

## California Greenhouse Gas Inventory for 2000-2018 — by Sector and Activity

*million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)*

<b>Included Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Electricity Generation (In State)</b>	<b>59.22</b>	<b>63.23</b>	<b>49.88</b>	<b>48.24</b>	<b>49.32</b>	<b>45.20</b>	<b>49.99</b>	<b>54.23</b>	<b>54.43</b>	<b>53.43</b>	<b>46.87</b>	<b>42.78</b>	<b>53.90</b>	<b>51.60</b>	<b>52.17</b>	<b>50.97</b>	<b>42.27</b>	<b>38.31</b>	<b>38.63</b>
<i>CHP: Commercial</i>	0.73	0.67	0.76	0.86	0.69	0.73	0.72	0.78	0.77	1.05	0.79	1.14	1.34	1.35	1.26	1.37	1.07	1.15	0.76
<i>CHP: Industrial</i>	18.07	16.62	20.16	17.68	15.22	14.71	13.76	13.71	13.55	14.71	12.55	14.26	13.50	14.14	13.95	12.64	11.27	10.40	10.55
<i>Merchant Owned</i>	32.94	38.85	23.78	24.04	27.52	23.13	26.22	29.26	28.78	27.42	21.40	16.85	25.23	22.82	23.53	22.95	17.24	14.98	15.77
<i>Transmission and Distribution</i>	0.37	0.34	0.29	0.28	0.26	0.25	0.23	0.20	0.19	0.18	0.16	0.17	0.16	0.20	0.11	0.09	0.07	0.13	0.09
<i>Utility Owned</i>	7.10	6.75	4.89	5.38	5.64	6.39	9.06	10.28	11.14	10.07	11.98	10.36	13.68	13.10	13.31	13.92	12.62	11.64	11.46
<b>Electricity Generation (Imports)</b>	<b>46.04</b>	<b>59.17</b>	<b>59.12</b>	<b>64.70</b>	<b>66.18</b>	<b>62.93</b>	<b>54.78</b>	<b>59.90</b>	<b>65.92</b>	<b>48.13</b>	<b>43.67</b>	<b>46.67</b>	<b>44.50</b>	<b>40.09</b>	<b>36.86</b>	<b>33.99</b>	<b>26.40</b>	<b>24.00</b>	<b>24.62</b>
<i>Specified Imports</i>	31.64	33.59	32.04	32.51	33.13	32.79	26.73	27.08	27.90	33.05	30.14	31.35	27.02	28.15	23.35	22.72	16.67	15.10	13.00
<i>Transmission and Distribution</i>	0.14	0.15	0.16	0.14	0.14	0.12	0.10	0.10	0.10	0.09	0.08	0.08	0.08	0.10	0.06	0.05	0.03	0.06	0.05
<i>Unspecified Imports</i>	14.27	25.42	26.92	32.05	32.92	30.01	27.95	32.73	37.92	14.99	13.45	15.24	17.40	11.83	13.45	11.22	9.69	8.85	11.57
<b>Transportation</b>	<b>181.28</b>	<b>181.75</b>	<b>189.29</b>	<b>186.99</b>	<b>188.86</b>	<b>190.99</b>	<b>191.17</b>	<b>191.07</b>	<b>179.86</b>	<b>173.07</b>	<b>170.21</b>	<b>166.77</b>	<b>166.29</b>	<b>166.14</b>	<b>167.42</b>	<b>170.92</b>	<b>174.31</b>	<b>175.47</b>	<b>173.83</b>
<i>Aviation</i>	4.21	4.02	4.17	4.25	4.49	4.49	4.56	4.97	4.50	4.03	3.84	3.73	3.75	3.93	3.90	4.22	4.44	4.68	4.65
<i>Not Specified Transportation</i>	4.87	5.02	5.28	5.54	5.92	6.43	6.77	6.78	7.14	6.74	7.12	6.62	6.51	6.48	6.65	6.67	6.20	6.00	5.94
<i>Off Road</i>	2.63	2.79	2.77	2.84	3.03	3.22	3.32	3.18	2.82	2.25	2.03	2.13	2.23	2.33	2.43	2.53	2.63	2.73	2.83
<i>On Road</i>	164.76	165.30	171.57	168.36	169.41	170.20	169.64	169.64	159.79	155.07	151.20	148.08	147.71	147.15	147.85	151.20	155.16	156.41	154.45
<i>Rail</i>	1.88	1.89	2.50	2.86	2.91	3.34	3.53	3.17	2.38	1.95	2.31	2.64	2.47	2.40	2.63	2.42	2.17	1.83	2.22
<i>Water-borne</i>	2.93	2.72	3.00	3.13	3.10	3.32	3.36	3.33	3.23	3.04	3.71	3.56	3.60	3.86	3.95	3.89	3.72	3.82	3.74
<b>Industrial</b>	<b>104.83</b>	<b>103.17</b>	<b>104.37</b>	<b>103.78</b>	<b>106.42</b>	<b>104.95</b>	<b>102.64</b>	<b>99.47</b>	<b>99.92</b>	<b>97.41</b>	<b>101.56</b>	<b>100.08</b>	<b>99.65</b>	<b>102.57</b>	<b>103.65</b>	<b>101.55</b>	<b>100.55</b>	<b>100.56</b>	<b>101.25</b>
<i>CHP: Industrial</i>	11.69	10.48	10.65	10.59	12.92	12.41	12.16	11.15	10.40	12.56	12.61	9.97	8.96	9.01	8.25	7.98	7.84	7.59	8.10
<i>Landfills</i>	7.53	7.69	7.62	7.71	7.70	7.88	7.95	8.01	8.17	8.29	8.39	8.45	8.36	8.39	8.45	8.50	8.56	8.64	8.73
<i>Manufacturing</i>	27.67	26.63	28.39	24.89	25.31	24.52	24.67	22.70	23.22	19.90	22.13	23.56	24.35	25.16	25.39	24.98	24.61	24.43	24.49
<i>Mining</i>	0.86	0.31	0.31	0.34	0.36	0.34	0.11	0.16	0.19	0.14	0.15	0.15	0.17	0.16	0.15	0.15	0.16	0.17	0.17
<i>Not Specified Industrial</i>	2.86	2.86	3.04	3.04	3.18	3.59	3.73	3.69	3.65	3.53	3.93	4.01	4.07	4.48	4.67	4.83	5.06	5.12	5.27
<i>Oil &amp; Gas: Production &amp; Processing</i>	19.08	19.38	18.13	20.68	20.87	19.54	17.50	17.56	18.89	17.75	16.81	16.77	16.76	18.92	19.20	19.27	16.75	16.87	16.68
<i>Petroleum Marketing</i>	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
<i>Petroleum Refining and Hydrogen Production</i>	28.46	29.03	29.19	29.82	29.06	29.74	29.63	29.20	28.40	28.31	30.39	30.01	29.78	29.36	29.71	28.28	29.70	29.98	30.00
<i>Solid Waste Treatment</i>	0.13	0.15	0.16	0.17	0.18	0.20	0.21	0.22	0.24	0.25	0.26	0.27	0.29	0.30	0.31	0.33	0.34	0.35	0.36
<i>Solvents &amp; Chemicals</i>	0.37	0.35	0.30	0.31	0.28	0.28	0.28	0.28	0.27	0.26	0.27	0.25	0.24	0.25	0.24	0.24	0.24	0.24	0.25
<i>Transmission and Distribution</i>	4.23	4.37	4.63	4.30	4.62	4.55	4.47	4.57	4.59	4.55	4.69	4.71	4.75	4.62	5.32	5.06	5.33	5.22	5.18
<i>Wastewater Treatment</i>	1.93	1.91	1.93	1.91	1.92	1.91	1.91	1.93	1.90	1.88	1.94	1.92	1.92	1.92	1.94	1.92	1.92	1.93	2.02
<b>Commercial</b>	<b>14.12</b>	<b>14.08</b>	<b>16.10</b>	<b>15.29</b>	<b>15.83</b>	<b>15.79</b>	<b>16.53</b>	<b>17.07</b>	<b>17.68</b>	<b>18.64</b>	<b>20.09</b>	<b>20.39</b>	<b>20.88</b>	<b>21.43</b>	<b>21.29</b>	<b>22.04</b>	<b>23.19</b>	<b>23.40</b>	<b>23.90</b>
<i>CHP: Commercial</i>	1.09	1.05	1.06	0.26	0.62	0.40	0.42	0.49	0.37	0.92	0.92	0.46	0.54	0.50	0.52	0.52	0.78	0.85	0.72
<i>Communication</i>	0.19	0.18	0.20	0.19	0.19	0.17	0.19	0.18	0.16	0.16	0.15	0.15	0.14	0.14	0.12	0.11	0.12	0.11	0.11
<i>Domestic Utilities</i>	0.25	0.18	0.17	0.37	0.33	0.23	0.29	0.30	0.28	0.28	0.27	0.26	0.26	0.25	0.25	0.23	0.24	0.23	0.24
<i>Education</i>	1.22	1.07	1.24	1.09	1.09	1.08	1.12	1.10	1.01	1.03	1.05	1.06	0.99	1.02	0.85	0.84	0.90	0.94	0.96

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<b>Included Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<i>Food Services</i>	1.90	1.97	2.48	2.31	2.28	2.30	2.47	2.43	2.31	2.23	2.23	2.25	2.28	2.33	2.31	2.32	2.36	2.37	2.38
<i>Health Care</i>	1.39	1.42	1.65	1.48	1.43	1.43	1.52	1.49	1.45	1.45	1.51	1.55	1.54	1.56	1.46	1.46	1.50	1.51	1.50
<i>Hotels</i>	0.63	0.67	0.78	0.69	0.68	0.68	0.75	0.75	0.73	0.70	0.73	0.74	0.73	0.74	0.71	0.72	0.73	0.71	0.70
<i>Landscape</i>	0.50	0.51	0.51	0.52	0.53	0.53	0.53	0.54	0.54	0.55	0.55	0.55	0.56	0.57	0.57	0.58	0.58	0.58	0.59
<i>National Security</i>	0.20	0.31	0.21	0.19	0.20	0.18	0.21	0.20	0.17	0.18	0.17	0.18	0.16	0.14	0.13	0.13	0.14	0.13	0.15
<i>Not Specified Commercial</i>	4.98	5.18	5.88	6.38	6.68	7.01	7.09	7.58	8.46	8.96	10.28	10.90	11.28	11.87	12.32	13.03	13.66	13.74	14.32
<i>Offices</i>	0.77	0.55	0.66	0.67	0.70	0.68	0.72	0.63	0.69	0.67	0.68	0.69	0.66	0.64	0.49	0.49	0.51	0.53	0.53
<i>Retail &amp; Wholesale</i>	0.82	0.87	1.13	1.03	1.01	1.02	1.11	1.06	0.97	1.00	1.02	1.05	1.18	1.09	0.99	1.05	1.11	1.18	1.17
<i>Transportation Services</i>	0.18	0.13	0.13	0.11	0.10	0.09	0.12	0.34	0.51	0.51	0.53	0.56	0.57	0.58	0.57	0.56	0.56	0.53	0.52
<b>Residential</b>	<b>31.73</b>	<b>30.80</b>	<b>30.94</b>	<b>30.47</b>	<b>31.50</b>	<b>30.29</b>	<b>30.73</b>	<b>30.89</b>	<b>31.31</b>	<b>31.05</b>	<b>32.13</b>	<b>32.85</b>	<b>30.88</b>	<b>32.04</b>	<b>27.19</b>	<b>27.95</b>	<b>29.28</b>	<b>30.39</b>	<b>30.48</b>
<i>Household Use</i>	29.38	28.46	28.62	28.14	29.16	27.97	28.35	28.49	28.80	28.46	29.19	29.59	27.31	28.11	22.92	23.33	24.36	25.10	24.84
<i>Landscape</i>	0.74	0.75	0.76	0.77	0.78	0.78	0.79	0.79	0.80	0.80	0.81	0.82	0.83	0.83	0.84	0.85	0.85	0.86	0.86
<i>Not Specified Residential</i>	0.84	0.80	0.78	0.76	0.75	0.71	0.76	0.77	0.86	0.94	1.26	1.57	1.88	2.22	2.55	2.88	3.17	3.54	3.88
<i>Transmission and Distribution</i>	0.78	0.79	0.79	0.80	0.81	0.83	0.84	0.85	0.85	0.85	0.87	0.87	0.87	0.88	0.88	0.89	0.89	0.89	0.90
<b>Agriculture &amp; Forestry</b>	<b>30.97</b>	<b>31.15</b>	<b>33.24</b>	<b>33.54</b>	<b>32.83</b>	<b>33.70</b>	<b>34.72</b>	<b>35.22</b>	<b>35.09</b>	<b>32.85</b>	<b>33.68</b>	<b>34.34</b>	<b>35.46</b>	<b>33.76</b>	<b>34.80</b>	<b>33.33</b>	<b>33.16</b>	<b>32.32</b>	<b>32.57</b>
<i>Ag Energy Use</i>	3.81	3.82	4.38	4.25	4.50	4.60	5.30	3.78	4.09	2.61	2.77	3.65	3.88	3.71	4.51	4.40	3.97	3.11	3.23
<i>Ag Residue Burning</i>	0.08	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.10
<i>Ag Soil Management</i>	7.10	6.99	7.24	7.18	7.04	7.09	7.22	6.74	6.51	6.37	6.45	6.34	6.64	6.04	6.04	5.38	5.50	5.45	5.53
<i>Enteric Fermentation</i>	9.86	9.76	10.39	10.47	10.25	10.55	10.60	11.71	11.46	11.10	11.55	11.40	11.52	11.22	11.28	10.95	10.93	11.14	11.13
<i>Histosol Cultivation</i>	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
<i>Manure Management</i>	9.26	9.64	10.25	10.60	10.04	10.39	10.68	11.82	12.09	11.75	11.86	11.86	12.38	11.71	11.96	11.70	11.64	11.74	11.69
<i>Rice Cultivation</i>	0.70	0.73	0.76	0.81	0.79	0.86	0.71	0.94	0.71	0.80	0.81	0.85	0.83	0.86	0.78	0.67	0.89	0.65	0.75
<b>Summary for Included Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>California Emissions</b>	<b>468.2</b>	<b>483.3</b>	<b>482.9</b>	<b>483.0</b>	<b>490.9</b>	<b>483.9</b>	<b>480.6</b>	<b>487.9</b>	<b>484.2</b>	<b>454.6</b>	<b>448.2</b>	<b>443.9</b>	<b>451.6</b>	<b>447.6</b>	<b>443.4</b>	<b>440.8</b>	<b>429.2</b>	<b>424.5</b>	<b>425.3</b>

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<b>Transportation</b>	<b>50.60</b>	<b>44.22</b>	<b>49.06</b>	<b>43.36</b>	<b>47.72</b>	<b>50.51</b>	<b>53.01</b>	<b>56.04</b>	<b>52.62</b>	<b>51.73</b>	<b>52.31</b>	<b>48.08</b>	<b>45.32</b>	<b>44.59</b>	<b>44.05</b>	<b>49.23</b>	<b>53.70</b>	<b>56.42</b>	<b>56.24</b>
<i>Aviation</i>	35.12	32.55	35.14	33.80	36.18	35.84	36.79	38.44	34.87	34.20	33.50	34.26	32.70	35.21	37.65	40.42	42.64	43.88	43.23
<i>Water-borne</i>	15.48	11.67	13.92	9.56	11.54	14.67	16.23	17.60	17.75	17.53	18.81	13.82	12.62	9.38	6.39	8.81	11.06	12.54	13.01
<b>Industrial</b>	<b>2.75</b>	<b>2.74</b>	<b>2.75</b>	<b>2.75</b>	<b>2.76</b>	<b>2.77</b>	<b>2.79</b>	<b>2.82</b>	<b>2.82</b>	<b>2.81</b>	<b>2.80</b>	<b>2.80</b>	<b>2.80</b>	<b>2.77</b>	<b>2.79</b>	<b>2.79</b>	<b>2.79</b>	<b>2.79</b>	<b>2.79</b>
<i>Oil &amp; Gas: Production &amp; Processing</i>	2.75	2.74	2.75	2.75	2.76	2.77	2.79	2.82	2.82	2.81	2.80	2.80	2.80	2.77	2.79	2.79	2.79	2.79	2.79
<b>Military</b>	<b>3.81</b>	<b>4.36</b>	<b>4.13</b>	<b>4.16</b>	<b>3.88</b>	<b>3.41</b>	<b>3.11</b>	<b>2.93</b>	<b>2.77</b>	<b>2.71</b>	<b>3.10</b>	<b>2.68</b>	<b>3.30</b>	<b>2.68</b>	<b>3.25</b>	<b>2.76</b>	<b>2.32</b>	<b>2.48</b>	<b>2.23</b>
<i>Not Specified Military</i>	3.81	4.36	4.13	4.16	3.88	3.41	3.11	2.93	2.77	2.71	3.10	2.68	3.30	2.68	3.25	2.76	2.32	2.48	2.23
<b>Summary for Excluded Emissions</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
International and Interstate Emissions	57.2	51.3	55.9	50.3	54.4	56.7	58.9	61.8	58.2	57.2	58.2	53.6	51.4	50.0	50.1	54.8	58.8	61.7	61.3

**California Greenhouse Gas Inventory for 2000-2018 — by Sector and Activity**  
*million tonnes of CO2 equivalent - (based upon IPCC Fourth Assessment Report's 100-yr Global Warming Potentials)*

<b>CO2 from biogenic materials</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
<b>Electricity Generation (In State)</b>	<b>7.07</b>	<b>7.17</b>	<b>7.41</b>	<b>7.60</b>	<b>6.92</b>	<b>6.96</b>	<b>7.07</b>	<b>6.73</b>	<b>6.76</b>	<b>7.75</b>	<b>7.28</b>	<b>6.11</b>	<b>7.28</b>	<b>7.86</b>	<b>8.03</b>	<b>7.19</b>	<b>6.15</b>	<b>5.89</b>	<b>6.20</b>
<i>CHP: Commercial</i>	0.13	0.05	0.08	0.15	0.15	0.19	0.18	0.16	0.15	0.08	0.01	0.09	0.08	0.16	0.17	0.18	0.15	0.21	0.24
<i>CHP: Industrial</i>	1.69	2.33	1.64	1.80	1.36	1.24	1.22	1.23	1.09	0.93	0.94	1.02	1.33	1.33	1.19	1.00	1.16	1.03	1.40
<i>Merchant Owned</i>	5.12	4.68	5.56	5.47	5.28	5.36	5.50	5.17	5.34	6.44	5.95	4.60	5.22	5.70	6.07	5.60	4.42	4.35	4.44
<i>Utility Owned</i>	0.13	0.11	0.12	0.17	0.14	0.17	0.17	0.18	0.18	0.30	0.37	0.39	0.65	0.67	0.59	0.41	0.41	0.29	0.12
<b>Electricity Generation (Imports)</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.44</b>	<b>0.82</b>	<b>0.27</b>	<b>0.40</b>	<b>2.09</b>	<b>1.62</b>	<b>1.77</b>	<b>1.79</b>	<b>1.55</b>	<b>1.43</b>
<i>Specified Imports</i>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.82	0.27	0.40	2.09	1.62	1.77	1.79	1.55	1.43
<b>Transportation</b>	<b>0.34</b>	<b>0.46</b>	<b>0.57</b>	<b>3.14</b>	<b>4.79</b>	<b>5.11</b>	<b>5.24</b>	<b>5.18</b>	<b>5.41</b>	<b>5.38</b>	<b>8.23</b>	<b>8.83</b>	<b>8.32</b>	<b>10.16</b>	<b>10.89</b>	<b>11.76</b>	<b>13.00</b>	<b>13.88</b>	<b>14.57</b>
<i>Aviation</i>	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00
<i>On Road</i>	0.34	0.46	0.57	3.12	4.77	5.08	5.21	5.15	5.38	5.35	8.19	8.79	8.27	10.11	10.83	11.71	12.98	13.86	14.56
<i>Water-borne</i>	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.04	0.04	0.04	0.03	0.01	0.02	0.00
<b>Industrial</b>	<b>12.32</b>	<b>12.96</b>	<b>11.26</b>	<b>11.29</b>	<b>11.99</b>	<b>12.84</b>	<b>12.91</b>	<b>13.12</b>	<b>12.94</b>	<b>12.67</b>	<b>13.06</b>	<b>13.50</b>	<b>13.71</b>	<b>13.82</b>	<b>13.54</b>	<b>13.49</b>	<b>13.80</b>	<b>14.20</b>	<b>13.93</b>
<i>CHP: Industrial</i>	1.29	1.03	0.61	0.62	1.14	1.49	1.52	1.52	1.48	1.23	1.06	1.15	1.24	1.19	1.07	1.04	1.14	1.28	0.87
<i>Landfills</i>	6.45	6.79	7.06	7.04	7.08	7.26	7.46	7.55	7.62	7.70	7.81	7.85	7.90	7.93	7.96	8.00	8.05	8.11	8.18
<i>Manufacturing</i>	0.06	0.07	0.07	0.10	0.13	0.13	0.10	0.10	0.11	0.11	0.19	0.17	0.22	0.31	0.33	0.32	0.25	0.27	0.25
<i>Not Specified Industrial</i>	3.72	4.19	2.57	2.50	2.53	2.78	2.56	2.61	2.31	2.13	2.42	2.67	2.61	2.58	2.30	2.17	2.32	2.43	2.44
<i>Petroleum Refining and Hydrogen Production</i>	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
<i>Solid Waste Treatment</i>	0.80	0.87	0.95	1.03	1.11	1.19	1.26	1.34	1.42	1.50	1.57	1.65	1.73	1.81	1.88	1.96	2.04	2.12	2.20
<b>Commercial</b>	<b>0.60</b>	<b>0.60</b>	<b>0.61</b>	<b>0.64</b>	<b>0.64</b>	<b>0.44</b>	<b>0.43</b>	<b>0.45</b>	<b>0.47</b>	<b>0.53</b>	<b>0.50</b>	<b>0.51</b>	<b>0.45</b>	<b>0.52</b>	<b>0.55</b>	<b>0.35</b>	<b>0.39</b>	<b>0.38</b>	<b>0.37</b>
<i>CHP: Commercial</i>	0.02	0.01	0.01	0.01	0.03	0.05	0.06	0.07	0.06	0.03	0.01	0.03	0.04	0.04	0.05	0.04	0.04	0.04	0.04
<i>Not Specified Commercial</i>	0.58	0.59	0.60	0.63	0.61	0.39	0.36	0.39	0.41	0.50	0.49	0.47	0.42	0.48	0.50	0.31	0.35	0.35	0.33
<b>Residential</b>	<b>3.47</b>	<b>3.33</b>	<b>3.38</b>	<b>3.56</b>	<b>3.65</b>	<b>2.43</b>	<b>2.15</b>	<b>2.38</b>	<b>2.66</b>	<b>3.50</b>	<b>3.75</b>	<b>3.64</b>	<b>3.04</b>	<b>3.97</b>	<b>4.01</b>	<b>2.07</b>	<b>1.95</b>	<b>1.89</b>	<b>2.05</b>
<i>Household Use</i>	3.47	3.33	3.38	3.56	3.65	2.43	2.15	2.38	2.66	3.50	3.75	3.64	3.04	3.97	4.01	2.07	1.95	1.89	2.05
<b>Agriculture &amp; Forestry</b>	<b>1.39</b>	<b>1.16</b>	<b>1.17</b>	<b>1.21</b>	<b>1.23</b>	<b>1.22</b>	<b>1.24</b>	<b>1.29</b>	<b>1.39</b>	<b>1.41</b>	<b>1.45</b>	<b>1.53</b>	<b>1.53</b>	<b>1.59</b>	<b>1.58</b>	<b>1.56</b>	<b>1.59</b>	<b>1.68</b>	<b>1.87</b>
<i>Ag Energy Use</i>	0.00	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.04	0.05	0.03	0.04	0.01	0.00	0.00	0.00
<i>Ag Residue Burning</i>	1.39	1.16	1.17	1.20	1.21	1.20	1.22	1.28	1.38	1.41	1.44	1.49	1.49	1.55	1.54	1.56	1.59	1.68	1.87
<b>Summary for CO2 from biogenic materials</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2004</b>	<b>2005</b>	<b>2006</b>	<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
Carbon dioxide from Biogenic sources	25.2	25.7	24.4	27.4	29.2	29.0	29.0	29.1	29.6	31.7	35.1	34.4	34.7	40.0	40.2	38.2	38.7	39.5	40.4

**Other Emissions**

**2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018**

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