

**TABLE A1**

**TABLE 1: 2017 CUSTOMER-RELATED VOLUMES, EMISSIONS, COST OF EMISSIONS AND UNIT RATE**

Line	Rate	Budget Forecast Volumes <sup>1</sup> (10 <sup>3</sup> m <sup>3</sup> )	LFE, Voluntary Participant and Other Exempt Gas Volumes <sup>2</sup> (10 <sup>3</sup> m <sup>3</sup> )	Net Volumes <sup>3</sup> (10 <sup>3</sup> m <sup>3</sup> )	Net CO <sub>2</sub> e Emissions <sup>4</sup> (Tonnes CO <sub>2</sub> e)	Assumed Cost of Allowances <sup>5</sup> (\$/tonne CO <sub>2</sub> e)	Cost of CO <sub>2</sub> e Emissions <sup>6</sup> (\$)	Unit Rate <sup>7</sup> (€/m <sup>3</sup> )
1.1	1	4,911,477.9	0.0	4,911,477.9	9,207,189.1	17.70	162,967,246.7	
1.2	6	4,862,269.2	120,126.9	4,742,142.3	8,889,748.0	17.70	157,348,539.5	
1.3	9	262.8	0.0	262.8	492.7	17.70	8,719.9	
1.4	100	0.0	0.0	0.0	0.0	17.70	0.0	
1.5	110	861,434.8	403,080.8	458,354.0	859,242.8	17.70	15,208,597.3	
1.6	115	490,291.9	304,439.5	185,852.4	348,403.9	17.70	6,166,749.5	
1.7a	125	305,896.4	0.0	305,896.4	573,441.7	17.70	10,149,917.2	
1.7b	125D <sup>8</sup>	325,082.3	0.0	325,082.3	609,408.1	17.70	10,786,522.6	
1.8	135	60,899.0	0.0	60,899.0	114,162.9	17.70	2,020,683.5	
1.9	145	63,318.2	14,091.0	49,227.2	92,282.6	17.70	1,633,402.7	
1.10	170	296,313.0	183,005.6	113,307.4	212,409.1	17.70	3,759,641.3	
1.11	200	170,842.7	170,842.7	0.0	0.0	17.70	0.0	
1.12	300	35,440.4	34,992.0	448.4	840.6	17.70	14,878.3	
<b>1</b>	<b>Total Customer-Related</b>	<b>12,383,528.6</b>	<b>1,230,578.5</b>	<b>11,152,950.1</b>	<b>20,907,621.4</b>	<b>17.70</b>	<b>370,064,898.6</b>	<b>3.3181</b>

Notes:

- (1) Exhibit B, Tab 2, Schedule 1, Table 1, Col. 1 - Col. 2
- (2) Exhibit B, Tab 2, Schedule 1, Table 1, Col. 4 and Col. 5. Rate 300 is landfill gas volume.
- (3) Col. 1 - Col. 2
- (4) Exhibit B, Tab 3, Schedule 1, Table 1, Col. 5
- (5) Internal forecast of carbon allowance pricing based on past auction data and Cap and Trade Regulation
- (6) Col. 4 x Col. 5
- (7) (Col. 6 / (Col. 3 x 1000)) x 100
- (8) Dedicated unbundled customers

**Customer-Related Unit Rate Calculation**

Cap and Trade Customer Related Charge = Cost of CO<sub>2</sub>e Emissions / Net Volumes  
 = \$ 370,064,898.6 / 11,152,950.1 10<sup>3</sup>m<sup>3</sup>  
 = 3.3181 €/m<sup>3</sup>

**TABLE A2**

**TABLE 2: 2017 FACILITY-RELATED VOLUMES, EMISSIONS, COST OF EMISSIONS AND UNIT RATES**

Line	Col. 1	Col. 2	Col. 3	Col. 4	Col. 5
	Volumes <sup>1</sup> (10 <sup>3</sup> m <sup>3</sup> )	CO <sub>2</sub> e Emissions <sup>2</sup> (Tonnes CO <sub>2</sub> e)	Assumed Cost of Allowances <sup>3</sup> (\$/tonne CO <sub>2</sub> e)	Cost of CO <sub>2</sub> e Emissions <sup>4</sup> (\$)	Unit Rate (€/m <sup>3</sup> )
2.1	Company Use				
2.1.1	Fleet	2,811.9	17.70	49,771.3	
2.1.2	Buildings	2,823.0	17.70	49,967.6	
2.1.3	Boilers	7,307.8	17.70	129,348.0	
2.1	Company Use	12,942.8	17.70	229,086.9	0.0018 <sup>5</sup>
2.2	Unaccounted For Gas (UAF)	184,236.5	17.70	3,260,985.5	0.0271 <sup>6</sup>
2.3	Compressor Fuel	31,966.0	17.70	565,797.5	0.0048 <sup>7</sup>
2	Total Facility-Related	229,145.2	17.70	4,055,870.0	0.0337

Notes:

- (1) Exhibit B, Tab 2, Schedule 1, Table 2
- (2) Exhibit B, Tab 3, Schedule 1, Table 3, Col. 5
- (3) Internal forecast of carbon allowance pricing based on past auction data and Cap and Trade Regulation
- (4) Col. 2 x Col. 3
- (5) Cost of CO<sub>2</sub>e emissions / Total customer-related volume = [Col. 4 / (Exhibit A1, Table 1, Line 1, Col. 1 x 1000)] x 100
- (6) Cost of CO<sub>2</sub>e emissions / (Total customer-related volume - Rate 125D customers - landfill gas volume) = [Col. 4 / ((Exhibit A1, Table 1, Line 1, Col. 1 - Line 1.7b, Col. 1 - Line 1.12, Col. 2) x 1000)] x 100
- (7) Cost of CO<sub>2</sub>e emissions / (Total customer-related volume excluding unbundled customers (Rates 125 and 300) + Rate 325 Volume) = [Col. 4 / ((Exhibit A1, Table 1, Line 1, Col. 1 - Line 1.7a, Col. 1 - Line 1.7b, Col. 1 - Line 1.12, Col. 1 + 190,328 10<sup>3</sup> m<sup>3</sup>) x 1000) x 100

**Facility-Related Unit Rate Calculations**

Company Use = Cost of CO<sub>2</sub>e Emissions for Company Use / Total Customer-Related Volume  
 = \$ 229,086.9 / 12,383,528.6 10<sup>3</sup>m<sup>3</sup>  
 = 0.0018 €/m<sup>3</sup>

Unaccounted For Gas Volumes = Cost of CO<sub>2</sub>e Emissions for Unaccounted For Gas / (Total Customer-Related Volume Excluding Rate 125D and Landfill Gas)  
 = \$ 3,260,985.5 / (12,383,528.6 - 325,082.3 - 34,992.0) 10<sup>3</sup>m<sup>3</sup>  
 = 0.0271 €/m<sup>3</sup>

Compressor Fuel Volumes = Cost of CO<sub>2</sub>e Emissions for Compressor Fuel / (Total Customer-Related Volume Excluding Unbundled Customers + Rate 325 Volume)  
 = \$ 565,797.5 / (12,383,528.6 - 305,896.4 - 325,082.3 - 35,440.4 + 190,328.0) 10<sup>3</sup>m<sup>3</sup>  
 = 0.0048 €/m<sup>3</sup>

Facility-Related Charge = 0.0018 + 0.0271 + 0.0048 €/m<sup>3</sup>  
 = 0.0337 €/m<sup>3</sup>

**TABLE A3**

**TABLE 3: 2017 CAP & TRADE UNIT RATE SUMMARY**

		Col. 1	
Line		Unit Rate	
		(¢/m <sup>3</sup> )	
1	Customer-Related	3.3181	1
Facility-Related:			
2.1	Company Use	0.0018	2
2.2	UAF	0.0271	3
2.3	Compressor Fuel	0.0048	4
2	Facility-Related	0.0337	5
3	<b>Total</b>	<b>3.3518</b>	<b>6</b>

Notes:

- (1) Exhibit A1, Table 1, Line 1, Col. 8
- (2) Exhibit A2, Table 2, Line 2.1, Col. 5
- (3) Exhibit A2, Table 2, Line 2.2, Col. 5
- (4) Exhibit A2, Table 2, Line 2.3, Col. 5
- (5) Line 2.1 + Line 2.2 + Line 2.3
- (6) Line 1 + Line 2

**TABLE A4**

**TABLE 4: 2017 CAP AND TRADE UNIT RATE SUMMARY BY RATE CLASS**

Rate Class	Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 1	3.3518	0.0337
Rate 6	3.3518	0.0337
Rate 9	3.3518	0.0337
Rate 100	3.3518	0.0337
Rate 110	3.3518	0.0337
Rate 115	3.3518	0.0337
Rate 125	3.3471	0.0290
Rate 125 Dedicated	3.3199	0.0018
Rate 135	3.3518	0.0337
Rate 145	3.3518	0.0337
Rate 170	3.3518	0.0337
Rate 200	0.0337	0.0337
Rate 300	3.3471	0.0290
Rate 300 Interruptible	3.3471	0.0290
Rate 315	0.0048	0.0048
Rate 316	0.0048	0.0048
Rate 320	0.0000	0.0000
Rate 325	0.0066	0.0066
Rate 330	0.0066	0.0066
Rate 331	0.0018	0.0018
Rate 332	0.0018	0.0018

(1) Includes Voluntary Participants and Other Exempt Gas Volumes

**TABLE A5**

TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 1	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	<u>0.0337</u>	<u>0.0337</u>
	Total	3.3518	0.0337
Rate 6	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	<u>0.0337</u>	<u>0.0337</u>
	Total	3.3518	0.0337
Rate 9	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	<u>0.0337</u>	<u>0.0337</u>
	Total	3.3518	0.0337
Rate 100	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	<u>0.0337</u>	<u>0.0337</u>
	Total	3.3518	0.0337

**TABLE A5**

**TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS**

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 110	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	3.3518	0.0337
Rate 115	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	3.3518	0.0337
Rate 125	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0290	0.0290
	Total	3.3471	0.0290
Rate 125 Dedicated	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0000	0.0000
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0018	0.0018
	Total	3.3199	0.0018

**TABLE A5**

**TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS**

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 135	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	3.3518	0.0337
Rate 145	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	3.3518	0.0337
Rate 170	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	3.3518	0.0337
Rate 200	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0337	0.0337
	Total	0.0337	0.0337

**TABLE A5**

**TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS**

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 300	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0290	0.0290
Total		3.3471	0.0290
Rate 300 Interruptible	Customer-Related	3.3181	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0271	0.0271
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0290	0.0290
Total		3.3471	0.0290
Rate 315	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0000	0.0000
	UAF	0.0000	0.0000
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0048	0.0048
Total		0.0048	0.0048
Rate 316	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0000	0.0000
	UAF	0.0000	0.0000
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0048	0.0048
Total		0.0048	0.0048



**TABLE A5**

**TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS**

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 320	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0000	0.0000
	UAF	0.0000	0.0000
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0000	0.0000
	Total	0.0000	0.0000
Rate 325	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0000	0.0000
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0066	0.0066
	Total	0.0066	0.0066
Rate 330	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0000	0.0000
	Compressor Fuel	0.0048	0.0048
	Facility-Related	0.0066	0.0066
	Total	0.0066	0.0066
Rate 331	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0000	0.0000
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0018	0.0018
	Total	0.0018	0.0018

**TABLE A5**

**TABLE 5: 2017 CAP AND TRADE UNIT RATE BREAKDOWN BY RATE CLASS**

Rate Class		Non-Large Final Emitter (¢/m <sup>3</sup> )	Large Final Emitter <sup>1</sup> (¢/m <sup>3</sup> )
Rate 332	Customer-Related	0.0000	
	Facility-Related:		
	Company Use	0.0018	0.0018
	UAF	0.0000	0.0000
	Compressor Fuel	0.0000	0.0000
	Facility-Related	0.0018	0.0018
	Total	0.0018	0.0018

(1) Includes Voluntary Participants and Other Exempt Gas Volumes