

# Carbon and energy data FY2019



|                                 | Units  | Baseline<br>(1) | FY11                         | FY12           | FY13           | FY14           | FY15          | FY16          | FY17          | FY18 <sup>(2)</sup> | FY19          | Change          |               |             |
|---------------------------------|--|-----------------|------------------------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------------|---------------|-----------------|---------------|-------------|
|                                 |  |                 |                              |                |                |                |               |               |               |                     |               | Prior Year<br>% | Baseline<br>% |             |
| <b>Scope 1 Direct</b>           | Diesel generator, natural gas and refrigerant emissions <sup>(3)</sup> | tCO2-e          | -                            | -              | -              | -              | -             | -             | -             | 433                 | 518           | 539             | 4             | -           |
| <b>Scope 2 Indirect</b>         | Electricity emissions:   | tCO2-e          |                              |                |                |                |               |               |               |                     |               |                 |               |             |
|                                 | — corporate offices and data centres <sup>(4)</sup>                    |                 | 49,632                       | 51,941         | 52,497         | 46,499         | 42,389        | 41,699        | 38,876        | 36,322              | 34,191        | 30,675          | (10)          | (38)        |
|                                 | — base buildings <sup>(5)</sup>  |                 | -                            | -              | -              | -              | -             | 1,558         | 2,188         | 1,946               | 1,779         | 1,592           | (11)          | -           |
|                                 | Total electricity emissions  |                 | <b>49,632</b>                | <b>51,941</b>  | <b>52,497</b>  | <b>46,499</b>  | <b>42,389</b> | <b>43,257</b> | <b>41,064</b> | <b>38,267</b>       | <b>35,970</b> | <b>32,267</b>   | <b>(10)</b>   | <b>(35)</b> |
| <b>Scope 3 Indirect</b>         | Business air travel emissions <sup>(6)</sup>                           | tCO2-e          | <b>78,018</b>                | <b>79,330</b>  | <b>73,260</b>  | <b>63,334</b>  | <b>48,870</b> | <b>41,954</b> | <b>40,721</b> | <b>36,674</b>       | <b>40,277</b> | <b>55,724</b>   | <b>38</b>     | <b>(29)</b> |
| <b>Total Indirect Emissions</b> | Total Scope 2 and Scope 3  | tCO2-e          | <b>128,941<sup>(1)</sup></b> | <b>131,271</b> | <b>125,757</b> | <b>109,833</b> | <b>91,259</b> | <b>85,211</b> | <b>81,785</b> | <b>74,941</b>       | <b>76,246</b> | <b>87,991</b>   | <b>15</b>     | <b>(32)</b> |
| <b>Total emissions</b>          | Total Scope 1,2 and Scope 3 <sup>(7)</sup>                             | tCO2-e          | <b>128,941<sup>(1)</sup></b> | <b>131,271</b> | <b>125,757</b> | <b>109,833</b> | <b>91,259</b> | <b>85,211</b> | <b>81,785</b> | <b>75,374</b>       | <b>76,765</b> | <b>88,530</b>   | <b>15</b>     | <b>-</b>    |
| <b>Energy</b>                   | Total Macquarie energy use <sup>(3)</sup>                              | TJ              | <b>237</b>                   | <b>268</b>     | <b>275</b>     | <b>243</b>     | <b>231</b>    | <b>228</b>    | <b>215</b>    | <b>208</b>          | <b>201</b>    | <b>193</b>      | <b>(4)</b>    | <b>(18)</b> |

|                             |  | Units             | Baseline<br>(1) | FY11        | FY12        | FY13        | FY14        | FY15        | FY16        | FY17        | FY18 <sup>(2)</sup> | FY19        | Change          |               |  |
|-----------------------------|--|-------------------|-----------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------------------|-------------|-----------------|---------------|--|
|                             |  |                   |                 |             |             |             |             |             |             |             |                     |             | Prior Year<br>% | Baseline<br>% |  |
| <b>Per Capita Emissions</b> | Electricity emissions per capita:        | tCO2-e per person |                 |             |             |             |             |             |             |             |                     |             |                 |               |  |
|                             | — corporate offices and data centres     |                   | 3.93            | 3.35        | 3.55        | 3.40        | 3.05        | 2.97        | 2.70        | 2.67        | 2.36                | 2.03        | (14)            | (48)          |  |
|                             | — base buildings                         |                   | –               | –           | –           | –           | –           | 0.11        | 0.16        | 0.14        | 0.13                | 0.11        | (14)            | -             |  |
|                             | <b>Total emissions per capita</b>        |                   | <b>3.93</b>     | <b>3.35</b> | <b>3.55</b> | <b>3.40</b> | <b>3.05</b> | <b>3.08</b> | <b>2.86</b> | <b>2.81</b> | <b>2.49</b>         | <b>2.14</b> | <b>(14)</b>     | <b>(45)</b>   |  |
|                             | Business air travel emissions per capita | tCO2-e per person | <b>5.34</b>     | <b>5.11</b> | <b>4.95</b> | <b>4.64</b> | <b>3.51</b> | <b>2.99</b> | <b>2.83</b> | <b>2.70</b> | <b>2.78</b>         | <b>3.69</b> | <b>33</b>       | <b>(31)</b>   |  |

(1) Note that the baseline for Scope 2 electricity emissions is FY2009 while, due to data availability, the baseline for Scope 3 business air travel emissions is FY2010. Total Scope 2 and Scope 3 emissions reductions are calculated based on a FY2010 baseline.

(2) Some numbers in this column have been revised from last year's Annual Report to reflect updated invoice data.

(3) Scope 1 emissions and associated energy use were not reported prior to FY2017. Scope 1 emissions are not considered material, comprising <1% of total reported emissions.

(4) Macquarie corporate offices and data centres are defined as:

- space leased by Macquarie operating entities that are also occupied by Macquarie staff and have a Net Usable Area greater than 100m<sup>2</sup>
- data centres where Macquarie Group has oversight of electricity usage and pays for this usage
- new space from business acquisitions from the month of acquisition
- including Australian and international corporate offices.

(5) Base building refers to the energy required to operate a building and excludes tenanted energy use. It includes the mechanical plant, lifts, and lighting in lobby and other common areas. Base building applies only where Macquarie owns and occupies the building. This comprises 50 Martin Place and 9-19 Elizabeth Street Sydney.

(6) Business air travel is defined as travel ticketed through Macquarie's Travel Management Companies for the primary purpose of business.

(7) Since 2010, Macquarie has maintained its carbon neutral commitment by reducing and offsetting emissions from its office energy use and business air travel. In FY2019, to meet this commitment, Macquarie purchased and retired a diverse portfolio of voluntary carbon offsets.