



# LRQA Independent Assurance Statement

## Relating to Las Vegas Sands Corp's Greenhouse Gas Emissions and Environmental Assertion for the Calendar Year 2022

This Assurance Statement has been prepared for Las Vegas Sands Corp. in accordance with our contract.

### Terms of Engagement

LRQA was commissioned by Las Vegas Sands Corp. (LVS) to provide independent assurance of its greenhouse gas emission inventory and environmental data, (hereafter referred to as "the Report") for the calendar year 2022 (CY 2022) against the assurance criteria below to a reasonable level of assurance, and materiality of 5% using LRQA's verification procedure and ISO 14064 - Part 3 for greenhouse gas emissions. LRQA's verification procedure is based on current best practise and is in accordance with ISAE 3000 and ISAE 3410.

Our assurance engagement covered Las Vegas Sands Corp's financially controlled operations and activities at owned properties, including tenant consumption, and specifically the following requirements:

- Verifying conformance with:
  - LVS' reporting methodologies for the selected datasets.
  - World Resources Institute / World Business Council for Sustainable Development Greenhouse Gas Protocol: A corporate accounting and reporting standard, revised edition (otherwise referred to as the WRI/WBCSD GHG Protocol) for the GHG data<sup>1</sup>.
- Reviewing whether the Report has taken account of:
  - WRI GHG Protocol Scope 3 Accounting and Reporting Standard
- Evaluating the accuracy and reliability of data and information for only the selected indicators listed below:
  - Direct (Scope 1), Energy Indirect (Scope 2) and Other Indirect (Scope 3) GHG emissions.
    - Scope 3 GHG emissions verified by LRQA only include emissions from Waste Generated.
  - Water consumption
  - Waste generated and diverted
  - Energy use and renewable energy generated

Fugitive emissions from vehicle air conditioning have been excluded from the Report on the basis of their di minimis contribution to the inventory. Also, consumption of CityGas/Town Gas at Marina Bay Sands has been excluded where tenants have separate metered accounts with the utility.

LRQA's responsibility is only to LVS. LRQA disclaims any liability or responsibility to others as explained in the end footnote. LVS' responsibility is for collecting, aggregating, analysing and presenting all data and information within the Assertion and for maintaining effective internal controls over the systems from which the Assertion is derived. Ultimately, the Report has been approved by, and remains the responsibility of LVS.

### LRQA's Opinion

Based on LRQA's approach, we believe that Las Vegas Sands Corp. has, in all material respects

- Met the requirements of the criteria listed above; and
- Disclosed accurate and reliable performance data and information as summarized in Tables 1-4 below.

The opinion expressed is formed on the basis of a reasonable level of assurance and at the materiality of 5%

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<sup>1</sup> <http://www.ghgprotocol.org/>



**Table 1. Summary of Las Vegas Sands Corp. Environmental Assertion CY 2022:**

| GHG emissions   | Metric tons CO <sub>2</sub> e |
|---|-------------------------------|
| Scope 1 GHG emissions                                   | 58,341                        |
| Scope 2 GHG emissions (location-based) <sup>1</sup>     | 443,064                       |
| Scope 2 GHG emissions (market-based) <sup>1</sup>       | 373,003                       |
| Scope 3 GHG emissions from waste generated <sup>2</sup> | 17,186                        |
| Energy Consumption                                      | MWh                           |
| Total energy  | 1,028,372                     |
| Generated renewable energy <sup>3</sup>                 | 235                           |
| Renewable Energy Certificates (REC)                     | MWh                           |
| RECs  | 151,000                       |
| Waste   | Metric tons                   |
| Total waste disposed (landfill, incineration, diverted) | 50,047                        |
| Waste sent to incineration <sup>4</sup>                 | 34,740                        |
| Waste sent to landfill                                  | 1,255                         |
| Waste diverted from disposal <sup>5</sup>               | 14,053                        |
| Water   | Million US Gallons            |
| Total water use   | 1,624.23                      |

Note 1: Scope 2, Location-based and Scope 2, Market-based are defined in the GHG Protocol Scope 2 Guidance, 2015.  
 Note 2: Emissions from waste generation include waste to landfill and waste to incineration from operations and construction. Emissions from diverted waste have not been included in the Scope 3 emissions total.  
 Note 3: Generated renewable energy refers to solar thermal heat pump at The Londoner, and solar electricity generation at Marina Bay Sands.  
 Note 4: Waste sent to incineration includes hazardous and non-hazardous waste.  
 Note 5: Waste diverted includes reuse/donation, composting, food waste digestion and animal feedstock.

**Table 2. Breakdown of emissions by property, Marina Bay Sands CY 2022:**

|                  | Emissions                       | Metric tons CO <sub>2</sub> e |
|------------------|---------------------------------|-------------------------------|
| Marina Bay Sands | Scope 1                         | 6,193                         |
|                  | Scope 2 (location-based)        | 93,755                        |
|                  | Scope 2 (market-based)          | 71,638                        |
|                  | Scope 3 (waste generation only) | 10,211                        |
|                  | Water                           | Million Gallons               |
|                  | Total water use                 | 354.25                        |

**Table 3. Breakdown of emissions by property, Sands Aviation CY 2022:**

|                | Emissions                       | Metric tons CO <sub>2</sub> e |
|----------------|---------------------------------|-------------------------------|
| Sands Aviation | Scope 1                         | 20,892                        |
|                | Scope 2 (location-based)        | 368                           |
|                | Scope 2 (market-based)          | 302                           |
|                | Scope 3 (waste generation only) | 15                            |
|                | Water                           | Million Gallons               |
|                | Total water use                 | 1.65                          |



**Table 4. Breakdown of emissions by property, Sands China Limited CY 2022:**

|                           |                                 |                         |
|---------------------------|---------------------------------|-------------------------|
| <b>The Venetian Macao</b> | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 9,764                   |
|                           | Scope 2 (location-based)        | 109,154                 |
|                           | Scope 2 (market-based)          | 102,221                 |
|                           | Scope 3 (waste generation only) | 2,394                   |
|                           | <b>Water</b>                    | <b>Million Gallons</b>  |
|                           | Total water use                 | 478.84                  |
| <b>The Parisian Macao</b> | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 2,716                   |
|                           | Scope 2 (location-based)        | 50,229                  |
|                           | Scope 2 (market-based)          | 39,341                  |
|                           | Scope 3 (waste generation only) | 890                     |
|                           | <b>Water</b>                    | <b>Million Gallons</b>  |
|                           | Total water use                 | 152.33                  |
| <b>Plaza Macao</b>        | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 2,384                   |
|                           | Scope 2 (location-based)        | 34,363                  |
|                           | Scope 2 (market-based)          | 22,410                  |
|                           | Scope 3 (waste generation only) | 609                     |
|                           | <b>Water</b>                    | <b>Million Gallons</b>  |
|                           | Total water use                 | 129.33                  |
| <b>The Londoner Macao</b> | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 12,481                  |
|                           | Scope 2 (location-based)        | 129,368                 |
|                           | Scope 2 (market-based)          | 123,792                 |
|                           | Scope 3 (waste generation only) | 2,739                   |
|                           | <b>Water</b>                    | <b>Million Gallons</b>  |
|                           | Total water use                 | 400.76                  |
| <b>Sands Macao</b>        | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 2,703                   |
|                           | Scope 2 (location-based)        | 25,817                  |
|                           | Scope 2 (market-based)          | 13,290                  |
|                           | Scope 3 (waste generation only) | 327                     |
|                           | <b>Water</b>                    | <b>Million Gallons</b>  |
|                           | Total water use                 | 107.08                  |
| <b>Cotai Water Jet</b>    | <b>Emissions</b>                | <b>Metric tons CO2e</b> |
|                           | Scope 1                         | 1,209                   |
|                           | Scope 2 (location-based)        | 9                       |
|                           | Scope 2 (market-based)          | 9                       |



### LRQA's Approach

LRQA's assurance engagements are carried out in accordance with our verification procedure. The following tasks were undertaken as part of the evidence gathering process for this assurance engagement:

- reviewing of organizational boundaries, operational boundaries, and data management processes;
- interviewing representatives of the organization responsible for managing data and records;
- completing a strategic assessment/risk analysis of each data set to determine an adequate sample;
- recalculating sampled sources to confirm accuracy and conformance with the reporting criteria; and
- verifying historical data and records at an aggregated level for Calendar Year 2022.

### LRQA's Standards, Competence and Independence

LRQA implements and maintains a comprehensive management system that meets accreditation requirements for ISO 14065 *Greenhouse gases – Requirements for greenhouse gas validation and verification bodies for use in accreditation or other forms of recognition* and ISO/IEC 17021 *Conformity assessment – Requirements for bodies providing audit and certification of management systems* that are at least as demanding as the requirements of the International Standard on Quality Control 1 and comply with the *Code of Ethics for Professional Accountants* issued by the International Ethics Standards Board for Accountants.

LRQA ensures the selection of appropriately qualified individuals based on their qualifications, training and experience. The outcome of all verification and certification assessments is then internally reviewed by senior management to ensure that the approach applied is rigorous and transparent.

Signed

Dated: 29 March 2023

A handwritten signature in cursive script that reads "Brooke Farrell".

Brooke Farrell  
On behalf of LRQA, Inc.  
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