



RUBY CANYON ENVIRONMENTAL

Verification Statement

Jacobs Engineering Group

2019 Greenhouse Gas Emissions Inventory

Verification Scope:

Ruby Canyon Environmental, Inc (RCE) was contracted by Jacobs Engineering Group (Jacobs) to perform the third-party greenhouse gas (GHG) emissions inventory verification for Jacobs' facilities reporting under operational control to the ISO 14064-1:2006 standard and the requirements of the GHG Protocol. RCE verified revised emissions for fiscal year (FY) 2019, the period October 1, 2018 to September 30, 2019. RCE verified Jacobs' original emissions inventory in August 2020, but the inventory was revised due to additional information acquired and errors discovered after the verification. The inventory includes emissions of CO₂, CH₄, and N₂O from direct, scope 1 sources (stationary and mobile fuel combustion); indirect, scope 2 sources (purchased electricity and purchased heating) using both the location-based and market-based calculation methodologies; and scope 3 business travel.

Verification Objectives:

- To ensure that Jacobs' GHG assertion is materially correct and that the verification is conducted to the agreed level of assurance,
- To assess the extent of conformity with the stated criteria,
- To determine the completeness of Jacobs' reported data and information, and
- To evaluate Jacobs information systems and the controls and management of those systems.

Greenhouse Gas Reporting Criteria:

Jacobs was assessed against the requirements of *ISO 14064-1:2006: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals* and *The Greenhouse Gas Protocol (GHG Protocol): Corporate Accounting and Reporting Standard*, World Resources Institute and World Business Council for Sustainable Development, dated March 2004. All requirements of *ISO 14064-1:2006* including greenhouse gas reporting, management systems, quantification techniques, and emission factors were reviewed during the verification.

Greenhouse Gas Verification Criteria:

Verification activities were performed in accordance with *ISO 14064-3:2006 Greenhouse Gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions*. The data and information supporting the GHG assertion were not hypothetical, projected, or historical in nature. Some sources, however, did use assumptions to estimate emissions, including mobile combustion emissions and some scope 3 sources.

Level of Assurance:

A limited level of assurance was applied to Jacobs' scope 1, scope 2 location-based, scope 2 market-based, and scope 3 emissions during verification.

Organizational Boundaries:

Jacobs consolidated the scope 1 and scope 2 emissions reported in the GHG Inventory according to the operational control approach.

GHG Emissions Verified (FY 2019):

Emissions Category	Metric tons CO₂e
Total Scope 1 Emissions	20,538.63
Total Scope 2 Location-based Emissions	56,225.16
Total Scope 2 Market-based Emissions	53,288.70
Scope 3 Business travel Emissions	107,968.37
Total Market-based Emissions, Scope 1, 2, and 3	181,795.70
Electricity Sources	MWh
Renewable sources	4,155.28
Non-renewable sources	117,331.79
Total electricity	121,487.07
Purchased Energy Attribute Certificates (EACs)	8,000.00

Verification Opinion:

- ☒ Verified without Qualification
☐ Verified with Qualification
☐ Unable to Verify

Based upon the processes and procedures and the evidence collected, RCE concludes that the GHG assertion is a fair representation of the GHG emissions for FY 2019 and can be considered verified to a limited level of assurance. Based on RCE's verification activities and findings, nothing has come to RCE's attention that Jacobs' GHG report is not prepared in all material respects in accordance with the GHG Protocol and other relevant criteria listed above.

Signatures:

Nina Pinette, Nina Pinette, Lead Verifier

Date August 4, 2021

Jessica Stavole, Jessica Stavole, Independent Peer Reviewer

Date August 4, 2021

Ruby Canyon Environmental, Inc.
743 Horizon Court, Suite 385
Grand Junction, CO 81506



RUBY CANYON ENVIRONMENTAL

Verification Statement

Jacobs Engineering Group

2020 Greenhouse Gas Emissions Inventory

Verification Scope:

Ruby Canyon Environmental, Inc (RCE) was contracted by Jacobs Engineering Group (Jacobs) to perform the third-party greenhouse gas (GHG) emissions inventory verification for Jacobs' facilities reporting under operational control to the ISO 14064-1:2006 standard and the requirements of the GHG Protocol. RCE verified emissions for fiscal year (FY) 2020, the period October 1, 2019 to September 30, 2020. The inventory includes emissions of CO₂, CH₄, and N₂O from direct, scope 1 sources (stationary and mobile fuel combustion); indirect, scope 2 sources (purchased electricity and purchased heating) using both the location-based and market-based calculation methodologies; and scope 3 business travel.

Verification Objectives:

- To ensure that Jacobs' GHG assertion is materially correct and that the verification is conducted to the agreed level of assurance,
- To assess the extent of conformity with the stated criteria,
- To determine the completeness of Jacobs reported data and information, and
- To evaluate Jacobs information systems and the controls and management of those systems.

Greenhouse Gas Reporting Criteria:

Jacobs was assessed against the requirements of *14064-1:2006: Specification with guidance at the organization level for quantification and reporting of greenhouse gas emissions and removals* and *The Greenhouse Gas Protocol (GHG Protocol): Corporate Accounting and Reporting Standard, World Resources Institute and World Business Council for Sustainable Development*, dated March 2004. All requirements of *14064-1:2006* including greenhouse gas reporting, management systems, quantification techniques, and emission factors were reviewed during the verification.

Greenhouse Gas Verification Criteria:

Verification activities were performed in accordance with *ISO 14064-3:2006 Greenhouse Gases – Part 3: Specification with guidance for the validation and verification of greenhouse gas assertions*. The data and

information supporting the GHG assertion were not hypothetical, projected, or historical in nature. Some sources, however, did use assumptions to estimate emissions.

Level of Assurance:

A limited level of assurance was applied to Jacobs' scope 1, scope 2 location-based, scope 2 market-based, and scope 3 emissions during verification.

Organizational Boundaries:

Jacobs consolidated the scope 1 and scope 2 emissions reported in the GHG Inventory according to the operational control approach.

GHG Emissions Verified (FY 2020):

Emissions Category	Metric tons CO₂e
Total Scope 1 Emissions	17,646.26
Total Scope 2 Location-based Emissions	52,985.49
Total Scope 2 Market-based Emissions	6,682.63
Scope 3 Business travel Emissions	53,532.95
Total Market-based Scope 1, 2, 3 emissions	77,861.84
Offsets applied	77,862
Net inventory	0
Electricity Sources	MWh
Renewable sources	3,640
Non-renewable sources	108,949
Total electricity	112,589
Purchased Energy Attribute Certificates (EACs)	108,949

Verification Opinion:

- ☐ Verified without Qualification
☒ Verified with Qualification
☐ Unable to Verify

Based upon the processes and procedures and the evidence collected, RCE concludes that the GHG assertion is a fair representation of the GHG emissions for FY 2020 and can be considered verified to a limited level of assurance. Based on RCE's verification activities and findings, nothing has come to RCE's attention that Jacobs' GHG report is not prepared in all material respects in accordance with the GHG Protocol and other relevant criteria listed above, except the qualification described below.

Qualification:

In the calculation of scope 2 emissions using the market-based method, Jacobs applied RECs produced in one market boundary to locations purchasing electricity in different market boundaries. These RECs were applied to an estimated 1% of Jacobs' total electricity purchased in 2020. The emissions reported are materially correct; however this represents a non-conformance with the requirement that RECs must be applied to locations in the same market boundary in which the RECs were generated.

Signatures:

Nina Pinette, Lead Verifier

Date August 4, 2021



Jessica Stavole, Independent Peer Reviewer

Date August 4, 2021

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Grand Junction, CO 81506