



Delivering what matters

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URGENCY
CLIMATE CHANGE STRATEGY

APPENDICES

APPENDIX A

ADJUSTMENT OF REPORTED 2020/21 GREENHOUSE GAS EMISSIONS

	Reported 2020/21 (tCO ₂ e)	Adjustments 2020/21 (tCO ₂ e)	Restated 2020/21 (tCO ₂ e)
Scope 1 direct emissions*			
Direct emissions from burning of fossil fuels	4,520	(2,670)	1,850
Process emissions from our treatment plants	13,100	(4,920)	8,180
Transport: Company owned or leased vehicles	2,569	(69)	2,500
Total scope 1 direct emissions	20,189	(7,659)	12,530
Scope 2 energy indirect emissions*			
Grid electricity purchased	69,300	(2,870)	66,430
Total scope 2 energy indirect emissions	69,300	(2,870)	66,430
Total scope 1 and scope 2 (gross of avoided emissions)	89,489	(10,529)	78,960
Avoided emissions			
Avoided emissions from renewable electricity exported	(605)	-	(605)
Avoided emissions from renewable electricity purchased	(28,490)	-	(28,490)
Total avoided emissions	(29,095)	-	(29,095)
Total scope 1 and scope 2 (net of avoided emissions)	60,394	(10,529)	49,865

*The scope 1 and scope 2 emissions relating to Omega and Kinnegar Public Private Partnership contracts have been reclassified to scope 3 emissions

APPENDIX B

ADJUSTMENT OF REPORTED SCOPE 3 GREENHOUSE GAS EMISSIONS 2020/21

Scope 3 category	Reported 2020/21 (tCO ₂ e)		Adjustments 2020/21 (tCO ₂ e)	Restated 2020/21 (tCO ₂ e)
Purchased goods and services*	-	10,529	68	10,597
Waste generated in operations	12,400	-	-	12,400
Fuel and energy	5,960	-	-	5,960
Transport and distribution**	68	(68)	-	-
Total	18,428	10,461	68	28,957

*The scope 1 and scope 2 emissions relating to Omega and Kinnegar Public Private Partnership contracts have been reclassified to scope 3 emissions.

**Reclassification to purchased goods and services.

APPENDIX C

ADDITIONAL ANALYSIS OF OUR SCOPE 3 EMISSIONS FOR 2020/21 ACROSS ALL RELEVANT CATEGORIES

Scope 3 category	Analysis 2020/21 (tCO ₂ e)	Total 2020/21 (%)
Purchased goods and services	39,269	50
Capital goods and services	33,204	42
Waste generated in operations	2,250	3
Employee commuting and homeworking	1,590	2
Fuel and energy	1,400	2
Transport and distribution	1,120	1
Leased assets	100	-
Total	78,933	100

APPENDIX D

TOTAL ESTIMATED SCOPE 3 EMISSIONS IN 2020/21 (RESTATED SCOPE 3 EMISSIONS PLUS ADDITIONAL ANALYSIS OF SCOPE 3 EMISSIONS ACROSS ALL RELEVANT CATEGORIES)

Scope 3 category	Restated 2020/21 (tCO ₂ e)	Additional analysis 2020/21 (tCO ₂ e)	Total 2020/21 (tCO ₂ e)	Total 2020/21 (%)
Purchased goods and services	10,597	39,269	49,866	46
Capital goods and services	-	33,204	33,204	31
Waste generated in operations	12,400	2,250	14,650	14
Employee commuting and homeworking	-	1,590	1,590	1
Fuel and energy	5,960	1,400	7,360	7
Transport and distribution	-	1,120	1,120	1
Leased assets	-	100	100	-
Total	28,957	78,933	107,890	100

APPENDIX E

TOTAL EMISSIONS BASELINE FOR 2020/21

	2020/21 (tCO ₂ e) Market based***	2020/21 (tCO ₂ e) Location based****
Scope 1 direct emissions*		
Direct emissions from burning of fossil fuels	1,850	1,850
process emissions from our treatment plants	8,180	8,180
Transport: Company owned or leased vehicles	2,500	2,500
Total scope 1 direct emissions	12,530	12,530
Scope 2 energy indirect emissions*		
Grid electricity purchased**	35,634	66,430
Total scope 2 energy indirect emissions	35,634	66,430
Total scope 1 and scope 2 (gross of avoided emissions)	48,164	78,960
Avoided emissions		
Avoided emissions from renewable electricity exported	(605)	(605)
Avoided emissions from renewable electricity purchased	n/a	(28,490)
Total avoided emissions	(605)	(29,095)
Total scope 1 and scope 2 (net of avoided emissions)	47,559	49,865
Scope 3 other indirect emissions		
Purchased goods and services	49,866	49,866
Capital goods and services	33,204	33,204
Waste generated in operations	14,650	14,650
Employee commuting and homeworking	1,590	1,590
Fuel and energy	7,360	7,360
Transport and distribution	1,120	1,120
Leased assets	100	100
Total scope 3 other indirect emissions	107,890	107,890
Total reported emissions 2020/21 (net of avoided emissions)	155,449	157,755

*The scope 1 and scope 2 emissions relating to Omega and Kinnegar Public Private Partnership contracts have been reclassified to scope 3 emissions.

**Market-based emissions from grid electricity purchased derived on a pro-rata basis using 2021/22 emissions.

***Market-based figures use emission factors specific to the actual electricity purchased.

****Location-based figures use average grid emissions to calculate electricity emissions.

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