

Saint Paul Port Authority
May 27, 2010 Presentation on Anaerobic Digestion Projects
Resource Recovery Project Board

- The Port Authority is moving forward with two metro A/D projects using municipal organic waste as a feedstock.
- Requests for Proposals (RFPs) have been sent to qualified vendors with responses due in early June. The proposed technologies are widely used in Europe and these vendors have multiple installations of similar projects.
- Permitting requests will be submitted to the Minnesota PCA in June.
- Each facility would process about 50,000 tons (25,000 dry tons) annually of organics and would be located on about five acres adjacent to an industrial facility that would use the energy produced from the project.
- About 75,000 tons annually of separated food waste is needed to supply both A/D projects and about 25,000 tons of other organic waste is already available. We are working with large producers of waste food as well as waste haulers to obtain their organic waste. Hennepin County and Minneapolis have expressed a strong interest in sending the organic waste that they handle to a central A/D project.
- The intent is to have these projects permitted and to have a financing plan in place by the end of the year. Tax-exempt bonding will likely be the primary financing source of funds but grant funds and utility rebates are being pursued.
- Some of the benefits to Ramsey and Washington Counties are:
 - Landfill methane is 20 times more harmful than CO₂.
 - Organics do not burn very well because of the moisture content.
 - Each A/D facility would remove 80,000 tons of carbon annually.
 - All recycling increases when organics are separated.
- How can Ramsey and Washington Counties assist with these projects:
 - Education will be a key factor in the success of separating organics.
 - County staffs have been very helpful and their continued support is needed.
 - To the extent possible, directing organic waste to the A/D facilities.
 - Support for grant requests (LCCMR, etc.).