

APPENDIX J Reference Year Opportunity to Recycle and Demonstration of Achieving Goal 1

A. Residential Sector Opportunity to Recycle

During the period of this Plan the Darke County Solid Waste Management District will continue to meet the requirements of Goal 1 of the Ohio State Plan. Appendix J provides demonstrations of the programs and facilities that were used in the Reference Year and that will be used throughout the planning period. To meet the requirements of Goal 1 the District must demonstrate access to recycling through a curbside or drop-off program available to a minimum of 80% of the population of the District. The credit a program is given toward this goal depends on the services offered and the likelihood that residents will be able to participate in the program.

Non-subscription curbside programs are available to residents automatically within a defined area. All residents of the area living in single-family homes receive the service whether they sign up for it or not. The waste collection fee automatically includes curbside recycling on a regular basis at least every two weeks. Both the Versailles and Arcanum curbside collection programs meet this criterion. The District receives credit for the entire population of the area served by non-subscription curbside programs.

Subscription curbside service refers to a type of curbside recycling service for which residents must voluntarily sign up for and agree to pay for the service. The programs listed in Table J-1 are all offered by a waste hauler. All residents who pay for waste collection are automatically entitled to weekly curbside recycling collection. The District can credit 25 percent of the population of the jurisdictions where the service is offered in lieu of other more difficult documentation methods to confirm the number of subscribers.

In 2020 and 2021, several villages signed contracts with Rumpke giving Rumpke the exclusive right to provide residential waste collection services. Residents must request this service and pay Rumpke for the services. All subscribing households are offered curbside recycling. The villages have been added to Table J-1 and are assigned program IDs. Access is calculated based on the projected village population for plan years 2022 and after. If the rest of the township is served by Rumpke, the population of the villages is not included in the population listed for township credit to avoid double counting.

The default population credit for full-time, urban drop-offs that meet the criteria is 5,000. The default credit for a full-time rural drop-off is 2,500. It is important to understand that some of the townships where the drop-offs are located have populations less than 2,500. The District has chosen the drop-off locations carefully. Most are near highways that connect District households to employers, schools, and commercial areas. As such, the drop-offs serve the general area. Use of a drop-off is not limited to a specific township, village, or city.

Table J-1a. Opportunity to Recycled: Curbside and Drop-off

Key assumption: This table assumes that at least 25% of the population of Greenville and the villages in which Rumpke is the sole provider of subscription waste and recycling services subscribe and therefore have access to curbside recycling collection. The same assumption is applied to the of the townships where Rumpke provides subscription waste collection with curbside recycling available to all Rumpke subscribers.

ID #	Darke County	2018		2022 1st Year of Plan		2026 - 5th Year of Plan		2031 - 10th Year of Plan		2036 - 15th Year of Plan	
	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
Non-subscription curbside (credit assigned to 100% of population)											
NCS1	Versailles Village	2,576	2,576	2,526	2,526	2,464	2,464	2,395	2,395	2,333	2,333
NCS2	Arcanum Village	2,021	2,021	1,982	1,982	1,933	1,933	1,879	1,879	1,830	1,830
Non-subscription curbside (credit assigned to 25% of population See notes explaining methods to avoid double counting of number of persons served.)											
SC1	Greenville City	12,695	3,174	12,447	3,112	12,143	3,036	11,801	2,950	11,498	2,875
SC2	Palestine Village	185	46	181	45	177	44	172	43	168	42
SC3	Adams Township (note 1)	2,741	685	1,315	329	1,952	488	1,247	312	1,215	304
SC4	Brown Township South of St. Rt. 47 and including entire Village of Ansonia (note 2)	1,559	390	1,462	365	1,491	373	1,449	362	1,412	353
SC5	Butler Township. From 2020 on less 16% population of New Madison (note 3)	738	184	546	136	532	133	517	129	504	126
SC6	Franklin Township	1,184	296	1,161	290	1,132	283	1,101	275	1,072	268
SC7	Greenville Township (note 4)	4,209	1,052	4,127	1,032	4,026	1,006	3,913	978	3,812	953
SC8	Harrison Township (note 5)	2,303	576	2,125	531	2,073	518	2,015	504	1,960	490
SC9	Jackson Township (note 6)	582	146	571	143	557	139	541	135	527	132
SC10	Liberty Township (note 7)	839	210	823	206	803	201	780	195	760	190

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ID #	Darke County	2018		2022 1st Year of Plan		2026 - 5th Year of Plan		2031 - 10th Year of Plan		2036 - 15th Year of Plan	
	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
SC11	Monroe Township	1,648	412	1,616	404	1,576	394	1,532	383	1,493	373
SC12	Neave Township	2,242	561	2,198	550	2,144	536	2,084	521	2,031	508
SC13	Richland Township	810	203	794	199	775	194	753	188	734	183
SC14	Twin Township (note 8)	1,866	467	1,494	374	1,458	364	1,417	354	1,380	345
SC15	Van Buren Township	1,405	351	1,378	344	1,344	336	1,306	327	1,273	318
SC16	Washington Township	1,272	318	1,247	312	1,217	304	1,182	296	1,152	288
SC17	Wayne Township (note 9)	856	214	839	210	819	205	796	199	775	194
SC18	Gettysburg Village (note 10)	700	0	686	172	670	167	651	163	634	159
SC19	Gordon (note 10)	212	0	208	52	203	51	197	49	192	48
SC20	Ithica (note 10)	130	0	127	32	124	31	121	30	118	29
SC21	New Madison (note 10)	1,131	0	1,109	277	1,082	270	1,051	263	1,024	256
Full-time, urban drop-off											
FTU1	Rumpke Recycling Facility Greenville	12,698	5,000	12,450	5,000	12,146	5,000	11,804	5,000	11,501	5,000
New	Location to be decided: In Place by July 1, 2022	12,698	0	12,450	5,000	12,146	5,000	11,804	5,000	11,501	5,000
Part-time, urban drop-off											
	None										
Full-time, rural drop-off											
FTR1	To be decided. No credit listed. Formerly Adams Twp.	3,498		3,430		3,346		3,252		3,168	
FTR2	Allen Township)	1,085	2,500	1,064	2,500	1,038	2,500	1,009	2,500	983	2,500

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ID #	Darke County	2018		2022 1st Year of Plan		2026 - 5th Year of Plan		2031 - 10th Year of Plan		2036 - 15th Year of Plan	
	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
FTR3	Brown Township	1,988	2,500	1,949	2,500	1,902	2,500	1,848	2,500	1,801	2,500
FTR4	Butler Township	1,477	2,500	1,448	2,500	1,413	2,500	1,373	2,500	1,338	2,500
FTR5	Harrison Township	2,448	2,500	2,400	2,500	2,342	2,500	2,276	2,500	2,217	2,500
FTR6	To be decided. No credit listed.	2,762		2,708		2,642		2,567		2,502	
FTR7	Formerly Neave and Jackson Twps.	2,242		2,198		2,144		2,084		2,031	
FTR8	Patterson Township	1,340	2,500	1,314	2,500	1,282	2,500	1,246	2,500	2,333	2500
FTR9	Twin Township (note 11)	3,887	2,500	1,830	2,500	1,785	2,500	1,735	2,500	1,690	2500
FTR10	Wabash Township	847	2,500	830	2,500	810	2,500	787	2,500	767	2500
FTR11	Wayne Township (note 11)	4,301	2,500	2,526	2,500	2,464	2,500	2,395	2,500	2,333	2500
<i>Part-time, rural drop-off</i>											
	None										
<i>Mixed municipal waste material recovery facility</i>											
	None										
Total County Population		50,469		49,793		48,575		47,207		45,996	
Total Population Credit		38,882		43,448		43,470		42,929		42,597	
Percent of Population		77%		88%		89%		91%		93%	

Note 1: The population of Adams Twp. is adjusted to exclude the part of Bradford that is not in the District and to exclude the population of Gettysburg which is listed as a subscription curbside village.

Note 2: Rumpke serves part of Brown Twp. south of St.Rt. 47 and the entire Village of Ansonia. The population is adjusted to the entire population of Ansonia and 50% of Brown Twp. (The District could not find a source of population information that provides specific information on the population north and south of 47. 50% is an estimate based on area above and below the route.)

Note 3: The Butler Twp. population is adjusted to exclude the 16% of the population of New Madison that is in Butler County. New Madison is a SC Village.

Note 4: Greenville Twp. population is adjusted by subtracting the population of the City of Greenville.

Note 5: Harrison Twp. population is adjusted to exclude the 84% of the population of New Madison that is located in Harrison Twp. New Madison is a SC Village.

Note 6: The population of Jackson Twp. is adjusted to subtract the entire population of Union City which is provided waste collection services by Bestway.

The remainder of the population is reduced by 50% to exclude the number of residents north of St. Rt. 47.

Note 7: The population of Liberty Township is adjusted to exclude the population of Palestine which is listed as a subscription curbside village.

Note 8: The population of Twin Twp. has been adjusted to exclude the populations of Arcanum, Gordon, and Ithica.

Note 9: The population of Wayne Twp. excludes that of the Village of Versailles and 50% of the remaining population of the Twp. to adjust for the northern part of the Twp. above St. Rt. 47 in which Rumpke waste with curbside recycling service included is not offered.

Notes 10: The Villages of Gettysburg, Gordon, Ithica, and New Madison have agreements making Rumpke the exclusive residential waste collection service provider.

All Rumpke subscribers in these villages are offered biweekly curbside recycling collection.

Note 11: The entire population of the townships is entered for full time rural drop-off sites. The drop-offs are available to all area residents including residents of villages where subscription curbside is available. The sites are also located near main connecting roads and may be used by households outside of the township or village where the drop-off is located.

Assumptions: The District assumes that the populations for cities, villages, and townships will decrease at approximately the same rate as the projected decrease in the population of the District.

Calculation: The percent of the population with access is derived by dividing the access population credit number by the total population of the district. The result is expressed as a percentage rounded to the nearest whole number.

The District plans to meet or exceed the residential/commercial requirements of Goal 1 for the entire planning period. All of the curbside and drop-off programs are expected to be continued throughout the planning period.

Table J-1b. Alternative Opportunity to Recycle: Curbside and Drop-off Calculation

At the time when this Plan was being completed, hard data regarding the number of subscribers to subscription waste collection programs that include curbside recycling for all subscribers was not available to the District. The District is quite sure that substantially more than 25% of the residents in the areas where these programs are offered are subscribed for several reasons: As of 2020, residents of Greenville, Gettysburg, Gordon, Ithica, New Madison, and Palestine do not have any other alternative for waste collection. By agreement with these municipalities, Rumpke is the only service provider and offers curbside recycling to all waste collection subscribers. Although these households could deliver their waste directly to a landfill or dispose of it illegally through dumping, backyard burning, or theft of service, there is little evidence that this is happening on any substantial scale. Also, in 2019, the last year for which we have reviewed

data, 73% of the reported municipal solid waste that was direct hauled or transferred for disposal in Ohio or out-of-state was managed by the Rumpke Greenville Transfer Facility or a Rumpke operated landfill.

As part of the research for preparing this plan, the District hoped to do a participation study in Greenville and in selected townships where subscription curbside is offered to all Rumpke residential waste collection subscribers. The Covid 19 epidemic caused this research to be postponed. The District intends to do a participation studies as listed in Appendix I-1 beginning in 2021 and extending into the first year of the planning period. The District believes that the participation studies will demonstrate that more than 25% of the residents of Greenville and the townships where Rumpke offers subscription waste collection with weekly or biweekly curbside recycling are subscribing and have access to recycling.

Since this data was not available in time for completion of this plan, the following table is included to clarify that at least 80% access is possible without attributing any amount of curbside to the townships where Rumpke offers curbside recycling to all waste collection subscribers. The communities that have contracts with Rumpke as the sole provider of residential collection are credited with 25% access. However, if it were to be found that access is less than 25% in these communities, the District has included additional drop-offs as backup as explained in the narrative following the table and in the planned programs in Appendix I.

Table J-1b. Alternative Opportunity to Recycled: Curbside and Drop-off Calculation

ID #	Darke County	2018		2022 1st Year of Plan		2026 - 5th Year of Plan		2031 - 10th Year of Plan		2036 - 15th Year of Plan	
	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
Non-subscription curbside											
NCS1	Versailles Village	2,576	2,576	2,526	2,526	2,464	2,464	2,395	2,395	2,333	2,333
NCS2	Arcanum Village	2,021	2,021	1,982	1,982	1,933	1,933	1,879	1,879	1,830	1,830
Subscription curbside											
SC1	Greenville City	12,695	3,174	12,447	3,112	12,143	3,036	11,801	2,950	11,498	2,875
SC2	Palestine Village	185	46	181	45	177	44	172	43	168	42

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	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
SC3	Adams Township (note 1)	2,741	685	1,315		1,952		1,247		1,215	
SC4	Brown Township South of St.Rt.47 and including entire Village of Ansonia (note 2)	1,559	390	1,462		1,491		1,449		1,412	
SC5	Butler Township. From 2020 on less 16% population of New Madison (note 3)	738	184	546		532		517		504	
SC6	Franklin Township	1,184	296	1,161		1,132		1,101		1,072	
SC&	Greenville Township (note 4)	4,209	1,052	4,127		4,026		3,913		3,812	
SC8	Harrison Township (note 5)	2,303	576	2,125		2,073		2,015		1,960	
SC9	Jackson Township (note 6)	582	146	571		557		541		527	
SC10	Liberty Township (note 7)	839	210	823		803		780		760	
SC11	Monroe Township	1,648	412	1,616		1,576		1,532		1,493	
SC12	Neave Township	2,242	561	2,198		2,144		2,084		2,031	
SC13	Richland Township	810	203	794		775		753		734	
SC14	Twin Township (note 8)	1,866	467	1,494		1,458		1,417		1,380	
SC15	Van Buren Township	1,405	351	1,378		1,344		1,306		1,273	
SC16	Washington Township	1,272	318	1,247		1,217		1,182		1,152	
SC17	Wayne Township (note 9)	856	214	839		819		796		775	

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ID #	Darke County	2018		2022 1st Year of Plan		2026 - 5th Year of Plan		2031 - 10th Year of Plan		2036 - 15th Year of Plan	
	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
SC18	Gettysburg Village (note 10)	700	0	686	172	670	167	651	163	634	159
SC19	Gordon (note 10)	212	0	208	52	203	51	197	49	192	48
SC20	Ithica (note 10)	130	0	127	32	124	31	121	30	118	29
SC21	New Madison (note 10)	1,131	0	1,109	277	1,082	270	1,051	263	1,024	256
Full-time, urban drop-off											
FTU1	Rumpke Recycling Facility Greenville	12,698	5,000	12,450	5,000	12,146	5,000	11,804	5,000	11,501	5,000
New	Location to be decided: In place by July 1, 2022	12,698		12,450	5,000	12,146	5,000	11,804	5,000	11,501	5,000
Part-time, urban drop-off											
	None										
Full-time, rural drop-off											
FTR1	To be decided (formerly Adams Twp. No credit until available) In place by July 1, 2022	3,498		3,430	2,500	3,346	2,500	3,252	2,500	3,168	2,500
FTR2	Allen Township	1,085	2,500	1,064	2,500	1,038	2,500	1,009	2,500	983	2,500
FTR3	Brown Township	1,988	2,500	1,949	2,500	1,902	2,500	1,848	2,500	1,801	2,500
FTR4	Butler Township	1,477	2,500	1,448	2,500	1,413	2,500	1,373	2,500	1,338	2,500
FTR5	Harrison Township	2,448	2,500	2,400	2,500	2,342	2,500	2,276	2,500	2,217	2,500
FTR6	To be decided, formerly Jackson Twp. and Neave Twp. No credit until available. See note 12.	2,762									
FTR7		2,242									

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	Name of Community (City, Village, Township)	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit	Pop.	Credit
FTR8	Patterson Township	1,340	2,500	1,314	2,500	1,282	2,500	1,246	2,500	2,333	2,500
FTR9	Twin Township (note 11)	1,866	2,500	1,830	2,500	1,785	2,500	1,735	2,500	1,690	2,500
FTR10	Wabash Township	847	2,500	830	2,500	810	2,500	787	2,500	767	2,500
FTR11	Wayne Township (note 11)	2,576	2,500	2,526	2,500	2,464	2,500	2,395	2,500	2,333	2500
Part-time, rural drop-off											
	None										
Mixed municipal waste material recovery facility											
	None										
Total County Population		50,469		49,793		48,575		47,207		45,996	
Total Population Credit		38,882		40,698		40,496		40,272		40,072	
Percent of Population		77%		82%		83%		85%		87%	

- Note 1: The population of Adams Twp. is adjusted to exclude the part of Bradford that is not in the District and to exclude the population of Gettysburg which is listed as a subscription curbside village.
- Note 2: Rumpke serves part of Brown Twp. south of St.Rt. 47 and the entire Village of Ansonia. The population is adjusted to the entire population of Ansonia and 50% of Brown Twp. (The District could not find a source of population information that provides specific information on the population north and south of 47. 50% is an estimate based on area above and below the route.
- Note 3: The Butler Twp. Population is adjusted to exclude the 16% of the population of New Madison that is in Butler County. New Madison is a SC Village.
- Note 4: Greenville Twp. population is adjusted by subtracting the population of the City of Greenville.
- Note 5: Harrison Twp. population is adjusted to exclude the 84% of the population of New Madison that is located in Harrison Twp.
- Note 6: The population of Jackson Twp. is adjusted to subtract the entire population of Union City which is provided waste collation services by Bestway. The remainder of the population is reduced by 50% to exclude the number of residents north of St. Rt. 47.
- Note 7: The population of Liberty Township is adjusted to exclude the population of Palestine which is listed as a subscription curbside village.
- Note 8: The population of Twin Twp. has been adjusted to exclude the populations of Arcanum, Gordon, and Ithica.
- Note 9: The population of Wayne Twp. excludes that of the Village of Versailles and 50% of the remaining population of the Twp. to adjust for the northern part of the Twp. above St. Rt. 47 in which Rumpke waste with curbside recycling service included is not offered.

Notes 10: The Villages of Gettysburg, Gordon, Ithica, and New Madison have agreements making Rumpke the exclusive residential waste collection service provider. All Rumpke subscribers in these villages are offered biweekly curbside recycling collection.

Note 11: The entire population of the townships is entered for full time rural drop-off sites. The drop-offs are available to all area residents including residents of villages where subscription curbside is available. The sites are also located near main connecting roads and may be used by households outside of the township or village where the drop-off is located.

Note 12: If needed to provide access, 2 rural or one urban drop-off will be added. If studies of participation and access to curbside recycling show that there is less than 25% access in these municipalities, the District can reach the 80% access goal by adding either two rural drop-offs or one urban drop-off by July 2023. The District will select the alternative which is judged to be most likely to increase residential recycling by placing drop-off in underserved areas. The content of this note is repeated in the narrative below for clarity.

Important note: Table J1b provides an alternate approach to provide 80% or more access to recycling opportunities: Unlike Table J-1a, in Table J-1b the participation credited to the townships where subscription waste collection that automatically includes bi-weekly curbside recycling is not given any recycling credit although the District is confident that surveys will show that 25% or more of the population is subscribed. Without giving any credit to the townships, the District attains more than 80% credit by adding one urban and one rural drop-off no later than July 2022. These drop-offs are included in this plan. See Appendix I, Page 10, Full-Time, Urban Drop-offs and Appendix I, page 11, Full-Time Rural Drop-off FTR1.

Credit in Table J-1b assigned to Greenville, Palestine, Gettysburg, Gordon, Ithica and New Madison is 25% of the population of these municipalities. The total population served in these 6 communities is 4,438. If studies of participation and access to curbside recycling show that there is less than 25% access in these municipalities, the District can reach the 80% access goal by adding either two rural drop-offs or one urban drop-off by July 2023. The District will select the alternative which is judged to be most likely to increase residential recycling by placing drop-off in underserved areas. See contingency drop-off program in Appendix I, page 11 “Contingency Drop-offs.”

B. Commercial Sector Opportunity to Recycle

The commercial sector includes retail and wholesale businesses, schools, banks, government office buildings, and similar businesses and organizations. In order to demonstrate compliance with plan standards the District must address the service area which is the entire area of Darke County except Bradford and Burkettsville that are not included in the District. .

Compliance with Goal 1 requires that the District demonstrate adequate opportunities for recycling materials generated by commercial establishments. The District selected 5 materials from a list of materials often generated in large amounts by businesses. The five materials that the District is using for this demonstration are corrugated cardboard, office paper, mixed paper, steel cans and containers, and wood pallets and packaging. Although Table J-4 only lists five materials, many of the private sector service providers listed accept and recycle other materials that are generated by commercial businesses.

Some of the listed facilities are in the District. Many are outside of the District. The village or city in which the facility is located is included. All facilities are in Ohio unless otherwise identified. All the private sector service providers listed have provided services to one or more businesses located in the District.

Most of the private sector recyclers will provide pick-up services depending upon the amount and commercial value of the material being offered. Commercial businesses and institutions that do not generate enough material to make collection service feasible are encouraged to contact the Waste District to explore possible options which may include pairing businesses to share recycling container services or using the publicly available drop-off containers if the type and amount of the material is acceptable.

Table J-4. Infrastructure Demonstration for the Commercial Sector

Service Provider	Recycling Service	Cardboard	Office Paper	Mixed Paper	Steel Cans*	Pallets Wood Packaging
Private Sector Recyclers						
1-Shot Recycling, Bradford	Scrap yard				√	
A & M Pallet, Russia	Pallet Refurbisher					√
Anderson Pallet, Lewisburg	Pallet Refurbisher					√
Best Way	Waste Hauler and recycling services	√				
Boggs Recycling, Newbury	Scrap yard				√	
Confidential Material Destruction, Kettering	Hauler, Document and Paper Recycling		√	√		
Franklin Iron & Metal, Dayton	Scrap yard,				√	
Integrity Metals, Connersville, IN	Scrap yard, Hauling service*				√	
Kamps Pallets, Versailles	Pallet Refurbisher					
Midwest Iron & Metal, Dayton	Scrap yard,				√	
Montgomery Paper, Dayton	Fiber recycler,	√	√	√		
Ohio Recycling Inc., Chickasaw	Scrap yard	√	√	√	√	
Rumpke Waste Collection and Recycling, Greenville	Waste collection and recycling services. Drop-off available at Rumpke Greenville Transfer Facility	√	√	√	√	
West Rock, Eaton, Indiana	Fiber processor	√	√	√		
Institutional Recycling Opportunities Provided by District : School Recycling Drop-offs - One 6-yard container at each site listed						
Ansonia Schools	Multi-material Drop-off . Materials accepted are the same as residential drop-offs: OCC, News, MxP, Glass, StC, AIC,PIC	√	√	√	√	
Versailles Schools		√	√	√	√	
Arcanum Butler Schools		√	√	√	√	
Franklin Monroe Schools		√	√	√	√	
Mississinawa Schools		√	√	√	√	
Tri-Village Schools		√	√	√	√	
St. Mary's School		√	√	√	√	
Anthony Wayne Early Child Education Center		√	√	√	√	

C. Demonstration of Meeting Other Requirements for Achieving Goal 1

1. Residential/Commercial Waste Reduction and Recycling Rate

The District did not demonstrate meeting the 25% or above residential/commercial recycling goal in the reference year 2018. The calculated recycling rate was 19.73%. The District's

intention in this Plan is to provide programs to increase participation of residents, businesses, and institutions in existing recycling opportunities, to decrease the amount of contamination in drop-off and curbside recycling containers, and to improve data collection, particularly data from the commercial and institutional sectors. In APPENDIX K, Table K-1, the District projects modest increases in waste diversion to attain a recycling rate of 25% by 2026, year 5 of the planning period. The District will make every effort to attain the 25% goal sooner and to exceed the 25% during the planning period. However, the 2015 Plan projections have proven to be unrealistic. In this plan, the District is taking what is believed to be a more realistic approach.

2. Industrial Waste Reduction and Recycling Rate

The industrial recycling rate in the reference year, 2018 was 83.48%. The District anticipates modest increases in industrial production over the planning period. The District will continue to work with industries that request assistance in finding recycling markets for materials that do not have established markets and in applying for grants to expand the infrastructure needed to divert additional material. However, the District is projecting some growth in industrial disposal as production increases. The generation of waste may grow faster than diversion. Therefore, the projection for industrial recycling shows a small decrease in the percentage of waste diverted over the planning period. The projection for the first year of the planning period is 81% decreasing one percent per year to 75% in 2028 and thereafter. This is a projection. The District will do everything it can to avoid a decrease.

3. Encouraging Participation

In APPENDIX L, the District explains the programs and actions that will be implemented to reach target audiences with information and education directed to increase the amount of waste diverted from disposal by waste reduction and recycling, and to decrease the number of unwanted materials that contaminate recycling collection programs.

The District will maintain all of the required programs: the website, the comprehensive resource guide, the inventory of available infrastructure, and a speaker/presenter. In addition, the District is planning a multi faceted campaign focusing on increasing participation in residential curbside and drop-off collection programs and in reducing contamination in the residential recycling stream.

The District's approach to commercial recycling will emphasize more direct, person to person, contact with business owners and managers with two primary purposes: motivation toward increase participation in recycling and increasing the number and quality of responses to

recycling surveys. The same approach will be used in reaching out to institutions and government offices.