RESPONSES TO CEC DATA REQUESTS (#79-100)

APPLICATION FOR CERTIFICATION (07-AFC-8)
Carrizo Energy Solar Farm
Carrizo Energy, LLC

Submitted to:
California Energy Commission

Submitted by:
Carrizo Energy, LLC

DOCKET
07-AFC-8
DATE JUN 27 2008
RECD. JUN 30 2008

With Support from:

URS
1615 Murray Canyon Road, Suite 1000
San Diego, CA 92108

June 2008

URS

June 27, 2008

Ms. Melissa Jones
Executive Director
California Energy Commission
1516 Ninth Street
Sacramento, CA 95814-5512

Subject: Carrizo Energy Solar Farm (07-AFC-8)
Responses to CEC Data Requests #79-100
URS Project No. 27658060.01800

Dear Ms. Jones:

On behalf of Ausra CA II, LLC (dba Carrizo Energy, LLC), URS Corporation Americas (URS) hereby submits the Responses to CEC Data Requests (#79-100).

I certify under penalty of perjury that the foregoing is true, correct, and complete to the best of my knowledge. I also certify that I am authorized to submit the Responses to CEC Data Requests (#79-100) on behalf of Carrizo Energy, LLC.

Sincerely,

URS CORPORATION

Angela Leiba
Project Manager

AL:ml

URS Corporation
1615 Murray Canyon Road
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TECHNICAL AREA: BIOLOGICAL RESOURCES

Data Request 79: Please provide the results for 2008 biological resources surveys for areas to be impacted by the project, including botanical surveys, small-mammal trapping surveys, and blunt-nosed leopard lizard surveys. Please contact Deb Hillyard at CDFG ((805) 772-4318) to ensure that appropriate survey protocols are followed.

Response: Surveys for blunt-nosed leopard lizard are currently being conducted on the Project site and construction laydown area, and will continue through August. Botanical surveys have been completed, and small mammal trapping will begin in late July and continue for 4 weeks. All results will be presented in the revised biological report upon completion of the surveys. URS is working with CDFG and CEC to ensure all protocols are followed.

TECHNICAL AREA: BIOLOGICAL RESOURCES

Data Request 80: Please contact the U.S. Fish and Wildlife Service (USFWS) to determine the survey needs and protocols for the Kern primrose sphinx moth, and provide the results of the sphinx moth surveys.

Response: Susan Jones from the USFWS was contacted in March 2008. She explained that the Kern primrose sphinx moth is known from the Project vicinity and has been detected in some washes located in the Carrizo Plain National Monument. Kern primrose (*Camissonia campestris*), the host plant species for the Kern primrose sphinx moth was not detected on the Project site during protocol rare plant surveys conducted in March through May 2008. Strigose sun cup (*Camissonia strigulosis*) was detected on the CESF Project site, but this *Camissonia* is not a known host plant of the Kern primrose sphinx moth.

Only the very common white-lined sphinx moth was observed on the CESF Project site in April and early May. Other common sphinx moth species that use similar habitat elements as the Kern primrose sphinx moth in the Carrizo Plain and San Joaquin Valley include the Phaeton primrose sphinx moth and the great ash sphinx moth; both relatively common species for the Project vicinity. The flight period for the Kern and Phaeton primrose sphinx moths is February-April, and the flight period for the great ash sphinx moth is May-June. The adults of these three moth species feed on nectar from primrose flowers.

The essential habitat elements of the Kern primrose sphinx moth includes gently sloping sandy washes with loose alluvial soils and sufficiently dense stands of *Camissonia campestris* that allow Kern primrose moth sphinx to travel from stand to stand as they consume their host plants (Jump et al. 2006). The CESF Project site does not support these critical essential elements. Since the host plant species, Kern primrose, was not detected onsite and sphinx moth sightings occurred only in May, outside of the Kern primrose sphinx moth flight period, the potential for Kern primrose sphinx moth onsite is considered to be very low.

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 81: Please conduct an ambient noise survey at noise monitoring location ML03. This survey should measure the ambient noise level during two different times of a 24-hour period, in the morning and in the afternoon. Each measurement should collect at least a one-hour sample. This survey should be conducted during calm weather conditions and provide the resultant noise levels expressed in terms of L_{eq}, L_{10}, L_{50}, and L_{90}.

Response: The 1-hour ambient noise measurements were conducted in the morning, in the afternoon, and at night at ML03 (APN072-061-055) on June 3 and 4, 2008. The methodology used for this sound level measurement was the same as described in the Project AFC, Section 5.12.1.2. The monitor was placed at the outdoor usable area for the residence at ML03. The weather condition was calm with no precipitation experienced throughout the day. The perceived noise sources during the afternoon measurement included as follows: aircraft overflights, dog barks, resident activity noise (e.g., children playing), rustling leaves, bird vocalizations, and assorted farm animal noise. At night, the sound measurement captured the contribution of insect noises, dog barks, automotive noise from a residence, and residence walk-by. During the morning measurement, audible sounds included aircraft overflights, dog barks, resident activity noise (e.g., children playing), rustling leaves, bird vocalizations, and assorted farm animal noise. The following table presents a summary of the measured sound data and corresponding weather conditions.

Date	Start Time	End Time	L_{eq}	L_{10}	L_{50}	L_{90}	Wind (mph)	Temp. (F°)	Humidity (%)
6-3-08	15:10	16:10	50.6	51.5	43.9	36.6	5	91	24
6-3-08	23:15	0:15	53.8	58.3	50.1	31.7	Calm	67	48
6-4-08	8:40	9:40	40.1	40.8	34.2	31.0	Calm	64	59

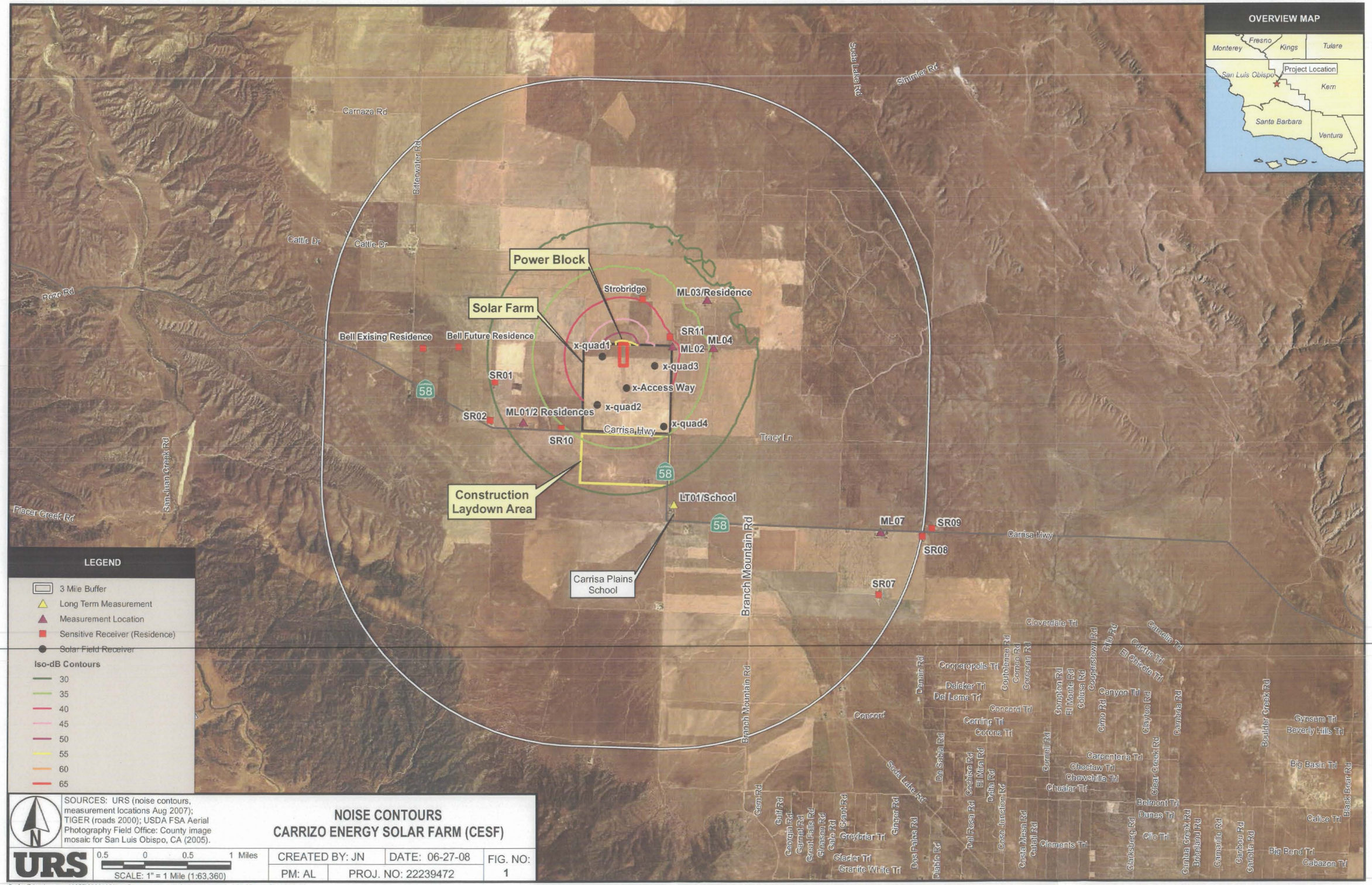
Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 82: Please identify all new residences built since June 2007 and all planned residential developments that the applicant is aware of, within the 3-mile radius of the center of the project site, on a noise contour map similar to AFC Figure 5.12-1.

Response: Based on communications with landowners in the vicinity of the Project, three planned residential developments were identified within the 3-mile radius of the Project site: APN 072-051-026 (Strobridge), APN 072-301-001 (Bell Future Residence), and APN 072-311-004 (Bell Existing Residence) (see Figure 1).

URS (Seth Hopkins) also contacted San Luis Obispo (SLO) County (John McKenzie) and requested a list of permits and permit applications filed since the original list provided in Section 5.18, Cumulative Impacts, Table 5.18-1, Potential Cumulative Projects Considered, of the Project AFC (original results dated July 17, 2007). No additional planned residential developments were identified.



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TECHNICAL AREA: NOISE AND VIBRATION

Data Request 83: Please conduct a short term ambient noise survey at these locations and provide the resultant noise levels expressed in terms of L_{eq}, L_{10}, L_{50}, and L_{90}. This survey should measure the ambient noise levels during three different times of a 24-hour period, in the morning, in the afternoon, and at night. This survey should be conducted during calm weather conditions.

Response: The 1-hour ambient noise measurements were conducted on June 3 and June 4, 2008 in the morning, in the afternoon, and at night for APN 072-051-026 (Strobridge), APN 072-301-001 (Bell Future Residence), and APN 072-311-004 (Bell Existing Residence). The methodology used for this sound level measurement was the same as described in the Project AFC, Section 5.12.1.2.

APN072-051-026 (Strobridge)

The noise sources at APN072-051-026 (Strobridge) were insects, distant agricultural equipment, distant aircraft, and rustling leaves in the afternoon. During the nighttime, the noise sources were insects and rustling leaves. In the morning, dogs were at the site and barking when a vehicle approached. Other noise sources were distant aircraft and rustling leaves.

The weather condition was calm and without precipitation throughout the measurements at the Strobridge site.

Date	Start Time	End Time	L_{eq}	L_{10}	L_{50}	L_{90}	Wind (mph)	Temp. (F8)	Humidity (%)
6-3-08	15:15	16:15	41.6	43.8	40.6	35.9	Calm	86	24
6-4-08	0:30	1:30	45.9	49.8	43.0	35.4	Calm	65	57
6-4-08	8:50	9:50	45.9	45.8	41.3	39.6	Calm	62	54

Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

APN072-301-001 (Bell Future Residence)

The noise sources at APN072-301-001 (Bell Future Residence) were insects, birds vocalizing, and distant aircraft. It should be noted that during the afternoon measurement, the wind speed was up to 15 miles per hour. Apparently due to the wind, the dominant audible noise sources in the afternoon included electric wires near the monitoring site and rustling leaves.

Date	Start Time	End Time	L_{eq}	L_{10}	L_{50}	L_{90}	Wind (mph)	Temp. (F8)	Humidity (%)
6-4-08	18:00	19:00	44.0	47.5	41.9	37.8	0-15	71	28
6-4-08	23:00	0:00	29.9	31.6	29.6	27.9	Calm	55	52
6-5-08	8:10	9:10	33.7	38.5	28.9	24.0	Calm	74	34

Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

APN072-311-004 (Bell Existing Residence)

The noise sources at APN072-311-004 (Bell Existing Residence) were insects, birds vocalizing, distant aircraft, and vehicular traffic on Bitterwater Road. The measurement location was approximately 800 feet east of Bitterwater Road and approximately 20 feet south of the building. It should be noted that during the afternoon measurement, the wind speed was up to 15 miles per hour. However, most of wind was blocked by the building.

Date	Start Time	End Time	L_{eq}	L_{10}	L_{50}	L_{90}	Wind (mph)	Temp. (F8)	Humidity (%)
6-4-08	16:50	17:50	37.1	39.4	36.0	33.9	0-15	81	21
6-5-08	0:15	1:15	31.6	34.8	30.7	24.5	Calm	50	52
6-5-08	7:00	8:00	40.7	45.3	32.4	25.2	Calm	57	40

Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 84: Please provide the estimated project noise levels at these locations, during both construction and operation.

Response: The following table indicates the predicted project construction sound levels at each of the three locations identified in Data Request Response #82. The sound level predictions also include the following considerations, in chronological sequence:

- Construction of the onsite manufacturing building that takes place in the first four months of the overall 35-month project construction schedule.
- Operation of the onsite manufacturing building and processes within for the fabrication and assembly of project system components.
- Demolition or dismantling of the onsite manufacturing building upon completion of project system components. This activity will take place in the last four months of the overall 35-month project construction schedule.

The chart associated with the table depicts how the L_{eq} and L_{max} aggregate construction noise levels are expected to change from month to month, based on the planned construction schedule.

Predicted Construction Sound Levels

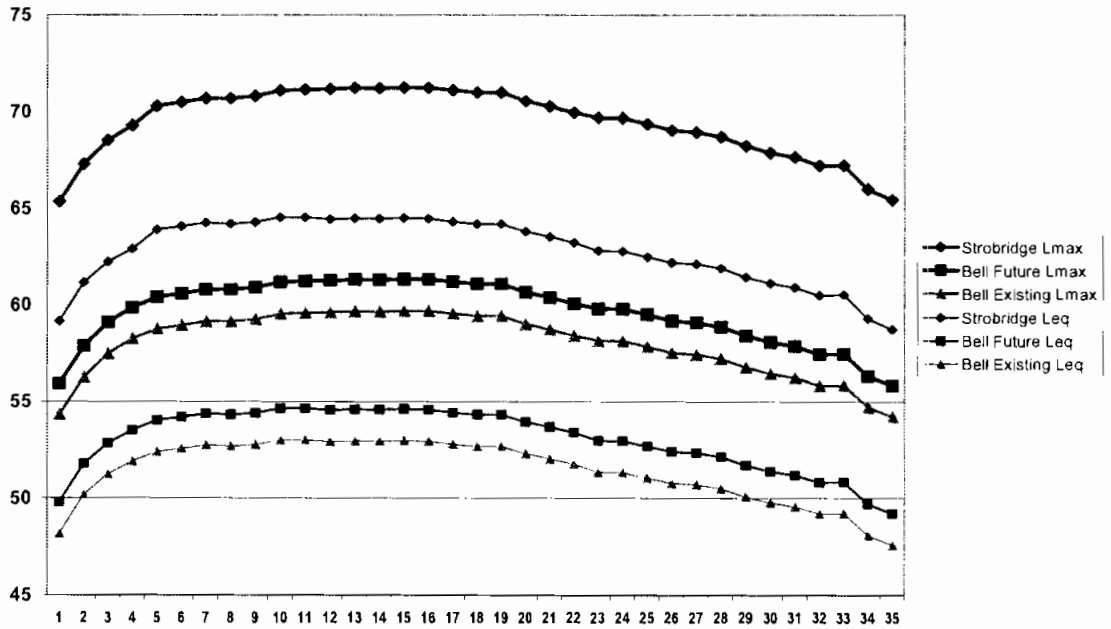
Locations Identified in Response to Data Request #82	Direction from Center of Power Block	Distance from Center of Power Block (ft)	Distance from Center of On-Site Manufacturing Building (ft)	Calculated L_{eq} Range Over 35 months (dBA)	Calculated L_{max} Range Over 35 months (dBA)	Existing Ambient (dBA)
APN 072-051-026 Strobridge	North	3,230	8,307	59-65	65-71	44
APN 072-301-001 Bell Future Residence	West	10,207	11,662	49-55	56-61	41
APN 072-311-004 Bell Existing Residence	West	12,356	13,594	48-53	54-60	39

Note: The methodology described in the Project AFC, Section 5.12.2.1 was applied. Detailed information regarding onsite manufacturing will be available as part of the Supplement to the Carrizo Energy Solar Farm Application for Certification to be submitted by the Applicant in early July.

Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

Note: The difference between calculated L_{eq} and L_{max} is attributed to construction equipment duty cycle or utilization. L_{max} presumes duty cycle = 100%.

Predicted Aggregate Construction dBA per Planned Construction Month



Section 22.10.120 (A.4) of the San Luis Obispo (SLO) County Code excepts construction activities and their sound generation from the noise ordinance standards, provided such activities take place within a stated period (7:00 am to 9:00 pm on weekdays, and 8:00 am to 5:00 pm on weekends

Furthermore, the highest expected L_{max} levels from construction as received by the Strobridge location are within 1-2 dBA of the SLO County Noise Element limit (70 dB from Table 3-2 of the SLO Noise Element) for L_{max} from stationary (i.e., non-transportation) noise sources at a receiving property line. Additionally, at both of the Bell residence locations (existing and future), the anticipated L_{eq} is not expected to range more than 5 dBA greater than the 50 dBA limit for stationary noise sources.

Construction Traffic

According to Section 5.12.2.1.3 of the Project AFC, average daily traffic volumes on SR-58 are approximately 720 vehicles (with 8 percent associated with trucks) at Cammati Creek and 350 vehicles with (21 percent associated with trucks) on Soda Lake Road. The predicted sound levels at Cammati Creek would be 61.5 dBA at 50 feet from the roadway center line. The predicted sound levels at Soda Lake Road would be 61.1 dBA at 50 feet from the roadway center line.

Detailed volumes of peak hour construction traffic will be provided in the Supplement to the Carrizo Energy Solar Farm Application for Certification.

Operational

The following table indicates the Project operational noise levels at each location identified in Data Request Response #82.

Locations Identified in Data Request #82	Existing (dBA)	Future Operational Sound Levels		
		Calculated (dBA)	Existing + Calculated (dBA)	Difference from Existing (dB)
APN072-051-026 Strobridge	44	41	46	+2
APN072-301-001 Bell Future Residence	41	26	41	0
APN072-311-004 Bell Existing Residence	39	24	39	0

Note: Existing sound levels were the average of morning and afternoon measurements conducted on June 3 and 4, 2008.
The calculated sound levels are based on the new design layout, which will be presented in the Supplement to the Carrizo Energy Solar Farm Application for Certification.
Note: Please refer to the Project AFC, Section 5.12, Noise, for a discussion on noise descriptors (i.e., L_{eq}, L_{10}, L_{50}, L_{90}).

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 85: Please discuss whether residents living in these properties are likely to be present in their homes during the construction hours of 7:00 am to 7:00 pm Monday through Friday.

Response: Based on comments received at the Applicant's and the CEC's public hearing and workshops, URS conservatively assumes that noise-sensitive residential receivers would be occupied during the expected daytime construction hours of 7:00 am to 7:00 pm Monday through Friday.

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 86: Please state the hours of night and early morning, and the length of time in terms of weeks or months, when the above nighttime construction would occur.

Response: The planned construction activities are scheduled to occur between 7:00 am and 7:00 pm, Monday through Friday, during the Project's 35-month construction schedule. However, additional hours may be necessary to make up schedule deficiencies or to complete critical construction activities. As Section 3.4.13.1 of the Project AFC indicates, some activities will continue 24 hours per day, 7 days per week. These activities include, but are not limited to, refueling equipment, staging material for the following day's construction activities, quality assurance/control, and commissioning. For additional information, refer to Applicant's response to Robin Bell's Question #7 and Applicant's response to Robin Bell's (Part 2) Question RB2(7).

TECHNICAL AREA: NOISE AND VIBRATION

Data Request 87: Please evaluate the noise impacts of the proposed nighttime construction activities at noise monitoring locations ML01, ML02, ML03, ML07, and SR10. This discussion should include the estimated construction noise levels and the resultant predicted increases in the ambient noise levels at these locations.

Response: Due to the uncertainty of actual construction activity taking place outside of the 7:00 am through 7:00 pm daytime period, night-time construction noise estimates cannot be made at this time. As is typical for powerplant construction, the project may from time to time conduct quieter construction activities at night. However, to provide a reasonably conservative assumption to address activities such as pouring concrete for the turbine foundations at night during the summer we have used a proxy of 10% of the daytime equipment roster. Under this scenario we assumed 10% of the daytime equipment roster would be operating at night and nothing else has changed. With these assumptions the night-time construction noise levels would be—on average—10 dB lower than the ranges indicated in the table for the response to Data Request #84. We believe these assumptions are very conservative because the most likely scenario of a concrete pour at night would require less than 10% of the daytime equipment roster to be running at night.

TECHNICAL AREA: SOCIOECONOMICS

Data Request 88: Please describe the difference between "construction payroll" and "wages and salaries."

Response: "Construction payroll" refers primarily to the wages due to the Applicant's outside construction contractor(s) and associated craftsworkers. The Applicant's operations employees will receive "wages and salaries." These employees will work directly for the Applicant, in most cases. These employees of either Ausra CA I, LLC or Carrizo Energy, LLC, could theoretically oversee the construction process as well, and the term should not be construed as limited to the period beginning only when the construction period ends.

TECHNICAL AREA: SOCIOECONOMICS

Data Request 89: Please estimate the amount of construction payroll to be paid out to local construction workers (San Luis Obispo and Kern counties).

Response: According to the Applicant's best estimate, local construction workers may comprise approximately 50 percent of the construction workforce, depending on availability. According to Section 3.4.13.1.9 of the Project AFC, construction payroll is expected to be approximately $170 million (2007 USD). Therefore, of the total construction payroll, approximately $85 million would be paid to local construction workers.

TECHNICAL AREA: SOCIOECONOMICS

Data Request 90: Please clarify what is meant by "local area."

Response: The "local area" is defined as a two hour commuting distance from the CESF site. This area would include the majority of San Luis Obispo County and Kern County.

TECHNICAL AREA: SOCIOECONOMICS

Data Request 91: Please describe what materials and/or products are expected to be purchased locally.

Response: Local construction materials will be purchased when they are available at competitive prices. Locally available products may potentially include concrete, asphalt, cleaning materials, landscaping materials, fencing, etc.

TECHNICAL AREA: SOCIOECONOMICS

Data Request 92: Please estimate how much sales tax revenue would be generated by the purchase of local materials and/or products.

Response: Of total construction costs, including construction payroll, the Applicant estimates that approximately 20 percent would be used for purchase of local materials. This is based on the assumption that local workers will use a portion of their earnings for purchase of local materials as well. Calculating based on this estimate, the Project would result in approximate sales tax revenue of $7.75 million.

TECHNICAL AREA: SOIL AND WATER RESOURCES

Data Request 93: Please survey residents within a 2-mile radius regarding their use of groundwater and provide information on well location, depth, and screening interval; depth to groundwater; typical pumping rates; and groundwater quality.

Response: Applicant's response to Data Request 97 is included within the Hydrology/Hydrogeological Report, submitted to the CEC on June 27, 2008. Specifically, refer to Section 3.3.

TECHNICAL AREA: SOIL AND WATER RESOURCES

Data Request 94: Please provide an assessment of groundwater conditions to include analysis of any new information that may be obtained. The supplement should be prepared by a Certified Hydrogeologist or Professional Engineer experienced in conducting groundwater studies and should include the following:

a. Results of the survey of local residents to determine the location of wells within a 2-mile radius including details on depth, annual use, and groundwater quality.
b. Review of the soils, hydro-geology, and groundwater horizons at the project site.
c. Review of the quality of groundwater in each groundwater horizon at the site, identifying the lowest quality groundwater for use by the project.
d. The effects of groundwater pumping on groundwater quality.
e. Results of pump tests at the project site.
f. Results of groundwater modeling analysis and model documentation that includes a discussion of rationale for characterization of the groundwater system, selection of model parameters, and any supporting technical information.
g. Further assessment of the expected groundwater recharge at the project site taking into account evaporation, transpiration, and current project design which includes surface water retention and infiltration.
h. An assessment of expected drawdown at neighboring wells.
i. A summary assessment of the Carrizo Plain Groundwater Basin.

Response: Applicant's response to Data Request 97 is included within the Hydrology/Hydrogeological Report, submitted to the CEC on June 27, 2008. Specifically, refer to:

a. Section 3.3
b. Section 3.1
c. Section 3.4.1
d. Section 3.6.5.2
e. Section 3.4.4
f. Section 3.6
g. Section 2.2.4
h. Section 3.6.5.2
i. Sections 2.1.2, 2.2.4, and 3.0

TECHNICAL AREA: SOIL AND WATER RESOURCES

Data Request 95: Please provide an assessment of average annual runoff flowing into Soda Lake in the drainage channel that traverses the laydown area south of the project site for pre- and post-project conditions.

Response: Applicant's response to Data Request 97 is included within the Hydrology/Hydrogeological Report, submitted to the CEC on June 27, 2008. Specifically, refer to Section 2.2.3.2 and Table 2-4.

TECHNICAL AREA: SOIL AND WATER RESOURCES

Data Request 96: Please provide an assessment of the total average annual runoff from the total contributing watershed that flows to Soda Lake.

Response: Applicant's response to Data Request 97 is included within the Hydrology/Hydrogeological Report, submitted to the CEC on June 27, 2008. Specifically, refer to Section 2.2.3.2 and Table 2-4.

TECHNICAL AREA: SOIL AND WATER RESOURCES

Data Request 97: Please compare the total runoff flowing to Soda Lake pre- and post-project.

Response: Applicant's response to Data Request 97 is included within the Hydrology/Hydrogeological Report, submitted to the CEC on June 27, 2008. Specifically, refer to Section 2.2.3.2 and Table 2-4.

TECHNICAL AREA: TRAFFIC AND TRANSPORTATION

Data Request 98: Please conduct an engineering review of SR58 to verify that construction trucks and buses would likely be able to stay within the roadway striping along the particularly winding segment located approximately 14 miles east of the project site and identified on the attached map.

Response: The Applicant anticipates that all 40-foot trucks would travel from the east via SR-58 and all large loads (e.g., 53-foot) would travel from the west via Bitterwater Road. Carrizo Energy will coordinate with San Luis Obispo County as the Project logistics plan progresses. Once the Applicant and County finalize a haul route, appropriate transportation permits would be obtained. SR-58 has restrictions by Caltrans that require the use of pilot cars under varying width and length conditions.

TECHNICAL AREA: TRAFFIC AND TRANSPORTATION

Data Request 99: If the engineering study shows a likelihood that trucks would cross the roadway centerline along this segment, please identify specific controls for truck traffic, such as one-way corridors, traffic signals, flagpersons, etc. that could be implemented to ensure safe passage of construction trucks and buses through this roadway segment.

Response: Please refer to response to Data Request 98, above.

TECHNICAL AREA: VISUAL RESOURCES

Data Request 100: Please provide an exterior lighting plan for the CESF project. The exterior lighting plan should include at the minimum the following:

a. A plot plan showing the location on the project site and structure where the outdoor light fixtures are to be installed;
b. A diagram showing the type of light fixture to be installed at the specific location;
c. A description of the outdoor lighting fixtures, including, but not limited to, the manufacturer's catalog cut sheets and drawings, the total lumen output, and the character of the shielding of the fixture, or its construction so that rays emitted by the fixture are projected below the horizontal plane passing through the lowest point on the fixture from which light is emitted. Lighting is to be fully shielded if feasible and partially shielded in all other cases, and must be focused to minimize spill light in to the night sky and onto adjacent properties. The following items are suggestions:

    i. Exterior lighting originating on a property should be limited to a maximum of 0.5 horizontal foot candles (HFC) at a distance of 25 feet beyond the property lines. This specification will allow the controlled placement of lighting poles and luminaires adjacent to the property lines. With many outdoor luminaires, it is difficult to comply with low level foot candle requirements at the property line.
    ii. Direct glare shall not be observable outside the property boundary at an angle greater than 85 degrees from the nadir of the vertical axis of the light source. Direct glare is defined as the visual discomfort resulting from insufficiently shielded light sources in the field of view. One should "see the effect, not the light source."

d. Lights in high illumination areas not occupied on a continuous basis (such as maintenance platforms) shall, in addition to hoods, have switches, timer switches, or motion detectors so that the lights operate only when the area is occupied. All lighting should be of minimum necessary brightness consistent with operational safety and security.
e. Identify onsite areas that are to use motion detectors with security lights instead of dusk to dawn types. Sudden illumination of an area triggered by a person's movement is more likely to catch the interest or sensitivity of a neighbor than a light that is continuous.

Response: Per URS (Amy Gramlich, Visual Resources Specialist) telephone correspondence with CEC (Mark Hamblin) on April 8, 2008, a Preliminary Lighting Plan was prepared and submitted to the CEC on June 23, 2008.

Subsequently, a Lighting Plan will be prepared and submitted as part of the Supplement to the Carrizo Energy Solar Farm Application for Certification (anticipated submittal in early July 2008) for Staff to review prior to preparation of the Preliminary Staff Assessment for the Project. The Lighting Plan will include information outlined in Data Request 100, above.

BEFORE THE ENERGY RESOURCES CONSERVATION AND DEVELOPMENT COMMISSION OF THE STATE OF CALIFORNIA

APPLICATION FOR CERTIFICATION *For the CARRIZO ENERGY SOLAR FARM* **PROJECT**	**Docket No. 07-AFC-8** **PROOF OF SERVICE** (Revised 5/15/2008)

INSTRUCTIONS: All parties shall either (1) send an original signed document plus 12 copies or (2) mail one original signed copy AND e-mail the document to the address for the Docket as shown below, AND (3) all parties shall also send a printed or electronic copy of the document, which includes a proof of service declaration to each of the individuals on the proof of service list shown below:

CALIFORNIA ENERGY COMMISSION
Attn: Docket No. 07-AFC-8
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DECLARATION OF SERVICE

I, Kristen E. Walker, declare that on June 27, 2008, I deposited copies of the attached Responses to CEC Data Requests #79-100 (Carrizo Energy Solar Farm 07-AFC-8) in the United States mail (FedEx) with first-class postage thereon fully prepaid and addressed to those identified on the Proof of Service list above.

OR

Transmission via electronic mail was consistent with the requirements of California Code of Regulations, title 20, sections 1209, 1209.5, and 1210. All electronic copies were sent to all those identified on the Proof of Service list above.

I declare under penalty of perjury that the foregoing is true and correct.