Appendix J.2

Construction Traffic Noise Memorandum

dBF Associates, Inc.

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619-609-0712

July 2, 2025

Johanna Falzarano
SWCA Environmental Consultants
320 N. Halstead Street, Suite 120
Pasadena, CA 91107

Re: Starlight Solar
Construction Traffic Noise Memorandum

Ms. Falzarano:

dBF Associates, Inc. prepared the Noise Analysis for the Starlight Solar project, dated February 20, 2024. The analysis found that construction traffic would generate up to approximately 66 average A-weighted decibels (dBA Leq) (8 hours) at the closest residences along the east / west side of Jewel Valley Road, as detailed below.

Phase	Receptor	Morning		Afternoon	
		1-Hour Average	8-Hour Average	1-Hour Average	8-Hour Average
Phase 1	East Residence	63.9	55.9	69.6	59.6
	West Residence	66.1	58.1	69.5	59.5
Phase 2	East Residence	68.3	60.3	74.0	66.0
	West Residence	70.6	62.6	74.0	66.0

The calculations were based on the following then-current information in the Starlight Solar Transportation Impact Assessment prepared by Kittleson & Associates, dated September 26, 2023:

> During Phase 1, the project would generate 90 light-duty worker trucks, 164 heavy-duty material trucks, and three water trucks on Jewel Valley Road in each direction per day. During Phase 2, the project would generate 225 worker trucks, 466 material trucks, and three water trucks on Jewel Valley Road in each direction per day.

Intera Incorporated has prepared a Starlight Solar Revised Construction Water, Operations and Maintenance and Decommissioning Water Demand Estimate Technical Memorandum dated June 23, 2025. The memo specifies that, due to revisions to the water demands and use of lower-capacity trucks, additional trucks would be needed. Specifically:

- Water used during construction would be delivered by 6,000-gallon capacity trucks instead of 10,000-gallon trucks as previously expected
- Phase 1 construction water demand has decreased from 26,086 gallons per day to 18,522 gallons per day
    - Accordingly, a daily average of 3.09 6,000-gallon trucks would be needed, or four trucks (eight round trips) rounded up
    - Previously, it was expected that three 10,000-gallon trucks could deliver water; as such, one additional truck (two additional round trips) would be needed
- Phase 2 construction water demand has increased from 24,996 gallons per day to 44,367 gallons per day
    - Accordingly, a daily average of 7.39 6,000-gallon trucks would be needed, or eight trucks (16 round trips) rounded up
    - Previously, it was expected that three 10,000-gallon trucks could deliver water; as such, five additional trucks (ten additional round trips) would be needed

The construction traffic noise levels were recalculated to consider the additional truck trips. The updated noise levels are projected to remain as high as approximately 66 dBA Leq (8 hours), as detailed below.

Phase	Receptor	Morning		Afternoon	
		1-Hour Average	8-Hour Average	1-Hour Average	8-Hour Average
Phase 1	East Residence	63.9	55.9	69.6	59.6
	West Residence	66.1	58.1	69.5	59.5
Phase 2	East Residence	68.4	60.4	74.1	66.1
	West Residence	70.6	62.6	74.0	66.0

Construction traffic noise levels would be lower than 75 dBA Leq (8 hours), the threshold of significance. The project would result in no construction traffic noise impact.

Sincerely,

dBF ASSOCIATES, INC.

Steven Fiedler
Principal