

## Environmental Sustainability Data

As a science-based company, Amgen has a long-standing objective to conduct environmentally responsible operations and we regularly set targets to challenge ourselves to deliver further improvements. We continue to invest in sustainable operations to reach our 2027 environmental targets. (a)

Energy								
Type	Unit	2019	2020	2021	2022	2023	2024	2025
<b>Total Combustion On-site (Direct) (b)</b>	<b>1,000 GJ</b>	<b>1,543</b>	<b>1,812</b>	<b>1,671</b>	<b>1,574</b>	<b>1,775</b>	<b>1,791</b>	<b>1,761</b>
Natural Gas	1,000 GJ	1,009	1,037	1,060	960	889	915	971
Diesel	1,000 GJ	533	773	609	613	885	872	787
Propane	1,000 GJ	1.2	1.3	1.4	1.4	1.7	3.4	3
<b>Total Purchased Energy for On-site Use (Indirect market-based) (c)</b>	<b>1,000 GJ</b>	<b>1,551</b>	<b>1,474</b>	<b>1,522</b>	<b>1,501</b>	<b>1,226</b>	<b>1,342</b>	<b>1,401</b>
Fossil Fuel	1,000 GJ	975	805	383	382	135	132	135
Nuclear	1,000 GJ	96	103	7	7	0	0	0
Renewables	1,000 GJ	480	566	1,131	1,112	1,091	1,210	1,265
<b>On-site Renewable Generation (d)</b>	<b>1,000 GJ</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.8</b>	<b>4.4</b>	<b>12</b>
Total Energy for On-site Facilities	1,000 GJ	3,094	3,286	3,193	3,075	3,001	3,133	3,161
<b>Total Energy Normalized to Total Revenue</b>	<b>1,000 GJ/\$B Total Revenue</b>	<b>132</b>	<b>129</b>	<b>123</b>	<b>117</b>	<b>106</b>	<b>94</b>	<b>86</b>

Carbon								
Type	Unit	2019	2020	2021	2022	2023	2024	2025
<b>Carbon (Scope 1) (e)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>136</b>	<b>139</b>	<b>133</b>	<b>130</b>	<b>153</b>	<b>147</b>	<b>141</b>
Natural Gas Combustion On-site	1,000 MT CO <sub>2</sub> Eq	51	53	54	49	47	47	51
Diesel Combustion On-site	1,000 MT CO <sub>2</sub> Eq	37	54	43	43	62	61	55
Propane Combustion On-site	1,000 MT CO <sub>2</sub> Eq	0	0	0	0	0	0	0.2
Sales Fleet	1,000 MT CO <sub>2</sub> Eq	40	27	30	29	30	27	26
Executive Air Travel	1,000 MT CO <sub>2</sub> Eq	4	1	2	4	5	4	5
Fugitive Emissions (f)	1,000 MT CO <sub>2</sub> Eq	3	4	4	3	9	7	4
Other Carbon - Offsets (g)	1,000 MT CO <sub>2</sub> Eq	0	0	17	0	0	40	80
<b>Carbon - Scope 2 (Market-based) (h)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>160</b>	<b>136</b>	<b>58</b>	<b>35</b>	<b>12</b>	<b>14</b>	<b>14</b>
Purchased Electricity	1,000 MT CO <sub>2</sub> Eq	160	136	58	34	10	13	13
Purchased Steam	1,000 MT CO <sub>2</sub> Eq	1	0	0	0	0	0	0.5
Fleet Electrification	1,000 MT CO <sub>2</sub> Eq	0	0	0	1	1	1	1
<b>Carbon - Scope 2 (Location-based) (i)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>174</b>	<b>139</b>	<b>156</b>	<b>153</b>	<b>118</b>	<b>128</b>	<b>133</b>
Purchased Electricity	1,000 MT CO <sub>2</sub> Eq	168	133	150	147	117	127	132
Purchased Steam	1,000 MT CO <sub>2</sub> Eq	6	6	6	6	0	0	0.5
Fleet Electrification	1,000 MT CO <sub>2</sub> Eq	0	0	0	1	1	1	1
<b>Total Carbon from Utilities - Scope 1 (Utilities) and Scope 2 (Market-based)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>249</b>	<b>243</b>	<b>155</b>	<b>127</b>	<b>120</b>	<b>123</b>	<b>121</b>
<b>Total Carbon from Utilities Normalized to Total Revenue</b>	<b>1,000 MT CO<sub>2</sub>Eq/\$B Total Revenue</b>	<b>11</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>4</b>	<b>4</b>	<b>3</b>
<b>Total Carbon from Utilities Normalized to Total Energy from Utilities</b>	<b>MT CO<sub>2</sub>Eq/GJ</b>	<b>0.07</b>	<b>0.07</b>	<b>0.05</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>	<b>0.04</b>
<b>Confirmed Results of Carbon Reduction Projects (j)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>49</b>	<b>6</b>	<b>129</b>	<b>131</b>	<b>159</b>	<b>203</b>	<b>244</b>
<b>Carbon - Scope 3 Upstream (k)</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>2,773</b>	<b>2,627</b>	<b>3,064</b>	<b>2,868</b>	<b>1,057</b>	<b>1,477</b>	<b>1,426</b>
Purchased Goods and Services (Category 1)	1,000 MT CO <sub>2</sub> Eq	2,324	2,316	2,570	1,760	633	946	829
Capital Goods (Category 2)	1,000 MT CO <sub>2</sub> Eq	258	210	348	909	203	221	271
Fuel- and Energy-Related Activities (Category 3)	1,000 MT CO <sub>2</sub> Eq	53	45	44	77	65	76	76
Upstream Transportation & Distribution (Category 4)	1,000 MT CO <sub>2</sub> Eq	23	21	59	55	66	92	88
Waste Generated in Operations (Category 5)	1,000 MT CO <sub>2</sub> Eq	4	8	6	2	2	6	16
Business Travel (Category 6)	1,000 MT CO <sub>2</sub> Eq	56	13	4	31	53	93	95
Employee Commuting (Category 7)	1,000 MT CO <sub>2</sub> Eq	56	14	33	34	35	43	51
Upstream Leased Assets (Category 8)	1,000 MT CO <sub>2</sub> Eq	Upstream leased asset emissions are included in Amgen's Scope 1 and 2 Emissions accounting						
<b>Carbon - Scope 3 Downstream</b>	<b>1,000 MT CO<sub>2</sub>Eq</b>	<b>-</b>	<b>-</b>	<b>448</b>	<b>318</b>	<b>327</b>	<b>228</b>	<b>272</b>
Downstream Transportation and Distribution (Category 9)	1,000 MT CO <sub>2</sub> Eq	-	-	446	317	316	213	246
End of Life Treatment of Sold Products (Category 12)	1,000 MT CO <sub>2</sub> Eq	-	-	2.1	0.8	0.9	1	1
Leased Assets (Category 13)	1,000 MT CO <sub>2</sub> Eq	-	-	-	-	-	-	1

<b>Water</b>								
<b>Type</b>	<b>Unit</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
<b>Total Water Withdrawal</b>	<b>1,000 CM</b>	<b>2,146</b>	<b>2,355</b>	<b>2,238</b>	<b>2,042</b>	<b>2,089</b>	<b>2,188</b>	<b>2,344</b>
Municipal	1,000 CM	2,129	2,337	2,233	2,025	2,080	2,169	2,330
Other - (Reservoir) Trucked In	1,000 CM	0	0	0	0	0	0.1	0.02
Ground	1,000 CM	17	18	5	17	9	19	13
<b>Total Water Withdrawal Normalized to Total Revenue</b>	<b>1,000 CM/\$B Total Revenue</b>	<b>92</b>	<b>93</b>	<b>86</b>	<b>78</b>	<b>74</b>	<b>65</b>	<b>64</b>
Water Fate	1,000 CM	2,146	2,355	2,238	2,042	2,085	2,200	2,302
Consumed Into Products	1,000 CM	31	28	28	28	28	28	28
Lost to Evaporation	1,000 CM	546	542	576	543	509	517	531
Discharged to Treatment	1,000 CM	1,379	1,621	1,450	1,323	1,370	1,458	1,529
Discharged Directly to Environment	1,000 CM	191	162	184	148	178	196	214
Recycled	1,000 CM	548	567	557	513	609	488	449
<b>Percentage of Water Recycled per Total Water Withdrawal</b>	<b>%</b>	<b>26</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>29</b>	<b>22</b>	<b>19</b>
<b>Confirmed Results of Water Reduction Projects (j)</b>	<b>1,000 CM</b>	<b>26</b>	<b>24</b>	<b>25</b>	<b>25</b>	<b>290</b>	<b>488</b>	<b>730</b>

<b>Waste</b>								
<b>Type</b>	<b>Unit</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025</b>
<b>Recycling Rate (i)</b>	<b>%</b>	<b>48</b>	<b>52</b>	<b>51</b>	<b>54</b>	<b>53</b>	<b>55</b>	<b>53</b>
<b>Total Routine Waste</b>	<b>MT</b>	<b>9,818</b>	<b>9,841</b>	<b>10,289</b>	<b>10,066</b>	<b>10,019</b>	<b>11,214</b>	<b>12,647</b>
<b>Hazardous Waste</b>	<b>MT</b>	<b>2,179</b>	<b>2,144</b>	<b>2,230</b>	<b>2,010</b>	<b>1,716</b>	<b>1,783</b>	<b>2,019</b>
Recycled	MT	230	367	346	489	173	247	265
Incinerated for Energy Recovery	MT	988	797	1,102	947	1,066	1,191	1,295
Incinerated Not for Energy Recovery	MT	855	885	674	347	298	200	234
Landfilled	MT	78	66	74	172	140	95	65
Treated (m)	MT	28	28	35	55	40	49	160
<b>Nonhazardous Waste</b>	<b>MT</b>	<b>7,640</b>	<b>7,697</b>	<b>8,059</b>	<b>8,056</b>	<b>8,304</b>	<b>9,431</b>	<b>10,628</b>
Composted	MT	745	775	636	528	465	802	712
Reused	MT	249	216	117	111	123	170	314
Recycled	MT	3,522	3,792	4,104	4,279	4,537	4,955	5,397
Incinerated for Energy Recovery	MT	594	731	1,162	1,176	1,674	1,562	2,015
Incinerated Not for Energy Recovery	MT	183	74	171	95	102	47	83
Landfilled	MT	2,302	2,072	1,813	1,841	1,398	1,882	2,079
Treated (m)	MT	45	37	56	26	5	9	28
<b>Total Routine Waste Normalized to Total Revenue</b>	<b>MT/\$B Total Revenue</b>	<b>420</b>	<b>387</b>	<b>396</b>	<b>382</b>	<b>355</b>	<b>336</b>	<b>344</b>
<b>Total Nonroutine Waste (n)</b>	<b>MT</b>	<b>3,128</b>	<b>7,966</b>	<b>64,969</b>	<b>2,613</b>	<b>3,852</b>	<b>9,503</b>	<b>33,894</b>
<b>Waste Disposed</b>	<b>MT</b>	<b>3,490</b>	<b>3,163</b>	<b>2,823</b>	<b>2,536</b>	<b>1,982</b>	<b>2,282</b>	<b>2,649</b>
<b>Confirmed Results of Routine Waste Reduction Projects (j)</b>	<b>MT</b>	<b>1,574</b>	<b>181</b>	<b>884</b>	<b>1,029</b>	<b>1,416</b>	<b>1,725</b>	<b>2,063</b>

Compliance								
Type	Unit	2019	2020	2021	2022	2023	2024	2025
Environmental Notices of Violation (NOVs)	# NOV	1	1	3	4	3	1	2

## Data Notes

(a) Reported columns in the Summary of Data table represent the following information:

- 2007 – Base year of Amgen’s 1st Sustainability Plan (2008-2012) and of our overall sustainability efforts
- 2012 – Base year of Amgen’s 2nd Sustainability Plan (2013-2019)
- 2019 – Base year of Amgen’s 3rd and current Sustainability Plan (2020-2027)

(b) Direct onsite energy use results from the operation of equipment that is owned or controlled by Amgen.

(c) Indirect onsite energy use results from purchased energy in the forms of electricity and steam. For Amgen facilities where measurements are not obtained or available, usage is estimated from energy intensity factors based on building square footage.

(d) In 2024, Amgen’s facilities in Singapore, Netherlands, Cambridge, United Kingdom, and North Carolina and Ohio, United States, have installed solar PVs.

(e) Scope 1 carbon emissions result from direct energy sources defined in note (b), sales fleet, executive air travel, and fugitive emissions. Refer to Amgen’s latest CDP report for more information.

(f) Fugitive emissions include refrigerants and cell respiration from our production processes.

(g) Beginning in 2024, we began purchasing high-quality carbon offsets that will be applied to neutralize Scope 1 carbon emissions in accordance with our 2027 environmental sustainability aspiration to achieve carbon neutrality for Amgen-owned and operated facilities and operations.

(h) Scope 2 carbon market-based emissions (MBE) are a result of Amgen’s procurement decisions on sourcing of indirect energy defined in note (c).

(i) Scope 2 carbon location-based emissions (LBE) are calculated using local or regional emission factors for purchased electricity and steam and do not account for procurement decisions.

(j) Project measurements are conducted using reasonable means, including direct measurements and scientific estimations as appropriate.

(k) Scope 3 carbon emissions include upstream and downstream activities (Scope 3 Category 1-15). Refer to Amgen’s latest CDP report for more information.

(l) The recycle rate is the total routine recycled, composted and reused weight divided by the total weight of routine waste.

(m) Treatment means the physical, thermal, chemical or biological processes that change the characteristics of the waste in order to reduce its volume or hazardous nature, facilitate its handling or enhance recovery.

(n) Nonroutine waste constitutes waste generated outside the normal operations of our facilities and consists mainly of one-time construction and demolition waste.