

CHAPTER 5 WASTE REDUCTION AND RECYCLING

Purpose of Chapter 5 (Include these instructions in the solid waste management plan.)

As was explained in Chapter 1, a SWMD must have programs and services that allow it to achieve reduction and recycling goals established in the state solid waste management plan. A SWMD also ensures that there are programs and services available to meet reduction and recycling needs at the local level. The SWMD may directly provide some of these programs and services, may rely on private companies and non-profit organizations to provide programs and services, and may act as an intermediary between the entity providing the program or service and the party receiving the program or service.

Between achieving the goals of the state plan and meeting local needs, the SWMD ensures that a wide variety of stakeholders have access to reduction and recycling programs. These stakeholders include residents, businesses, institutions, schools, and community leaders. These programs and services collectively represent the SWMD's strategy for furthering reduction and recycling in its member counties.

Before it could decide what programs and services are necessary and will be provided, the policy committee had to understand the SWMD's current situation. The policy committee performed a strategic, in-depth review of the SWMD's existing programs and services, recycling infrastructure, recovery efforts, finances, and overall operations. To complete this review, the policy committee conducted a series of 12 analyses. Conducting these analyses allowed the policy committee to obtain a holistic understanding of the SWMD by answering questions such as:

- Is the SWMD adequately serving all waste generating sectors?
- Is the SWMD recovering high volume wastes such as yard waste and cardboard?
- How well is the SWMD's recycling infrastructure being used/how well is it performing?
- What is the SWMD's financial situation and ability to fund programs?

Using what it learned from the 12 analyses, the policy committee drew conclusions about the SWMD's abilities, strengths and weaknesses, operations, existing programs and services, outstanding needs, available resources, etc. The policy committee then compiled a list of actions the SWMD could take, programs the SWMD could implement, or other things the SWMD could do to address its conclusions. The policy committee used that list to make decisions about the programs and services that will be available in the SWMD during the upcoming planning period.

After deciding on programs and services, the policy committee projected the quantities of recyclable materials that would be collected through those programs and services. This in turn allowed the policy committee to project its waste reduction and recycling rates for both the residential/commercial sector and the industrial sector (See appendix E for the residential/commercial sector and Appendix F for the

industrial sector).

Section A of this chapter summarizes the decision-making process the policy committee followed to determine what programs and services the SWMD will provide during the planning period. This summary explains the context in which the policy committee made those decisions. Appendix H provides details about the policy committee's decision-making process

Section B of this chapter provides short descriptions of the programs and services that will be available to the SWMD's constituents. The SWMD needs some of these programs and services to achieve goals established in Ohio's state solid waste management plan. Other programs and services satisfy local recycling and waste diversion needs. Appendix I provides detailed descriptions of all programs and services available to residents and businesses.

Section C presents the SWMD's reference year waste recovery and recycling quantities and rates. This section also describes how those quantities and rates are projected to change over the planning period.

A. Program Evaluation and Priorities

Instructions for Describing the Program Evaluation and Priorities (Remove these instructions for the solid waste management plan.)

1. Strategic Analysis

In the space below these instructions reserved with "[replace with text describing the analyses from Appendix H]", summarize the policy committee's analyses from Appendix H.

2. Conclusions

In the space after these instructions reserved with "[replace with text describing the conclusions from Appendix I]", summarize the policy committee's conclusions from Appendix I. List and describe the conclusions as needed. Examples of information to provide include:

- the SWMD's strengths and weaknesses/abilities and areas for improvement;
- outstanding program needs;
- available and needed resources;
- significant decisions that needed to be made; and
- Barriers that the SWMD has to overcome/will continue to face during the planning period.

3. Priorities

In the space reserved with "[replace with text describing the priorities from Appendix I]", list and describe the priorities identified from the list of possible actions provided in Appendix I. Also, explain how the SWMD translated the priorities into programs.

Refer the reader to Appendices H, and I for more detailed information about the District's

analysis.

1. **Strategic Analysis**

[replace with text describing the analyses from Appendix H]

2. **Conclusions**

[replace with text describing the conclusions from Appendix I]

3. **Priorities**

[replace with text describing the priorities from Appendix I]

B. Program Descriptions

Instructions for Describing Programs (remove these instructions for the solid waste management plan.)

Provide descriptions of the major programs and services that will be available during the planning period. Refer to the complete descriptions in Appendix I.

[NOTE: *The policy committee should use its discretion to determine which programs to describe. Describe enough programs to give readers a good understanding of what will be available during the planning period.*

For curbside recycling services and drop-off locations, provide tables that list all that will be available during the planning period. This is the only location in the plan where the reader can find a complete list of the curbside services and drop-off locations in the SWMD. Templates for tables are provided. If the SWMD has too many drop-offs to list, then provide a summary description of the drop-offs, a count of locations and refer to the inventory in Appendix B, Table B-2, and the program descriptions in Appendix I for an account of drop-off locations.]

Following this textbox are headings corresponding to common types of programs and services. These headings are the same as those provided in Appendix I. There are placeholders after each heading. Describe programs and services under the appropriate headings by removing the placeholders and entering original text. If the SWMD does not have a particular type of program or service, then remove the heading. If the SWMD will have a program or service that isn't identified with a heading, then insert additional headings as needed. The way programs and services are listed in this chapter should match how they were listed in Appendix I.

When writing text, refer to programs and services using the names that were assigned in the appendices.

Provide whatever information is necessary to give readers a basic understanding of the program or service. Provide the information in whatever format seems appropriate - text, bullet points, tables, etc. The descriptions provided here can be less detailed than those in Appendix

I. Ensure that information in the descriptions is consistent with information in the appendices. Examples of information to provide include:

- Who will be able to use the program/the service area of the program/the target audience;
- What materials will be collected through the program/service;
- Who will provide/operate the program/service;
- What the program/service is/what will be provided;
- Who to contact for more information (particularly if someone other than the SWMD);
- When the program/service will be available;
- Who pays for the program; and
- Any other information the policy committee believes is pertinent or necessary.

For programs and services that were available in the reference year, in addition to the information listed above, examples of information to provide include:

- What the program consisted of in the reference year/what was done/accomplished in the reference year;
- What did or didn't work;
- Changes the SWMD intends to make to the program during the planning period and the timeline for making those changes;
- How the SWMD promotes or will promote availability of the programs to its constituents; and
- Any barriers the SWMD will encounter to implement desired changes and how the SWMD will overcome those barriers.

Refer the reader to Appendix I for more detailed descriptions of the programs and services.

Residential Recycling Infrastructure

Curbside Recycling Services

Instructions (remove these instructions for the solid waste management plan)

Table 5-1 will list all of the curbside recycling services that will be available during the planning period.

Completing Table 5-1:

Go to the workbook, find the tab for "5-1", and follow the instructions below:

Name of Curbside – enter the name assigned to the curbside service in either Appendix B or Appendix I.

Community Served – enter the name of the community served by the curbside service

Service Provider – enter the name of the entity that provides the curbside recycling service (the entity that collects the recyclables, not the entity that funds the service)

In the space reserved with “[replace with text supplementing Table 5-1 as necessary]”, provide any additional text necessary to describe the curbside services.

Table 5-1 Curbside Recycling Services

Name of Curbside Service	Community Served	Service Provider

[replace with text supplementing Table 5-1 as necessary]

Drop-off Recycling Locations

Instructions (remove these instructions for the solid waste management plan)

Table 5-2 will list all of the drop-off recycling locations that will be available during the planning period.

Completing Table 5-2:

Go to the workbook, find the tab for “5-2”, and follow the instructions below:

Name of Drop-off – Enter the name that was assigned to the drop-off location in either Appendix B or Appendix I.

Community Served – Enter the name(s) of the community served by the drop-off location.

Service Provider – Enter the name of the entity that services the drop-off location (may be different than the entity that funds the drop-off).

In the space reserved with “[replace with text supplementing Table 5-2 as necessary]”, provide any additional text necessary to describe the drop-off locations.

Table 5-2 Drop-off Recycling Locations

Location of Drop-off	Community Served	Service Provider

[replace with text supplementing Table 5-2 as necessary]

Mixed solid waste materials recovery facility

[Describe program here]

Multi-Family Unit Recycling

[Describe program here]

Other Residential Recycling Programs (list individually below)

[Describe program here]

Commercial/Institutional Sector Reduction and Recycling Programs

School Recycling

[Describe program here]

Collection Services (small businesses, government offices, etc)

[Describe program here]

Large Venue Recycling

[Describe program here]

Waste Assessments/Waste Audits

[Describe program here]

Contracting Assistance

[Describe program here]

Workgroup/Roundtable

[Describe program here]

Award/Recognition

[Describe program here]

Other Programs (list individually with a table and description)

[Describe program here]

Industrial Sector Reduction and Recycling Programs

Waste Assessments/Waste Audits

[Describe program here]

Collection Services

Contracting Assistance

[Describe program here]

Workgroup/Roundtable

[Describe program here]

Award/Recognition

[Describe program here]

Other Programs (list individually with a table and description)

Restricted/Difficult to Manage Wastes

Yard Waste (list and describe programs below)

[Describe program here]

Household Hazardous Waste

[Describe program here]

Scrap Tires

[Describe program here]

Electronic Equipment

[Describe program here]

Lead-Acid Batteries

[Describe program here]

Appliances

[Describe program here]

Pharmaceuticals

[Describe program here]

Others (list individually with a table and description)

[Describe program here]

Other Material Specific Programs

Food Waste

[Describe program here]

Glass

[Describe program here]

Funding/Grants

Incentive Based Grants

[Describe program here]

Improvement Grants

[Describe program here]

Other Funding/Grant Programs (list individually)

[Describe program here]

Economic Incentives

Volume-Based Billing/Pay-As-You-Throw Trash Collection

[Describe program here]

Financial Award Programs (e.g. RecycleBank, “Get Caught Recycling”)

[Describe program here]

Other Economic Incentive Programs (list individually)

[Describe program here]

Market Development Programs

[Describe program here]

Feasibility Studies

[Describe program here]

Facilities

Materials Recovery Facilities/Recycling Centers

[Describe program here]

Landfills

[Describe program here]

Closed Facility Maintenance (Closure/Post-Closure Care)

[Describe program here]

Transfer Facilities

[Describe program here]

Composting Facilities

[Describe program here]

Data Collection

[Describe program here]

Outreach, Education, Awareness, and Technical Assistance

<p>Instructions for describing outreach, education, awareness, and technical assistance programs (remove these instructions for the solid waste management plan):</p>
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Provide information about the SWMD's outreach plan, general education, awareness, and technical assistance (Goals 3 and 4) under this heading. Information will come from Appendix L.

Summarize how the SWMD will provide to fulfill the four minimum education requirements prescribed by Goal 3.

For the outreach and Marketing Plan, summarize the programs the SWMD will provide for each of the five target audiences. Describe programs under the heading for the appropriate target audience. :

For the outreach priority, describe what the priority is, how/why the policy committee selected the priority, what the SWMD will achieve through the priority, and which audiences the SWMD will target, and summarize the programs the SWMD will provide to address the priority.

Web Page

[Describe program here]

Resource Guide

[Describe program here]

Education Provider

[Describe program here]

Outreach and Marketing Plan

Residential Sector

[Describe program here]

Commercial/Institutional Sector

[Describe program here]

Industrial Sector

[Describe program here]

Political Leaders

[Describe program here]

Schools

[Describe program here]

Outreach Priority

[Describe program here]

General Education Programs (e.g. presentations, booths at community events, articles, advertising, publications, etc.),

[Insert headings and narrative here]

Other Programs

Health Department Support

[Describe program here]

County Assistance

[Describe program here]

Open Dumping/Litter Enforcement

[Describe program here]

Open dump/tire dump cleanup

[Describe program here]

Municipal Corporation/Township Assistance

[Describe program here]

Disaster Debris Assistance

[Describe program here]

Closed Facility Maintenance/Post-Closure Care

[Describe program here]

Facility Ownership/Operations

[Describe program here]

C. Waste Reduction and Recycling Rates

Instructions (Remove these instructions for the solid waste management plan.)

These tables will present waste reduction and recycling information for the residential/commercial and industrial sectors.

Completing tables 5-3 and 5-4:

The tables will be automatically completed for you and will provide information for the reference year and the first six years of the planning period.

The worksheets for the tables are located in the workbook, on tabs for “5-3” and “5-4”:

Year – The years will automatically populate based on the reference year and first year of the planning period entered into worksheet “A”

Quantity Collected and Residential/Commercial WRR/Industrial WRR

- For the residential/commercial sector, these amounts will come from Table K-1.
- For the industrial sector, these amounts will come from Table K-2.

In the space reserved with “[Insert figures, narrative, and other information here]”, provide text to address the following:

- Past and projected waste reduction and recycling trends;
- The SWMD’s progress toward achieving Goal 2 of the state solid waste management plan; and
- An explanation of the services/programs that will achieve increased recovery of recyclables.

Provide additional narrative and other supporting information as appropriate.

Suggestions for information to provide include:

- Graphs or other figures;
- A breakdown of the major materials recycled/percent each material comprised of total material recycled; and
- Statistics from running the WARM model to demonstrate the effects of the SWMD’s recycling efforts.

All data and information used in this section needs to match information and data in the appendices and in other sections of the solid waste management plan.

1. Residential/Commercial Recycling in the District

Table V-3 Residential/Commercial Waste Reduction and Recycling Rate

Year	Projected Quantity Collected (tons)	Residential/ Commercial WRR ¹ (%)

¹WRR = Waste Reduction and Recycling Rate

[Insert figures, narrative, and other information here]

2. Industrial Recycling in the District

Table V-4 Industrial Waste Reduction and Recycling Rate

Year	Projected Quantity Collected (tons)	Industrial WRR ¹ (%)

¹WRR = Waste Reduction and Recycling Rate

[Insert figures, narrative, and other information here]