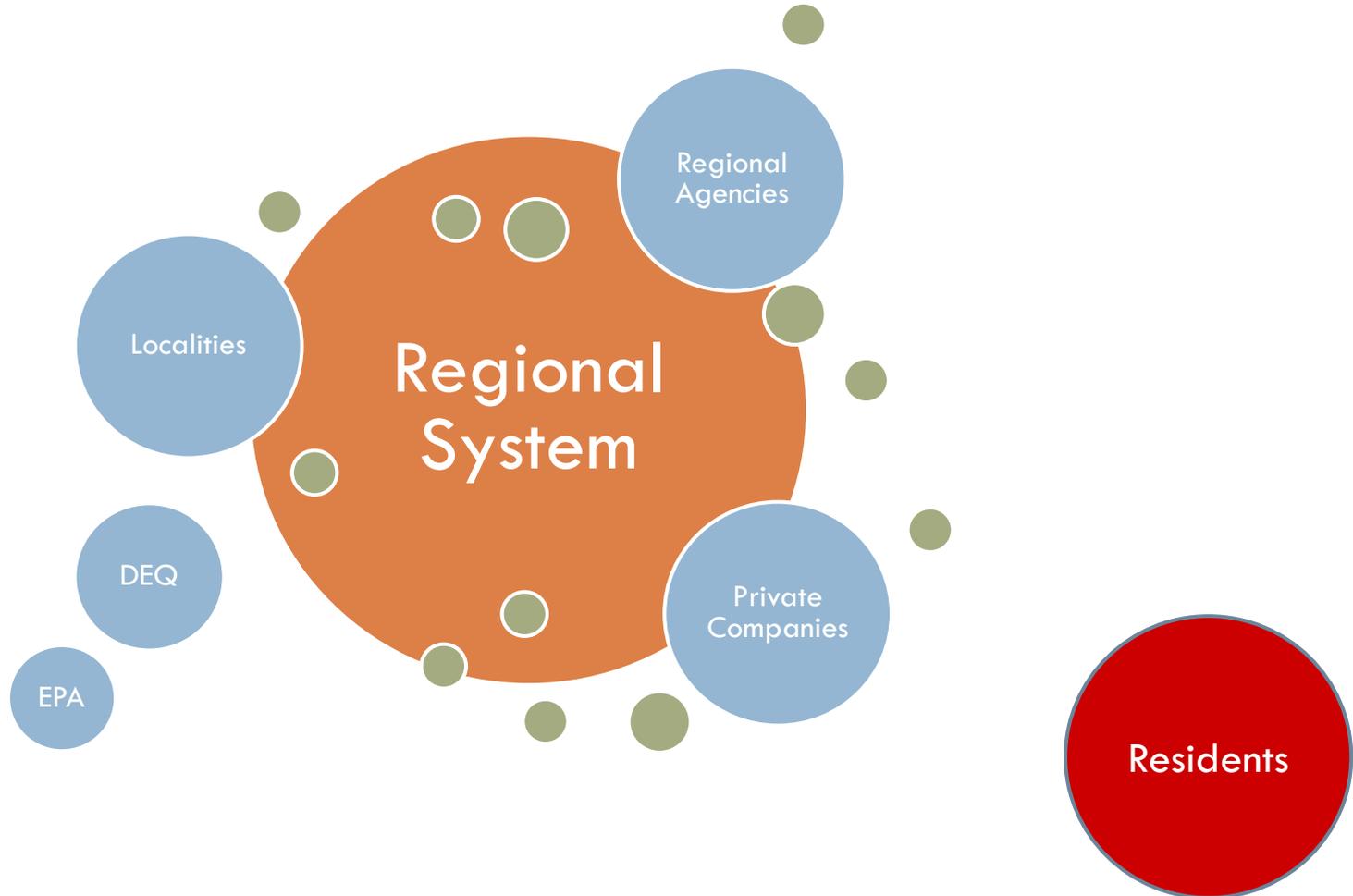




REGIONAL SOLID WASTE MANAGEMENT SYSTEM

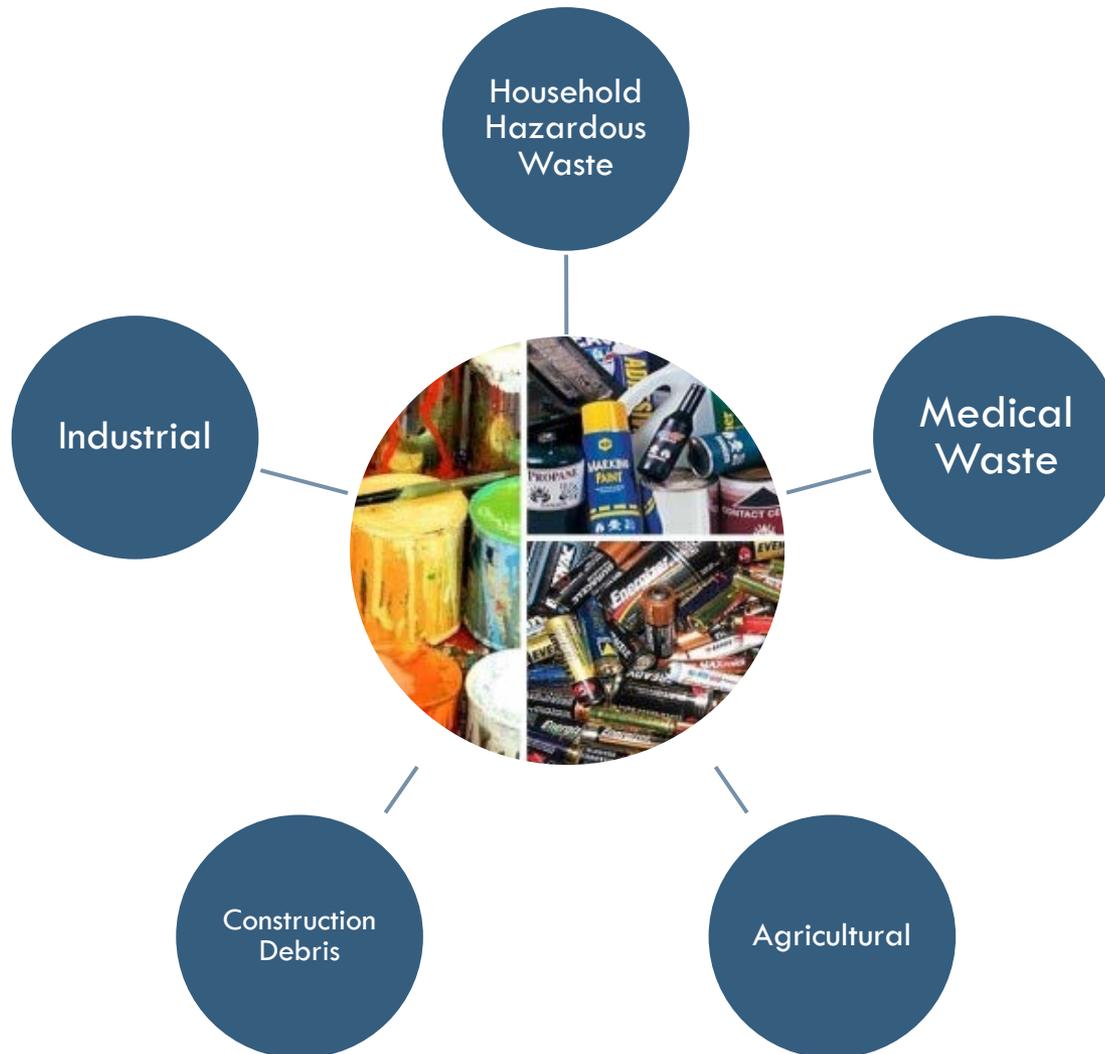
Regional SWM System



Solid Waste - MSW



Other Types of Waste



Facilities: Transfer Stations



Facilities: MRFs



Facilities: Waste-To-Energy

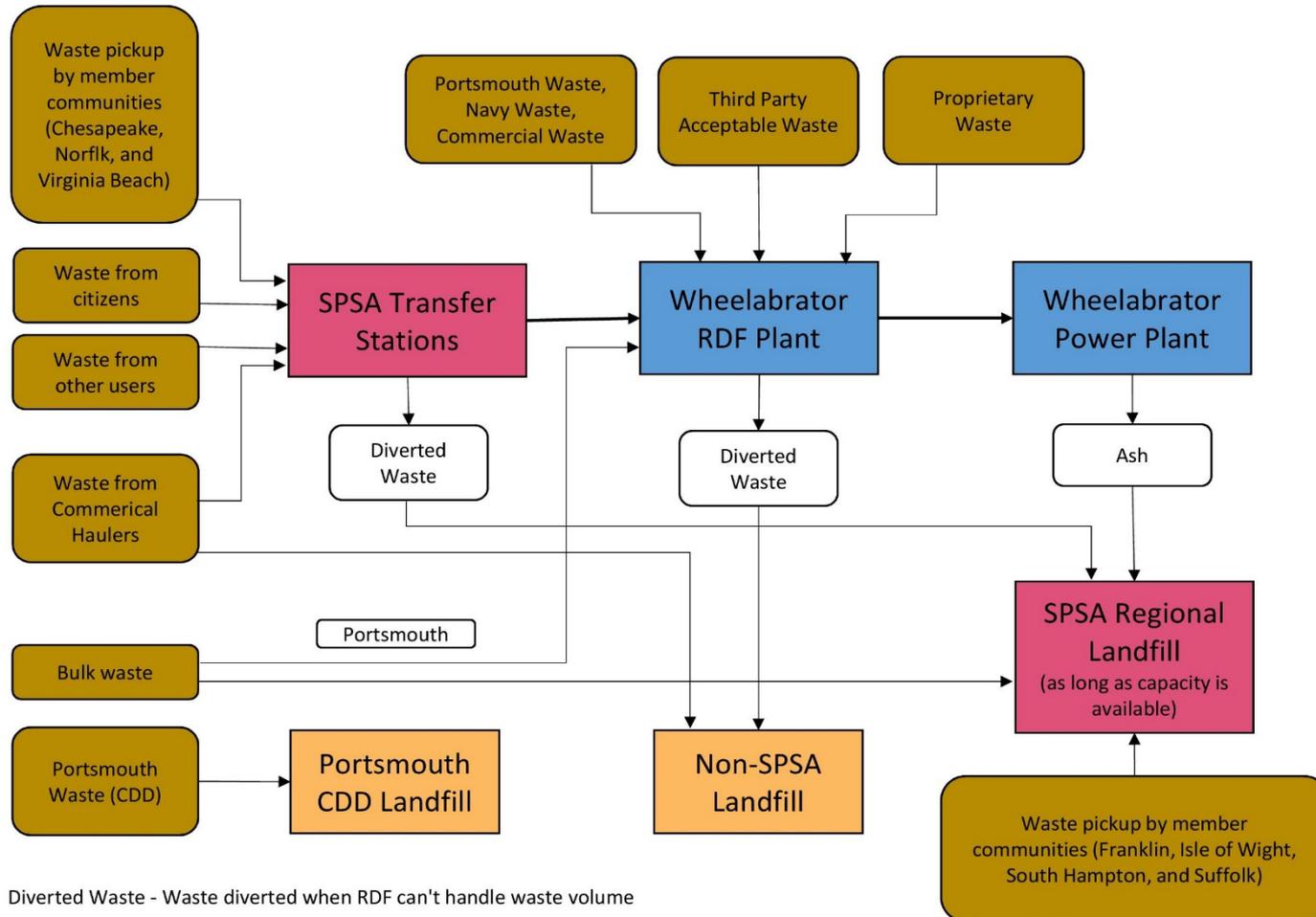


Facilities - Landfills



Southeastern Public Service Authority
Suffolk, Virginia

MSW Flow



Key Data



- **4.575 lbs/person/day** (per capita MSW generation)
- **1,443,600 tons/year** (regional MSW generation)
- **30% - 40%** (typical recycling rate for regional SWPUs)
- **22 years** (SPSA regional landfill estimated permitted lifespan)
- **74 years** (Bethel landfill estimated permitted lifespan)
- **\$57/ton** (SPSA “tipping fee”)

SWM Regulations

- Standards for developing and maintaining plans
- Public participation
- New SWM facilities:
 - ▣ Justification of need
 - ▣ Reviewed for consistency with plan
- Minimum recycling rate

SWM Planning



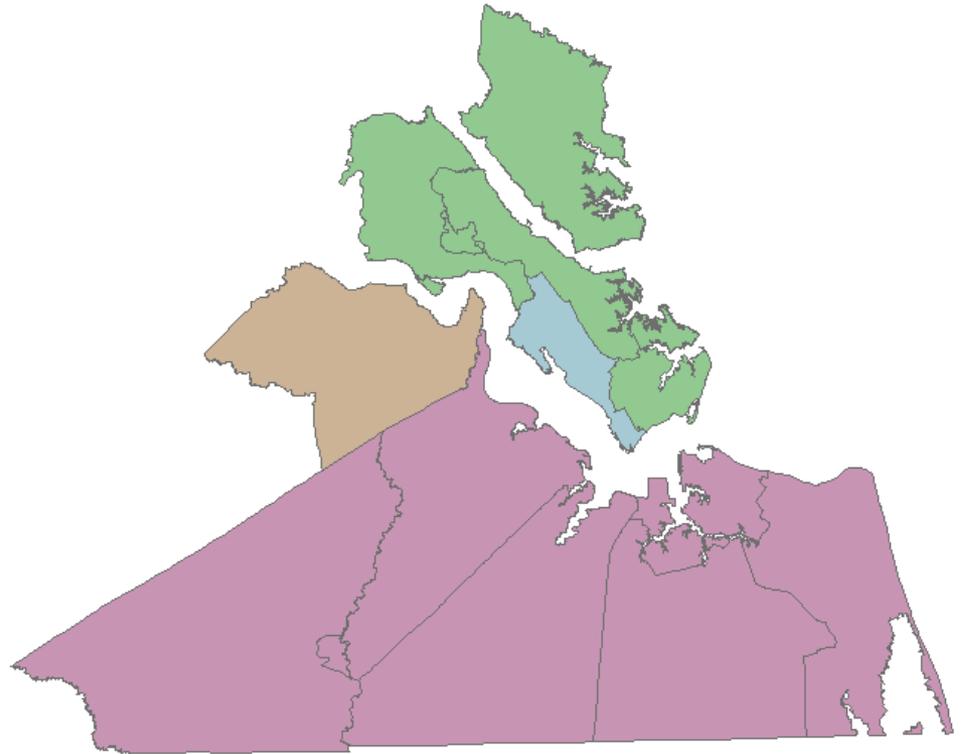
- State law allows localities to plan regionally as a Solid Waste Planning Unit (SWPU)
- HRPDC is responsible for solid waste management planning for southside localities
- Service authorities and localities are largely responsible for solid waste management operations

Jurisdictional Landscape

- Hampton Roads
 - ▣ 2 PDCs
 - ▣ 18 localities
 - ▣ All or portions of 4 SWPUs
 - ▣ 3 solid waste authorities

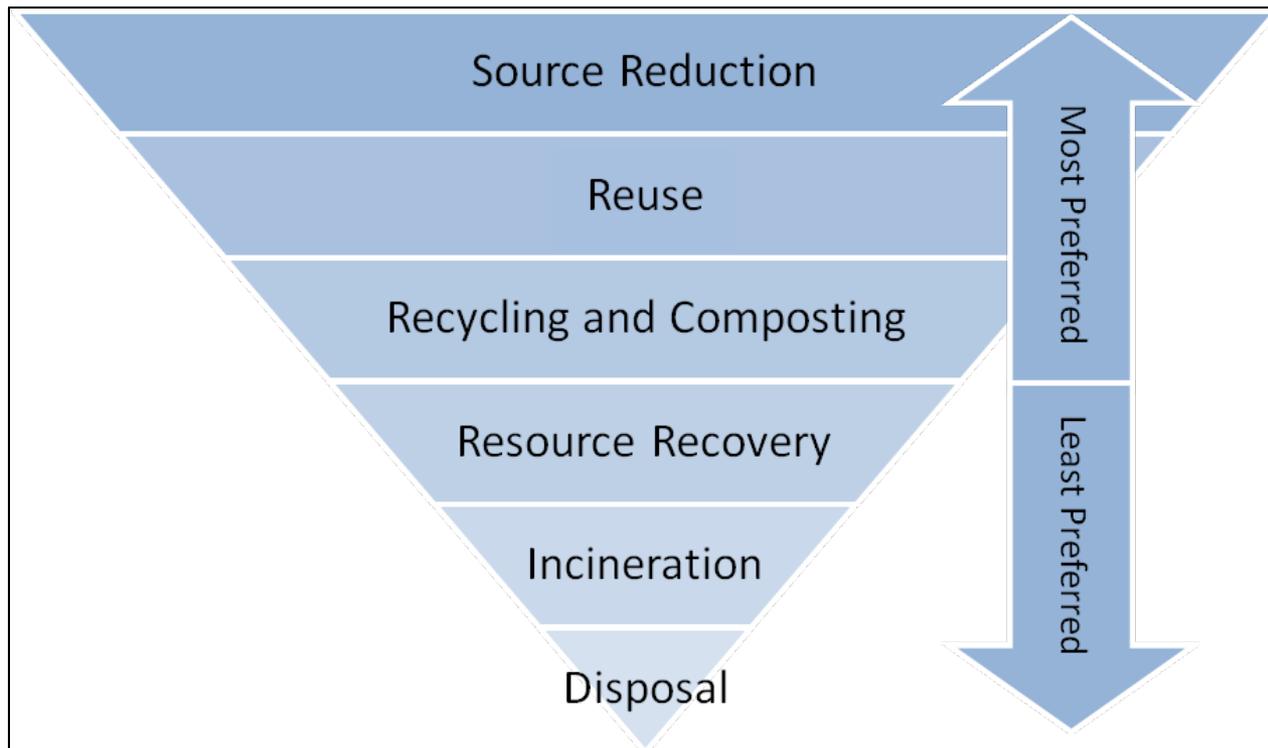
- Southeastern VA SWPU
 - ▣ 8 localities
 - ▣ 1 solid waste authority
 - ▣ Portion of PDC

- System, political, and operational boundaries do not match



Plan Purpose

- Provide for environmentally sound solid waste management with the most effective and efficient use of available resources



Planning Elements



- Existing regional conditions
- Waste generation projections based on population and economic trends
- Assessment of regional capacity to handle waste
- Strategies to address needs of the system

Recycling Requirements

- Planning began as a way to meet recycling goals
- Region must recycle 25% of MSW
 - ▣ Local programs
 - ▣ Private haulers/processors
 - ▣ Resident education
 - Clean city commissions
 - [askHRgreen](#)
- HRPDC collects data to report recycling rate to DEQ

Plan Goals

- Establish strategies as high on the SWM hierarchy as possible
 - ▣ Priorities / Policy / Politics
 - Local boards and councils
 - Regional boards
 - State government

Plan Goals



- Develop and maintain a cost-effective, environmentally sound, and resource efficient SWM program
 - Policy / Operations
 - Public works departments
 - Haulers and processors
 - Boards and administrators

Plan Goals

- Encourage an ethic of resource conservation and waste minimization among residents
 - Education
 - [askHRgreen](#)
 - Ex. – Choose to Refuse campaign
 - Clean City Commissions
 - Interest groups
 - Residents



Key Takeaways

- Complex system
- Multiple stakeholders
 - ▣ Diverse goals
 - ▣ Can be in conflict
- Need to identify opportunities to align interests of operational and policy stakeholders
- Many solid waste management problems require regional solutions