

American Disposal Co., Inc.
Commodity Credit Calculation
Deferred Accounting Methodology
Residential Curbside Recycling

After Seventeenth Year Commodity Adjustment

Effective March 1, 2018

Month	Number of Customers	Actual Revenue
December 2016	53,735	86,647
January 2017	53,426	101,462
February	53,340	85,566
March	53,656	126,921
April	53,770	54,311
May	54,138	71,252
June	54,546	99,191
July	54,685	106,829
August	54,881	102,144
September	55,030	70,827
October	55,192	27,619
November	55,237	40,426
Total for Year	651,636	973,195

6-Month Projection at Net Price per Ton

Month	Number of Customers	Actual Revenue
July	54,685	\$ 55,739.18
August	54,881	\$ 45,144.20
September	55,030	\$ 18,851.81
October	55,192	\$ (27,892.68)
November	55,237	\$ (11,273.98)
December	55,306	\$ (14,513.90)
Total of 6 Months	330,332	\$ 66,054.62

Calculation of (Over)/Under Refunded for the 12 months ended 11/30/16

Per Customer Commodity Credit in Effect	Dec 16-Feb 17	\$1.12	
Per Customer Commodity Credit in Effect	Mar-Nov 16	\$1.05	
Total Customer Credits Paid 2016- 2017			694,731
Actual Commodity Revenue			\$973,195
Revenue available for refund			\$973,195
Total (over)/Under Refunded Customers			\$278,464
Revenue due customers		\$278,464	
12-Month number of customers		651,636	
Revenue due per customer		\$0.43	
Projected Revenue next 6-Months			At 100%
6-Months Commodity Value			\$66,055
6-Months Number of Customers			330,332
17-18 Commodity Credit Projection		\$0.20	
True-Up per Customer per Month		\$0.43	
		\$0.63	
		\$0.63	

American Disposal Co., Inc.
Commodity Credit Calculation
Deferred Accounting Methodology
Multi-Family Container Recycling

After Seventeenth Year Commodity Adjustment
Effective March 1, 2018

Month	Number of Yards	Actual Revenue
December 2015	7,770	5,217
January 2016	7,120	5,871
February	7,110	5,904
March	7,090	8,148
April	7,158	3,873
May	7,149	4,751
June	6,536	6,167
July	7,211	6,508
August	7,258	6,109
September	7,306	4,241
October	7,350	1,622
November	7,438	2,549
Total for Year	86,497	60,960

6-Month Projection at Net Price per Ton

Month	Number of Yards	Actual Revenue
July	7,211	\$ 3,395.41
August	7,258	\$ 2,699.48
September	7,306	\$ 1,128.51
October	7,350	\$ (1,638.98)
November	7,438	\$ (711.59)
December	7,466	\$ (835.02)
Total of 6 Months	44,029	\$ 4,037.81

Calculation of (Over) /Under Refunded for the 12 months ended 11/30/16

Per Yard Commodity Credit in Effect	Dec 16-Feb 17	\$0.51	
Per Yard Commodity Credit in Effect	Mar-Nov 17	\$0.48	
Total Customer Credits Paid 2016 - 2017			41,914
Actual Commodity Revenue		\$60,960	
Revenue Available for Refund			\$60,960
Total (over)/Under Refunded Customers			\$19,046
Revenue due customers		\$19,046	
12 Month number of yards		86,497	
Revenue due per yard		\$0.22	
Projected Revenue next 6-Months			At 100%
6-Months Commodity Value			\$4,038
6-Months Number of Customers			44,029
16-17 Commodity Credit Projection per Yard		\$0.09	
	True-Up per Yard per Pickup	\$0.22	
	New Commodity Credit	\$0.31	

American Disposal Co., Inc.
Commodity Credit Calculation
Deferred Accounting Methodology
Residential Curbside Recycling
After Eighteenth Year

Actual Commodity Tons and Prices

	Mixed										Total
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination	
Tons											
December 16	344.18	300.85	405.55	15.65	36.11	43.32	10.83	16.84	6.02	24.06	1,203.41
January 17	358.46	313.33	422.38	16.21	37.60	45.12	11.28	17.55	6.27	25.07	1,253.26
February	273.02	238.66	321.71	12.41	28.64	34.37	8.59	13.36	4.77	19.09	954.63
March	337.48	295.00	397.66	15.34	35.40	42.48	10.62	16.52	5.90	23.60	1,180.00
April	264.14	230.90	311.25	12.01	27.71	33.25	8.31	12.93	4.62	18.47	923.58
May	324.93	284.03	382.87	14.77	34.08	40.90	10.23	15.91	5.68	22.72	1,136.12
June	333.28	291.33	392.72	15.15	34.96	41.95	10.49	16.31	5.83	23.31	1,165.33
July	324.71	283.83	382.61	14.76	34.06	40.87	10.22	15.89	5.68	22.71	1,135.33
August	362.27	316.67	426.87	16.47	38.00	45.60	11.40	17.73	6.33	25.33	1,266.67
September	330.33	288.75	389.23	15.01	34.65	41.58	10.39	16.17	5.77	23.10	1,154.99
October	352.81	308.40	415.72	16.04	37.01	44.41	11.10	17.27	6.17	24.67	1,233.59
November	328.58	287.22	387.17	14.94	34.47	41.36	10.34	16.08	5.74	22.98	1,148.88
Total Tons	3,934.19	3,438.97	4,635.73	178.75	412.68	495.21	123.80	192.57	68.78	275.11	13,755.80
Commodity Mix	28.60%	25.00%	33.70%	1.30%	3.00%	3.60%	0.90%	1.40%	0.50%	2.00%	

	Mixed									
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination
Price/Ton										
December 16	54.34	44.34	70.34	1,164.34	47.34	89.34	184.34	364.34	(90.66)	(220.66)
January 17	61.34	51.34	81.34	1,164.34	62.34	99.34	184.34	424.34	(105.66)	(220.66)
February	68.34	54.34	91.34	1,264.34	62.34	119.34	204.34	444.34	(105.66)	(220.66)
March	75.34	62.34	121.34	1,304.34	82.34	159.34	244.34	524.34	(150.66)	(220.66)
April	4.34	(5.66)	84.34	1,324.34	67.34	174.34	324.34	524.34	(160.66)	(220.66)
May	9.34	(0.66)	94.34	1,284.34	57.34	184.34	184.34	494.34	(160.66)	(220.66)
June	27.34	19.34	134.34	1,184.34	47.34	199.34	184.34	484.34	(165.66)	(220.66)
July	44.34	39.34	139.34	1,214.34	47.34	144.34	184.34	414.34	(165.66)	(220.66)
August	29.34	24.34	124.34	1,184.34	62.34	144.34	184.34	384.34	(165.66)	(220.66)
September	11.34	4.34	94.34	1,244.34	84.34	139.34	154.34	384.34	(175.66)	(220.66)
October	(16.66)	(20.66)	24.34	1,289.34	69.34	84.34	184.34	419.34	(175.66)	(220.66)
November	3.34	(35.66)	58.34	1,254.34	69.34	24.34	244.34	524.34	(180.66)	(220.66)

	Mixed										Total
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination	
Commodity Value											
December 16	18,702.74	13,339.69	28,526.39	18,221.92	1,709.45	3,870.21	1,996.40	6,135.49	-545.77	(5,309.08)	86,647.43
January 17	21,987.64	16,086.62	34,356.02	18,873.95	2,344.00	4,482.24	2,079.37	7,445.79	(662.14)	(5,531.24)	101,462.25
February	18,658.48	12,968.65	29,385.03	15,690.70	1,785.35	4,101.32	1,755.62	5,938.53	(504.33)	(4,212.97)	85,566.37
March	25,425.69	18,390.26	48,251.97	20,008.53	2,914.83	6,768.75	2,594.89	8,662.08	(888.89)	(5,207.57)	126,920.54
April	1,146.39	(1,306.87)	26,250.55	15,900.76	1,865.82	5,796.62	2,695.99	6,779.79	(741.91)	(4,075.95)	54,311.18
May	3,034.85	(187.46)	36,120.19	18,969.14	1,954.35	7,539.57	1,884.89	7,862.82	(912.65)	(5,013.93)	71,251.78
June	9,112.01	5,634.38	52,757.59	17,941.94	1,655.00	8,362.70	1,933.36	7,901.84	(965.24)	(5,142.84)	99,190.73
July	14,397.43	11,166.00	53,312.49	17,922.84	1,612.40	5,899.46	1,883.59	6,585.79	(940.40)	(5,010.45)	106,829.16
August	10,628.95	7,707.70	53,076.84	19,502.22	2,368.93	6,581.93	2,101.49	6,815.66	(1,049.18)	(5,590.08)	102,144.46
September	3,745.92	1,253.17	36,720.23	18,683.66	2,922.36	5,793.73	1,604.36	6,214.74	(1,014.43)	(5,097.22)	70,826.52
October	(5,877.76)	(6,371.49)	10,118.61	20,676.71	2,566.11	3,745.47	2,046.60	7,242.11	(1,083.46)	(5,444.08)	27,618.83
November	1,097.46	(10,242.28)	22,587.68	18,734.15	2,389.90	1,006.70	2,526.46	8,433.67	(1,037.78)	(5,070.25)	40,425.70
Total Value	122,060	68,438	431,464	221,127	26,089	63,949	25,103	86,018	(10,346)	(60,706)	973,194.95

6-Month Projection at Net Price per Ton

<u>Tons</u>	<u>Newspaper</u>	<u>Mixed Paper</u>	<u>Cardboard</u>	<u>Aluminum</u>	<u>Tin</u>	<u>PET</u>	<u>HDPE</u>	<u>Natural</u>	<u>Plastics 3-7</u>	<u>Contamination</u>	<u>Total</u>
December 17	344.18	300.85	405.55	15.65	36.11	43.32	10.83	16.84	6.02	24.06	1,203.41

<u>Price/Ton</u>	<u>Newspaper</u>	<u>Mixed Paper</u>	<u>Cardboard</u>	<u>Aluminum</u>	<u>Tin</u>	<u>PET</u>	<u>HDPE</u>	<u>Natural</u>	<u>Plastics 3-7</u>	<u>Contamination</u>	<u>Mixed</u>
July 17	(0.66)	(5.66)	94.34	1,169.34	2.34	99.34	139.34	369.34	(210.66)	(265.66)	
August	(15.66)	(20.66)	79.34	1,139.34	17.34	99.34	139.34	339.34	(210.66)	(265.66)	
September	(33.66)	(40.66)	49.34	1,199.34	39.34	94.34	109.34	339.34	(220.66)	(265.66)	
October	(61.66)	(65.66)	(20.66)	1,244.34	24.34	39.34	139.34	374.34	(220.66)	(265.66)	
November	(41.66)	(80.66)	13.34	1,209.34	24.34	(20.66)	199.34	479.34	(225.66)	(265.66)	
December	(32.83)	(112.83)	22.17	1,237.17	37.17	(27.83)	157.17	487.17	(202.83)	(267.83)	

<u>Commodity Value</u>	<u>Newspaper</u>	<u>Mixed Paper</u>	<u>Cardboard</u>	<u>Aluminum</u>	<u>Tin</u>	<u>PET</u>	<u>HDPE</u>	<u>Natural</u>	<u>Plastics 3-7</u>	<u>Contamination</u>	<u>Total</u>
July 17	\$ (214.31)	\$ (1,606.50)	\$ 36,095.17	\$ 17,258.67	\$ 79.70	\$ 4,060.22	\$ 1,423.78	\$ 5,870.53	\$ (1,195.85)	\$ (6,032.25)	\$ 55,739.18
August	\$ (5,673.12)	\$ (6,542.36)	\$ 33,867.75	\$ 18,761.22	\$ 658.92	\$ 4,529.92	\$ 1,588.48	\$ 6,017.66	\$ (1,334.19)	\$ (6,730.08)	\$ 45,144.20
September	\$ (11,118.85)	\$ (11,740.51)	\$ 19,204.75	\$ 18,007.99	\$ 1,363.12	\$ 3,922.64	\$ 1,136.58	\$ 5,487.10	\$ (1,274.30)	\$ (6,136.71)	\$ 18,851.81
October	\$ (21,754.05)	\$ (20,249.37)	\$ (8,588.77)	\$ 19,955.06	\$ 900.77	\$ 1,747.06	\$ 1,546.99	\$ 6,464.94	\$ (1,361.02)	\$ (6,554.31)	\$ (27,892.68)
November	\$ (13,688.65)	\$ (23,167.20)	\$ 5,164.89	\$ 18,062.05	\$ 838.91	\$ (854.49)	\$ 2,061.16	\$ 7,709.87	\$ (1,296.28)	\$ (6,104.24)	\$ (11,273.98)
December	\$ (11,299.43)	\$ (33,944.91)	\$ 8,991.04	\$ 19,361.71	\$ 1,342.21	\$ (1,205.60)	\$ 1,702.15	\$ 8,203.94	\$ (1,221.04)	\$ (6,443.99)	\$ (14,513.90)
Total Value	(63,748)	(97,251)	94,735	111,407	5,184	12,200	9,459	39,754	(7,683)	(38,002)	66,055

American Disposal Co., Inc.
 Commodity Credit Calculation
 Deferred Accounting Methodology
 Multi-Family Recycling
 After Eighteenth Year

Actual Commodity Tons and Prices

<u>Tons</u>	<u>Newspaper</u>	<u>Mixed Paper</u>	<u>Cardboard</u>	<u>Aluminum</u>	<u>Tin</u>	<u>PET</u>	<u>HDPE</u>	<u>Natural</u>	<u>Plastics 3-7</u>	<u>Contamination</u>	<u>Total</u>
December 16	20.72	18.12	24.42	0.94	2.17	2.61	0.65	1.01	0.36	1.45	72.46
January 17	20.72	18.12	24.42	0.94	2.17	2.61	0.65	1.01	0.36	1.45	72.46
February	18.84	16.47	22.20	0.86	1.98	2.37	0.59	0.92	0.33	1.32	65.88
March	21.67	18.94	25.53	0.98	2.27	2.73	0.68	1.06	0.38	1.52	75.76
April	18.84	16.47	22.20	0.86	1.98	2.37	0.59	0.92	0.33	1.32	65.88
May	21.67	18.94	25.53	0.98	2.27	2.73	0.68	1.06	0.38	1.52	75.76
June	20.72	18.12	24.42	0.94	2.17	2.61	0.65	1.01	0.36	1.45	72.46
July	19.78	17.29	23.31	0.90	2.08	2.49	0.62	0.97	0.35	1.38	69.17
August	21.67	18.94	25.53	0.98	2.27	2.73	0.68	1.06	0.38	1.52	75.76
September	19.78	17.29	23.31	0.90	2.08	2.49	0.62	0.97	0.35	1.38	69.17
October	20.72	18.12	24.42	0.94	2.17	2.61	0.65	1.01	0.36	1.45	72.46
November	20.72	18.12	24.42	0.94	2.17	2.61	0.65	1.01	0.36	1.45	72.46
Total Tons	245.87	214.92	289.71	11.17	25.79	30.95	7.74	12.03	4.30	17.19	859.67
Commodity Mix	28.60%	25.00%	33.70%	1.30%	3.00%	3.60%	0.90%	1.40%	0.50%	2.00%	100.00%

	Mixed									
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination
<u>Price/Ton</u>										
December 16	\$54.34	\$44.34	\$70.34	\$1,164.34	\$47.34	\$89.34	\$184.34	\$364.34	(\$90.66)	(\$220.66)
January 17	\$61.34	\$51.34	\$81.34	\$1,164.34	\$62.34	\$99.34	\$184.34	\$424.34	(\$105.66)	(\$220.66)
February	\$68.34	\$54.34	\$91.34	\$1,264.34	\$62.34	\$119.34	\$204.34	\$444.34	(\$105.66)	(\$220.66)
March	\$75.34	\$62.34	\$121.34	\$1,304.34	\$82.34	\$159.34	\$244.34	\$524.34	(\$150.66)	(\$220.66)
April	\$4.34	(\$5.66)	\$84.34	\$1,324.34	\$67.34	\$174.34	\$324.34	\$524.34	(\$160.66)	(\$220.66)
May	\$9.34	(\$0.66)	\$94.34	\$1,284.34	\$57.34	\$184.34	\$184.34	\$494.34	(\$160.66)	(\$220.66)
June	\$27.34	\$19.34	\$134.34	\$1,184.34	\$47.34	\$199.34	\$184.34	\$484.34	(\$165.66)	(\$220.66)
July	\$44.34	\$39.34	\$139.34	\$1,214.34	\$47.34	\$144.34	\$184.34	\$414.34	(\$165.66)	(\$220.66)
August	\$29.34	\$24.34	\$124.34	\$1,184.34	\$62.34	\$144.34	\$184.34	\$384.34	(\$165.66)	(\$220.66)
September	\$11.34	\$4.34	\$94.34	\$1,244.34	\$84.34	\$139.34	\$154.34	\$384.34	(\$175.66)	(\$220.66)
October	(\$16.66)	(\$20.66)	\$24.34	\$1,289.34	\$69.34	\$84.34	\$184.34	\$419.34	(\$175.66)	(\$220.66)
November	\$3.34	(\$35.66)	\$58.34	\$1,254.34	\$69.34	\$24.34	\$244.34	\$524.34	(\$180.66)	(\$220.66)

	Mixed										Total
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination	
<u>Commodity Value</u>											
December 16	1,126.17	803.25	1,717.71	1,096.36	102.91	233.06	120.22	369.60	-32.85	-319.79	5,216.65
January 17	1,271.24	930.06	1,986.33	1,096.36	135.52	259.14	120.22	430.47	-38.28	-319.79	5,871.28
February	1,287.56	894.92	2,027.76	1,082.29	123.20	283.02	121.15	409.78	-34.80	-290.71	5,904.15
March	1,632.36	1,180.67	3,097.82	1,284.01	187.14	434.56	166.59	556.09	-57.07	-334.32	8,147.85
April	81.77	-93.21	1,872.36	1,133.65	133.08	413.45	192.29	483.56	-52.92	-290.71	3,873.31
May	202.37	-12.50	2,408.51	1,264.32	130.32	502.74	125.68	524.27	-60.86	-334.32	4,750.54
June	566.61	350.36	3,280.60	1,115.19	102.91	520.01	120.22	491.34	-60.02	-319.79	6,167.42
July	877.16	680.28	3,248.03	1,091.46	98.24	359.42	114.76	401.22	-57.30	-305.25	6,508.01
August	635.70	460.98	3,174.41	1,165.88	141.68	393.65	125.68	407.61	-62.75	-334.32	6,108.53
September	224.33	75.05	2,199.07	1,118.43	175.02	346.97	96.08	372.17	-60.75	-305.25	4,241.11
October	-345.27	-374.27	594.39	1,214.06	150.74	220.01	120.22	425.40	-63.65	-319.79	1,621.84
November	69.22	-646.01	1,424.67	1,181.10	150.74	63.49	159.35	531.91	-65.46	-319.79	2,549.24
Total Value	\$7,629.20	\$4,249.58	\$27,031.65	\$13,843.10	\$1,631.51	\$4,029.52	\$1,582.47	\$5,403.42	-\$646.72	-\$3,793.81	\$60,959.93

6-Month Projection at Net Price per Ton

	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination	Total
<u>Tons</u>											
December 17	19.78	17.29	23.31	0.90	2.08	2.49	0.62	0.97	0.35	1.38	69.17

	Mixed									
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination
<u>Price/Ton</u>										
July 17	\$ (0.66)	\$ (5.66)	\$ 94.34	\$ 1,169.34	\$ 2.34	\$ 99.34	\$ 139.34	\$ 369.34	\$ (210.66)	\$ (265.66)
August	\$ (15.66)	\$ (20.66)	\$ 79.34	\$ 1,139.34	\$ 17.34	\$ 99.34	\$ 139.34	\$ 339.34	\$ (210.66)	\$ (265.66)
September	\$ (33.66)	\$ (40.66)	\$ 49.34	\$ 1,199.34	\$ 39.34	\$ 94.34	\$ 109.34	\$ 339.34	\$ (220.66)	\$ (265.66)
October	\$ (61.66)	\$ (65.66)	\$ (20.66)	\$ 1,244.34	\$ 24.34	\$ 39.34	\$ 139.34	\$ 374.34	\$ (220.66)	\$ (265.66)
November	\$ (41.66)	\$ (80.66)	\$ 13.34	\$ 1,209.34	\$ 24.34	\$ (20.66)	\$ 199.34	\$ 479.34	\$ (225.66)	\$ (265.66)
December	\$ (32.83)	\$ (112.83)	\$ 22.17	\$ 1,237.17	\$ 37.17	\$ (27.83)	\$ 157.17	\$ 487.17	\$ (202.83)	\$ (267.83)

	Mixed										Total
	Newspaper	Mixed Paper	Cardboard	Aluminum	Tin	PET	HDPE	Natural	Plastics 3-7	Contamination	
<u>Commodity Value</u>											
July 17	\$ (13.06)	\$ (97.87)	\$ 2,199.07	\$ 1,051.02	\$ 4.86	\$ 247.37	\$ 86.74	\$ 357.64	\$ (72.86)	\$ (367.50)	\$ 3,395.41
August	\$ (339.30)	\$ (391.28)	\$ 2,025.56	\$ 1,121.58	\$ 39.41	\$ 270.92	\$ 95.00	\$ 359.89	\$ (79.80)	\$ (402.50)	\$ 2,699.48
September	\$ (665.88)	\$ (703.11)	\$ 1,150.12	\$ 1,077.98	\$ 81.64	\$ 234.91	\$ 68.07	\$ 328.59	\$ (76.32)	\$ (367.50)	\$ 1,128.51
October	\$ (1,277.87)	\$ (1,189.48)	\$ (504.52)	\$ 1,171.69	\$ 52.91	\$ 102.62	\$ 90.87	\$ 379.75	\$ (79.95)	\$ (385.00)	\$ (1,638.98)
November	\$ (863.38)	\$ (1,461.22)	\$ 325.76	\$ 1,138.73	\$ 52.91	\$ (53.89)	\$ 130.00	\$ 486.26	\$ (81.76)	\$ (385.00)	\$ (711.59)
December	\$ (649.46)	\$ (1,951.09)	\$ 516.78	\$ 1,111.98	\$ 77.13	\$ (69.30)	\$ 97.84	\$ 471.74	\$ (70.15)	\$ (370.50)	\$ (835.02)
Total Value	-\$3,808.95	-\$5,794.06	\$5,712.78	\$6,672.97	\$308.86	\$732.63	\$568.53	\$2,383.88	-\$460.84	-\$2,278.00	\$4,037.81