

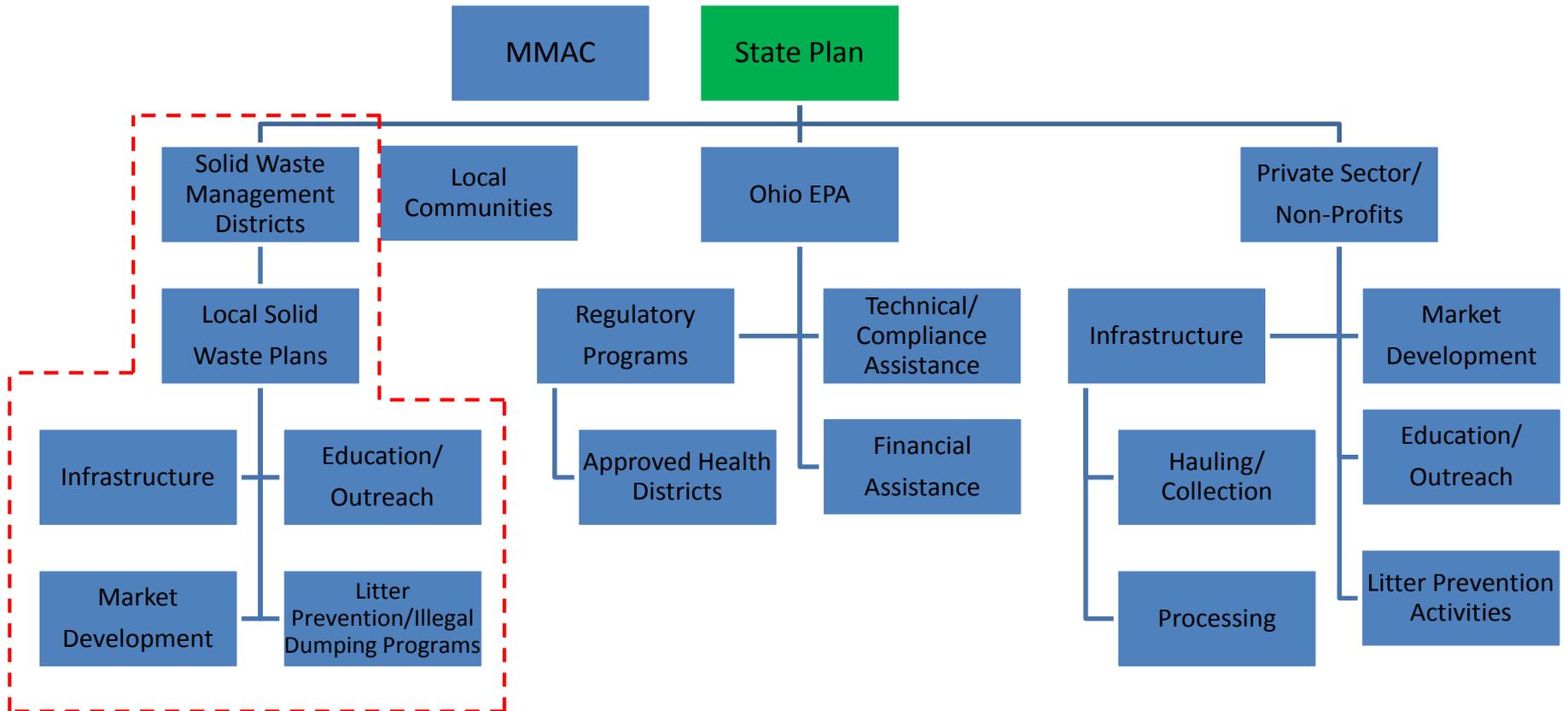
Waste and Recycling Planning in Ohio

Prepared for the Ohio Materials Management
Advisory Council

June 16, 2016



Local Plans As Part of the System



State & Local Solid Waste Planning

Establishes
Statewide Waste
Diversion Goals

- State Solid Waste Management Plan

Demonstrates How
they will Meet the
State Goals

- SWMD Solid Waste Management Plans

Often Implement
Programs to Meet
Goals

- Private Sector, Local Governments & Communities

Why is there a solid waste planning process?

Response to state and national concerns about negative impacts of waste management practices.

Solid Waste Planning in Ohio

History

Waste Management Concerns in the 1980s

- Landfill Issues
 - Groundwater impacts, methane migration, inappropriate locations
- Out-of-State Waste
 - Rapid increases into Ohio
- Capacity Concerns
 - Estimated less than 5 years left in Ohio
- Involvement of Organized Crime
- Lack of long-term focus or planning

Famous Garbage Barge



Journey of the Mobro 4000

Solid Waste Planning in Ohio

HB 592

1988 State Legislature Passed H.B. 592

Comprehensive Solid Waste Law

- Modernized the Landfill Program
- Established a State and Local Solid Waste Planning Program

- Overall Objective to

**Reduce Reliance on the use of Landfills
for Management of Solid Wastes**



Solid Waste Planning in Ohio

HB 592

Required all counties to form Solid Waste Management Districts

Required all SWMDs to go through a process of developing Solid Waste Management Plans

Requires Ohio EPA to review and approve the Plans

State & Local Solid Waste Planning

Establishes
Statewide Waste
Diversion Goals

- State Solid Waste Management Plan

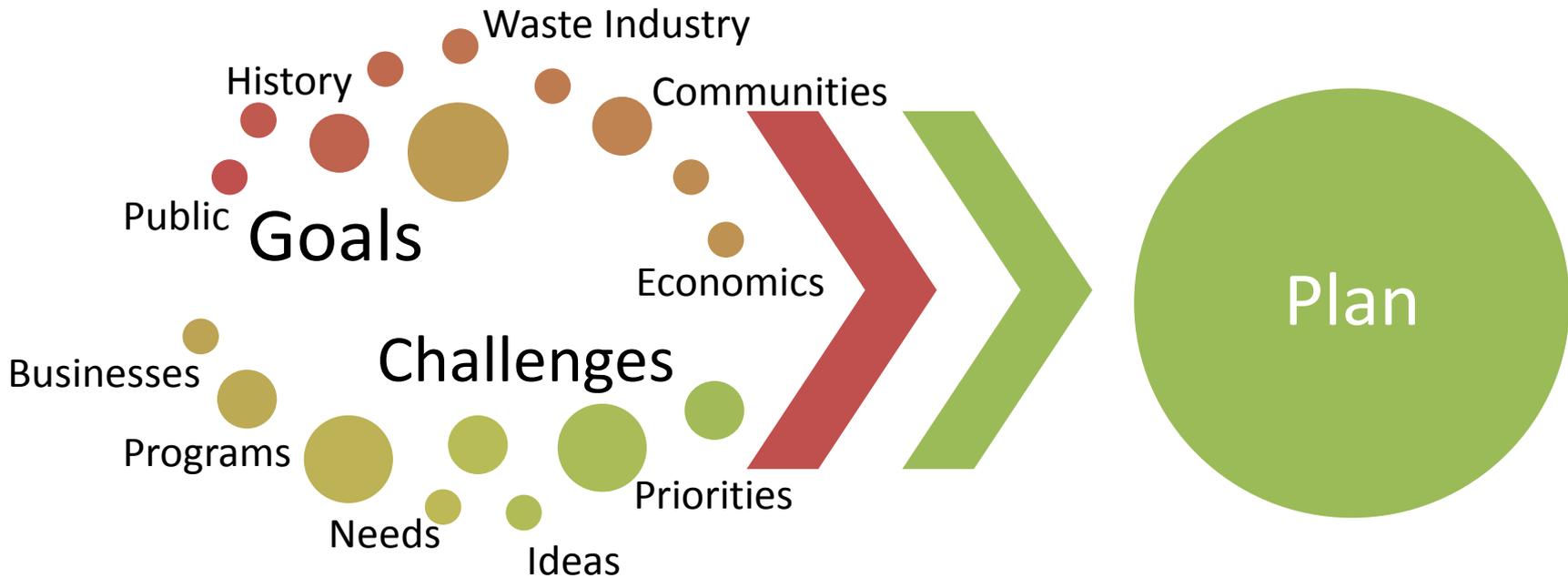
Demonstrates How
they will Meet the
State Goals

- SWMD Solid Waste Management Plans

Often Implement
Programs to Meet
Goals

- Private Sector, Local Governments & Communities

Solid Waste Planning is a Process



What is the Plan?



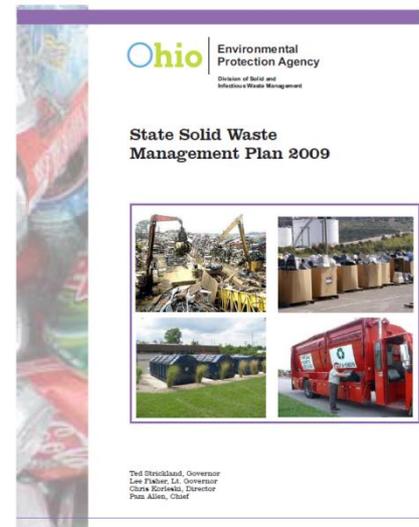
- The Plan is the **guiding document** for solid waste management activities in the District.
- Formally adopted and approved by local communities and Ohio EPA.
- Includes data, programming, finances and authorities. All major programs and decisions are included in the plan.
- Development and implementation of the Plan is the primary purpose of the SWMD.

What is included in a Plan?

Reference Year Disposal & Recycling Data
Reference Year Programming Descriptions and Evaluation
Projections for population and waste generation
Programs the SWMD will implement during the planning period.
Demonstration of access to disposal capacity
Demonstration of meeting the State Goals
Demonstration of financial ability to implement the Plan
Authorizations to adopt rules and authorities

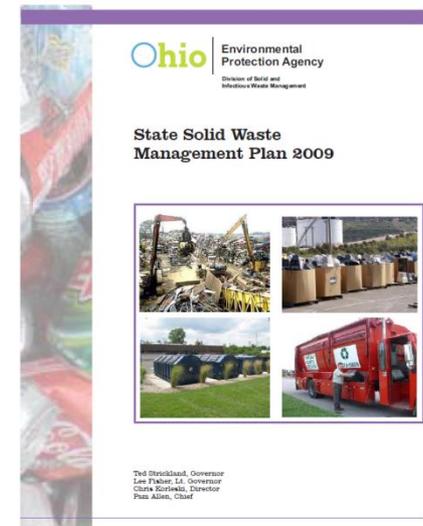
State Solid Waste Management Goals

1. **ACCESS:** Demonstrate access to infrastructure for at least 90% of the SWMD's population.
2. **RATES:** Demonstrate recycling rates of 25%+ for residential/commercial and 66%+ for industrial.
3. **EDUCATION:** Minimum requirements – website, inventory of infrastructure, comprehensive resource guide, presentation/speaker.
4. **EDUCATION:** Outreach Plan including target audiences, priorities and best practices.
5. **RESTRICTED (SPECIAL) WASTES:** Provide strategies for scrap tires, yard waste, lead-acid batteries, household hazardous waste, and electronics.

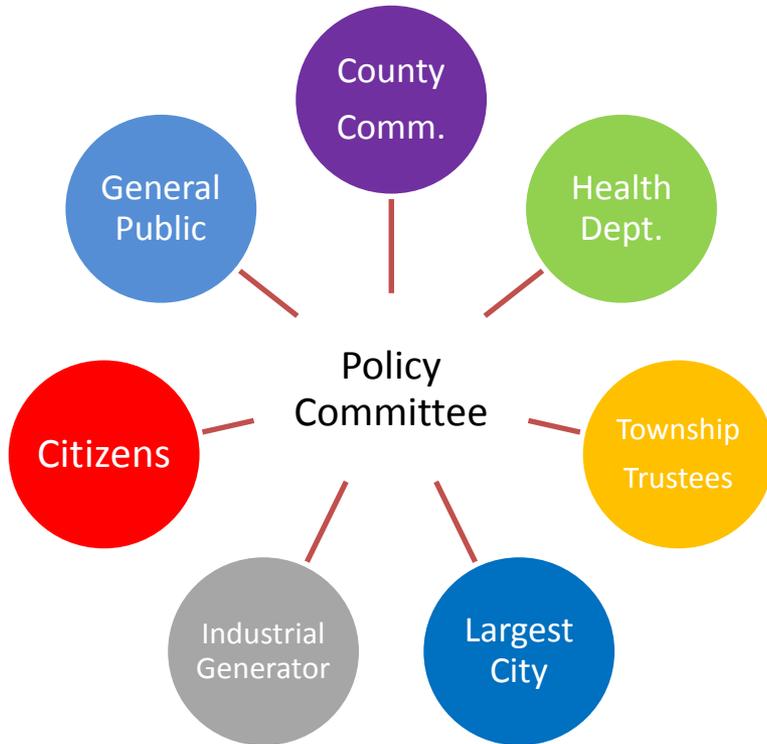


State Solid Waste Management Goals

6. **ECONOMIC INCENTIVES:** Explore programs to incentivize source reduction and recycling programs.
7. **MEASURE GREENHOUSE GAS REDUCTION:** Use US EPA's WARM model to determine impact of recycling programs on greenhouse gases.
8. **MARKET DEVELOPMENT (optional):** Develop programs to foster the development of end uses for recycling commodities and the use of recycled products.
9. **REPORTING:** Provide annual report to Ohio EPA.

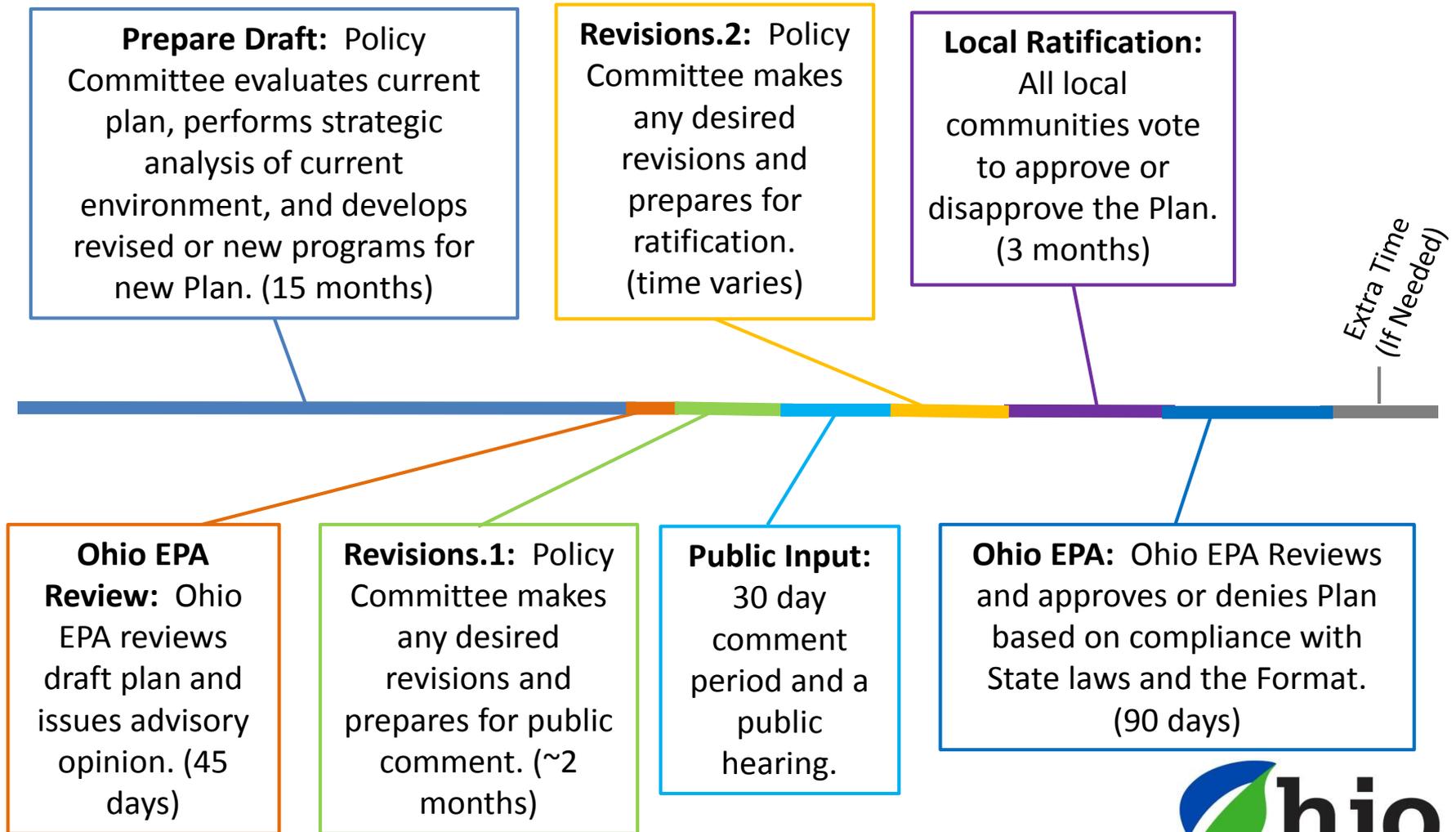


The Policy Committee



- Designed to serve as a cross-section of stakeholders from both public & private sectors as well as residents.
- Oversees the planning process from development to approval.
- Reviews implementation of the plan upon adoption.

The Process



Implementing the Plan



- Upon approval, Policy Committee's main job is complete. It now must review implementation to ensure it is carried out.
- The SWMD must implement all programs in the Plan as written with no significant deviations.
- Should the SWMD desire to deviate from the Plan, a new Plan must be developed and approved before changes may take effect.

Questions

Andrew Booker

Christopher Germain

Ohio EPA - Materials and Waste Management

Planning Unit

Andrew.Booker@epa.ohio.gov

Christopher.Germain@epa.ohio.gov

