here shows the Empire service area,
7 the collocation area, for the Empire Wastewater
8 Treatment Plant, which is shown as a black box there
9 where it says "Empire."

10 The service area, current service area is
11 this darker pink color, and then the light pink color
12 is our projected service area for that wastewater
13 treatment plant.

14 The plant serves Rosemount, Apple Valley,
15 Lakeville, Farmington, Empire Township, and
16 Elko-New Market, and the current flow through the plant
17 is about 10 million gallons per day on average. The
18 plant capacity is 24 million gallons per day.

19 This is a picture of the Empire Plant which
20 would serve as the source of water for our Southeast
21 Metro Water Reclamation Facility.

22 It provides an advanced secondary treatment
23 process for the wastewater that discharges to the
24 Mississippi River, and that includes removing solids
25 and biodegradable material as well as nutrients, and

1 provides disinfection before pumping it into our
2 outfall pipe to the Mississippi.

3 This shows a high-level concept of our
4 Southeast Metro Water Reclamation Facility project. So
5 at the bottom of this map, you can see the red dot
6 represents the Empire Wastewater Treatment Plant, which
7 you just saw.

8 The light blue line coming north from there
9 up to County Road 42 and then running east towards the
10 Mississippi River is the outfall pipe from that
11 wastewater treatment plant.

12 It jogs north to 140th Street just before it
13 goes towards the river. That line, that plant and the
14 line, they carry about 10 million gallons per day as I
15 mentioned.

16 We would be diverting approximately 2 million
17 gallons per day at our proposed Southeast Metro Water
18 Reclamation Treatment Plant, which is represented by
19 the blue dot on the map there on 140th Street.

20 And then after treating it to a higher-level
21 quality for reuse, we'd be pumping the water along this
22 route here, which is shown as a green line for the
23 distribution pipe up to the proposed Enerkem facility
24 in Inver Grove Heights on 117th Street.

25 Our treatment facility for the Southeast

1 Metro Water Reclamation Facility would be regulated and
2 permitted by the Minnesota Pollution Control Agency or
3 MPCA, and this information here is a schematic
4 representation of how they permit wastewater reuse in
5 Minnesota.

6 It's based on, the guidance they've created
7 is based on regulations in California, the Title 22
8 regulations for wastewater reuse for non-potable
9 purposes, and what's shown here is three tiers of
10 effluent quality or reclaimed water quality depending
11 on the end use of the product.

12 And so in this case we're looking at
13 industrial processes and cooling that would involve
14 cooling towers that create a mist where there's
15 potential for worker contact.

16 And so we're looking at the higher level
17 here, the highest of the three levels for treatment
18 quality to provide to the Enerkem facility.

19 So if you've reviewed the Facility Plan, we
20 evaluated a number of alternatives for different
21 treatment processes. What's shown here is the concept
22 for the treatment process and the recommended
23 alternative facility plan.

24 At the top of this figure, this represents
25 the outfall pipe that runs along 140th Street. We'd be

1 diverting flow from that pipe, pumping it through a
2 filtration system and a UV or ultraviolet light
3 disinfection system before going to a storage tank
4 represented by this rectangle here, and then pumping
5 from that storage tank to the Enerkem facility through
6 the distribution pipeline.

7 There's also a secondary disinfection system
8 shown here, which would be chlorine or sodium
9 hypochlorite, which would provide a chlorine residual
10 in the distribution line to maintain disinfection.

11 Our site along 140th Street is the former
12 Rosemount Wastewater Treatment Plant site of which
13 Metropolitan Council Environmental Services owns. We
14 operate an active lift station, L74.

15 The Rosemount Wastewater Treatment plant was
16 decommissioned about ten years ago, and the treatment
17 process had three primary treatment buildings. One of
18 those has been demolished here, but there are two still
19 standing and those are shown on this figure as well.

20 Part of our Facility Plan looked at the
21 potential to reuse those facilities for our new
22 equipment as a way of saving cost. And you can see
23 here, along 140th Street, that's our outfall pipe shown
24 on that map there as well.

25 The distribution pipe route would be running

1 from the proposed treatment plant location in the
2 bottom right-hand corner here, and following this, this
3 purple line here which is 140th Street up to Blaine
4 Avenue or County Road 71, and then running north along
5 County Road 71 to 117th Street.

6 Along this route, there are several
7 difficulties that we identified in the Facility Plan,
8 and some of that results in additional cost as well.

9 There are three railroad crossings, petroleum
10 pipelines associated with the Flint Hills Refinery, and
11 also a crossing of Highway 52, which is a fairly major
12 endeavor. The pipeline length is four-and-a-half miles
13 in total.

14 As I mentioned, we evaluated several
15 alternatives in the Facility Plan, and I'm going to go
16 over those in summary right now. For disinfection, we
17 looked at using chlorine versus using UV or ultraviolet
18 light for disinfection.

19 For buildings, we considered all new
20 construction versus reusing existing buildings at the
21 Rosemount Wastewater Treatment Plant site.

22 For the storage tank on the site, we
23 evaluated two different capacities for storage; a
24 two-million gallon tank versus a six-million gallon.
25 And then we also looked at an option for an

1 above-ground tank instead of below-ground storage.

2 The distribution pipe, we considered running
3 that pipe along Highway 52 and County Road 71. The
4 previous map here shows the route along County Road 71
5 which ending up being the recommended alternative based
6 on our evaluation of the Facility Plan.

7 So I'm going to go through each of these
8 alternatives briefly, and there are more details in the
9 report which is available on our Website and we can
10 provide hard copies if anyone needs them.

11 For disinfection, as I mentioned, we looked
12 at sodium hypochlorite or chlorine and UV as our
13 primary alternatives.

14 The UV is a more expensive system, but one
15 primary consideration here was the acceptability of the
16 water, the reclaimed water, to the end user of the
17 water, which they have said that chlorine, they'd like
18 to minimize the amount of chlorine in that water for
19 their industrial processes.

20 So using chlorine as the primary disinfection
21 obviously creates some difficulty with minimizing the
22 amount of chlorine in the water.

23 In addition, the sodium hypochlorite is more
24 complex to operate to target the right disinfection
25 dose to get the bacterial and pathogen inactivation

1 that you need to meet your permit requirements, and it
2 creates a safety hazard due to greater volume of
3 chemicals stored on-site.

4 So in the end, we are recommending in our
5 Facility Plan to use UV disinfection.

6 As I mentioned, we looked at repurposing
7 existing buildings on the Rosemount Wastewater
8 Treatment Plant site, and we found in our preliminary
9 evaluation that there's a potential to save some cost
10 by doing that and probably shortening the construction
11 schedule by doing that.

12 But we've, our conclusion was that we needed
13 to do a more in-depth engineering evaluations of those
14 structures during design. So at this point, we're
15 deferring a decision on that until after we do more
16 design work.

17 The purpose of storage for this facility is
18 to provide for reliability in the case of a short
19 supply outage, and also to allow for continuous
20 operation of the treatment facility with fluctuations
21 on the demand side.

22 And for the purpose, we determined that the
23 six-million gallon storage tank is likely unnecessary
24 and cost prohibitive. So we're looking at a
25 two-million gallon storage tank.

1 We also evaluated the potential for an
2 above-grade storage tank at the site, and we'd like to
3 evaluate that further during design as well.

4 So at this point, we've identified that the
5 volume would likely be two million gallons. And so our
6 budgetary cost estimate for this component of the
7 system is based on that volume.

8 But the decision about whether it'll be below
9 ground or above ground would be left for design to
10 further evaluate.

11 One problem with the above-ground storage
12 tank that we'd like to evaluate further is it creates
13 additional complexity with operations, and so it
14 requires an intermediate pumping station that also
15 increases energy consumption in the facility.

16 And as I mentioned, we looked at a route
17 along Highway 52 as well as the County Road 71 route.
18 The Highway 52 route was slightly shorter in length,
19 but the construction risks are significantly higher
20 along that route. The costs are essentially equal
21 according to our cost estimate.

22 Part of the construction risk along the
23 County Road 52 site, there's documented environmental
24 contamination, contaminant plumes that we'd have to
25 contend with during construction, as well as additional

1 MnDOT permitting requirements.

2 There's parallel high-pressure petroleum
3 product pipelines, and we've identified here the
4 traffic impact would be much higher. There's much
5 greater traffic along that route of which creates a
6 construction safety risk.

7 So at this point, we're recommending
8 evaluating the County Road 71 route going forward to
9 design.

10 So with the alternatives that we are
11 recommending, this is the budgetary cost estimate
12 presented in the Facility Plan.

13 It's broken into four components here; the
14 diversion system, which is the pumping system which
15 takes the wastewater out of the outfall from Empire and
16 pump it up into the new treatment facility; filtration
17 and disinfection includes the filters and disinfection
18 equipment as well as the structures to house that
19 equipment on the site; storage and pumping is the
20 storage tank as well as distribution pumps to move the
21 water into the distribution line; and the distribution
22 piping is the pipeline itself along the County Road 71
23 route.

24 It's shown here as estimated project cost.
25 The total cost is \$27.7 million approximately, and that

1 cost includes construction cost estimate, engineering
2 and administrative costs, inflation, land acquisition,
3 and permitting costs.

4 So with that, I'm going to turn it back to
5 Deborah.

6 MS. MANNING: The proposed project delivery
7 we're anticipating would be done under two separate
8 design and construction projects; one for the treatment
9 and storage site project, the other for the
10 distribution pipe.

11 And we are ready to begin design work this
12 year if that is the date that we settle on with Enerkem
13 in an agreement. Construction can begin in 2019 or
14 2020 if that design proceeds as shown.

15 Proposed project funding, as I mentioned
16 previously, Council's policy is to have the reclaimed
17 water user, in this case Enerkem, pay for the cost of
18 design, construction, and the annual operation and
19 maintenance.

20 There is, the Council has just recently
21 reviewed policy, and concluded that a regional cost
22 share is appropriate if there is a benefit to Council's
23 regional wastewater system. And so that's that third
24 bullet.

25 Council is in the process of evaluating if

1 there is a regional benefit to the regional wastewater
2 system from the Enerkem project.

3 If there is, we will go out to the public
4 with public information meetings and public hearings on
5 that proposed regional cost share.

6 As I mentioned in the beginning, one of the
7 reasons we're doing these public, this Public Hearing
8 and then completed the Draft Facility Plan is to
9 qualify for those low-interest loans from the Public
10 Facility Authority.

11 We showed this timeline at the beginning of
12 the presentation. The public comment period will run
13 to June 11. There are instructions on how to submit
14 comments if you choose to hold off and not submit them
15 tonight. They're on the back of your agenda in your
16 agenda packet.

17 And then as we mentioned at the beginning
18 that Council would hear comments, and any response that
19 comes back of those comments, towards the end of June
20 and consider adopting the Facility Plan.

21 And with that, I will turn it back to
22 Councilmember Wulff.

23 MS. WULFF: Thank you, can you hear me? I
24 would like to acknowledge my colleague Steve Chavez who
25 came in a little bit late. He represents both

1 Inver Grove Heights and Rosemount on the
2 Metropolitan Council.

3 Okay, so as we proceed with the comment
4 portion of the Public Hearing, there's a few
5 information items I want to point out.

6 People wishing to comment will be called to
7 speak in the order that you signed in. If you decide
8 during the meeting that you want to speak and you have
9 not indicated that on the sign-in sheet, I will do a
10 call at the end for anybody who wants to make
11 additional public comments.

12 Each speaker should stand up and state their
13 name, address, and organization that you represent, if
14 any, because this hearing is being recorded for the
15 official public record.

16 Deborah, you're going to go around with
17 the --

18 MS. MANNING: Tim's going to do that.

19 MS. WULFF: If you'd like to speak from the
20 podium up here, you can, or you can speak from your
21 seat or wherever and Tim will bring the microphone to
22 you.

23 Individuals should keep their remarks to
24 three minutes, and if you're a designated
25 representative of a group or organization, you have

1 five minutes. And of course you can also provide
2 additional written statements here or anytime up
3 through June 11.

4 Council staff will compile all the comments
5 and provide responses in the summary documentation they
6 present to the Council itself for their decision-making
7 process.

8 And that summary documentation will be mailed
9 to everyone who provides formal comments and will be
10 available on the Council Website. And if you don't
11 want to make a comment and you still want to get an
12 emailed copy, let staff know and they will email you a
13 copy of the document as well.

14 So at this time, we'll receive your comments.
15 I'd like to remind you to stand up and state your name,
16 address, and organization, if any. The first person
17 who signed up to speak is Don Mullin.

18 MR. MULLIN: Thank you. Hi, my name is
19 Don Mullin. I'm with the St. Paul Building Trades.
20 353 West 7th in downtown St. Paul. I want to thank you
21 for the opportunity to speak here today and add my
22 comment for the record.

23 I represent roughly about 12,000 construction
24 workers in Dakota, Washington, Ramsey, and Chisago
25 Counties, and we are very supportive of this project

1 and we'd ask you to please continue to move forward
2 with it. Thank you very much.

3 MS. WULFF: Thank you. Next up is
4 Brenda Sabistina.

5 MS. SABISTINA: Yes. Brenda Sabistina,
6 10380 Brent Avenue, Inver Grove Heights. I'm just a
7 public citizen.

8 I'm just wondering if research has been done
9 on this Enerkem company. I saw their Edmonton project
10 was six years late and the construction costs went over
11 a \$100 million over budget. They were also going to
12 build a plant in Mississippi that still hasn't been
13 built and that was in 2009.

14 So I'm just questioning this company and
15 what, if anything, has been done to check into them.

16 MS. WULFF: Thank you. Ryan O'Gara.

17 MR. O'GARA: Ryan O'Gara with SKB
18 Environmental. 13225 Galleria Court in Apple Valley.

19 And I'd like to start just by expressing my
20 gratitude to the Council for hosting these meetings and
21 also specifically the Counsel staff that has spent so
22 much time and energy getting to this point with this
23 Facility Plan.

24 We first started exploring with Enerkem the
25 site for the facility. One of the biggest challenges

1 was having the water source. Given the challenges with
2 using fresh ground water that we use as a drinking
3 water supply and using surface water, we really had a
4 challenge, and oftentimes challenges can bring about
5 pretty exciting opportunities.

6 And that's what we have here with this
7 proposed facility. It would add yet another
8 sustainable aspect to our process where we want to not
9 only recover recyclables from waste and convert it into
10 renewable fuel, and now we'll be reusing wastewater and
11 using that as opposed to using fresh ground water.

12 So this project is extremely exciting to us
13 and we strongly encourage you to move forward and we
14 appreciate all the cooperation along the way.

15 MS. WULFF: Thank you. Rick Peterson.

16 MR. PETERSON: Hi, my name is Rick Peterson
17 with the North Central States Regional Council, also
18 known as the Carpenter's Union, 700 Olive Street,
19 St. Paul, Minnesota.

20 Adam Duininck, who is our Government Affairs
21 officer, he's not here today. He had wanted me to come
22 and read a statement, so this is his statement.

23 I'm here today to express a strong support
24 for the Enerkem-SKB Environmental project in
25 Dakota County. In order to continue to pursue the

1 project, the North Central States Regional Council
2 Carpenters urges the Metropolitan Council to adopt the
3 Water Reclamation Facility Plan, Draft Plan, in June.

4 The project is an ideal combination of good
5 and technical, and it benefits the environment, as well
6 as projects that support good jobs and other economic
7 development opportunities.

8 If we are able to successfully complete the
9 project, it'll be a model for our region and our region
10 around, and regions around the country. The project is
11 estimated at \$350 million. It will create an estimated
12 700 construction jobs as well as high-quality permanent
13 jobs.

14 Thank you for your openness and creative
15 thinking, and I appreciate all the work that you're
16 doing to engage in it and has gone into this decision.

17 I urge you to support the plan and advance to
18 the next phase of the process of including and seeking
19 funding to ensure the completion. Adam Duininck.

20 MS. WULFF: Thank you. Jason George.

21 MR. GEORGE: Hi, I'm Jason George. Jason
22 George with the Operating Engineers, Local 49.

23 We represent about 14,000 heavy equipment
24 operators in three states; Minnesota, South Dakota, and
25 North Dakota. I live in Rosemount, at 13361 Coachford

1 Avenue.

2 We are in strong support of the project and
3 really want to thank the Met Council for bringing this
4 forward along the way and continuing to work with the
5 company to try to figure out a path to get this done.

6 It'll create hundreds of good-paying
7 construction jobs, and we are always big supporters of
8 public-private partnerships like this where a small
9 amount of, relatively small amount of private or public
10 dollars and public investment in infrastructure can
11 leverage hundreds of millions of dollars in private
12 construction.

13 It's going to be done by local union hands,
14 which means it's going to be good-paying jobs. So we
15 think it's going to be a win-win for the environment,
16 for jobs, for the community, and for the Met Council.

17 And we strongly urge you folks to continue to
18 move it forward and ultimately get this done. Thank
19 you.

20 MS. WULFF: Thank you. That is the end of my
21 list. Is there anyone else who would like to speak?
22 Councilmember Chavez?

23 MR. CHAVEZ: Thank you, Councilmember Wulff.

24 MS. WULFF: Wait for the microphone,
25 Councilmember.

1 MR. CHAVEZ: I'm late to the show this
2 evening, I apologize. Yes, I'm the Met Council member
3 in whose district these proposed projects are sited.

4 Primary thing I wanted to just relate tonight
5 is you all could be doing something this evening
6 probably much more stimulating, more fun in this
7 gorgeous weather.

8 So this is how democracy happens and thanks
9 for showing up. 80 percent of life is showing up, and
10 these are the types of things that make a big
11 difference.

12 The citizens that are here, I always cringe
13 when I hear someone say, well, I'm just a citizen or
14 I'm from the neighborhood or something like that. This
15 is why we show up. Thank you for doing that,
16 appreciate it.

17 MS. WULFF: Is there anyone else who would
18 like to speak?

19 MR. TOURVILLE: Mayor George Tourville from
20 Inver Grove Heights. 8415 Cooper Way East,
21 Inver Grove.

22 And we've been, we've been working with SKB
23 and Enerkem and Metro Council for over a year, I think,
24 and we appreciate the Public Hearing also because it
25 gives an opportunity to take a look at the reclaiming

1 of the water out of the waste treatment plant. It is
2 unique.

3 You brought up some great questions on
4 Enerkem, and I'm sure they'll be answered and there'll
5 be comments. It's not the time tonight, public
6 hearing. But we are, we're waiting, going through the
7 process like everybody else.

8 We're getting to know, we've had Enerkem do a
9 few proposals, not through the -- not at a city council
10 meeting, but at work sessions.

11 We have had staff working with Metro Council
12 which we truly appreciate, with Jeannine and John and
13 the others to take a look at this project as a
14 possibility.

15 And without looking at it, we may be missing
16 an opportunity because we only have so much water.
17 Minnesota's gifted with the 10,000 lakes, but you still
18 only have so much water.

19 And there's a chance for some of that water
20 to be used instead of going straight to the Mississippi
21 River. So we're interested in having a bi-product that
22 comes out of it, ethanol.

23 So we're learning along with everybody else.
24 We're waiting for the process to continue, and if it
25 does, there will be public hearings and that, also at

1 the -- within the city of Inver Grove Heights, for the
2 project and to take a look at a lot of those other
3 questions.

4 But we appreciate people showing up. We
5 appreciate Metro Council for allowing this to at least
6 be looked at.

7 And again, we look at it as an opportunity
8 and we continually need to look at opportunities to
9 protect the environment, to take a look at the use of
10 what gifts we've got, and water is truly a gift.

11 And if we can take a look at using that, if
12 we end up also with a product through this, which
13 you've probably read through the Enerkem stuff, is that
14 you need municipal waste.

15 So within the municipal waste stream, you may
16 end up coming up with a product and you may end up
17 with, as we're looking through it, you'll end up with
18 less going into the ground.

19 And in Inver Grove Heights, we look at that
20 very seriously having the largest landfill for
21 municipal waste in, I don't know if it's in Minnesota,
22 but at least in Dakota County, and it's a partnership
23 for a municipal landfill.

24 So we're looking at it. There's a lot more
25 to come, there's a lot more studying to do. And there

1 is, they'll be a lot more public comments.

2 So we do appreciate the unions speaking, look
3 at jobs, take a look at the other pieces. It does, it
4 takes a lot of water. I'm surprised when somebody
5 asked that question.

6 It takes a lot of water, and so it's one of
7 the reasons why you're not going to probably see DNR go
8 out for a well digging and take fresh water out of the
9 aquifers.

10 So we'll take a look, more to come, a lot
11 more information, and again, we look at Metro Council
12 taking the lead on this. The City of Inver Grove is
13 hoping to work with it and see if we can make this
14 happen.

15 And I will, and this isn't the spot here, but
16 we'll be doing more informational meetings within Inver
17 Grove as we get permits and applications and other
18 things also so it'll be more of a chance. Thank you.

19 If I didn't say anything, it'd probably be
20 remiss. You'd think I didn't like the project.

21 MS. WULFF: Is there anyone else who'd like
22 to speak? Last chance, nobody, okay.

23 Since there are no further comments at this
24 time, I'd like to remind you that the Public Hearing
25 record will remain open until 5:00 p.m. on

1 Friday, June 11, 2018.

2 You may submit comments through any of the
3 methods now showing on the screen by email, Postal
4 mail, fax, or the Council's public comment line, by TTY
5 text-telephone, and also the little box on the side of
6 the room if you want to put something in tonight.
7 These instructions are also printed on the back of your
8 agenda.

9 I'll make one final call, anyone else want to
10 get up and talk? Seeing no further comments, we will
11 adjourn the Public Hearing, thank you very much for
12 coming.

13 (The hearing was adjourned at 7:10 p.m.)

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* * *

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25

1 STATE OF MINNESOTA)
)
2 COUNTY OF SHERBURNE)

3

4

5 Be it known that the foregoing Metropolitan
6 Council Environmental Services Public Hearing proceedings
7 were taken by Heather Eckstein, Court Reporter, on the 31st
of May, 2018, at the Rosemount Community City, 13885 South
Robert Trail, Rosemount, Minnesota.

8

9

10 That I was then and there a Notary Public in and
11 for the County of Sherburne, State of Minnesota;

12

13

14 That the proceedings were recorded in stenotype
15 by myself and transcribed into writing by computer-aided
transcription, and that the transcript is a true and
accurate record of the proceedings to the best of my
ability;

16

17

18 Dated and signed the 4th day of May, 2018.

19

20

21

Heather Eckstein
Court Reporter

22

23

24

25



MCES Southeast Metro Water Reclamation Draft Facility Plan Public Information Meeting & Public Hearing - Comment Card



What comments, questions or suggestions would you like to share with MCES?

- Sounds like a very interesting proposal
- Need to guarantee that state of mwr met Conc 1 doesn't end up paying for anything if Everken defaults
- Like the concept of utilizing wastewater for industrial water usage a would be good to see this expands if this works
- Nice informational mtg. Thx.

What is the best way to reach you?

Name: D North

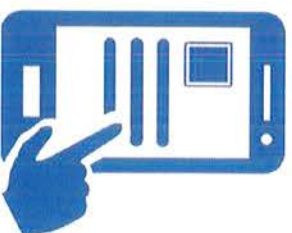
Email:

Phone: 651-455-4799

Address:

If you would you like updates,
please go to:

[https://metro council.org/
wastewater-reuse](https://metro council.org/wastewater-reuse)



MCES Southeast Metro Water Reclamation Draft Facility Plan Public Information Meeting & Public Hearing - Comment Card



What comments, questions or suggestions would you like to share with MCES?

We operate a Trucking Co. Holvor Livers at
3686 14th St East To Rosemount and we
will need access to our yard and the driveway
is located on 14th

What is the best way to reach you?



Name: Bob Hicks



Email: bhicks@holvorlivers.com



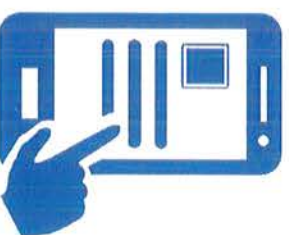
Phone: 651-261-3830



Address: 3686 14th St East

If you would you like updates,
please go to:

[https://metro council.org/
wastewater-reuse](https://metro council.org/wastewater-reuse)





MCES Southeast Metro Water Reclamation Draft Facility Plan Public Information Meeting & Public Hearing - Comment Card



What comments, questions or suggestions would you like to share with MCES?

I like that there is the potential for ~~reusing~~ reusing the wastewater. I would like it if the plant could be built larger and that met council marketed that this waste-reuse plant exists in Rosemount

What is the best way to reach you?



Name: Vanessa Demuth



Email: Vanessa.demuth@yohu.com



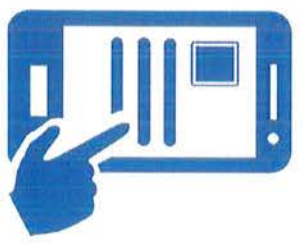
Phone: 612-616-0360



Address:

If you would you like updates, please go to:

<https://metro council.org/wastewater-reuse>



From: [Odonnell, Tim](#)
To: [Chlebeck, John](#); [Nguyen, Michael](#)
Cc: [Manning, Deborah](#)
Subject: FW: Southeast Metro Water Reclamation Facility
Date: Friday, May 11, 2018 1:00:07 PM
Attachments: [image001.gif](#)
[ags_a18d65e9a04d4fbcdb8f4a2886b1cc56.pdf](#)
[image002.png](#)
[image003.gif](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.gif](#)

Hi John and Michael –

We received the comments below and the attachment from Great River Energy. Could one of you respond to them, acknowledging that we received their comments, and also stating in general how we will address their concerns and work with them throughout design and construction?

Also, send me a copy of your reply so that I can keep it in the public record for this project.

Thanks!

Tim

EMAILLOGO.png



Tim O'Donnell

Project Citizen Liaison/Sr. Info. Coordinator | Environmental Services
tim.odonnell@metc.state.mn.us
P. 651.602.1269 | C. 952.451.4689 | F. 651.602.1477
390 North Robert Street | St. Paul, MN | 55101 | metro council.org



From: PublicInfo
Sent: Thursday, May 10, 2018 3:57 PM
To: Odonnell, Tim <tim.odonnell@metc.state.mn.us>
Subject: FW: Southeast Metro Water Reclamation Facility

Hi Tim,

I am staffing Public Info box this week.

Could you take a peek at the message below and advise me on who is the appropriate staff.

Thank you,

Claudia

From: Macmillan, Michelle GRE-MG <mmacmillan@GREnergy.com>
Sent: Thursday, May 10, 2018 3:26 PM
To: PublicInfo <public.info@metc.state.mn.us>
Subject: Southeast Metro Water Reclamation Facility

I received your notification for the Southeast Metro Water Reclamation Facility. I have attached a map for your reference and GRE does have facilities where you have proposed a reclaimed water distribution pipe as well as the area at 145th Street where the Empire Wastewater Treatment Plant Outfall Pipe exists.

Our first concern would be any excavation near our facilities where you would be installing new pipe or upgrading any of the old pipe. I have also attached an exhibit for temporary excavation, if you cannot meet these excavation requirements you will either need to pay Great River Energy to hold the poles during excavation or box or directional drill past our poles. If you choose to have GRE hold poles, you will need to pay an hourly rate for labor and equipment.

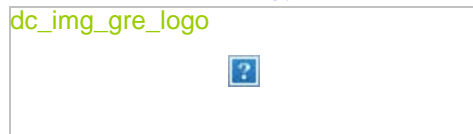
The second concern would be safety working under the high voltage transmission lines. If you do not feel you can excavate safely under the transmission lines, you can request an outage. You will be required to pay an hourly rate for labor and equipment to take the outage if this is needed.

Michelle MacMillan

Great River Energy
Land Rights Department
12300 Elm Creek Boulevard
Maple Grove, MN 55369-4718

Direct: 763-445-5984
Main: 763-445-5000
Fax: 763-445-6784
Cell: 612-845-1204

mmacmillan@GREnergy.com



 *Please consider the environment before you print this e-mail.*

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