Waste Commission of Scott County

- Formed in 1972 by an intergovernmental agreement
- Comprised of six Commissioners representing public entities in County
- Mission - Provide environmentally sound and economically viable integrated waste management services
- Fully funded by user fees paid at our facilities and revenue from recycled commodities
Environmental Management
Health and Safety System

♦ Policy prioritizes the Commission’s commitment to the environment and health and safety
♦ Employee Culture
♦ Lean implementation
♦ Makes us safer and saves money
<table>
<thead>
<tr>
<th>Policy Period - Fiscal Year</th>
<th>14-15</th>
<th>15-16</th>
<th>16-17</th>
<th>17-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Payroll (millions)</td>
<td>$1.686</td>
<td>$1.829</td>
<td>$2.223</td>
<td>$2.714</td>
</tr>
<tr>
<td>Experience Modification Factor</td>
<td>.83</td>
<td>.78</td>
<td>.76</td>
<td>.76</td>
</tr>
<tr>
<td>Loss Experience Credit</td>
<td>15%</td>
<td>19%</td>
<td>20%</td>
<td>22%</td>
</tr>
<tr>
<td>Large Premium Credit</td>
<td>14%</td>
<td>14%</td>
<td>14%</td>
<td>14%</td>
</tr>
</tbody>
</table>

FY 17-18 Total Discounts from Pure Premium: $ 91,067
Fiscal Year 17-18 Premium: $ 58,865
Scott Area Landfill

- 180,000 tpy
- Capacity - 2075
- End Use - Public Park
- Opened 1996
- Diversion programs:
  - Asphalt Shingles,
  - Bicycles, Tires,
  - Automotive Fluids,
  - Appliance Demanufacturing,
  - Habitat ReStore, Drop-off Recycling,
  - Electronics
Scott Area Landfill

- **Master Plan**
  - Completed in 2015
  - Goal to meld daily operational efficiencies with what the site will be in 60 years
  - Lays the ground work for all of our operations including:
    - cell construction
    - gas system expansion
    - fill sequencing
    - soil hauling
    - educational areas
Scott Area Landfill

- Next Tier Permit Program
  - Alternative, self-regulating permit
  - Only landfill in Iowa
  - DNR selected us due to history of environmental compliance
- ET Cap
  - Next Tier development
  - Soil cover system verses plastic liner
  - Savings of over $750,000
  - Allowed design change of final slopes increasing site life for 20 additional years thru 2075
Scott Area Landfill

- Cell 8 - 8.8 acres - construction will begin in April 2020 - typically constructing every 3-5 years
Household Hazardous Material Facility

- HHM program initiated in 1996
- Opened new HHM Facility in August, 2016 at Recycling Center
- Eliminated appointments
- Serves households, businesses (VSQGs)
- Accepts Household Hazardous Material, sharps, florescent tubes, batteries, automotive fluids
Household Hazardous Material Facility

HHM Residents Served by Month
Household Hazardous Material Facility

- Manages approximately 783,000 pounds of material a year.
- Of that over 463,000 pounds is latex paint

**JUST CAN IT!**

THROW OUT YOUR CAN!

Follow the "paint by numbers" below and toss the latex cans into your trash. Easy as 1, 2, 3.

1. **TAKE OFF THE LID**
2. **LET IT DRY OUT**
3. **THROW IT AWAY**

Waste Commission of Scott County
wastecom.com
Electronic Demanufacturing and Reuse Facility

- Opened in 2005
- Certifications: R2:2013 (only public facility worldwide)
- ISO:14001
- OSHAS:18001
Electronic Demanufacturing and Reuse Facility

Electronic Demanufacturing Facility
Pounds Recycled Per Year
Electronic Demanufacturing and Reuse Facility

Reuse Sales

- 2015
- 2016
- 2017
- 2018 thru Sept
Communication Program

- Tours and Presentations have been provided to 6,560 youth and adults since single stream began
Communication Program

- Keep America Beautiful Affiliate - since 2005
Communication Program

- Community Clean-ups
  - Over 218 in the past 4 years
Communication Programs

- Event Recycling
  - Used at over 113 events and festivals in the past 3 years
Xstream Cleanup Program Expansion

• Working on new website:
  • allows partners to schedule events
  • Volunteers to sign up
  • Makes reporting easy

• Adding snapshot water sampling

• Highlights communities commitment to volunteerism and the environment
Scott Area Recycling Center

- Opened in 1995
- In 2015 processed 7,000 tons per year
- Partnership with Republic - Scott County communities recyclables
- Partnership with Midland-Davis - Moline and others provided enough tonnage to move to single stream
Single Stream Recycling Program

- Converted to Single Stream in 2016
- CP single stream sorting system
- 10 tons per hour; currently operating 2 shifts

Comingle Sort Line
Scott Area Recycling Center
Single Stream Recycling Program

• FIRST YEAR SUCCESS

• Developed a multi-medium single stream education campaign including TV, radio, direct mail, & digital advertising

• Overall residential participation rose from 60% to 82% -- Recycling tonnage increased 250%

• Looking at optical sorter to separate PETE and 3D fiber

WE’RE ON A ROLL

250% INCREASE IN RECYCLING TONNAGE

In just one year single stream recycling has helped Scott County save the equivalent of:

- 23,000 barrels of oil
- 203,000 trees
- 47.6 million kwh of electricity
- 83.7 million gallons of water

AND we added a total of 19 new jobs!
Single Stream Recycling Program

SECOND ANNIVERSARY
• Tonnage continues to grow
• Recycling tonnage increased 343%
• Participation exceeds 80% in Davenport and Bettendorf
• Optical being installed in November to maximize tonnage and decrease labor costs

Scott Area Recycling Center

![Graph showing recycling tonnage growth from 2016 to 2018](image-url)
China’s Waste Import Restrictions

- July 2017 - China announces proposed ban on mixed paper and some plastics and a restriction on contamination from 5% to 0.3% beginning in 2018
- US was exporting about 33% of these products to China
- Created an over-supply in the US resulting in price declines
- August 2018 - China adds 25% tariff to scrap and recyclables responding to US tariffs
Current Recycling Status

• NOT A CRISIS - Market correction

• Recycling is a valuable service that creates jobs and saves landfill space and natural resources

• Industry collaboration to reduce contamination

• Educate residents to Recycle Right
Single Stream Recycling Program

Value to Bettendorf and Davenport

• Diverted MRF Fees
  • Bettendorf $ 65,087
  • Davenport $ 97,957

• Diverted Landfill Fees
  • Bettendorf $ 41,763
  • Davenport $ 146,459

• Revenue Share
  • Bettendorf $ 43,772
  • Davenport $ 88,731

• Saved trips to the landfill 2,324
## Market Revenue History

<table>
<thead>
<tr>
<th></th>
<th>Sep-16</th>
<th>Sep-17</th>
<th>Sep-18</th>
<th>Oct-18</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mixed Paper</td>
<td>$ 75.00</td>
<td>$ 70.00</td>
<td>$ 2.25</td>
<td>$ 7.25</td>
</tr>
<tr>
<td>OCC - Cardboard</td>
<td>$ 105.50</td>
<td>$ 155.50</td>
<td>$ 70.50</td>
<td>$ 70.50</td>
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<tr>
<td>HDPE Natural</td>
<td>$ 550.00</td>
<td>$ 654.00</td>
<td>$ 838.30</td>
<td>$ 841.00</td>
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<tr>
<td>HDPE Colored</td>
<td>$ 380.00</td>
<td>$ 344.00</td>
<td>$ 350.00</td>
<td>$ 360.00</td>
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<tr>
<td>PET</td>
<td>$ 175.00</td>
<td>$ 300.00</td>
<td>$ 345.00</td>
<td>$ 360.20</td>
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<tr>
<td>Tin</td>
<td>$ 121.43</td>
<td>$ 179.22</td>
<td>$ 188.17</td>
<td>$ 197.10</td>
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<tr>
<td>Aluminum</td>
<td>$ 1,190.00</td>
<td>$ 1,240.00</td>
<td>$ 1,390.00</td>
<td>$ 1,200.00</td>
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<tr>
<td>Mixed Plastics</td>
<td>$ 10.00</td>
<td>$ -</td>
<td>$ -</td>
<td>$ -</td>
</tr>
<tr>
<td>Glass</td>
<td>$ (25.00)</td>
<td>$ (15.00)</td>
<td>$ (15.00)</td>
<td>$ (15.00)</td>
</tr>
</tbody>
</table>
Single Stream Recycling Program

- 114,348,282 Kilowatts of electricity saved
- 202,457,955 Gallons of water saved
- 491,684 Trees saved
- 286,118 Barrels of oil saved
- 31 Full time jobs created
- 1.6 Million pounds of greenhouse gas kept out of the atmosphere
Recycle Right

RECYCLING ONLY

- glass bottles & jars
- plastic bottles & jugs
- paper & cardboard
- aluminum & steel cans
- empty & rinse containers
- flatten all boxes
- no trash, yard waste, or plastic bags

for more information visit goallinqc.org
Questions

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563-381-1300