# Biosolids Management Study & Plan



## **Beneficial Reuse**



#### Madison Metropolitan Sewerage District COMMISSION POLICY

#### **SECTION 1: OUTCOMES POLICIES**

Category: Outcomes Policy

Title: Wastewater Collection and Treatment

Policy Number: O-2A

Adopted: 09-27-2018 Revised: 10-29-2020

District owners' wastewater is collected and treated in a manner that is consistently safe, reliable, efficient, environmentally responsible and forward thinking.

Category: Outcomes Policy

Title: Resource Conservation and Recovery

Policy Number: O-2B Adopted: 09-28-2018 Revised: 10-29-2020

Natural resources are conserved, recovered and used in an environmentally responsible manner.

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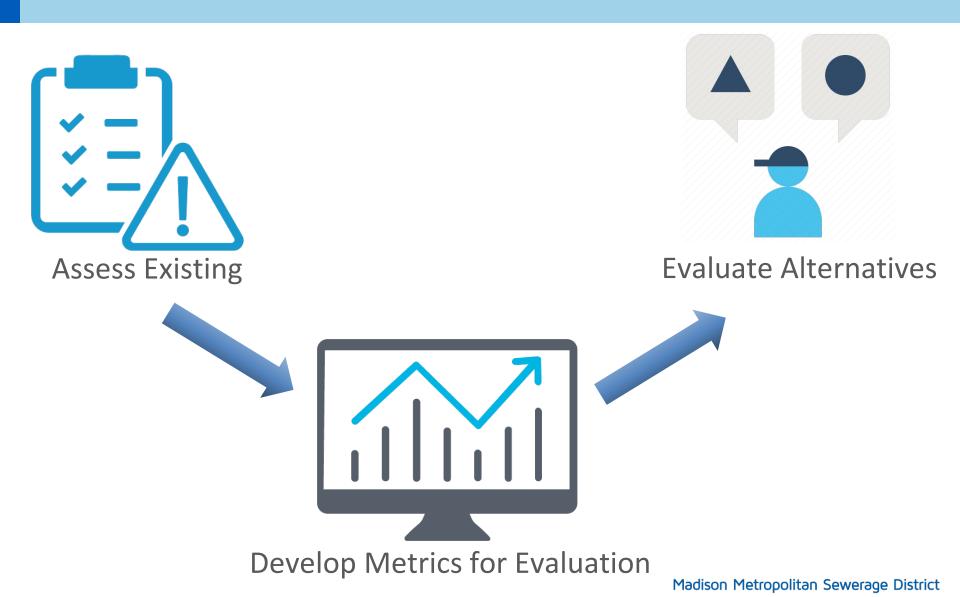
# **Beneficial Reuse**



# **Today's Challenges Create Problems**



#### How to Address the Problem?



## **Questions to Answer**



What products are most desired by our customers?



What products compliment our resource recovery goals?



What technologies are easily integrated into our current processes?

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## Final Result





#### The Answer

#### Class B Cake Program

As the most cost-effective alternative, a
Class B Cake program warrants further
evaluation. If customers will accept the
product, it provides a sustainable path for
MMSD through increased resilience and
environmental benefits through dramatic
volume reduction.

Customers will no longer accept Class B Cake Further Investment in Class B Liquid Program

Continue to invest in the Class B Liquid Program until drivers dictate a change in direction

#### **Enhanced Product Master Plan**

If the market will not accept a Class B cake, a more costly Class A program becomes more viable. A master plan would then be conducted to evaluation the market and environmental drivers to select an enhanced product.

Market
and
Environmental
Drivers dictate a
move to
enhanced
product

#### Class A Program

Move towards a Class A program with one of the enhanced products depending on the specific market and/or regulation that drive the decision



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# Today's Challenges Are Future Opportunities



# **Future Phased Approach**







## **Questions For The Commission**



Is the Commission comfortable with the recommended road map & identified decision points?



Is the District moving at the appropriate pace?



Does the Commission have interests that could be better addressed?



# Thank You Madison Metropolitan Sewerage District