



Appalachian States Low-Level Radioactive Waste

Appalachian Compact Low-Level Radioactive Waste Disposal Data

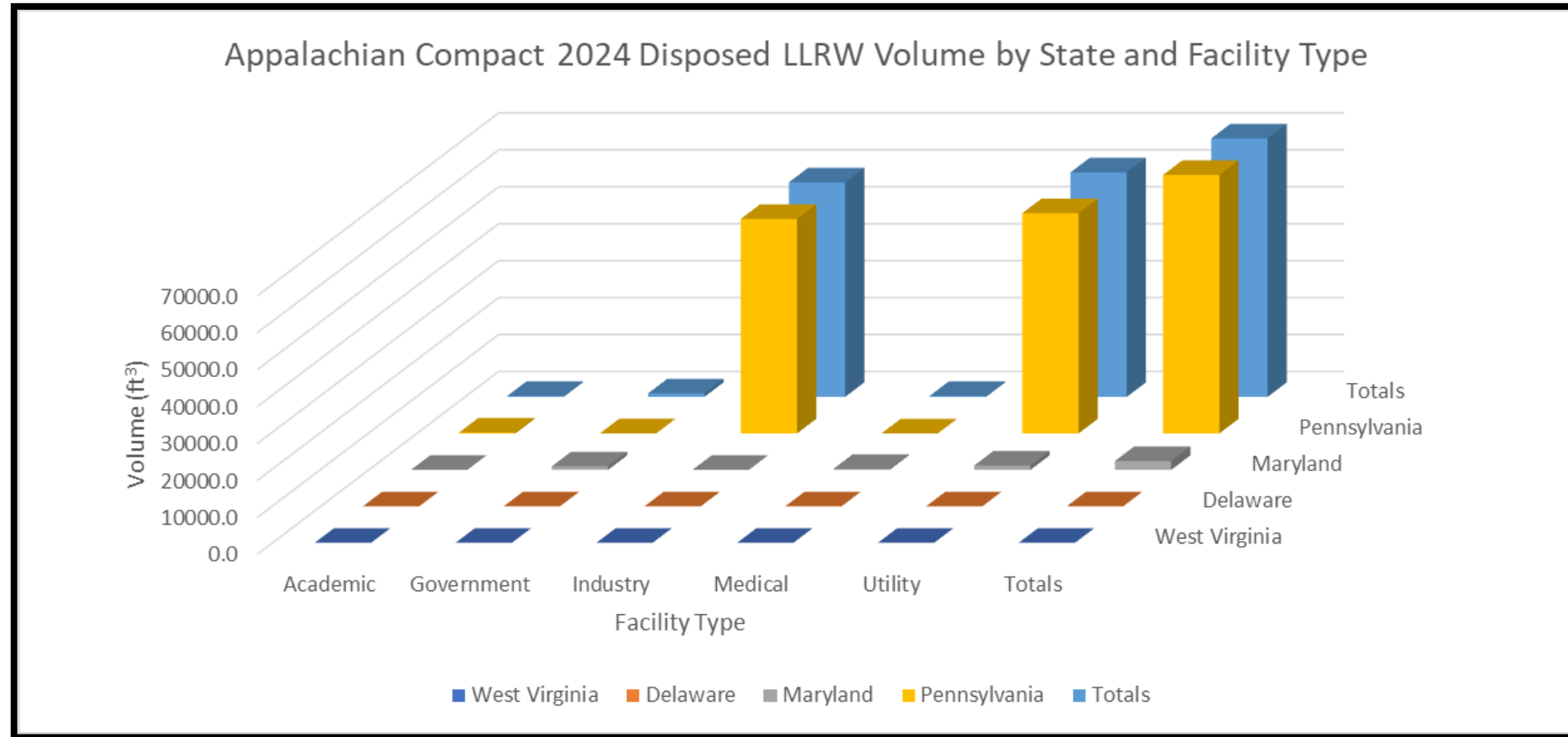
Appalachian Compact Commission Meeting
November 7, 2025

2024 LLRW Disposal Volume

Facility Type/State	West Virginia	Delaware	Maryland	Pennsylvania	Totals
Academic	12.0	4.2	10.7	246.5	273.4
Government	0.0	0.0	945.3	11.3	956.6
Industry	2.1	9.1	32.7	58061.5	58105.4
Medical	<0.1	0.7	263.4	10.1	274.1
Utility	0.0	0.0	1159.9	59634.4	60794.3
Totals	14.1	14.0	2411.9	117963.8	120403.9

Volume is in cubic feet (ft³). This data includes source material disposed of at WCS facility in Andrews, Texas.

2024 LLRW Disposal Volume

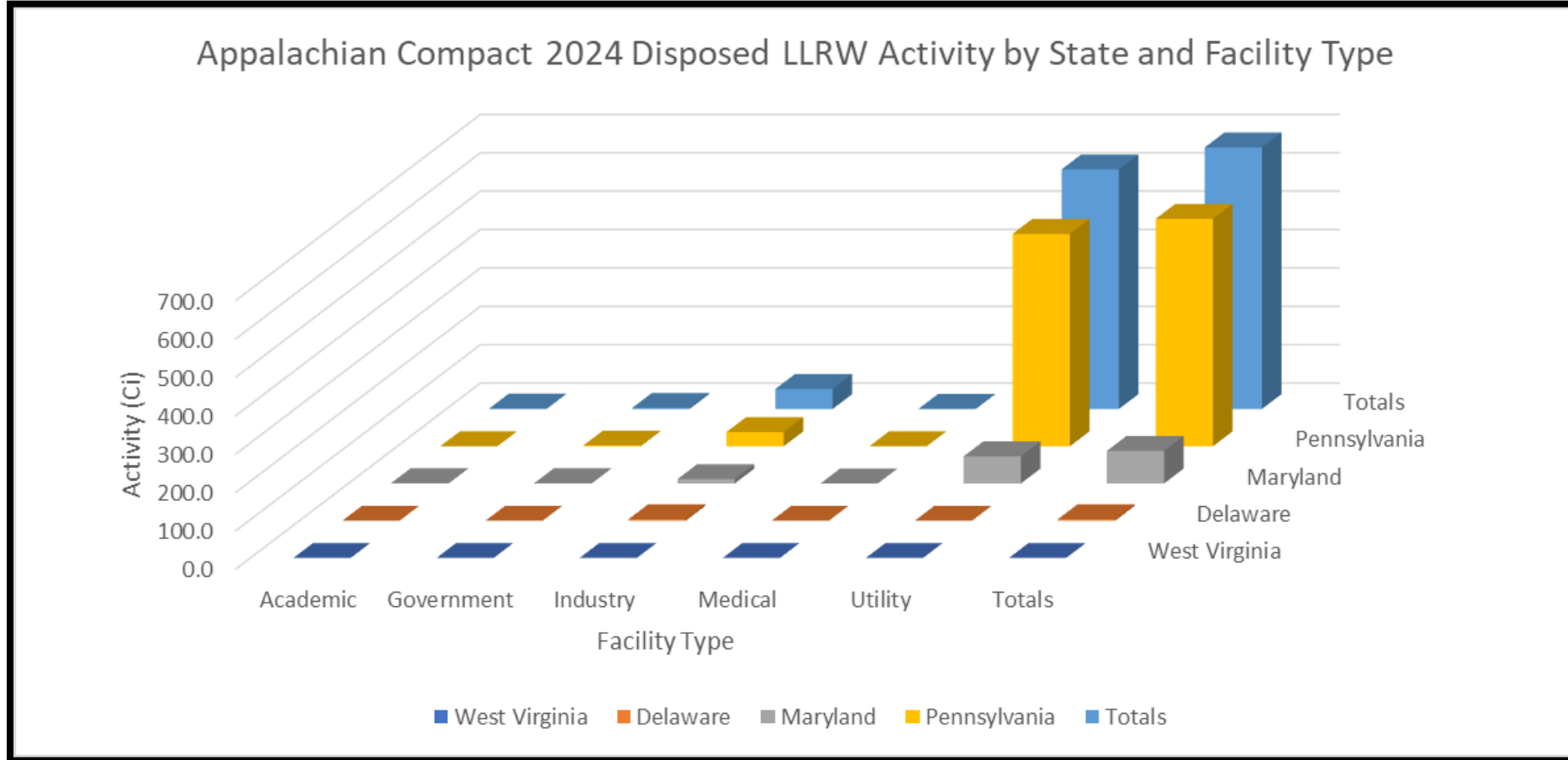


2024 LLRW Disposal Activity

Facility Type/State	West Virginia	Delaware	Maryland	Pennsylvania	Totals
Academic	<0.1	<0.1	1.3	<0.1	1.3
Government	0.0	0.0	1.0	2.0	3.0
Industry	<0.1	4.0	11.4	37.0	52.4
Medical	<0.1	<0.1	0.2	0.3	0.5
Utility	0.0	0.0	71.0	553.7	624.6
Totals	<0.1	4.0	84.9	592.9	681.8

Activity is in curies (Ci). This data includes source material disposed of at WCS facility in Andrews, Texas.

2024 LLRW Disposal Activity

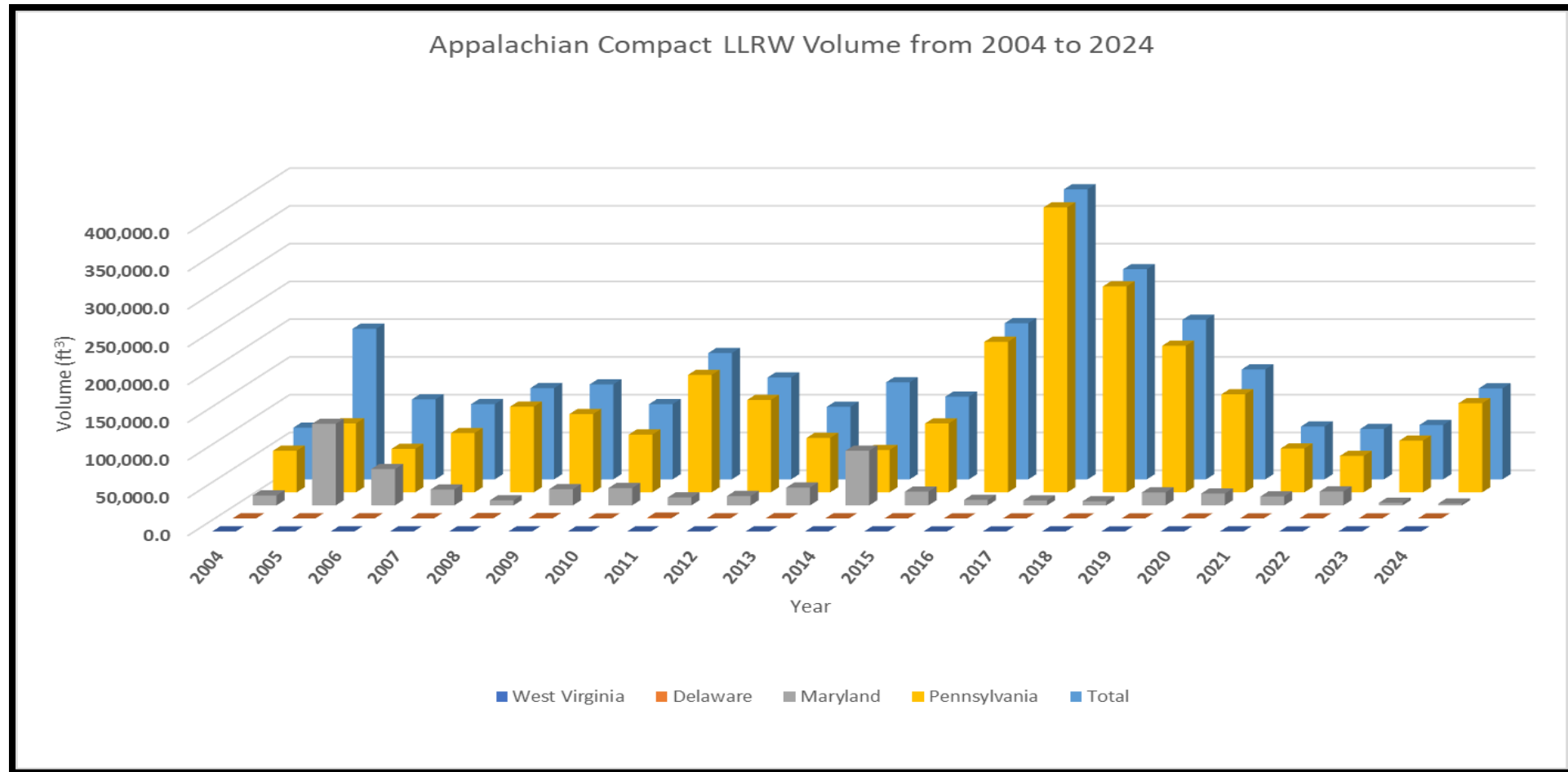


2004-2024 LLRW Disposal Trends-Volume

Year	West Virginia	Delaware	Maryland	Pennsylvania	Total
2004	34.8	48.8	13,177.8	55,136.0	68,397.4
2005	2.4	74.2	107,956.4	91,292.6	199,325.6
2006	38.0	59.2	48,131.8	57,627.7	105,856.7
2007	48.7	42.7	21,015.6	78,454.5	99,561.5
2008	132.2	414.8	6,702.5	113,483.2	120,732.7
2009	134.1	431.2	21,451.3	103,666.9	125,683.5
2010	11.3	29.4	22,957.6	76,519.4	99,517.7
2011	19.1	1,061.0	10,568.7	155,508.5	167,157.3
2012	21.0	75.2	12,364.3	122,380.2	134,840.7
2013	44.8	339.5	23,597.2	72,066.9	96,048.4
2014	24.8	42.7	72,334.3	56,040.4	128,442.2
2015	19.0	45.2	18,202.9	91,222.9	109,490.0
2016	1.8	4.5	7,351.0	199,292.0	206,649.0
2017	0.7	34.1	6,588.0	377,234.0	383,857.0
2018	17.0	0.0	5,498.3	272,620.0	278,135.0
2019	0.0	26.0	17,193.0	194,052.0	211,271.0
2020	22.0	2.7	15,709.0	129,811.0	145,545.0
2021	36.0	8.0	11,824.0	58,078.0	69,946.0
2022	0.0	1.5	18,461.7	48,241.0	66,704.2
2023	42.0	7.4	3,482.0	68,455.0	71,986.4
2024	14.1	14.0	2,411.9	117,963.8	120,403.8
Total 2004 to 2024	663.8	2,762.1	466,979.3	2,539,146.0	Grand Total
					3,009,551

- 2004 to 2008 includes LLRW disposal at Barnwell, South Carolina, and ES facility in Clive, Utah. Barnwell closed to the Appalachian Compact generators on July 1, 2008.
- 2009 to 2013 volume includes disposal at ES facility in Clive, Utah.
- 2014 to 2024 includes LLRW disposal at ES facility in Clive, Utah, and WCS facility in Andrews, Texas.

2004-2024 LLRW Disposal Trends-Volume

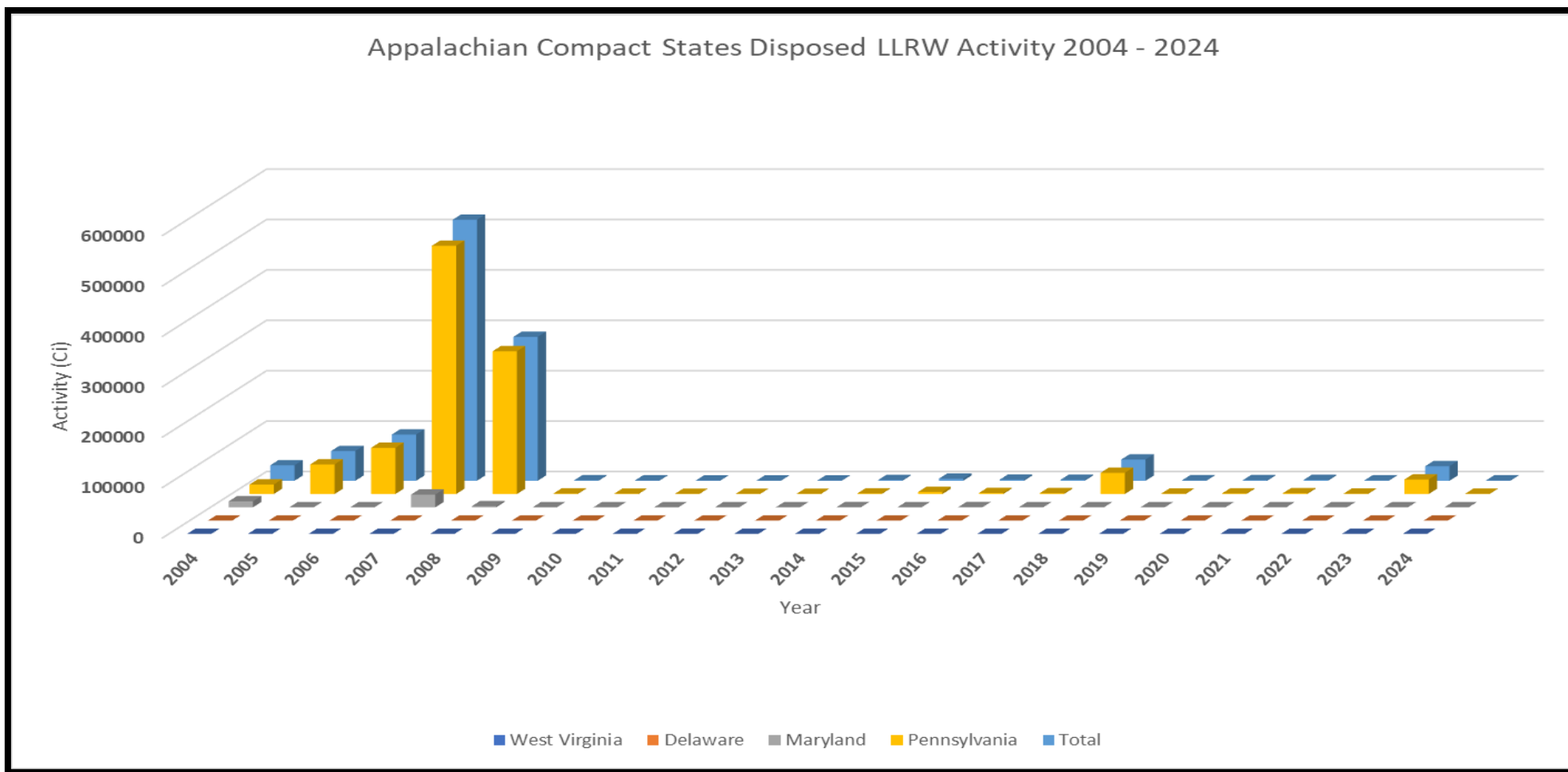


2004-2024 LLRW Disposal Trends-Activity

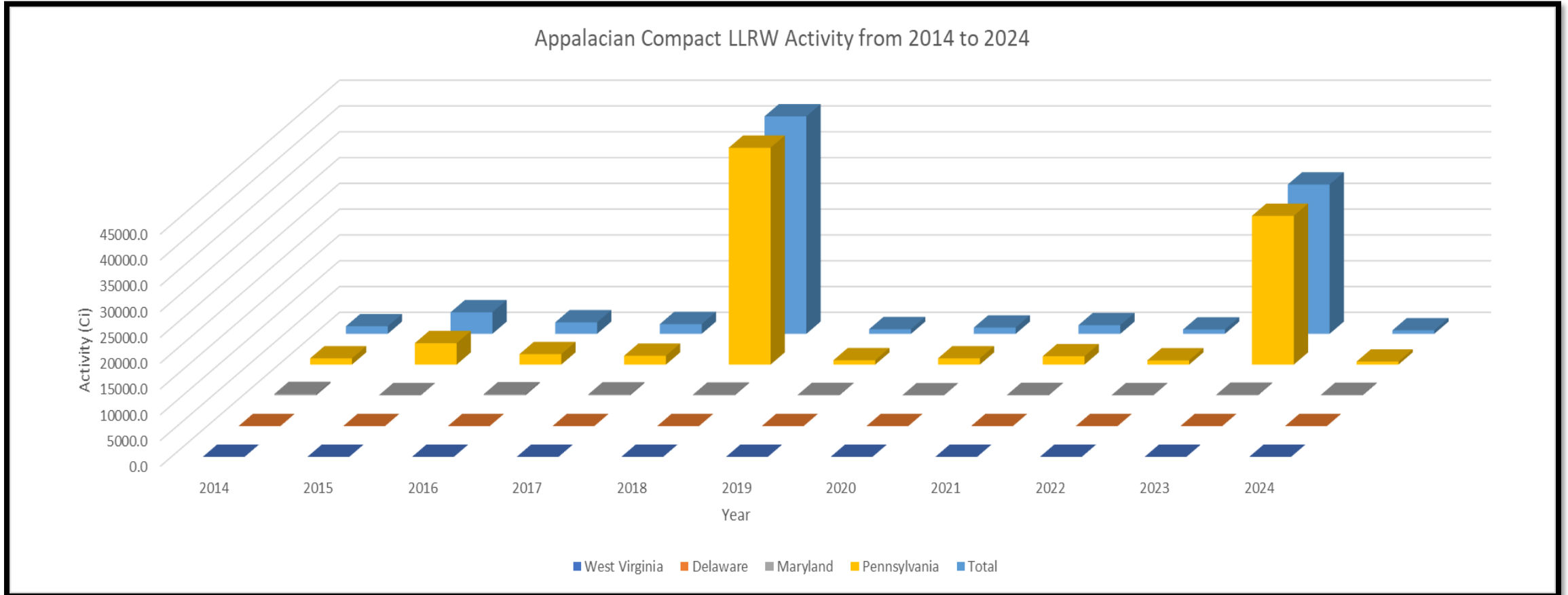
Year	West Virginia	Delaware	Maryland	Pennsylvania	Total
2004	0.8	0.2	11830.7	18,890.3	30,722.0
2005	0.7	31.3	156.8	58,786.2	58,975.0
2006	0	11.9	60.1	91,719.1	91,791.1
2007	0.2	12.9	25304.7	492,579.3	517,897.1
2008	0.1	12.2	2,181.5	283,328.8	285,522.6
2009	0	0.5	4.7	1,001.4	1,006.6
2010	0.0	0.03	1.4	656.8	658.2
2011	0.0	1.0	1.8	492.6	495.4
2012	0.0	0.0	2.1	449.3	451.4
2013	0.0	45.3	15.7	458.5	519.5
2014	0.0	0.01	260.7	1212.8	1,473.5
2015	0.0	0.0	27.8	4,147.3	4,175.1
2016	0.4	0.0	209	2,020.1	2,229.5
2017	0.0	0.0	178.5	1,711.3	1,889.8
2018	0.0	0.0	125.3	42,027.5	42,152.8
2019	0.0	0.0	72.6	834.1	906.7
2020	0.0	0.0	1.52	1,212.0	1,213.5
2021	0.0	0.0	68	1,615.0	1,683.0
2022	0.0	0.0	27.9	818.6	846.5
2023	0.0	0.0	114.88	28,831.3	28,946.2
2024	0.0	4.0	84.86	592.9	681.8
Total 2004 to 2024	2.3	119.4	40,730.6	1,033,385.1	Grand Total
					1,074,237

- 2004 to 2008 includes LLRW disposal at Barnwell, South Carolina, and ES in Clive, Utah
- 2009 to 2013 includes LLRW disposal only at ES in Clive, Utah.
- 2014 to 2024 includes LLRW disposal at ES in Clive, Utah, and WCS in Andrews, Texas.

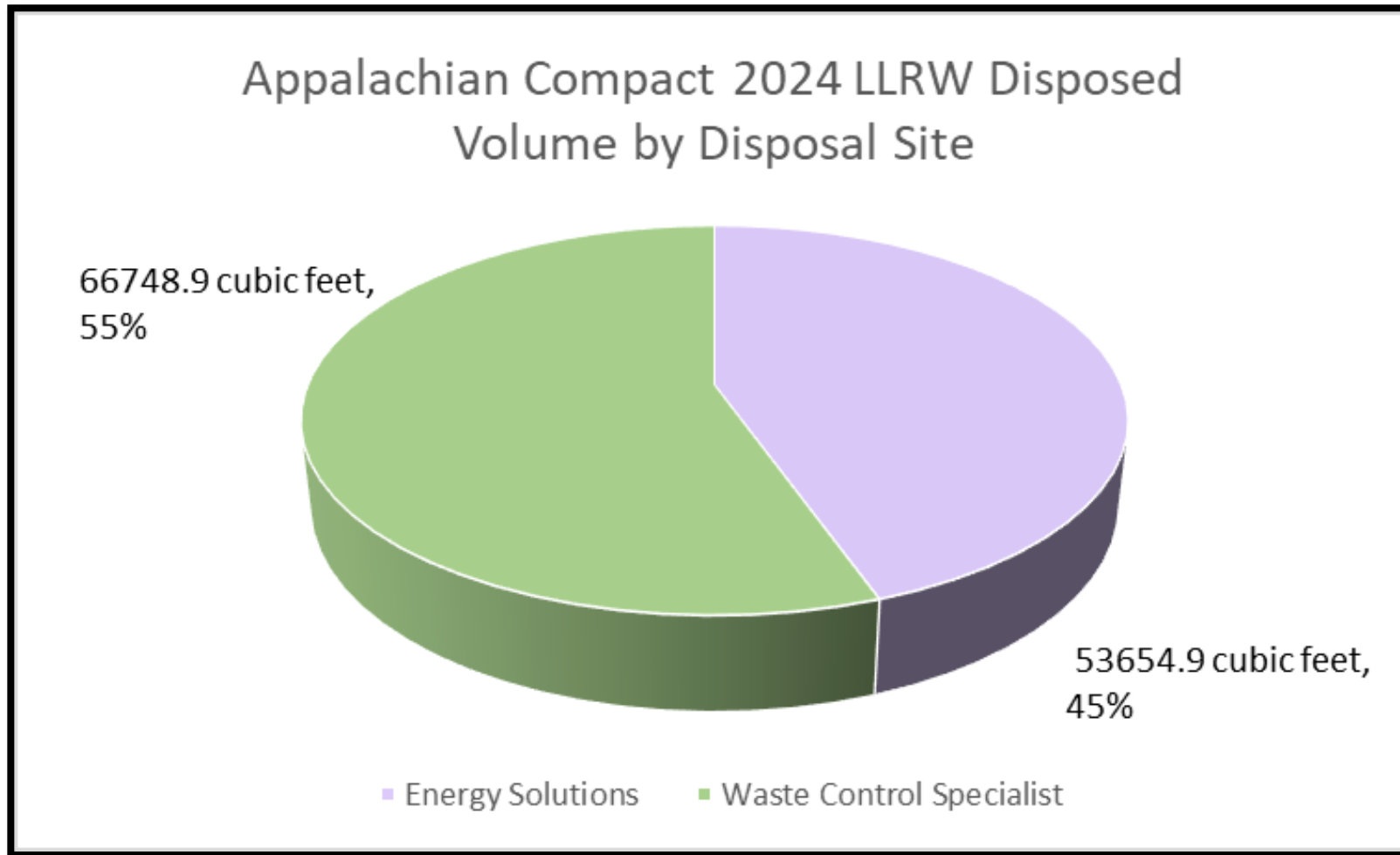
2004-2024 LLRW Disposal Trends-Activity



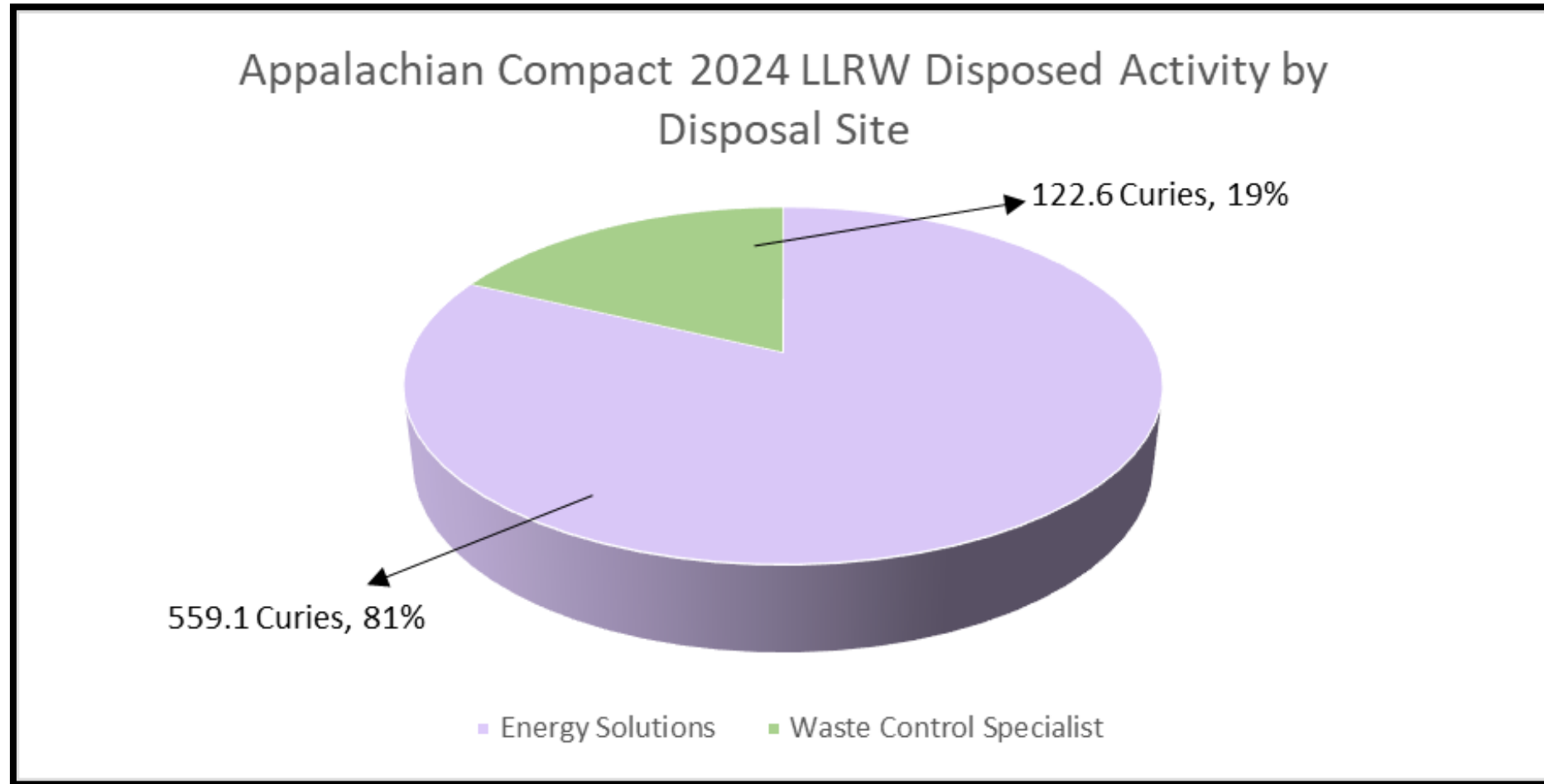
2014-2024 LLRW Disposal Trends-Activity



➤ 2024 LLRW Disposal Facilities-Percent by Volume



➤ 2024 LLRW Disposal Facilities-Percent by Activity





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**Thank you.
Questions?**

Appalachian Compact Commission