2018 Request For Expressions of Interest Solid Waste Management

October 2018 Update
Information

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Overview

- Background
- RFEI Process
- Evaluation
- Results
- Next Steps
- National Sword &
- curbside recycling

Background

- Staying current with new technology/options
- Exploring next-level approaches for more diversion
- Improve system resiliency & diversity

RFEI Process

- Issued January 2018
- National call for interested partners/processes
- Five general technology types:
  - ✓ Waste Conversion
  - ✓ Sustainable Roads
  - ✓ Organics/Composting
  - ✓ Ash Processing
  - ✓ Diversion/Reuse

Evaluation

- Approx. 20 criteria considered, including:

  - ➢Risk
  - ➢Capital Demands
  - ➢Anticipated Outputs
  - ➢Demonstrated Track-record
  - ➢Required County Investment/Commitment

Results

- Options fall into two categories:

1. Waste Conversion (large scale)

2. Other submissions (small scale): waste diversion, organics, waste processing, etc.

   *   No submissions received regarding CDD recycling

Sustainable Road Project

Two blends are being used:
40% Ash   60% Glass
25% Ash   75% Recycled Concrete

Estimated total tonnage for the project:
400-500 tons

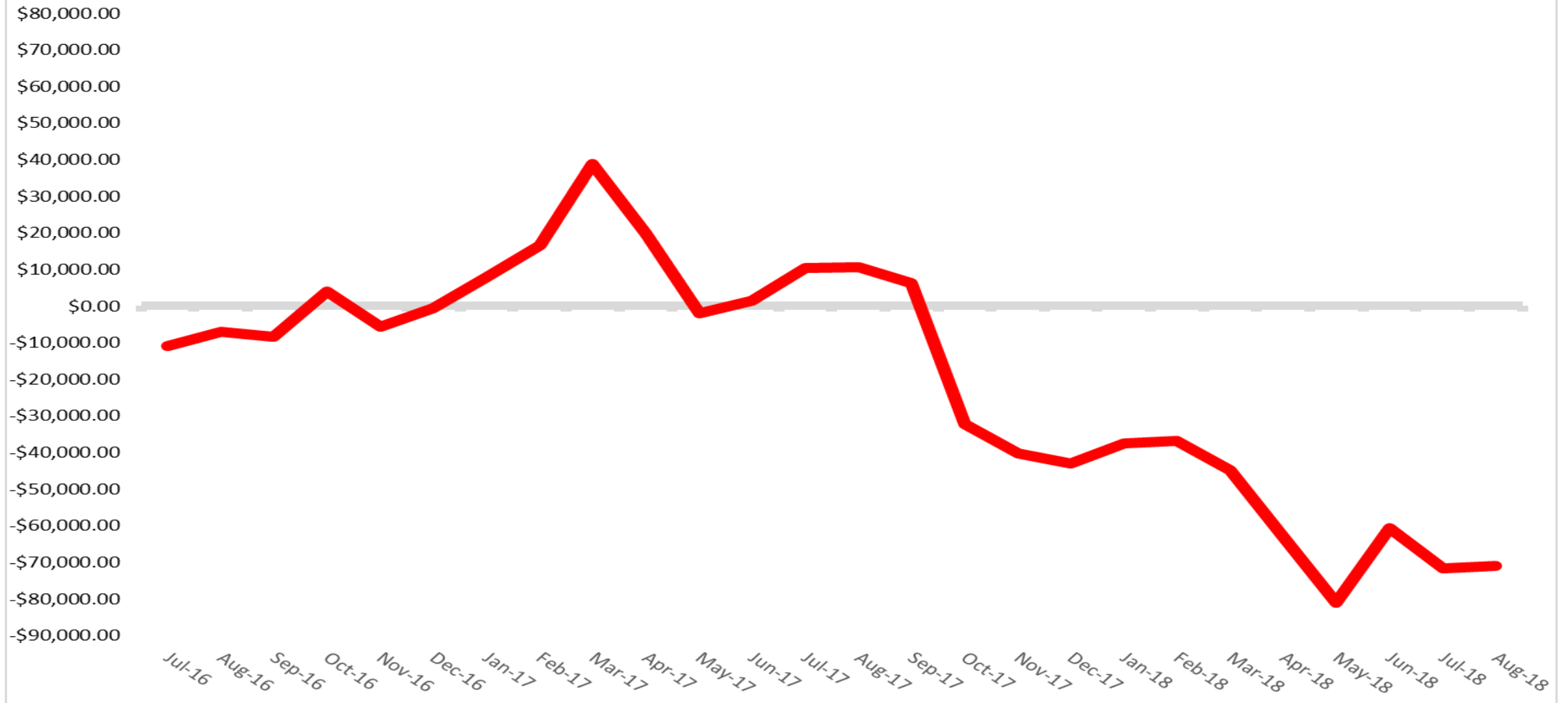# Organic Composting Pilot

Metal Recovery from Ash

Next Steps

✓ Further research on waste conversion options as needed (Consultant to provide an executive study of the waste conversion submissions)

✓ Organics/Composting (pilot already underway)

✓ Diversion/Reuse (part of I-66 Transfer Station upgrades)

✓ Ash Processing (working with DPMM)

UPDATE: CHINA'S NATIONAL SWORD

National Sword – How It Affects Fairfax

- Background – why China is changing the rules?
- It's a global problem – affects recycling markets everywhere
- Main issues are contamination and potential tariffs
- Increased public awareness/education on contamination
- Closely monitoring market conditions and forecasts

SOLID WASTE CURBSIDE RECYCLING
COST
FY2017-FY2019

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