

## Section 6

Evaluation of Existing Solid Waste Capacity and Materials Management Facilities  
Within the District and Evaluation of any Planned New or Expanded Facilities

The East Tennessee Development District (ETDD) region is home to eleven Class III/IV disposal facilities and ten Class I disposal facilities. Of these twenty-one permitted facilities, one Class III facility, Yarnell Demolition Landfill in Knox County, and two Class I facilities, Roberta Landfill in Scott County and Union County Landfill, are closed. Table 6-A below details for each disposal facility the current collection capacity, maximum capacity the facility can handle at maximum throughput, age of facility, and projected life remaining. These landfills have projected lifespans to last beyond the next five-year reporting period. The most heavily used Class I landfills within the ETDD region, Chestnut Ridge Landfill in Anderson County and Volunteer Regional Landfill in Scott County, have projected lifespans of greater than twenty-five years each. Chestnut Ridge Landfill receives 85.94% of Class I waste generated in Anderson County, 29.54% of Class I waste generated in Blount County, 12.82% of Class I waste generated in Grainger County, 52.82% of Class I waste generated in Knox County, 7.74% of Class I waste generated in Morgan County, 0.03% of Class I waste generated in Scott County, and 79.23% of Class I waste generated in Union County. Volunteer Regional Landfill receives 85.29% of Class I waste generated in Campbell County, 85.98% of waste generated in Claiborne County, 18.70% of Class I waste generated in Knox County, 92.26% of Class I waste generated in Morgan County, and 99.97% of Class I waste generated in Scott County. Lakeway Sanitation and Recycling Class I Landfill in Hamblen County has a projected life of fourteen years and receives 8.30% of Class I waste generated in Claiborne County, 90.93% of Class I waste generated in Cocke County, 84.02% of waste generated in Grainger County, 29.80% of Class I waste generated in Hamblen County, and 35.75% of Class I waste generated in Jefferson County. The Alcoa/Maryville/Blount County Class I Landfill has a projected life of over sixty years and receives 59.81% of the Class I waste generated in Blount County. The Jefferson County Class I Landfill has a projected life of seventeen years and receives 8.77% of Class I waste generated in Cocke County and 57.51% of Class I waste generated in Jefferson County. The Morristown Balefill Landfill has a projected life of approximately five years and receives 69.06% of Class I waste generated in Hamblen County. With the exception of Morristown Balefill Landfill, these landfills all have long enough projected life to handle the current and projected waste streams of the counties of ETDD well into the next planning period. The Morristown/Hamblen County Solid Waste Authority Board is currently evaluating expanding the Morristown Balefill Landfill and extending its life for additional decades. If an expansion does not occur, the Lakeway Sanitation and Recycling Class I Landfill, which is located on the same road, has a long enough projected life and capacity to handle the currently generated and projected waste in Hamblen County and will likely be utilized.

Some counties within the ETDD region use landfills that are located outside the ETDD boundaries. Meadow Branch Landfill, located in McMinn County, has a projected life of over eighteen years and receives 28.05% of Class I waste generated in Knox County, 46.52% of Class I waste generated in Loudon County, 88.29% of Class I waste generated in Monroe County, 3.85% of Class I waste generated in Roane County, 39.07% of Class I waste generated in Sevier County, and 16.75% of Class I waste

generated in Union County. This facility has a long enough projected life and capacity to handle the current and projected waste streams from these counties well into the next planning period. The Rhea County Landfill has just under five years of life remaining and receives 90.38% of the waste generated in Roane County. The Roane County Solid Waste Director contacted the Rhea County Landfill to discuss the landfill's plans for potential expansion, and he is researching Chestnut Ridge Landfill and Volunteer Regional Landfill (both have the projected lifespans and capacity to handle currently generated and projected waste from Roane County) as options for disposal if Rhea County Landfill closes.

The Class III Landfills located within the ETDD region have long enough lifespans to continue operations into the next five-year reporting period. All counties of ETDD that generate Class III waste utilize these facilities within the ETDD region. The Jefferson County Class III landfill has a projected life of seven years and receives 100% of the Class III waste generated in Cocke, Grainger, Hamblen, and Jefferson Counties. The Claiborne County Class III Landfill has a projected life of twenty years and receives 100% of the Class III waste generated in Claiborne County. The Sevier Solid Waste Class III Landfill has a projected life of nine years and receives 100% of the Class III waste generated in Sevier County. The Class III waste generated in Knox County in 2018 was disposed primarily within the County, with 39.08% going to Riverside C&D Landfill, 33.18% going to Poplar View Class III Landfill, and 27.52% going to Yarnell Demolition Landfill, which closed at the end of 2019. Both Riverside C&D Landfill and Poplar View Class III Landfill have the projected lifespans and capacity to handle the currently generated and projected waste that would otherwise have gone to the Yarnell Demolition Landfill in addition to the proportion of the waste stream they normally receive.

The sixteen counties of ETDD are well equipped with disposal options for current and future volumes of Class I and Class III/IV waste. Additionally, the Union County Landfill, which operated for decades and accepted waste from across the ETDD region, still holds an active permit and could open to accept waste should a sudden need or opportunity present itself. The Union County Solid Waste Authority Board actively discusses their options for resuming operations at the landfill. With the volumes of waste currently generated, the ETDD region does not currently need any new facilities in the area, and the projected volumes of waste for the next ten years (as detailed in Section 4) do not necessitate any new facilities.

The recycling collection and processing facilities utilized by the counties of ETDD are also adequate for the current and projected volumes of materials generated. All sixteen counties of ETDD provide at least once convenience center for their residents, with Anderson County providing six, Blount County providing one, Campbell County providing nine, Claiborne County providing eight, Cocke County providing eleven, Grainger County providing eight, Hamblen County providing one, Jefferson County providing ten, Knox County providing seven, Loudon County providing three, Monroe

County providing four, Morgan County providing nine, Roane County providing twelve, Scott County providing one, Sevier County providing eleven, and Union County providing six. Table 6-B below further details these facilities and the other public facilities of the ETDD region, including transfer stations. There are minimal shortfalls in recycling collection in the ETDD region. Blount County and Scott County each provide only one convenience center, and additional convenience centers would better serve the residents of those counties. As an alternative, each county could coordinate with their municipalities to provide a curbside recycling collection option. The model for this type of operation is Hamblen County, where the City of Morristown and Hamblen County coordinate to provide curbside recycling collection to all residents within the County boundaries. As detailed in previous sections, the private processing facilities within the ETDD region are well equipped to handle the materials generated, and no shortfall exists with the recycling processing of materials currently collected. However, glass collection for recycling is essentially nonexistent in the ETDD region due to lack of glass processing facilities and the market for recycled glass. All counties address lacks in the glass market and processors as major areas of concern. A potential solution could be a regional glass recycling hub with all counties of ETDD participating in a hub and spoke model and cost sharing the operations of the facility. Developing a market for the processed glass would likely require assistance from TDEC, and such a facility would require extensive planning. The counties of ETDD are otherwise well-served by the processing facilities and markets for recyclables.

Table 6-A  
Disposal Facilities within ETDD Region

<b>Site Name(s)</b>	<b>Current Capacity (tons/year)</b>	<b>Maximum Capacity (tons/year)</b>	<b>Age of Facility</b>	<b>Projected Life of Facility</b>
Chestnut Ridge Landfill	312,000	500,000	37 years	43 years
Alcoa/Maryville/Blount County Class I Landfill	59,470	100,000	45 years	60 years
Alcoa/Maryville/Blount County Class III Landfill	31,188	60,000	45 years	10 years
Claiborne County Class III Landfill	5,000	10,000	7 years	20 years
Cocke County Class IV Landfill	0	10,000	25 years	15 years
Morristown Balefill Landfill	80,000	100,000	30 years	5 years
Lakeway Sanitation and Recycling Class I Landfill	140,000	300,000	15 years	14 years
Lakeway Sanitation and Recycling C&D Landfill	100	10,000	21 years	15 years
Jefferson County Landfill	27,750	40,000	28 years	17 years
Jefferson County Demolition Landfill	14,900	25,000	28 years	7 years
Riverside C&D Landfill	40,000	75,000	35 years	10 years
Poplar View Class III Landfill	50,000	75,000	26 years	>15 years
Yarnell Demolition Landfill	Closed	Closed	Closed	Closed
Loudon County Landfill	185,000	250,000	35 years	7 years
Tennessee Waste Movers Demolition Landfill	Closed	Closed	Closed	Closed
Morgan County Class IV Landfill	2,475	4,000	20 years	10 years
Roberta Landfill Phase II	Closed	Closed	Closed	Closed
Volunteer Regional Landfill	352,125	450,000	23 years	>25 years
Sevier Solid Waste Landfill	10,000	50,000	27 years	25 years
Sevier Solid Waste Class III Landfill	60,000	100,000	5 years	9 years
Union County Landfill	Closed	Closed	Closed	Closed
<b>Total: 21</b>				

Table 6-B  
Solid Waste Facilities within ETDD Region

<b>Site Name(s)</b>	<b>Current Processing Capacity</b>	<b>Estimated Annual Tonnage</b>	<b>Age of Facility</b>	<b>Projected Life of Facility</b>
<i>Anderson County</i>				
Briceville Convenience Center	—————	600	24 years	30 years
East Wolf Valley Convenience Center	—————	4,000	24 years	30 years
Glen Alpine Convenience Center	—————	3,700	24 years	30 years
Frost Bottom Convenience Center	—————	1,500	19 years	30 years
Green Valley Convenience Center	—————	2,700	24 years	30 years
Marlow Convenience Center	—————	2,000	24 years	30 years
<i>Blount County</i>				
Alcoa/Maryville/Blount County Landfill Convenience Center	—————	3,000	25 years	30 years
<i>Campbell County</i>				
Campbell County Transfer Station	21,300	—————	27 years	40 years
Towe String Road Convenience Center	—————	1,655	26 years	30 years
Well Springs Convenience Center	—————	1,655	25 years	30 years
College Hills Convenience Center	—————	1,655	10 years	30 years
Peabody Convenience Center	—————	1,655	10 years	30 years
Vasper Convenience Center	—————	1,655	10 years	30 years
White Oak Convenience Center	—————	1,655	10 years	30 years
Oswego Convenience Center	—————	1,655	10 years	30 years
Elk Valley Convenience Center	—————	1,655	10 years	30 years
Stinking Creek Convenience Center	—————	1,655	24 years	30 years
<i>Claiborne County</i>				
Claiborne County Solid Waste Transfer Facility	16,000	—————	25 years	25 years
Cedar Fork Convenience Center	—————	2,000	25 years	80 years

Clairfield Convenience Center	_____	2,000	25 years	80 years
Harrogate Convenience Center	_____	2,000	10 years	80 years
Highway 33 Convenience Center	_____	2,000	25 years	80 years
Speedwell Convenience Center	_____	2,000	25 years	80 years
Springdale Convenience Center	_____	2,000	25 years	80 years
Sunnyside Convenience Center	_____	2,000	18 years	80 years
Tazewell Convenience Center	_____	2,000	25 years	80 years
<i>Cocke County</i>				
City of Newport Solid Waste Transfer Station	3,500	_____	10 years	20 years
25/70 Convenience Center	_____	2,400	25 years	30 years
Morrell Springs Road Convenience Center	_____	2,400	25 years	30 years
Cosby Convenience Center	_____	2,100	25 years	30 years
Wilton Springs Road Convenience Center	_____	2,100	25 years	30 years
Raven's Branch Convenience Center	_____	1,500	25 years	30 years
Del Rio Convenience Center	_____	1,500	25 years	30 years
Parrottsville Convenience Center	_____	2,000	25 years	30 years
Landfill Location Convenience Center	_____	1,500	25 years	30 years
Bogard Convenience Center	_____	1,500	25 years	30 years
Centerview Convenience Center	_____	1,500	13 years	30 years
Rankin Convenience Center	_____	1,500	25 years	30 years
<i>Grainger County</i>				
Bean Station Convenience Center	_____	3,000	24 years	30 years
Indian Ridge Convenience Center	_____	1,800	24 years	30 years
Rutledge Convenience Center	_____	2,500	24 years	30 years
Shiloh Convenience Center	_____	2,500	24 years	30 years

Thornhill Convenience Center	—————	1,200	24 years	30 years
Washburn Convenience Center	—————	2,500	16 years	30 years
Old Landfill Convenience Center	—————	1,800	22 years	30 years
Blaine Convenience Center	—————	1,800	24 years	30 years
<i>Hamblen County</i>				
Landfill Convenience Center	—————	6,400	23 years	30 years
<i>Jefferson County</i>				
Landfill Convenience Center	—————	1,600	2 years	30 years
Dandridge Convenience Center	—————	2,700	15 years	30 years
White Pine Convenience Center	—————	1,600	15 years	30 years
New Market Convenience Center	—————	1,600	15 years	30 years
Deep Springs Road Convenience Center	—————	1,600	15 years	30 years
Strawberry Plains Convenience Center	—————	1,600	23 years	30 years
Indian Creek Convenience Center	—————	1,600	24 years	30 years
Dickey Road Convenience Center	—————	1,600	15 years	30 years
Rocktown Convenience Center	—————	1,600	15 years	30 years
Highway 92 Convenience Center	—————	2,700	24 years	30 years
<i>Knox County</i>				
Knoxville City Transfer Station	42,000	—————	30 years	30 years
North Knoxville Recycling Drop-off Center	—————	450	30 years	20 years
South Recycling Drop-off Center	—————	450	10 years	20 years
East Recycling Drop-off Center	—————	450	10 years	20 years
West Recycling Drop-off Center	—————	450	10 years	20 years
Downtown Recycling Drop-off Center	—————	450	10 years	20 years
Gibbs Convenience Center	—————	7,045	13 years	>30 years



Halls Convenience Center	_____	9,444	17 years	>30 years
Powell Convenience Center	_____	7,759	12 years	>30 years
Karns Convenience Center	_____	6,354	27 years	>30 years
Dutchtown Convenience Center	_____	8,458	27 years	>30 years
Carter Convenience Center	_____	4,332	27 years	>30 years
John Sevier Convenience Center	_____	8,460	27 years	>30 years
<i>Loudon County</i>				
Greenback Convenience Center	_____	1,800	15 years	30 years
Lenoir City Convenience Center	_____	3,200	24 years	30 years
Loudon Convenience Center	_____	2,100	25 years	30 years
<i>Monroe County</i>				
Little Notchy Creek Convenience Center	_____	2,500	24 years	30 years
Madisonville Convenience Center	_____	2,500	25 years	30 years
Sweetwater Convenience Center	_____	2,500	25 years	30 years
Tellico Plains Convenience Center	_____	2,500	25 years	30 years
<i>Morgan County</i>				
Morgan County Flat Fork Transfer Station	1,000	_____	30 years	20 years
Flat Fork Road Convenience Center	_____	1,000	30 years	20 years
Coalfield Convenience Center	_____	1,000	30 years	20 years
Sunbright Convenience Center	_____	1,000	30 years	20 years
Oakdale Convenience Center	_____	1,000	30 years	20 years
Lancing Convenience Center	_____	1,000	30 years	20 years
Deer Lodge Convenience Center	_____	1,000	30 years	20 years
Chestnut Ridge Convenience Center	_____	1,000	30 years	20 years
Frankfort Convenience Center	_____	1,000	30 years	20 years
Brewster Town Convenience Center	_____	1,000	30 years	20 years

<i>Roane County</i>				
Blue Springs Convenience Center	—————	500	25 years	30 years
Bradbury Convenience Center	—————	450	25 years	30 years
Cave Creek Convenience Center	—————	900	25 years	30 years
Clax Gap Convenience Center	—————	700	25 years	30 years
Glen Alice Convenience Center	—————	500	25 years	30 years
North Gallaher Convenience Center	—————	1,000	25 years	30 years
Orchard View Convenience Center	—————	800	25 years	30 years
Paint Rock Convenience Center	—————	900	25 years	30 years
Post Oak Convenience Center	—————	800	25 years	30 years
Pumphouse Convenience Center	—————	800	25 years	30 years
South 58 Convenience Center	—————	1,000	25 years	30 years
Swan Pond Convenience Center	—————	1,100	25 years	30 years
Recycle Center Convenience Center	—————	4,000	20 years	30 years
<i>Scott County</i>				
Scott County Recycling Center Convenience Center	—————	650	23 years	30 years
<i>Sevier County</i>				
City of Gatlinburg Transfer Station	12,700	—————	26 years	30 years
Sevier Solid Waste Compost Facility	110,000	—————	17 years	30 years
Pittman Center Convenience Center	—————	2,700	26 years	30 years
Newport Highway Convenience Center	—————	2,700	26 years	30 years
Kodak Convenience Center	—————	2,700	26 years	30 years
Boyd's Creek Convenience Center	—————	2,700	9 years	30 years
White School Convenience Center	—————	2,700	26 years	30 years
Pigeon Forge Convenience Center	—————	2,700	26 years	30 years

Bird's Creek Convenience Center	_____	2,700	9 years	30 years
Allensville Convenience Center	_____	2,700	9 years	30 years
Floyd's Market Convenience Center	_____	2,700	26 years	30 years
Jones Cove Convenience Center	_____	900	9 years	30 years
Center View Convenience Center	_____	900	9 years	30 years
Gatlinburg Recycling Collection Center	_____	900	9 years	30 years
Sevierville Recycling Collection Center	_____	250	9 years	30 years
<i>Union County</i>				
Wolfe Road Convenience Center	_____	1,100	27 years	30 years
Sharps Chapel Convenience Center	_____	1,100	20 years	30 years
Blue Springs Convenience Center	_____	1,100	20 years	30 years
Hubbs Grove Convenience Center	_____	1,100	14 years	30 years
Hickory Valley Convenience Center	_____	1,100	15 years	30 years
Hwy 61 West Convenience Center	_____	1,100	12 years	30 years
<b>Total: 122</b>				