



Solid Waste Updates

- Recyclable Materials Processing
- Ordinance - Chapter 106
- Waste-to-Energy Power Brokering
- Waste-to-Energy Operator Procurement

Paul Sacco, Director
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Recyclable Materials Processing

1. **Pinellas County recycling facts**
2. **Current state of single-family residential recycling**
3. **County owned MRF vs. Countywide processing contract**
4. **Staff recommendation**



Recyclable Materials Processing

1. Pinellas County Residential Recycling Facts

- Estimated 60-65K total annual recycled tons generated countywide (1/3 unincorporated, 1/3 City of St. Petersburg, and 1/3 remaining cities).
- Average Materials Recycling Facility (MRF) processing cost: \$150/ton
- Average Market Value (AMV) of recycled materials: \$60/ton.
- Landfill life would be reduced from 80 to 55 years if recycling programs are abandoned.

Recyclable Materials Processing

2. Current State of Single-Family Residential Recycling

- Municipalities have mandatory curbside recycling, some also offer recycling drop-off sites
- Recycling is voluntary in the unincorporated areas with private haulers and/or drop-off sites.
- More than 70% of unincorporated area residents recycle.
- All recyclables are processed at one of five regional MRFs.

Recyclable Materials Processing

3a. Municipally Owned MRF

- **Pinellas MRF:** \$26.7M in capital to construct, \$105/ton to process
- **Hillsborough MRF:** \$7M in capital to construct transfer station, \$128/ton to process

3b. Countywide Processing Contract

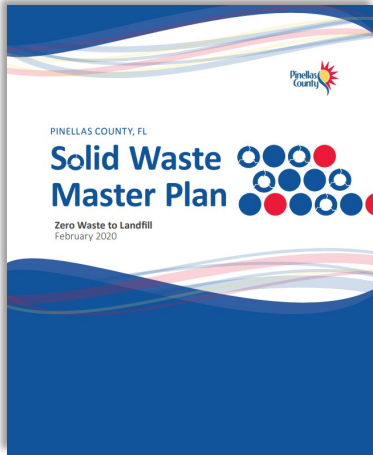
- **City of St. Petersburg** not interested in countywide contract
- **Only one existing regional MRF Processor** interested

Recyclable Materials Processing

4. Staff Recommendation

- Cease Countywide MRF and contract efforts and maintain status quo
- Cease any efforts to mandate residential recycling in unincorporated areas.
- Continue Countywide efforts to standardize recyclable materials.
- Technical Management Committee (TMC) and City Managers supports this recommendation.

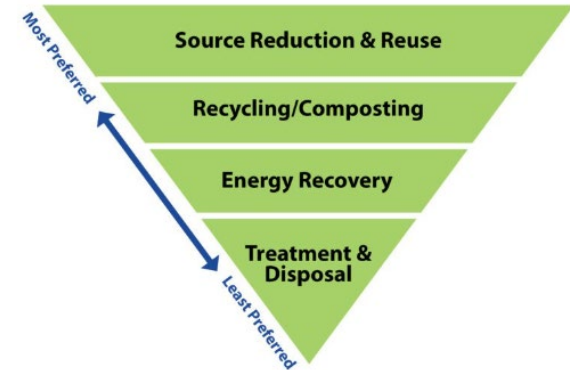
Solid Waste Ordinance – Chapter 106



pinellas.gov/solid-waste-master-plan

Desired Outcomes

- Support vision of zero waste to landfill by 2050
- Ordinance layout to follow E.P.A.'s Waste Management Hierarchy
- Lessons learned from staff research.
- Focus on waste reduction and recycling programs
- Remove duplicate and outdated information



Solid Waste Ordinance – Chapter 106

1. Recommended Revisions:

- Private hauler licensing requirements
- Clarify TMC responsibilities

2. Not Recommended Revisions:

- Mandatory single-family residential recycling in the unincorporated areas
- Commercial/institutional/government food waste collection and processing

3. Next Steps

- Incorporate Board direction
- Stakeholder engagement and subsequent revisions
- Legal review and final draft
- Public hearings and Board consideration Feb/Mar 2025

- Get updates at pinellas.gov/swordinance



Waste-to-Energy (WTE) Facility Operator Procurement

1. Current contract extension with Covanta (Reworld)
2. Planned solicitation process and schedule for a WTE Facility operator



Current contract extension with Covanta (Reworld)

1. Current contract expires December 31, 2024.
2. Contract extension to continue WTE operations until new procurement process is complete.
3. Contract extension to the Board for consideration in September.
4. Term: 6-months with two 3-month options
5. Rate: \$38.00/ton with annual increases, but not to exceed \$40.00/ton.

Solicitation Process and Schedule for a WTE Facility Operator

1. Two-phase solicitation

- Phase 1: RFQ where firms shortlisted based on qualifications only
- Phase 2: RFP for shortlisted firms: proposals, negotiations, and recommendation.

2. Schedule

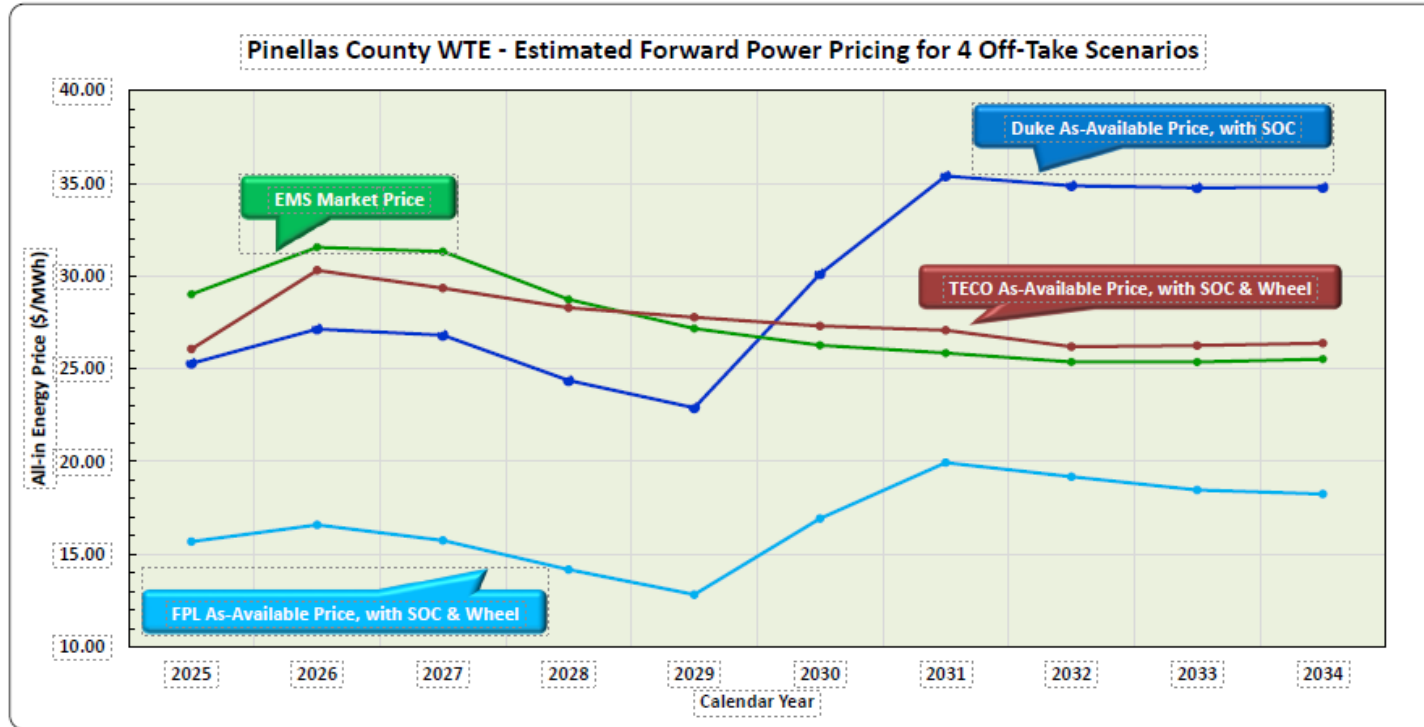
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|------------------------|-------------------------|
| • Phase 1: RFQ Process | September-December 2024 |
| • Phase 2: RFP Process | January-June 2025 |
| • New contract award: | August 2025 |
| • Mobilization: | September 2025 |
| • Transition: | October-December 2025 |

WTE Facility Power Brokering

1. Existing markets and rates
2. Power purchase agreement offer
3. Power brokering services



Existing Markets and Rates



Power Purchase Agreement Offer

Constellation Energy (CEG) for Southern Georgia

- **Capacity: rights to first 40MW generated**
- **Term: 5-years**
- **Rate: \$42.39/MWh**
- **CEG responsible for all transmission fees**
- **County to maintain 90% capacity factor or rate reduced on a pro-rated basis.**



Power Brokering Services

1. **Services needed to broker 20-30 MW of power on a real-time basis.**
2. **Purchasing has confirmed that Pinellas can piggy-back Lee County contract**
3. **Fee is 10% of revenue above what could be sold directly to Duke Energy**
4. **Contract start date would be January 1, 2025**
5. **Agreement to come before the Board for consideration in September or October.**
6. **Monthly revenue reconciliation will be performed by County's third-party energy engineer, staff, and Clerk's Finance**

