

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO			
1	Saudi Aramco, Saudi Arabia																																										
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11																																											
12																																											
13																																											
14	Entity CO2 emissions	MtCO2	kg CO2/tCO2																																								
15	Oil & NGLs	MtCO2	linked																																								
16	Natural Gas	MtCO2	linked																																								
17	Coal	MtCO2	linked																																								
18	Combustion total	MtCO2	sum																																								
19																																											
20	Oil & NGLs: Venting	MtCO2	calculated	3.83																																							
21	Oil & NGLs: Flaring	MtCO2	calculated	15.94																																							
22	Own fuel use	MtCO2	calculated	57.26																																							
23	Natural Gas: Venting	MtCO2	calculated	28.53																																							
24	Natural Gas: Flaring	MtCO2	calculated	1.74																																							
25	Venting & Flaring total	MtCO2	sum																																								
26	Cement	MtCO2	linked																																								
27	Total CO2 emissions	MtCO2	sum																																								
28																																											
29	Entity methane emissions	MtCH4	kg CH4/tCO2																																								
30	Methane: Oil & NGLs	MtCH4	calculated	1.92																																							
31	Methane: Natural Gas	MtCH4	calculated	9.88																																							
32	Methane: Coal	MtCH4	calculated	4.03																																							
33	Total methane emissions	MtCH4	sum																																								
34	Entity methane emissions	MtCO2e	GWP																																								
35	Methane: Oil & NGLs	MtCO2e	calculated	28																																							
36	Methane: Natural Gas	MtCO2e	calculated	28																																							
37	Methane: Coal	MtCO2e	calculated	28																																							
38	Total methane emissions	MtCO2e	sum (per IPCC AR5)																																								
39																																											
40	Entity attributed emissions	MtCO2e	sum																																								
41																																											
42																																											
43																																											
44																																											
45																																											
46																																											
47																																											
48	CDIAC CO2 emissions	MtCO2	Converted to CO2:	4,595	198	198	209	216	253	260	278	282	286	304	333	348	352	377	410	436	447	476	491	520	539	575	638	674	638	689	700	711	718	769	865	890	938	997	1,008				
49	Oil, Natural Gas, Coal, Flaring, & Cement	Mt Carbon	Sum 1751-1849:	1,254	54	54	57	59	69	71	76	77	78	83	91	95	96	103	112	119	122	130	134	142	147	157	174	184	174	188	191	194	196	210	236	243	256	272	275				
50																																											
51	Entity percent of total CO2 emissions	Percent			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%					
52																																											
53	CDIAC/EDGAR methane	Tg CH4	(MtCH4)			2.22	2.35	2.34	2.51	2.73	2.89	3.04	3.26	3.22	3.34	3.41	3.80	4.13	4.41	4.3	4.4	4.5	4.6	4.8	5.3	5.7	6.1	6.5	6.5														
54	Entity percent of total methane emissions	Percent																																									
55																																											
56																																											
57	Stern, D.I., & R.K. Kaufmann (1998) "Annual Estimates of Global Anthropogenic Methane Emissions: 1860-1994," in Trends Online: A Compendium of Data on Global Change, CDIAC, ORNL, <a href="http://cdiac.esd.ornl.gov/trends/meth/ch4.htm#flaring">http://cdiac.esd.ornl.gov/trends/meth/ch4.htm#flaring</a> .																																										
58	European Commission's Joint Research Centre (2011) "Global Emissions EDGAR v4.2: Methane Emissions," Emission Database for Global Atmospheric Research (EDGAR), Nov'11; <a href="http://edgar.jrc.ec.europa.eu/overview.php?v=42">edgar.jrc.ec.europa.eu/overview.php?v=42</a>																																										
59																																											
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	AP	AQ	AR	AS	AT	AU	AV	AW	AX	AY	AZ	BA	BB	BC	BD	BE	BF	BG	BH	BI	BJ	BK	BL	BM	BN	BO	BP	BQ	BR	BS	BT	BU	BV	BW	BX	BY	BZ	CA	CB	CC	CD
1	<b>Entity emissions from combustion, venting, flaring, and fugitive methane</b>																																								
2																																									
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11	1885	1886	1887	1888	1889	1890	1891	1892	1893	1894	1895	1896	1897	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	1910	1911	1912	1913	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
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48	1,019	1,033	1,081	1,198	1,198	1,304	1,359	1,370	1,356	1,403	1,488	1,535	1,612	1,700	1,861	1,957	2,026	2,074	2,261	2,286	2,433	2,594	2,869	2,744	2,876	3,001	3,060	3,221	3,459	3,115	3,071	3,298	3,503	3,430	2,95						



	DR	DS	DT	DU	DV	DW	DX	DY	DZ	EA	EB	EC	ED	EE	EF	EG	EH	EI	EJ	EK	EL	EM	EN	EO	EP	EQ	ER	ES	ET	EU	EV	EW	EX	EY	EZ	FA	FB	FC	FD	
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15	30	36	39	43	46	53	67	84	265	679	567	1,159	1,252	1,128	1,296	1,359	1,365	916	638	581	455	677	588	726	716	921	1,169	1,192	1,154	1,158	1,172	1,155	1,189	1,086	1,163	1,135	1,046	1,242		
16	0.2	0.2	0.2	0.4	0.5	0.4	0.5	0.5	2	7	6	7	8	18	21	24	30	23	22	33	38	48	40	48	58	61	64	70	70	77	79	81	83	86	94	104	114	127		
17	30	36	39	43	46	54	67	85	267	686	573	1,167	1,261	1,146	1,317	1,383	1,396	939	660	614	493	725	627	774	774	981	1,233	1,262	1,224	1,236	1,237	1,253	1,238	1,275	1,173	1,257	1,239	1,161	1,370	
18	0	0	0	0	0	0	0	0	1	3	2	4	5	4	5	5	5	4	2	2	2	3	2	3	4	4	4	5	4	4	4	4	4	4	5					
19	0	1	1	1	1	1	4	11	9	18	20	18	21	22	22	15	10	9	7	11	9	12	11	15	19	19	18	18	18	19	18	19	17	19	18	20				
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	2	2	3	3	3	4	4	4	5	4	4	4	4	4	4	4	5					
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
25	1	1	1	1	1	1	2	5	14	12	24	26	24	28	29	30	20	15	14	12	18	15	19	19	24	29	30	29	30	30	30	30	31	29	31	32	31	36		
26																																								
27																																								
28																																								
29	31	37	40	44	47	55	68	86	273	700	585	1,190	1,286	1,170	1,345	1,412	1,425	959	675	629	506	742	643	793	793	1,005	1,262	1,291	1,253	1,265	1,267	1,283	1,269	1,306	1,202	1,288	1,270	1,191	1,405	
30																																								
31																																								
32																																								
33	0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	3	3	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2					
34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1					
35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
36	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	3	3	2	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4				
37																																								
38	2	2	2	2	2	3	4	5	14	37	31	62	67	61	70	73	74	49	34	31	25	36	32	39	39	50	63	64	62	62	63	62	64	58	63	61	56	67		
39	0	0	0	0	0	0	1	2	2	2	5	6	7	8	6	6	9	11	13	11	13	16	17	18	19	19	21	22	22	23	24	24	26	29	32	35				
40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
41	2	2	2	2	2	3	3	4	5	15	39	32	64	70	66	76	80	82	56	41	40	35	50	43	52	55	66	81	84	81	84	84	85	85	88	82	89	90	88	102
42																																								
43																																								
44																																								
45	33	39	42	47	50	58	72	91	288	739	617	1,255	1,356	1,235	1,421	1,492	1,507	1,015	715	669	541	792	685	845	848	1,071	1,342	1,375	1,335	1,349	1,351	1,368	1,354	1,394	1,284	1,377	1,360	1,279	1,507	
46																																								
47																																								
48	11,467	12,046	12,435	13,064	13,847	14,847	15,411	16,028	16,898	16,928	16,827	17,806	18,356	18,563	19,595	19,385	18,788	18,629	18,550	19,222	19,794	20,397	20,910	21,682	22,155	22,183	22,431	22,193	22,154	22,539	23,012	23,528	23,932	24,560	25,139	25,492	26,861			
49	3,129	3,288	3,394	3,565	3,779	4,052	4,206	4,374	4,612	4,620	4,592	4,859	5,010	5,066	5,348	5,291	5,127	5,084	5,063	5,246	5,402	5,567	5,707	5,917	6,046	6,054	6,122	6,057	6,046	6,151	6,280	6,421	6,527	6,545	6,531	6,703	6,861	6,957	7,331	
50	51.2%	53.1%	53.2%	53.4%	53.4%	53.7%	54.4%	54.5%	54.6%	54.6%	54.7%	54.7%	54.8%	54.8%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%	54.9%
51	51.3	53.4	54.7	57.2	60.6	60.3	60.6																																	

