

≡ Organics Collection in Minneapolis: Assessment of Options

A presentation to the Minneapolis City Council,
Transportation & Public Works Committee
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≡ Study Objectives

- ❖ Identify the most feasible collection options for source separated organics (SSO)
- ❖ Analyze relative costs
- ❖ Assess impacts of state rules
- ❖ Potential next steps

≡ Current Organics Pilot Program

- ❖ Began September 2008
- ❖ Open to 5,370 dwelling units (DUs)
(Five percent of city-wide households = 105,500 DUs)
- ❖ Voluntary “opt in” program with SSO carts
(Average of 46 percent subscription rate)
- ❖ SSO includes food scraps and non-recyclable paper items
- ❖ Current diversion rate of 8.5%



≡≡≡ Five Scenarios

1. No SSO collection
(Dispose of SSO with regular trash)
2. Collect SSO alone
(As per current pilot operations)



≡≡≡ Five Scenarios (continued)

3. Collect SSO commingled with yard waste
(with no *Blue Bag™*)
4. Collect SSO co-collected with yard waste
(with *Blue Bag™*)
5. Collect SSO co-collected with regular trash
(with *Blue Bag™*)



≡≡≡ Key Cost Variables

- ❖ Carts
- ❖ Bags, liners, kitchen buckets
- ❖ Dedicated SSO route vs. collected with yard waste or trash
- ❖ Hennepin County subsidy (SSO tipping fee at Brooklyn Park Transfer Station)



≡ Incremental Cost Estimates

SSO Collection Option

\$ per DU
per month

SSO alone

(with County tip fee subsidy)

\$2.23

SSO within yard waste

(no *Blue Bag*TM)

\$2.52

SSO alone

(without any County tip fee subsidy)

\$2.54

SSO co-collected with yard waste

(SSO within a *Blue Bag*TM)

\$5.12

SSO co-collected with regular trash

(SSO within a *Blue Bag*TM)

\$7.76



Incremental GHG* Estimates

SSO Collection Option	Increased MTCO _{2e} **
SSO alone	288
SSO with yard waste	15
SSO co-collected with regular trash	33

* GHG = Greenhouse Gas

** MTCO_{2e} = metric tonnes of carbon dioxide equivalents

External Policies & Regulations

- ❖ MN Department of Agriculture:
 - ▶ Emerald Ash Borer (EAB) regs



- ❖ MN Pollution Control Agency:
 - ▶ Goals for SSO recovery
 - ▶ New SSO composting rule (pending)

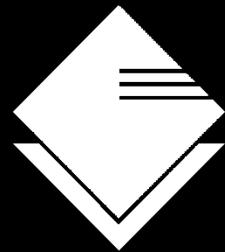


≡ Potential Next Steps

1. Discuss with current contractors providing yard waste composting service their ability to handle commingled SSO with yard waste
2. Pilot the best value option: SSO commingled with yard waste

≡ **Potential Next Steps** (continued)

3. Monitor any changes or updates to state rules:
 - ❖ Minnesota Department of Agriculture
 - ❖ Minnesota Pollution Control Agency



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