

DOCKETED

Docket Number:	21-TPG-01
Project Title:	Roseville Energy Park Temporary Power Generators
TN #:	239575
Document Title:	Roseville's CEC Permit Application Part 2
Description:	Part 2 of Roseville's CEC application package
Filer:	Roseville Electric Compliance
Organization:	Roseville Electric
Submitter Role:	Applicant
Submission Date:	9/2/2021 9:50:35 AM
Docketed Date:	9/2/2021

Proof of Installation Contract

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES

STANDARD AGREEMENT

STD 213 (Rev. 04/2020)

AGREEMENT NUMBER

4600014215

PURCHASING AUTHORITY NUMBER (If Applicable)

1. This Agreement is entered into between the Contracting Agency and the Contractor named below:

CONTRACTING AGENCY NAME

Department of Water Resources

CONTRACTOR NAME

Kiewit Power Constructors Co.

2. The term of this Agreement is:

START DATE

August 3, 2021

THROUGH END DATE

August 2, 2023

3. The maximum amount of this Agreement is:

4. The parties agree to comply with the terms and conditions of the following exhibits, which are by this reference made a part of the Agreement.

Exhibits	Title	Pages
Exhibit A	Scope of Work	8
Att. 1	Sample Service Request	1
Att. 2	Sample Letter of Authorization	3
+ - Exhibit B	Budget Detail and Payment Provisions	2
+ - Att. 1	Rate Sheet	7
+ - Att. 2	Liquidated Damages Terms for Project Site	1
+ - Att. 3	DIR Registration Certification	1
+ - Att. 4	Equipment Rates	1
+ - Exhibit C	General Conditions	65
+ - Exhibit D	Additional Provisions (Rev. 1/21)	6
+ - Att. 1	Travel and Per Diem (DWR 9580, Rev 9/19)	2
+ - Att. 2	Std. 18, Standard California Nondiscrimination Construction Specifications (Rev. 01/95)	2
+ - Att. 3	Protection of Confidential and Sensitive Information (Rev. 2/16)	2
+ - Att. 4	Non-Disclosure Certificate (Rev. 2/15)	1
+ - Att. 5	DVBE Activity Report Form (DWR 9553, Rev 8/14)	2
+ - Att. 6	Small Business and DVBE Subcontractor Payment Certification (DWR 9683, Rev 1/21)	1

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES

STANDARD AGREEMENT

STD 213 (Rev. 04/2020)

		AGREEMENT NUMBER 4600014215	PURCHASING AUTHORITY NUMBER (If Applicable)	
Exhibits	Title			Pages
+ - Att. 7	Site Owner Waiver and Release			1

Items shown with an asterisk (*), are hereby incorporated by reference and made part of this agreement as if attached hereto.

These documents can be viewed at <https://www.dgs.ca.gov/OLS/Resources>

IN WITNESS WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED BY THE PARTIES HERETO.

CONTRACTOR

CONTRACTOR NAME (if other than an individual, state whether a corporation, partnership, etc.)

Kiewit Power Constructors Co.

CONTRACTOR BUSINESS ADDRESS 8900 Renner Boulevard		CITY Lenexa	STATE KS	ZIP 66219
PRINTED NAME OF PERSON SIGNING Chris Turnbull		TITLE President		
CONTRACTOR AUTHORIZED SIGNATURE <i>Chris Turnbull</i>		DATE SIGNED 8/17/2021		

STATE OF CALIFORNIA

CONTRACTING AGENCY NAME Department of Water Resources	Approved as to legal form and sufficiency: <i>David B. Carroll</i> for Asst. General Counsel, DWR		
CONTRACTING AGENCY ADDRESS 1416 Ninth Street, Room 1115	CITY Sacramento	STATE CA	ZIP 95814
PRINTED NAME OF PERSON SIGNING Ted Craddock	TITLE Deputy Director, State Water Project		
CONTRACTING AGENCY AUTHORIZED SIGNATURE <i>Ted Craddock</i>	DATE SIGNED 8/17/2021		
CALIFORNIA DEPARTMENT OF GENERAL SERVICES APPROVAL	EXEMPTION (If Applicable) Executive Order 7-30-21 DGS Approval Not Required		

CALIFORNIA NATURAL RESOURCES AGENCY

GAVIN NEWSOM, Governor

DEPARTMENT OF WATER RESOURCES

DIVISION OF OPERATIONS & MAINTENANCE

1416 9th Street
Sacramento, CA 95814



August 27, 2021

Drew Bohan, Executive Director
California Energy Commission
715 P Street
Sacramento, CA 95814-5512

Re: Letter of Attestation for As-Built Engineering Drawings and Manufacturer's Cut Sheets for Calpine Greenleaf 1 and Roseville Energy Park TM2500s

Dear Mr. Bohan,

Pursuant to Governor Newsom's July 30, 2021 State of Emergency Proclamation, the Department of Water Resources (DWR) has contracted with General Electric Company and Kiewit Power Constructors, Inc. for the procurement, design, construction, and commissioning of temporary natural gas power generators to deliver net peak energy before October 31, 2021. Two 30MW TM2500 generation units will be installed at Calpine's Greenleaf 1 site and another two 30MW TM2500 generation units will be installed at the Roseville Energy Park. DWR will be the temporary owner of the units located on leased properties, and the units will be operated by Calpine and Roseville Electric respectively per our lease agreements. Due to the expedited schedule and suspension of the typical CEC licensing process, DWR attests as the owner of the TM2500 units, it will provide all as-built engineering drawings and manufacturer's cut sheets for the installed power generator packages and all associated appurtenances after commissioning. As-built engineering drawings and manufacturer's cut sheets will be provided to both the site operators and the CEC as soon as it becomes available.

Sincerely,

A handwritten signature in blue ink that reads "Ted Craddock".

Ted Craddock, Deputy Director
State Water Project
Department of Water Resources



TOP NOTE:
 NAMEPLATE MATL: STAINLESS STEEL
 THE DATE OF MANUFACTURE, AND PERCENT IMPURANCE
 ARE STAMPED OR ADDED ELECTRONICALLY ON THE
 NAMEPLATE AFTER TEST AND PRIOR TO SHIPMENT.

GUARANTEE IMPEDANCE
5V-1V 8.00 Ω AT 60000-13800 VOLTS AND 62.0 MVA

NOTE: THE LAST REVISION AFFECTING THE ACTUAL
NAMEPLATE WILL MATCH THE REVISION NUMB
IN THE LOWER RIGHT CORNER OF THE PLATE

REVISED	
1	DATE 04/09/04
2	FOR INFORMATION AND

	WALKERMA	
	ELECTRO SYSTEMS	
	NAMEPLATE	
	THE TWO DIMENSIONS ARE IN MILLIMETERS (INCHES) THE TWO DIMENSIONS ARE IN MILLIMETERS (INCHES)	
REV 2.30	12/26/2005 DATE	12/26/2005 DATE
05115786 PART NO.	D DIM	001 DIM

GE Turbine/Generator
Near Field Noise Map

GE ENERGY
AERO
16415 Jacintoport Blvd.
Houston, TX 77015
Engineer: Quoc nguyen

CUSTOMER	Chuck Houseknecht
PROJECT	Calpine Green Leaf 1 / City of Roseville / Midway Starwood
PURPOSE	Provide noise map SPL and PWL to sale/application
DATE	19-Aug-21
Assumption: TM2500 Gen 8 Growth 60hz gas fuel 90 dbA NF guaranteee	

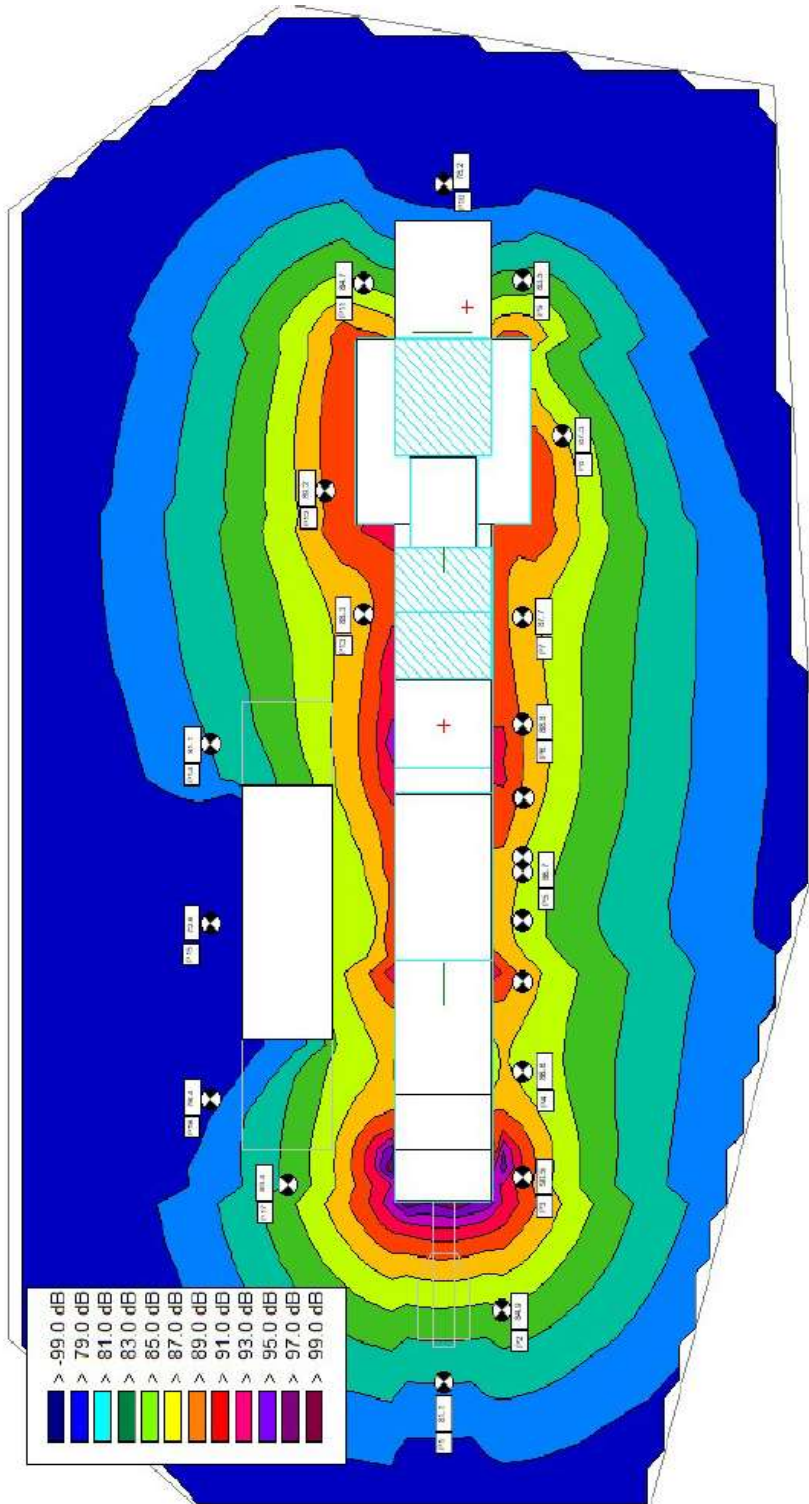
Name	Sound Power Level PWL Day (dB(A))										A	lin
	31.5	63	125	250	500	1000	2000	4000	8000			
TM2500	84.6	97.1	105.4	105.4	105.7	104.2	104.8	100	89.3	112.6	128.1	
GLO	70	81.7	102.5	101	96.2	92.3	93	89.5	82.6	105.9	119.9	
TURBINE EXHAUST	78.8	90.4	95.9	99.2	94.4	91.5	92.3	89.8	78.5	103.1	121.3	
FAN	65.9	80.1	83.9	86.1	89.8	88.9	85.5	78.9	67.5	94.6	109.6	
AUX	49.7	65	76.3	83.6	79	77.2	77.7	72.9	64.2	86.9	97.6	
TURBINE	76.3	92.5	98.4	99.2	95.6	95.2	93.9	94.5	82.2	104.7	121.7	
TURBINE CHASSIS	66	85.3	92.4	91.3	89.8	87.9	88.5	92.8	80.5	99.1	114.2	
TURBINE BASE	70.1	81.9	90.6	90.1	86.3	87.9	86.1	86.4	74.2	96.3	113.2	
TURBINE ENCLOSURE	74.5	91.1	96	97.8	93.6	92.2	91.3	86.9	73.9	102.3	120	
AIR_FILTER	72.3	85.7	93.1	91.4	100.5	99.9	102.7	94.3	83	106.7	116.5	
AIR FILTER CHASSIS	63.5	74.1	81.5	83.2	100.3	99.8	102.6	93.8	79.9	106.1	109.3	
AIR FILTER INLET FACES	68.6	82.5	89.2	84.6	84.4	82.6	85.7	83.9	79.9	94	112.4	
AIR FILTER HOUSE	68.7	82.4	90.3	89.5	85.3	82.4	84.9	79	66.4	94.8	112.7	
GEN_TB_COUPLING	67.4	81.2	87.2	89	93.5	91.7	90.5	87.4	79	98.4	111.4	
GEN	81.3	91.7	95.7	94.3	100.9	99	96.2	93.1	81.8	105.4	123	
GEN CHASSIS	68	81.9	89.7	86	88.2	86.8	82.7	78.7	68.7	94.6	112.1	
GENERATOR VENT OUTLET	72.1	86	85.3	82.5	83.8	82.6	82.8	79.3	69.7	92.2	115.1	
GENERATOR VENT INLET	79.5	84.9	90.4	89.8	90.4	87.7	89.6	87.3	76.7	97.5	119.8	
GENERATOR CASING	73.4	87.1	89.9	89.8	99.6	97.8	94	90.8	78.8	103.3	116.8	
GENERATOR BASE	64.6	79.8	85.1	83.2	88.2	85.9	81.9	75.8	64.8	92.8	109.1	
Generator Exciter	53.8	62.3	71.6	73.6	86.7	85.9	82.8	79.4	69.1	90.7	97.1	

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CUSTOMER	Chuck Houseknecht
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PURPOSE	Provide noise map SPL and PWL to sale/application
DATE	19-Aug-21

Assumption:
TM2500 Gen 8 Growth
60hz gas fuel
90 dbA NF guarantee

Receiver	dBA		dB									
	Receiver reading	31 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000Hz	2000 Hz	4000 Hz	8000 Hz		
Near Field												
G3	88.2	102	100.9	94.8	85.6	87	81.7	77.7	75	65.4		
G4	86.1	103.4	103	95.5	86	82.9	78.4	74.5	70.9	62.3		
G5	87	103.9	103.7	96	87.2	83.3	79.8	76	72.6	64.2		
G6	88.6	104	104	97	89.1	84.9	81.3	78.1	75.5	67.2		
P1	81.1	91.6	89.5	94.6	83.2	74.2	67.3	66.4	61.8	54.8		
P2	84.9	94.5	92.8	98	87.4	78.3	72	71.2	67.5	61.2		
P3	90.5	97.4	95.6	102.6	94.3	84	77.6	76.9	74.1	69.3		
P4	86.6	99.8	98	96.8	88.3	83.3	78.2	75.1	72.3	64.6		
P5	86.7	103.8	103.7	95.9	86.8	83	79.4	75.5	72.1	63.6		
P6	88.8	104	104.4	98.1	90.6	83.9	80.3	77.9	76.8	67		
P7	87.7	102.8	103.2	96.5	88.7	82.4	79.4	78.4	76.9	66.7		
P8	87.3	98.5	98.7	91.9	81.6	83.7	80.3	81.8	74.2	66.2		
P9	83.5	94.7	93.7	88.4	80.2	79.8	76.4	78.2	69.8	59.5		
P10	78.2	91.5	90.3	84.1	75.2	73.8	70.9	72.7	64.3	52.8		
P11	84.7	94.8	93.6	88.4	79.9	81.2	77.8	79.6	71.1	60.2		
P12	89.2	99.4	99.9	92.8	83.6	85.8	82.4	83.8	76.2	66.4		
P13	88.3	102.4	103.4	96.9	89.5	83	80.1	79.1	77.4	67.2		
P14	81.1	96.3	96.3	89.6	81.4	75.9	73.1	73.1	69.1	58.9		
P15	72.6	93.6	90.7	84.9	73.4	65.4	60.6	60.8	52.6	41.7		
P16	78.4	93.7	90.7	90.7	80.8	73.1	66.9	64.6	61	55.4		
P17	83.4	95	92.9	95.3	86	78.3	72.9	70.8	67.7	61.2		





TECHNICAL MEMORANDUM

Title: Acoustical Modeling Assessment

Project: Roseville Energy Park TM2500 Installation
Location: Roseville, CA
Prepared For: Kiewit
Prepared By: David M. Hessler, P.E., INCE
Revision: A
Issue Date: August 26, 2021
Reference No: TM-2211-082521-A

Attachments: **Plot 1** Sound Contours per Current Plans
A Source Sound Power Level Information (General Electric)

1.0 Introduction

A noise modeling analysis has been carried out to determine what sound levels can be expected in the vicinity of the Roseville Energy Park (REP) from the planned installation of two GE TM2500 trailer mounted gas turbine generators. These mobile units are being brought in to quickly augment the power from the existing REP combined cycle plant.

This report briefly summarizes the modeling methodology and expected sound emissions from the TM2500 units.

2.0 Modeling Methodology and Inputs

2.1 Modeling Methodology

The power augmentation equipment has been modeled in three dimensions using the Cadna/A[®] software program, which was developed by Datakustik, GmbH specifically for power industry applications. Once the physical structures of the facility and its surroundings are created, the model is populated with noise sources, represented as points, areas or lines as appropriate.

Snapshots from the completed model are shown below. The structures associated with the existing combined cycle plant at the REP site have been included to take into account their effect on sound propagation to the west and south.

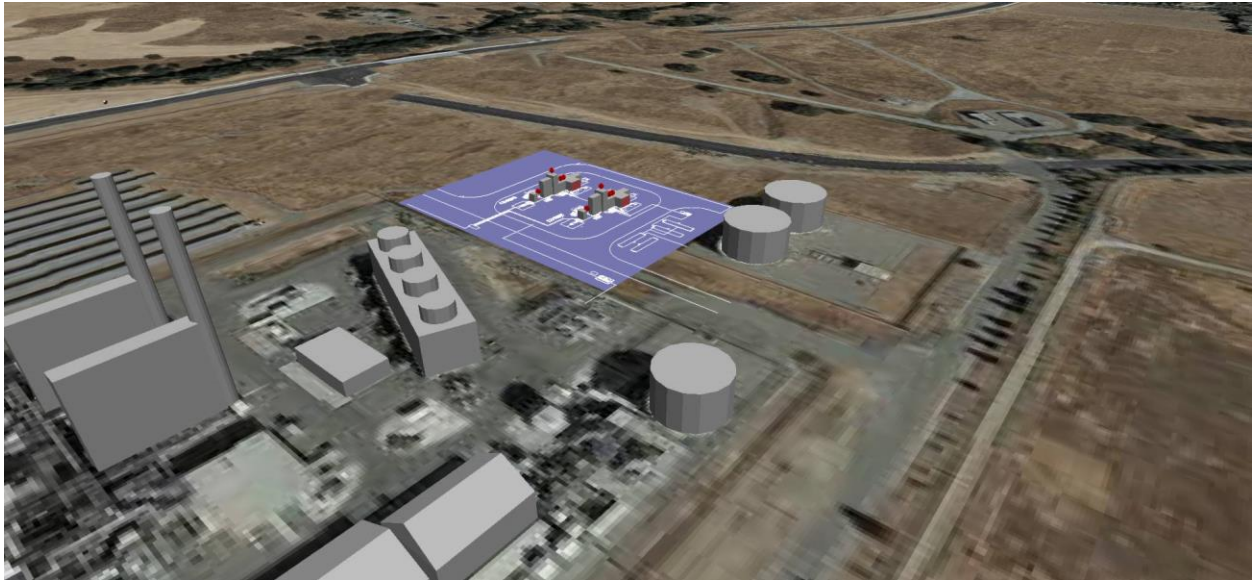


Figure 2.1.1 Model Snapshot Looking NE

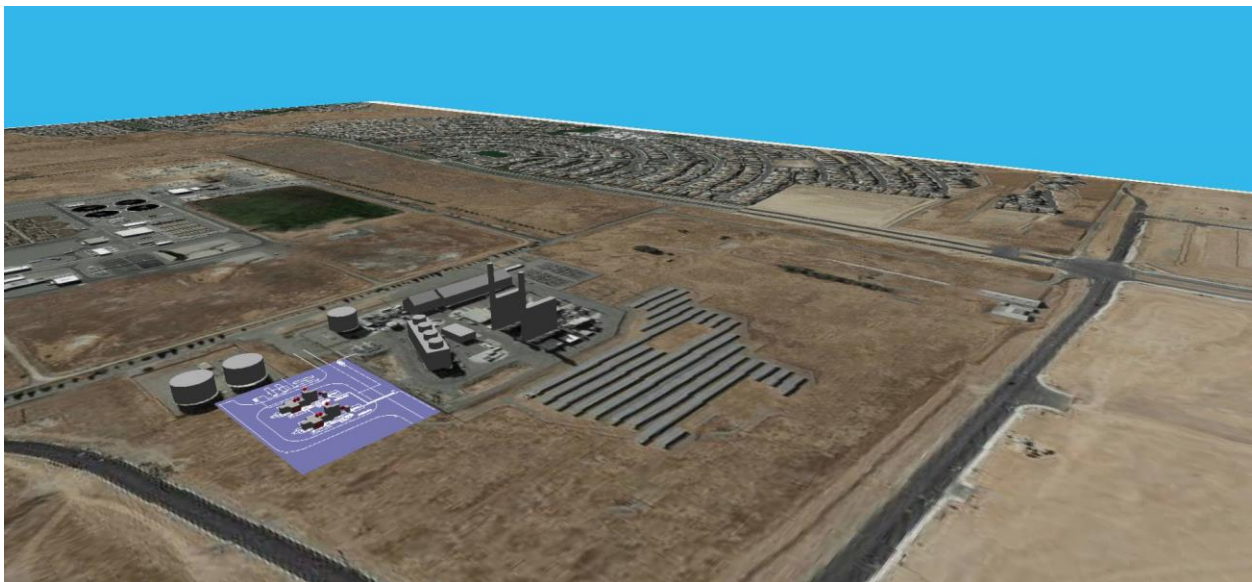


Figure 2.1.2 Model Snapshot Looking SW

The sound pressure level at any point of interest is calculated from the sum of all individual sources in strict accordance with ISO 9613-2 *Acoustics – Attenuation of sound during propagation outdoors*. A mid-range ground absorption coefficient, A_g , of 0.5 has been used for the entire model space. The terrain around the site is essentially flat.

2.2 Modeling Inputs

Much more important than the modeling software and propagation details, however, are the source input levels. In this case, sound power levels for all sub-components of each unit were supplied by General Electric in the attached table dated 8/19/21 (**Attachment A**). It should be noted that all subsequent results rely on the validity and accuracy of this information.

3.0 Analysis Results

The calculated A-weighted sound contours from the two TM2500 units during full load operation are shown in **Plot 1**. The specific sound levels at the nearest potentially sensitive residences are tabulated below.

Table 3.0.1
Predicted Sound Levels at Potentially Sensitive Receptors

Design Point	Location	Facility Sound Level, dBA	Facility Sound Level, dBC
1	Nearest Residence to the NNE	52	69
2	Future Residential to the ENE	45	63
3	Apartment Complex to the E	48	65
4	Existing Residential to the SW	46	64

The contours in Plot 1 are taken out to a low value of 40 dBA for informational purposes, but the threshold for any potentially adverse noise impact may be essentially taken as 45 dBA. A sound level of 45 dBA is a common design goal and regulatory limit for *nighttime* sound emissions. This value originates from guidelines¹ published many years ago by the U.S. Environmental Protection Agency (EPA), where a maximum day-night average (Ldn) sound level of 55 dBA is recommended for “outdoors in residential areas and farms and other outdoor areas where people spend widely varying amounts of time and other places in which quiet is a basis for use.” The descriptor Ldn is a mathematically derived quantity based on 24 hourly average (Leq) levels with a 10 dB factor applied to nighttime levels to account for the greater sensitivity to noise at night. In much simpler terms, an Ldn of 55 dBA essentially translates to 55 dBA during the day and 45 dBA at night.

In this instance, the TM2500 units are principally intended to operate and supply peaking power in the afternoon when a 55 dBA design goal would be generally appropriate. Our understanding is that any nighttime operation, when it would be desirable to keep the sound level at or below 45 dBA, will be unlikely or rare at best. Consequently, so long as operations are commonly confined

¹ U.S. Environmental Protection Agency, Office of Noise Abatement and Control, "Information on Levels of Environmental Noise Requisite to Protect Public Health and Welfare with an Adequate Margin of Safety," EPA/ONAC 550/9-74-004, March, 1974.

to the daytime hours (normally defined as 7 a.m. to 10 p.m.) the A-weighted sound levels at the nearest potentially sensitive receptors, which are generally in the 45 to 52 dBA range, satisfy the EPA guidelines.

A-weighting makes an adjustment to the actual frequency spectrum of a sound, mainly in the lower frequencies, to match the sensitivity of the human ear in order to make the numerical sound level generally consistent with how it is subjectively perceived. C-weighting, on the other hand, applies only a very small adjustment to the lower frequencies making it sensitive to those frequencies and, consequently, it has become a standard metric for low frequency noise – particularly with reference to simple cycle combustion turbines, which can generate sufficient low frequency sound to cause rattles and perceptible vibrations in distant structures. ANSI B133.8-2011 (R2017) *Gas Turbine Installation Sound Emissions* recommends limiting the low frequency content from combustion turbine plants to no more than 75 to 80 dBC to avoid such issues. Many years of field experience with gas turbine noise² suggests that lower C-weighted levels are more advisable depending on the setting and other circumstances. In this case, for a fairly densely populated suburban area where the turbines are normally going to operate only during the day, a design goal of 70 dBC is recommended. As can be seen from Plot 1 and the design point results tabulated above, a C-weighted sound level, generally in the 60's dBC, is anticipated at all potentially sensitive receptors.

4.0 Conclusions

The expected sound emissions from the proposed installation of two GE TM2500 mobile gas turbine generators at the existing Roseville Energy Park site have been modeled based on acoustical data received from General Electric. The anticipated sound levels at the nearest potentially sensitive receptors are tabulated below.

Table 4.0.1
Predicted Sound Levels at Potentially Sensitive Receptors

Design Point	Location	Facility Sound Level, dBA	Facility Sound Level, dBC
1	Nearest Residence to the NNE	52	69
2	Future Residential to the ENE	45	63
3	Apartment Complex to the E	48	65
4	Existing Residential to the SW	46	64

Since the units will most likely operate in peaking service during the day, the predicted levels satisfy the design goals of 55 dBA for audible sound, based on EPA guidelines, and a

² Summarized in the peer reviewed article: Hessler, G. F, “Proposed criteria in residential communities for low-frequency noise emissions from industrial sources”, *Noise Control Engineering Journal* 52 (4), 2004 Jul–Aug.

recommended low frequency limit of 70 dBC, based on many years of experience with simple cycle gas turbines.

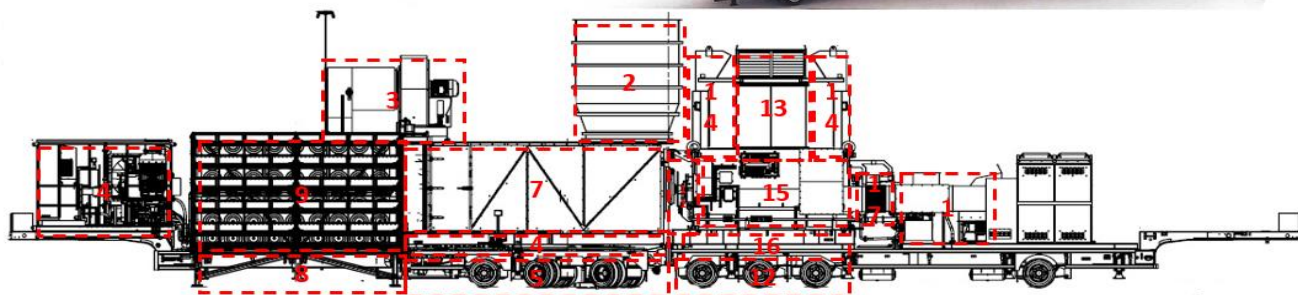


Project: Roseville Energy Park		Description: Plot 1 Predicted Sound Contours (dBA) of Mobile Energy Expansion in Operation	Legend:  Design Point
Prepared for: Kiewit			
Date: August 25, 2021	Drawing #: KR-Rev-A-1-1		

GE ENERGY
AERO
16415 Jacintoport Blvd.
Houston, TX 77015
Engineer: Quoc nguyen

CUSTOMER	Chuck Houseknecht
PROJECT	Calpine Green Leaf 1 / City of Roseville / Midway Starwood
PURPOSE	Provide noise map SPL and PWL to sale/application
DATE	19-Aug-21
Assumption: TM2500 Gen 8 Growth 60hz gas fuel 90 dbA NF guarantee	

Label	Name	Sound Power Level PWL Day (dB(A))									A	lin
		31.5	63	125	250	500	1000	2000	4000	8000		
	TM2500	84.6	97.1	105.4	105.4	105.7	104.2	104.8	100	89.3	112.6	128.1
1	GLO	70	81.7	102.5	101	96.2	92.3	93	89.5	82.6	105.9	119.9
2	TURBINE EXHAUST	78.8	90.4	95.9	99.2	94.4	91.5	92.3	89.8	78.5	103.1	121.3
3	FAN	65.9	80.1	83.9	86.1	89.8	88.9	85.5	78.9	67.5	94.6	109.6
4	AUX	49.7	65	76.3	83.6	79	77.2	77.7	72.9	64.2	86.9	97.6
4.5.7	TURBINE	76.3	92.5	98.4	99.2	95.6	95.2	93.9	94.5	82.2	104.7	121.7
4	TURBINE CHASSIS	66	85.3	92.4	91.3	89.8	90.2	88.5	92.8	80.5	99.1	114.2
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8,9	AIR_FILTER	72.3	85.7	93.1	91.4	100.5	99.9	102.7	94.3	83	106.7	116.5
8	AIR FILTER CHASSIS	63.5	74.1	81.5	83.2	100.3	99.8	102.6	93.8	79.9	106.1	109.3
9	AIR FILTER INLET FACES	68.6	82.5	89.2	84.6	84.4	82.6	85.7	83.9	79.9	94	112.4
	AIR FILTER HOUSE	68.7	82.4	90.3	89.5	85.3	82.4	84.9	79	66.4	94.8	112.7
11	GEN_TB_COUPLING	67.4	81.2	87.2	89	93.5	91.7	90.5	87.4	79	98.4	111.4
	GEN	81.3	91.7	95.7	94.3	100.9	99	96.2	93.1	81.8	105.4	123
16	GEN CHASSIS	68	81.9	89.7	86	88.2	86.8	82.7	78.7	68.7	94.6	112.1
13	GENERATOR VENT OUTLET	72.1	86	85.3	82.5	83.8	82.6	82.8	79.3	69.7	92.2	115.1
14	GENERATOR VENT INLET	79.5	84.9	90.4	89.8	90.4	87.7	89.6	87.3	76.7	97.5	119.8
15	GENERATOR CASING	73.4	87.1	89.9	89.8	99.6	97.8	94	90.8	78.8	103.3	116.8
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17	Generator Exciter	53.8	62.3	71.6	73.6	86.7	85.9	82.8	79.4	69.1	90.7	97.1



Contractor's Safety Plan



Kiewit



Roseville Energy Park – Roseville, CA California Emergency Power Project Site Specific Safety Plan/IIPP

August 12, 2021



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Kiewit

1.0 NOBODY GETS HURT

We are committed to the safety of our employees, those involved with our projects, our clients and the public. Our #1 goal is nobody gets hurt and most importantly zero fatalities. It's everyone's responsibility to promote a safety-first mentality and culture.

This Project Site Specific Safety Plan (SSSP) is an integral component of Kiewit's overall Safety Management Playbook. This guide provides an outline of the minimum standards that must be included in your project's SSSP, but the following should always be kept in mind when building your safety plan:

- Project leaders play a big role in our safety culture which must be embedded throughout the job team. As project leaders you will build a safety first culture by setting expectations, building structure, teaching others and most importantly leading by example.
- Each employee — regardless of job or location — has the responsibility to speak up when they see
- anything that causes a safety concern.
- When it comes to protecting our employees, collaboration between our craft and staff is expected and necessary to prevent safety incidents.
- And finally, having the right structure, tools and processes in place as identified in this SSSP is the first step to set your project up for safety success.
- Specific Management Responsibilities
 - The Project Manager (PM) is responsible for ensuring that all contractual requirements, legislative requirements, and Company policy regarding safety performance and documentation for the project are met. The PM is also responsible for the implementation of the safety program on the project. The Project Manager shall ensure construction managers, superintendents, engineers, and foremen understand and enforce safe work practices and attend safety training as required.
 - The Project Safety Manager (PSM) shall manage the safety program. The Project Safety Manager shall be responsible for providing or coordinating safety orientation training, job specific training, safety meetings, first aid facilities and materials, safety reports, incident investigation, case management, safety recognition programs, and conducting routine safety inspections.
 - The Superintendents are responsible for ensuring that all operations perform the work in accordance with the Energy Group Safety Policy, contract requirements, and applicable legislative requirements.



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- The Superintendent has the primary responsibility of safety supervision and enforcing safety policies and applicable training with their respective employees.

2.0 ORIENTATION

The safety orientation is an excellent way to get new hires and people that are new to the jobsite on board, shape their safety attitudes, and bring them up to speed on our policies and programs. It's the first official opportunity to educate them on our expectations and the importance of safety.

2.1 ORIENTATION BASICS

1. Orientation attendees must include **ALL** employees new to the project, including all subcontractors.
 - a. New Hire Orientation attendees are tracked by the Safety Department and a record of date of Orientation will be kept in the Safety Portion under working files of the Project SharePoint site.
2. Project management expectations are delivered at the orientation by the Project Manager/Construction Manager.
3. Front line supervisors (foreman and superintendents) are encouraged to lead and deliver orientation material working with other key project personnel, such as the project safety manager.
4. The orientation schedule is posted and available to everyone on the project.
5. Orientation leads are expected to be knowledgeable, well-prepared and deliver an engaging training.
6. Orientation location is at the Kiewit Northern California Sacramento office and will be scheduled to support the hiring process.

2.2 CONTENT

1. Ensure your project's orientation plan includes the key elements as listed in this SSSP as well as specific risks and knowledge for your project, including but not limited to:
 - a. A practical knowledge and skills assessment delivered by the Project Safety Manager.
 - b. JHA Training.
 - c. Hands-on tool training plan delivered by the craft Superintendent.



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2.3 POST-ORIENTATION ACTIVITIES

1. Newly hired employees will be visually identifiable in the field from other craft by a Green magnet worn on the front brim of the hardhat.
2. A new hire follow-up plan is in place and those responsible follow-up with new hires and follow the plan using the 14-Day Follow-up Program.

**2.0 Orientation is Part of IIPP Communication Program*

**2.0 Orientation is Part of IIPP Compliance Program*

3.0 TRAINING

The importance of training extends beyond our employee's introduction to the job.

1. A comprehensive project training plan has been developed, in place and adequate to cover all project training needs and will be regularly updated, maintained, and rolled out by the Project Safety Manager, Jimmy Stormo.
2. The project training plan is accessible and can be found at the Project SharePoint site.
3. Project training will be scheduled by The Project Safety Manager/Craft Superintendent in advance to ensure the necessary trainers, material and equipment are available.
4. The project training plan adjusts to trends in incidents, [project safety assessments](#) and optional observation programs.
5. Project training will be conducted at a location that is appropriate to facilitate learning and retention.
6. Hands-on training will be conducted on a regular basis with engagement from our craft as well as regular review of incidents.
7. Project training will be tracked by the Safety Department and kept in the Safety Department working files on the Project SharePoint sit, updated, and maintained to easily identify any gaps.
8. Training topics may include:
 - Lock-out/tag-out procedures.
 - Safe practices for operating heavy equipment.
 - Good housekeeping.
 - Fire Prevention and Fire Extinguisher operation.
 - Safe procedures for cleaning, repairing, servicing, and adjusting equipment and machinery.
 - Safe access to working areas.
 - Protection from falls.



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- Electrical hazards, including working around high voltage lines and systems.
- Proper use of powered tools.
- Guarding of belts and pulleys, gears and sprockets, and machine parts.
- Materials handling.
- Use of elevated platforms, including scissor lifts.
- Slips, falls, and back injuries.
- Valley Fever
- Naturally Occurring Asbestos
- Ergonomic hazards, including proper lifting techniques and working on ladders or in a stooped posture for prolonged periods at one time.
- Personal protective equipment.

4.0 PRE-SHIFT MEETINGS

Every operation will start their shift with a pre-shift meeting.

1. Pre-shift meeting content will focus on that day's operation(s).
2. A clear expectation is set that that supervision and craft engage in all pre-shift meetings.
3. At a minimum, each pre-shift meeting will include:
 - a. A completed Job Hazard Analysis (LSA) as outlined in section 5 of this SSSP
 - b. Demonstrations on relevant topics as appropriate
 - c. Stretch and flex

**Part of IIPP Communication Program*

5.0 JOB HAZARD ANALYSIS

Each operation will have a relevant / documented job hazard analysis (JHA) that is discussed and completed with the entire crew at the beginning of every shift/new operation.

Each crew will complete the following:

1. The JHA standard template – including identification of applicable [LSA categories & safeguards](#).
2. JHAs will be completed with the following:
 - a. Hazard/risk mitigations must be provided that are detailed and not generic



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- b. JHA will be updated when new hazards have been identified
- c. Craft will be actively engaged in the JHA process and add content
- d. Supervision will ensure everyone understands the JHA
- e. The hazard will be signed off by all involved in the operation to include supervision and any additional workers/staff/visitors that are in the area of the work to include equipment operators.

**5.0 Part of IIPP Communication Program*

**5.0 Part of IIPP Hazard Correction Program*

6.0 LIFE SAVING ACTIONS

The Life-Saving Actions (LSA) program allows the project team to be proactive about eliminating significant injuries and fatalities. An effective LSA program ensures job sites identify the potential outcome of all incidents or events, then develop meaningful plans to eliminate those events with potentially high-severity outcomes.

The company's LSA guidelines, LSA toolkits and safeguards can be found on the [Corporate Safety SharePoint page](#).

1. It is the responsibility of the Project Manager, Roger Real, to fully implement the [corporate LSA Guidelines](#).
2. All project staff and craft must know their [LSA categories and safeguards](#) for their current work.
3. The project will utilize LSA rodeos, demonstrations, and field training to be added to the training matrix.
 - a. LSA training will be conducted during Orientation and when new LCCs are added or identified as needing additional emphasis. The Project Management Team will use observations and assessments to track and identify trends.
 - b. Craft must regularly be involved in LSA rodeos, demos, and training.
4. LSAs must be reviewed and discussed as part of each operation.
5. LSAs and their associated safeguards must be identified daily along with the ways to mitigate the risk. This will be accomplished using the LSA form and filled out as part of the pre-shift meeting.
6. LSAs will be integrated into other components of your project's safety tools such as JHAs, PODs, work plans, schedule boards and toolbox talks. Identification of LCCs will be accomplished as part of the review of the Project schedule and known risks of each operation. Currently the LCCs identified for this Project are:



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- Lifting and Rigging
- Cranes
- Energy isolation
- Utilities
- Working at Heights
- Human Equipment Interface

**6.0 Part of IIPP Hazard Correction Program*

7.0 FIELD COMPLIANCE

The project will implement the following methods to ensure unsafe behaviors are identified, addressed and communicated:

1. To ensure compliance on the Project a process, such as but not limited to, project safety walks for the foreman meetings and regularly scheduled project manager/construction manager walks will be conducted.
2. The project will ensure all operations have a work plan and that they are modified if change has taken place.
3. The project will have a plan for exceptional housekeeping and access.
4. The project will use the proper tools with safety features installed as identified within the KPC KEG Manual.
5. Employees will be trained by the Project Safety Manager, Craft Superintendent, and Foreman on the importance of ergonomic and body positioning risks. This will be accomplished by using hands-on training as well as toolbox talks and other training materials.
6. The project will procure and install the appropriate signage for the project.
 - a. Examples include: Signage promoting the overall project safety program, access / designated walk areas / traffic, LSAs, why I work safe, proper PPE, barricade (red rope) / exclusion zones, emergency / muster station / evacuation, hydration, scaffold, LOTO etc.

**7.0 Orientation is Part of IIPP Compliance Program*

8.0 SAFETY WALKS / TOURS



1. The project will conduct focused LSA inspections and enter them in [InEight Compliance](#). Every tour, weekly safety walk or otherwise should have LSA's as a focus in addition to any other findings. The Project will identify the Focus areas as part of the Safety Walk/Tour schedule.
2. A mix of supervision, craft and subcontractors must participate in walks. The Project will publish a list of those Supervisors/staff that are assigned to the walk. Supervision/staff will identify the craft that will participate in each walk.
3. Findings from walks will be communicated to the field using the POD as well as Foremen Meetings and Pre-shift meetings.
4. Findings and actions from the safety walk will be documented and tracked. The [InEight Compliance](#) tool will be used for this action.
5. The project will develop a plan to ensure safety deficiencies are corrected in a timely manner.
6. Weekly inspections will be based on trends from observations program, LSA assessments and [incidents](#).

**8.0 Part of IIPP Hazard Correction Program*

9.0 FOREMAN'S MEETING

Foreman's meetings must be a regular and integral part of the safety program.

1. The foreman's meeting will be held at every week.
2. All foreman [including subs] are expected to attend, are consistently present at the meeting and attendance is tracked by the Construction Manager using sign-in sheets kept by the Safety Department.
3. The foreman meetings will be conducted in a format and at a location that facilitates engagement.
4. Action items will be assigned for follow-up during the meeting.
5. The content for the foreman meeting will be made up of relevant safety topics i.e.
 - a. Reviewing LSA deficiencies from the previous week.
 - b. Review: Recent safety incident alert, past incidents / lessons learned related to upcoming work, positives, best practices, accountability / responsibilities, safety tour findings, client comments, craft conversation / observations
6. Safety program performance and updates from the foreman's meeting will be communicated to the job by use of POD and Pre-Shift meetings at a minimum of weekly.

**Part of IIPP Communication Program*



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10.0 COMPLIANCE

1. The project will follow the [corporate fall protection guidelines](#).
2. The project will identify competent persons where required and they are appropriately trained.
 - a. A list of these competent persons will be maintained by the Project Safety Manager and posted in the conference room.
 - i. An OSHA "competent person" is defined as "one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them" [29 CFR 1926.32(f)]. Confined Space, Fall Protection, Scaffolding, Trenching
3. The project will identify "qualified persons" where required and they meet the appropriate requirements.
 - a. A list of these qualified persons will be maintained by the Project Safety Manager and posted in the conference room.
 - i. "Qualified" means one who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his ability to solve or resolve problems relating to the subject matter, the work, or the project. 1926.32(m) Designated Operator, Signalman, Spotter, Rigger
4. The project will follow the temporary structures and construction (TSCD) devices manual as listed on [Kiewit's TSCD portal](#).
5. The project will follow the corporate crane policy manual as listed on [Kiewit's Crane Services portal](#).
6. The project will follow the [Corporate Rigging Manual](#).

11.0 RECOGNITION / MORALE PROGRAM

The project will develop and execute a recognition program for exemplary safety performance.

1. The following are minimums that need to be addressed in the program.
 - a. The job team will be able to understand and can explain the program
 - b. Craft will be able to understand how they are being measured
 - c. Craft will be involved in developing and providing feedback on the program and rewards
 - d. Subcontractors should participate in the program



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2. Details of the recognition program are available on the Project SharePoint site and will be based on Project milestones..

**12.0 Orientation is Part of IIPP Compliance Program*

12.0 LEADERSHIP / CULTURE

Our project management teams are expected to lead by example. It's imperative they are engaged, visible, committed to safety, paying close attention to LSA categories and setting a positive safety tone.

1. At least weekly, the project manager, construction manager and operations manager will conduct a field tour verifying their safety expectations are being met and inputting their finding in InEight Compliance.
2. There is good communication from project management, through the field supervision to the craft.
3. Craft feel that safety is the core value and will be addressed ahead of production.
4. Internal / external JV partners function as a team.
5. There is a healthy incident reporting culture on the project.
6. There is a culture of fact finding versus fault finding.

13.0 OBSERVATION PROGRAM

1. Observations will be performed weekly by staff using the InEight Compliance application.
2. Observations will involve interventions, LSA leading indicators and comments.
3. The goal or frequency on staff observations to be completed weekly is 2 per week.
4. Observation data will be used to identify leading and lagging indicators to help highlight focus areas of concern to mitigate.
5. Observation quality will be measured by the safety staff and tracked in InEight Compliance.
6. The project will compare observational trends to lagging / leading indicators i.e., incident rates, LSA assessments, weekly during Foremen meetings and discussed during mass safety meetings.

**15.0 Part of IIPP Hazard Correction Program*

14.0 HOUSEKEEPING AND ACCESS

1. The project will use blue cones and rope to delineate designated walkways on the project.
2. Civil Superintendent is/are responsible for maintaining designated walkways on the project.



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3. The project will ensure that a good working surface is in place on your project.
4. The project will have:
 - a. Designated trash/waste receptacles will be located throughout the work site.
 - b. Flammable material and liquids will be properly stored in flammable lockers.
 - c. Receptacles for scrap, metal, wood, cable, hazardous waste, solid waste, etc. will be located throughout the jobsite. These will be maintained by the Civil Department every day.
5. The project will conduct a cord and tool roll up inspection every day or before each use as required.
6. Rigging, hardware and equipment will be stored on pallets adjacent to the crane/work being performed.
7. The following people will be responsible for maintaining extreme housekeeping in the following areas:
 - a. The Project Construction Manager will be responsible for ensuring the Project Housekeeping meets expectations.
8. Dedicated smoking areas and receptacles for cigarette butts will be provided at least 50' from any occupied structure and away from areas containing flammable materials.
9. The project will hold our subcontractors accountable to our housekeeping standards.

15.0 STOP WORK RESPONSIBILITY

1. The project will use the Orientation process initially to train all employees and subcontractors on stop work responsibility and again review at the 30-day Follow-Up review.
2. Expectations:
 - a. All employees and subcontractors have Listen Up / Speak Up authority.
 - b. Management will promote Stop Work Responsibility culture with employees and subcontractors by i.e.: Indoc, toolbox meeting (Give Me 5), mass meetings, the orientation slide deck and the Listen Up, Speak Up program.
 - c. Construction Manager/Project Safety Manager is responsible for providing the training for Stop Work Responsibility.
 - d. Indoctrination, toolbox meeting (Give Me 5), mass meetings, the orientation slide deck and the Listen Up, Speak Up program will be used by the project team to implement stop work.
 - e. The process for stop work responsibility will be measured and communicated by Project Construction/Safety manager during the orientation process.

16.0 PROJECT SAFETY ASSESSMENT

The Project Safety Assessment (PSA) tool / process allows projects and districts to assess how they are doing against what we believe are best



practices to set them up for success and achieve our goal of nobody gets hurt.

1. The PSA will be used during the startup phase of work as a startup checklist to verify adequate program compliance. The Project Manager is responsible for ensuring this happens.
2. The project will complete a limited self-assessment PSA during the second week of the schedule looking at critical elements of the PSA..
3. The project team will work with the district safety manager to decide who will complete the PSA and allow those persons adequate time to prepare for the PSA.
4. The PSA form allows projects to input and track any immediate corrective or action items. District and project safety managers will work with the project on PSA reviews and areas for improvement.
5. The PSA form lives in the InEight Compliance system and can be accessed from the InEight mobile app on your mobile device.
6. Instructions to setup up the InEight Compliance mobile app on your device [can be found here](#).
7. For more details on using the PSA in InEight Compliance, [reference the February 2021 issue of the Safety Post](#).

17.0 ADDITIONAL RESOURCES

For questions about this document or the additional resources listed below, contact your [district safety manager](#) or [regional operations safety director](#).

1. Every project should have a comprehensive crisis communication plan. The company's crisis management library and crisis plan template can be found [here](#).
2. Procedures for investigation workplace incidents to include Injuries, Property/equipment Damage, and Near Misses as well as hazardous substances exposure are identified in the KEG Incident Investigation Procedure [Incident Investigation Procedures](#) All incident will be entered into InEight Compliance.
3. Recordkeeping will be accomplished in the following manner:
 1. Records of health and safety inspections, including the person(s) conducting the inspection, the unsafe conditions and work practices that have been identified and the action taken to correct the identified unsafe conditions and work practices, are recorded, and tracked through completion via the plants computerized maintenance management system.



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2. Documentation of safety and health training for each employee, including the team members name or other identifier, training dates, type(s) of training, and training providers are recorded in the plants training records.
3. Inspection records and training documentation will be maintained according to the Following checked schedule: For three years or as required by applicable regulations, except for training records of team members who have worked for less than one year which are provided to the team member upon termination of employment.
4. The following links are to the Corporate Safety SharePoint site:
 - a. [Claim reporting](#)
 - b. [COVID-19 resources](#)
 - c. Mental health resources
 - d. [Safety recalls](#)
 - e. [SDS for Kiewit](#)
 - f. [Toolbox talk/Give me 5 toolbox libraries](#)

Kiewit COVID-19 Procedures

In response to the current COVID-19 Coronavirus pandemic, the California Emergency Power team will implement the following processes and procedures to ensure the health and safety of our employees, clients, vendors, suppliers, subcontractors, fellow contractors, and the neighboring communities.

The California Emergency Power team will follow corporate, local, state, and federal guidelines and continuously update all COVID19 planning and mitigations. Corporate policy summaries are included here-in; however, some site-specific mitigations and planning has been added to ensure operations on the site may continue in as normal a manner as possible.

Training / Education

This policy will be reviewed with all staff and craft during initial orientation with updates as they become available.

- Posters and signage will be utilized as reminders and placed in common areas.
- The COVID-19 Coordinator (HR Manager) will be responsible for their upkeep.
- This plan is very fluid as this situation develops and is subject to change.
- Changes will be communicated to all staff and craft during meetings to include, CVIS, Foreman's and Mass meetings.
- Vendors and Visitors
- Visitors exhibiting symptoms or who identify themselves as currently testing positive will not be admitted to the site.

Social Distancing

Offices

- Workers will operate at 6 feet or more and will wear face coverings whenever indoors.

Limit and Contact with Visitors

- Conference rooms and offices will be setup for social distancing guidelines wherever possible.

Field Operations

- Workers will operate at 6 feet or more and are encouraged to wear face coverings. All standard PPE for the designated operation will remain.
- If workers must be in close proximity (as defined by the Kiewit COVID-19 Task Force of less than 6 feet for a duration of 10 minutes) they will be required to wear a face covering for the duration of their interaction.
- All standard PPE for the designated operation will remain.

Operational Execution and Planning

- Supervisors will ensure that crews avoid rotating between other crews as much as is operationally feasible

Meetings

- Individuals will stay separated and distanced during any breaks or meetings.
- Indoor meetings will be limited to the number that can safely be separated by 6 feet while seated. If that spacing cannot be achieved a larger space, or a limit of attendees will be required. Each meeting room will be identified, and the number of allowed attendees strictly enforced.
- Safety meetings (Stretch and Flex, Foreman's, CVIS, Mass) or group meetings will be organized with the oversight and approval of project management.
- The Superintendent -in-Charge will track and record any co-mingling of close proximity work between crews.
- Supervisors will utilize planning and schedule tools to identify choke points on the project to mitigate.
- Audits to be performed by Safety, CVIS, and management teams during site tours to ensure COVID-19 protocols are being followed and identify any areas that need additional training and attention.

Hygiene

General

- No sharing writing utensils or office supplies
- Hands will be washed often and/or use alcohol-based hand sanitizer.
- Handwash stations will be provided to crews at each location (War Wagons) and adjacent to toilet facilities.
- Washing clothes daily is encouraged

Cleaning Office / Workspace (see attached guidelines)

- "High-contact" surfaces will be cleaned multiple times weekly, followed by a disinfectant. Examples of high-contact surfaces include, but are not limited to: Door pulls and push pads; Coffee machines and water fountains; Shared radios and phones; Handrails; Toilet handles; Porta-johns; Refrigerator handles; Conference or meeting room surfaces (e.g., tabletops, chairs, PC cables, magic markers) and phones; Copy and fax machines.

Shared Food or Beverages.

- No open/buffet style catered meals will be allowed.
- Individual water bottles shall be used.

Construction Equipment / Vehicles / Tools

- Limit operators in equipment. No sharing equipment if possible.
- Equipment Cabs and Vehicle are to be wiped down after each use - all contact surfaces
- No sharing hand tools if possible (hand tools, radios, iPads, computer workstations, etc.)
If shared – tools must be wiped down with approved cleaning products after each use, between employees

Personal Protective Equipment (PPE)

Harnesses, gloves can be cleaned daily with approved cleaning products

In the Event of a Positive Test

Cleaning

- In the event that an employee tests positive a deep cleaning of the office complex will commence.
- The project management team will determine which areas/facilities within the project site require the deep cleaning with recommendations from the COVID-19 Coordinator.

Isolation Protocol

- Any employee that has symptoms or has a temperature will begin a 14-day isolation and notify their supervisor.
- Any employee that has come into contact with anyone that has reason to believe they have COVID-19 or has tested positive needs to stay home and contact their supervisor to determine next steps.

Virtual Doctor Visit/Tele-Doc (Ask-HR)

- Should an employee come in during a work shift feeling any potential symptoms, we will utilize a “tele-doc” for an initial assessment.

Tracking and Reporting

- Project management will follow the communication ladder to alert all parties and coordinate with the COVID19 task force to determine next steps.
- Tracking logs will be maintained by the site COVID-19 Coordinator (See attached)
- Management must use discretion and protect personal information. All correspondence will be treated as private.

SOCIAL DISTANCING AND HYGIENE PROTOCOLS

MINIMUM REQUIREMENTS FOR ALL LOCATIONS

Revised June 26, 2020

It is imperative that our workers are following company guidance to manage the impact of COVID-19. Common sense — in tandem with fundamental social distancing and hygiene practices — remains the best defense to protect health and safety, and prevent the spread of the virus. We must integrate social distancing into our work plans and schedules, making sure we do whatever we can to “plan our way out” of employees working closely together.

IMPORTANT NOTE: Please ensure you are complying with the laws, regulations and guidance issued by local, state or provincial authorities if they are more stringent than the guidance provided in this document. Otherwise, this guidance should be followed companywide.

SOCIAL DISTANCING: WORKING IN CLOSE PROXIMITY ON WORKSITES

If workers **MUST** work in close proximity of each other — within six feet/two meters of one another for more than 10 minutes — extra precautions are necessary. Include social distancing in project scheduling and planning. To mitigate possible exposure to COVID-19, follow this guidance.

OFFICE SCENARIOS		MITIGATION	
	Workers operating at an appropriate social distance (separation of six feet/two meters) OR less than six feet/two meters for less than 10 minutes.	People are <i>encouraged</i> (not required) to wear a 2-layer cloth face covering* over their mouth and nose. Workers may use their own face coverings or will be provided one upon request.	
	Workers operating in close proximity (within six feet/two meters of each other for 10 minutes or more).	Workers <i>must</i> wear 2-layer cloth face covering* or a 3-ply, ear-loop surgical mask over their mouth and nose. Workers may use their own face coverings or will be provided one upon request.	
PROJECT/FIELD SCENARIOS		MITIGATION	
	Workers operating at an appropriate social distance (separation of six feet/two meters) OR less than six feet/two meters for less than 10 minutes.	People are <i>encouraged</i> (not required) to wear a 2-layer cloth face covering* over their mouth and nose, or a face shield. Workers may use their own face coverings or will be provided one upon request. All other PPE is required as designated at your operation.	
	Workers operating in close proximity (within six feet/two meters of each other for 10 minutes or more).	 a 2-layer cloth face covering* OR  a 3-ply, ear-loop surgical mask over their mouth and nose + AND All other PPE as designated at your operation	

N95 respirator masks are only necessary for specialized work as designated in your operations, not for COVID-19 prevention.

*A 2-layer face covering means the covering must have at least two layers of tightly woven material fabric (such as cotton or linen)

To mitigate possible exposure to COVID-19, also follow this close-proximity guidance.

Limit and isolate workers involved: Use the minimum size crew necessary to safely do the work, avoid rotating workers in or out of the crew, and keep that crew separated from other crews during transportation, operations, on breaks and during meetings.

Implement more stringent tracking protocols for those working in close proximity: Track those who worked on crews doing close-proximity work, by name/date/time/place, so in the event of an exposure, the project team can quickly determine who else might be at risk.

Use engineering controls: Take a close look at temporary barriers, fans, filters or other equipment that could be used to reduce the risk. Implement those measures where possible.

Audit social distancing and close-proximity work: Ensure that social distancing and the measures listed above for close proximity work are being followed on the worksite. The COVID-19 site coordinator, CVIS or safety management on site, should properly audit and call out if these important actions are not being followed. Document these efforts using the [COVID-19 site inspection form](#).

SOCIAL DISTANCING ON WORKSITES

Employees **MUST** comply with these other company social distancing requirements.

Reduce the size of work crews: Wherever possible, projects should try to reduce the number of people in each work crew to the minimum number of people possible to perform the task safely.

Minimize interaction among work teams: Groups within the same project should avoid interacting across teams as much as possible. Approaches to avoiding contact between groups may include staggered shifts and maximizing geographic distance between different teams working on the same project. Make every effort to divide your project into areas with specific, consistent teams to ensure they have limited contact with each other.

Limit and avoid contact with visitors: Limit visitors at the work site to only those that are essential to effectively run the project. Implement measures to prevent those that aren't essential from entering the work site. Visitors must comply with company COVID-19 protocols.



Company offices* are expected to only allow essential visitors that must be in the building. Please see the company's [access protocols](#) regarding guidelines for employees and visitors.

Perform office work remotely: Office/back office functions associated with a project should be done from home to the extent possible.



Non-essential workers in company office locations are strongly recommended to work from home.

Limit in-person meetings: If an in-person meeting is necessary, limit participants so that they can maintain a six-foot/two-meters distance during the meeting. Surfaces should be wiped down before and after the meeting.



Any office workers performing essential work in an office location should follow these same guidelines for any meetings.

Prohibit gatherings during meals or breaks: Workers should stay with their teams and should not congregate for lunch or other breaks; stay at least six feet/two meters from each other. If possible, stagger breaks.



Office workers should also refrain from congregating for any meals, breaks or other related events.

Activity-specific work plans: Review all job activities and how they can be accomplished using necessary social distancing and hygiene protocols. If "choke points" exist on the project, identify ways to resolve them. Limit access to confined spaces as much as possible.

**Company offices include district and area offices, and corporate and regional headquarters.*

HYGIENE PROTOCOLS ON WORKSITES

Another crucial step in preventing the spread of COVID-19 is healthy, smart hygiene habits.

Keep sick employees home: If an employee is experiencing possible COVID-19 symptoms, such as fever of 100.4° F/38° C, cough, shortness of breath, or a sudden loss of the sense of taste or smell, make sure he/she notifies his/her foreman or supervisor immediately, and STAY HOME.



Office employees should follow the same guidance for staying home when sick and reporting it to their managers.

Wash or sanitize hands regularly: Workers should wash their hands regularly with soap and water for at least 20 seconds, or use hand sanitizer when soap and water are not immediately available. This includes:

- Before workers begin work
- Before and after any meal or restroom breaks
- Before and after the use of shared items such as tools or multi-user devices
- After a worker's shift is over

Note: workers should use hand sanitizer with a minimum of 65% alcohol.



Office employees should follow similar stringent, regular hand-washing guidance through the day.

Make sanitary and washing materials widely available: Workers in the field should have access to hand sanitizer and wipes, handwashing stations and soap. Make sure porta-johns and other facilities are properly cleaned and stocked with handwashing/hand-sanitizer materials.

Protect and respect others: Remind workers to cough or sneeze into their elbows or a tissue. Dispose of the tissue immediately into a waste bin. Handshakes and high fives can spread germs; use other ways to greet each other that do not involve physical contact.

Use company protocols for light- and heavy-duty equipment, tools, buses, vehicles/trucks and other shared objects or materials: Use company protocols to ensure workers are practicing good hygiene and social distancing when using equipment, cleaning tools, using buses or shuttles for employee transport, or driving/riding in trucks or other vehicles.

Follow drinking-water hygiene protocols: Ensure workers are not sharing water bottles. **DO NOT USE A COMMON WATER COOLER;** provide individual water bottles or instruct workers to bring their own.

Clean "high touch" surfaces before and after every operation:

"High touch" surfaces include door handles and grab bars, instrument panels, steering wheels and control sticks, and devices such as radios and cell phones. Use our [office](#) and [field](#) hygiene/cleaning protocols for guidance. Cleaning does not kill germs or viruses, but by removing them it lessens the risk of spreading them.

Disinfecting surfaces: In addition to basic cleaning, you should consider regularly disinfecting "high touch" surfaces with [EPA-approved](#) disinfecting products. If you know or suspect somebody at your site has actually become ill or tested positive for COVID-19, however, you should follow the [positive case checklist](#), keep other people away from possibly impacted areas for 24 hours, and implement the [viral contamination cleanup](#) protocol.

PROPER USE AND CARE OF FACE COVERINGS ON WORKSITES

Revised June 30, 2020

We can greatly minimize the spread of COVID-19 by observing good personal hygiene and, very importantly, following the company's social distancing protocol, which is to have employees working no closer than six feet/two meters on worksites. It is imperative we integrate social distancing into our work plans and schedules wherever possible.

However, if workers **MUST** work in close proximity of each other — within six feet/two meters of one another for more than 10 minutes — to ensure safe operations, extra precautions are necessary, including the use of face coverings.

The focus of this standard operating procedure is to provide clarity on when to wear specific facial coverings while on the job, and how to use and care for those facial coverings properly. Medical experts and the CDC recommend the use of face coverings to further support health and safety on worksites. Anything covering the face helps stop the spread of COVID-19 by not allowing someone to touch their own face and also helps keep sneezes, coughs and general speech contained inside the face covering.

IMPORTANT NOTE: Please ensure you are complying with the laws, regulations and guidance issued by local, state or provincial authorities if they are more stringent than the guidance provided in this document. Otherwise, this guidance should be followed companywide.

USE PROPER PPE AT THE PROPER TIMES IN THE PROPER WAYS

These protocols **MUST** be followed for proper use of PPE to help prevent COVID-19 spread.

- **In all cases:** Workers should continue to use standard PPE required on the project, including safety glasses, safety vests, hard hats and gloves. NO PPE may be shared between members of a work team.
- **For specialized work only:** N95 respirator masks are only necessary for specialized work as designated in your operations. N95 respirator masks are NOT necessary for, and should NOT be used to prevent, COVID-19 spread.
- **For work in close proximity:** Workers operating in close proximity to each other (under six feet/two meters of social distance) for 10 minutes or more must wear a 2-layer cloth face covering or a company supplied 3-ply ear-loop surgical mask, along with required PPE.
- Workers can use their own cloth face coverings or will be provided one at their location on request.
- **For work NOT in close proximity:** Workers on project sites or in offices operating at more than six feet/two meters of social distance are encouraged (not required) to wear a 2-layer cloth face covering or a company supplied 3-ply ear-loop surgical mask, along with required PPE.
- Workers can use their own cloth face coverings or will be provided

Proof of Installation Contract

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES

STANDARD AGREEMENT

STD 213 (Rev. 04/2020)

AGREEMENT NUMBER

4600014215

PURCHASING AUTHORITY NUMBER (If Applicable)

1. This Agreement is entered into between the Contracting Agency and the Contractor named below:

CONTRACTING AGENCY NAME

Department of Water Resources

CONTRACTOR NAME

Kiewit Power Constructors Co.

2. The term of this Agreement is:

START DATE

August 3, 2021

THROUGH END DATE

August 2, 2023

3. The maximum amount of this Agreement is:

4. The parties agree to comply with the terms and conditions of the following exhibits, which are by this reference made a part of the Agreement.

Exhibits	Title	Pages
Exhibit A	Scope of Work	8
Att. 1	Sample Service Request	1
Att. 2	Sample Letter of Authorization	3
+ - Exhibit B	Budget Detail and Payment Provisions	2
+ - Att. 1	Rate Sheet	7
+ - Att. 2	Liquidated Damages Terms for Project Site	1
+ - Att. 3	DIR Registration Certification	1
+ - Att. 4	Equipment Rates	1
+ - Exhibit C	General Conditions	65
+ - Exhibit D	Additional Provisions (Rev. 1/21)	6
+ - Att. 1	Travel and Per Diem (DWR 9580, Rev 9/19)	2
+ - Att. 2	Std. 18, Standard California Nondiscrimination Construction Specifications (Rev. 01/95)	2
+ - Att. 3	Protection of Confidential and Sensitive Information (Rev. 2/16)	2
+ - Att. 4	Non-Disclosure Certificate (Rev. 2/15)	1
+ - Att. 5	DVBE Activity Report Form (DWR 9553, Rev 8/14)	2
+ - Att. 6	Small Business and DVBE Subcontractor Payment Certification (DWR 9683, Rev 1/21)	1

STATE OF CALIFORNIA - DEPARTMENT OF GENERAL SERVICES

STANDARD AGREEMENT

STD 213 (Rev. 04/2020)

		AGREEMENT NUMBER 4600014215	PURCHASING AUTHORITY NUMBER (If Applicable)
Exhibits	Title		Pages
+ - Att. 7	Site Owner Waiver and Release		1

Items shown with an asterisk (*), are hereby incorporated by reference and made part of this agreement as if attached hereto.

These documents can be viewed at <https://www.dgs.ca.gov/OLS/Resources>

IN WITNESS WHEREOF, THIS AGREEMENT HAS BEEN EXECUTED BY THE PARTIES HERETO.

CONTRACTOR

CONTRACTOR NAME (if other than an individual, state whether a corporation, partnership, etc.)

Kiewit Power Constructors Co.

CONTRACTOR BUSINESS ADDRESS 8900 Renner Boulevard	CITY Lenexa	STATE KS	ZIP 66219
PRINTED NAME OF PERSON SIGNING Chris Turnbull	TITLE President		
CONTRACTOR AUTHORIZED SIGNATURE <i>Chris Turnbull</i>	DATE SIGNED 8/17/2021		

STATE OF CALIFORNIA

CONTRACTING AGENCY NAME Department of Water Resources	Approved as to legal form and sufficiency: <i>David B. Carroll</i> for Asst. General Counsel, DWR		
CONTRACTING AGENCY ADDRESS 1416 Ninth Street, Room 1115	CITY Sacramento	STATE CA	ZIP 95814
PRINTED NAME OF PERSON SIGNING Ted Craddock	TITLE Deputy Director, State Water Project		
CONTRACTING AGENCY AUTHORIZED SIGNATURE <i>Ted Craddock</i>	DATE SIGNED 8/17/2021		
CALIFORNIA DEPARTMENT OF GENERAL SERVICES APPROVAL	EXEMPTION (If Applicable) Executive Order 7-30-21 DGS Approval Not Required		



Department of Energy
Western Area Power Administration
Sierra Nevada Region
114 Parkshore Drive
Folsom, CA 95630-4710

Sent via E-Mail

Letter of Agreement 21-SNR-02610

Mr. Dominick Casey
City Manager
City of Roseville
311 Vernon Street
Roseville, CA 95678

Dear Mr. Casey:

In response to Governor Gavin Newsom's Proclamation for the State of Emergency in July 2021, California Department of Water Resources (CDWR) approached City of Roseville (Roseville) regarding the possibility of siting and connecting two natural gas generators at the Roseville Electric Park (REP) facility to help meet California's energy requirements during Summer 2021. The generators are GE TM2500, which have a capacity of approximately 30 megawatts each, and are scheduled to be in service on September 17, 2021.

Roseville and Western Area Power Administration (WAPA) are parties to Interconnection Agreement 04-SNR-00850 (Agreement) which governs the interconnection of WAPA's Electric Power System and Roseville's Electric Power System.

WAPA is assisting Roseville's connection of the two CDWR generators to Roseville's Electric Power System. Therefore, Roseville and WAPA will be parties to this Letter of Agreement 21-SNR-02610 (LOA) which establishes the cost estimate for the work WAPA will provide for this connection project. Roseville and WAPA agree to the terms and conditions of this LOA as follows:

1. WAPA, at the expense of Roseville, shall:
 - 1.1 Conduct system protection engineering review, including short circuit analysis.
 - 1.2 Review and analyze impacts to existing WAPA contracts with Roseville and prepare agreements supporting this project.
 - 1.3 Conduct analysis on metering impacts and update metering system configurations as necessary.

- 1.4 Model new Roseville CT Units in Automatic Generation and Network Applications, add to various calculated values, and update operator screens.
 - 1.5 Conduct initial studies and project management for the delivery of emergency generation from REP to the California Independent System Operator during Energy Emergency Alerts.
2. WAPA's estimate for the activities outlined in Section 1 is twenty-eight thousand dollars (\$28,000). Roseville shall pay WAPA in advance for all costs incurred in performing the work activities specified in Section 1 of this LOA. Such costs will include WAPA's then-applicable overhead. Following execution of this LOA, WAPA will issue an invoice to Roseville for \$28,000. The invoice will specify the date by which such funds are to be paid.
3. WAPA will deposit advance payments into a noninterest-bearing trust account on behalf of Roseville. If WAPA determines the costs will exceed the estimate, WAPA will invoice Roseville for the amounts necessary to maintain an appropriate balance in the account. Roseville shall pay such amount within ten (10) days after receipt of the invoice. WAPA shall be under no obligation to perform any work without sufficient funds in the WAPA trust account. The total cost to be paid by Roseville under this LOA shall not exceed WAPA's actual costs. Any funds advanced by Roseville that exceed the total actual cost incurred by WAPA will be returned to Roseville, without any interest whatsoever, within sixty (60) days after completing the work activities WAPA has performed under this LOA.
4. In the event Roseville fails to advance funds to WAPA promptly, WAPA will suspend work under this LOA until Roseville advances the funds as provided for in this LOA.
5. Payments due to WAPA may be made through either Fedwire or Electronic Funds Transfer as follows:

ACH: DOE/WAPA
Richmond Federal Reserve Bank
P.O. Box 27622
Richmond, VA 23261
Routing No.: 051036706
Account No.: 312003

EFT: Federal Reserve Bank – New York City
To: ABA #021030004
BNF= /AC-89001602
6. This LOA shall become effective upon execution by Roseville, and shall remain in effect until September 30, 2022, or the date all work has been completed by WAPA and all costs have been paid to WAPA by Roseville under this LOA. Roseville and

WAPA may mutually agree in writing to extend the term of this LOA.

7. Federal Provisions:

- 7.1 **Covenant Against Contingent Fees:** Roseville warrants that no person or selling agency has been employed or retained to solicit or secure the LOA upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by Roseville to secure business. For breach or violation of this warranty, WAPA shall have the right to annul this LOA without liability or in its discretion to deduct from the price or consideration the full amount of such commission, percentage, brokerage, or contingent fee.
- 7.2 **Contingent Upon Appropriations:** Where activities provided for in the LOA extend beyond the current fiscal year, continued expenditures by the United States are contingent upon Congress making the necessary appropriations required for the continued performance of the United States' obligations under the LOA. In case such appropriation is not made, Roseville hereby releases the United States from its obligations and all liability due to the failure of Congress to make such appropriation.
- 7.3 **Contract Work Hours and Safety Standards:** The LOA, to the extent that it is of a character specified in Section 103 of the Contract Work Hours and Safety Standards Act (Act), 40 U.S.C.A. § 3701, as amended or supplemented, is subject to the provisions of the Act, 40 U.S.C.A. §§ 3701-3708, as amended or supplemented and to regulations promulgated by the Secretary of Labor pursuant to the Act.
- 7.4 **Equal Opportunity Employment Practices:** Section 202 of Executive Order No. 11246, 30 Fed. Reg. 12319 (1965), as amended by Executive Order No. 12086, 43 Fed. Reg. 46501 (1978), as amended or supplemented, which provides, among other things, that Roseville will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin, is incorporated herein by reference to the same as if the specific language had been written into the LOA, except that Indian Tribes and tribal organizations may apply Indian preference to the extent permitted by Federal Law.
- 7.5 **Use of Convict Labor:** Roseville agrees not to employ any person undergoing a sentence of imprisonment in performing the LOA except as provided by 18 U.S.C. § 3622(c)(2) as amended or supplemented, and Executive Order No. 11755, 39 Fed. Reg. 779 (1973) as amended or supplemented.

- 8. **Execution by Counterparts:** This LOA may be executed in any number of counterparts and, upon execution and delivery by each Party, the executed and

delivered counterparts together shall have the same force and effect as an original instrument as if all Parties had signed the same instrument. Any signature page of this LOA may be detached by any counterpart of this LOA without impairing the legal effect of any signatures thereon, and may be attached to another counterpart of this LOA identical in form hereto, by having attached to it one or more signature pages.

9. Electronic Signatures: The Parties agree that this LOA may be executed by handwritten signature or digitally signed using DocuSign or other mutually agreeable signature application. An electronic or digital signature is the same as a handwritten signature and shall be considered valid and acceptable.

If you agree with the terms and conditions of this LOA, please have the appropriate authorized Roseville representative sign and attested in accordance with Section 9 of this LOA. Please contact Ms. Padmini Palwe at palwe@wapa.gov, if you have any questions

Sincerely,

Bryan W. Griess
Vice President of Operations
for Sierra Nevada Region

Attest:

Name: _____

By: _____

Title: _____

By: _____

Name: _____

Title: _____

Address: _____

Date: _____



Department of Energy
Western Area Power Administration
Sierra Nevada Region
114 Parkshore Drive
Folsom, CA 95630-4710

Sent via E-Mail

Letter of Agreement 21-SNR-02611

Mr. Dominick Casey
City Manager
City of Roseville
311 Vernon Street
Roseville, CA 95678

Dear Mr. Casey:

In response to Governor Gavin Newsom's Proclamation for the State of Emergency in July 2021, California Department of Water Resources (CDWR) approached City of Roseville (Roseville) regarding the possibility of siting and connecting two natural gas generators at the Roseville Electric Park (REP) facility to help meet California's energy requirements during Summer 2021. The generators are GE TM2500, which have a capacity of approximately 30 megawatts each, and are scheduled to be in service on September 17, 2021.

Roseville and Western Area Power Administration (WAPA) are parties to Interconnection Agreement 04-SNR-00850 (Agreement) which governs the interconnection of WAPA's Electric Power System and Roseville's Electric Power System.

WAPA is assisting Roseville's connection of the two CDWR generators to Roseville's Electric Power System for delivering emergency generation from REP to the California Independent System Operator (CAISO) during Energy Emergency Alerts (EEA). Therefore, Roseville and WAPA will be parties to this Letter of Agreement 21-SNR-02611 (LOA) which documents the connection of the two CDWR generators to Roseville's Electric Power System.

1. Roseville and WAPA agree to the terms and conditions of this LOA as follows:
 - 1.1 Roseville will institute meter corrections for non-revenue quality Current Transformer and Potential Transformer per CAISO Energy Imbalance Market metering requirements before sending meter data to WAPA via Inter-Control Center Communications Protocol.

- 1.2 The two GE TM2500 generators connected at REP will only be utilized for resource deficient situations when the Reliability Coordinator issues an EEA for the CAISO Balancing Area.
 - 1.3 For EEAs that have an estimated time duration, Roseville, upon the first dispatch for an EEA, will at first opportunity purchase transmission for the remaining expected run hours.
2. This LOA shall become effective upon execution by Roseville and shall remain in effect until December 31, 2023. Roseville and WAPA may mutually agree in writing to extend the term of this LOA.
3. Federal Provisions:
 - 3.1 Covenant Against Contingent Fees: Roseville warrants that no person or selling agency has been employed or retained to solicit or secure the LOA upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by Roseville to secure business. For breach or violation of this warranty, WAPA shall have the right to annul this LOA without liability or in its discretion to deduct from the price or consideration the full amount of such commission, percentage, brokerage, or contingent fee.
 - 3.2 Contingent Upon Appropriations: Where activities provided for in the LOA extend beyond the current fiscal year, continued expenditures by the United States are contingent upon Congress making the necessary appropriations required for the continued performance of the United States' obligations under the LOA. In case such appropriation is not made, Roseville hereby releases the United States from its obligations and all liability due to the failure of Congress to make such appropriation.
 - 3.3 Contract Work Hours and Safety Standards: The LOA, to the extent that it is of a character specified in Section 103 of the Contract Work Hours and Safety Standards Act (Act), 40 U.S.C.A. § 3701, as amended or supplemented, is subject to the provisions of the Act, 40 U.S.C.A. §§ 3701-3708, as amended or supplemented and to regulations promulgated by the Secretary of Labor pursuant to the Act.
 - 3.4 Equal Opportunity Employment Practices: Section 202 of Executive Order No. 11246, 30 Fed. Reg. 12319 (1965), as amended by Executive Order No. 12086, 43 Fed. Reg. 46501 (1978), as amended or supplemented, which provides, among other things, that Roseville will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin, is incorporated herein by reference to the same as if the

specific language had been written into the LOA, except that Indian Tribes and tribal organizations may apply Indian preference to the extent permitted by Federal Law.

- 3.5 Use of Convict Labor: Roseville agrees not to employ any person undergoing a sentence of imprisonment in performing the LOA except as provided by 18 U.S.C. § 3622(c)(2) as amended or supplemented, and Executive Order No.11755,39 Red Reg.779 (1973) as amended or supplemented.
4. Execution by Counterparts: This LOA may be executed in any number of counterparts and, upon execution and delivery by each Party, the executed and delivered counterparts together shall have the same force and effect as an original instrument as if all Parties had signed the same instrument. Any signature page of this LOA may be detached by any counterpart of this LOA without impairing the legal effect of any signatures thereon, and may be attached to another counterpart of this LOA identical in form hereto, by having attached to it one or more signature pages.
5. Electronic Signatures: The Parties agree that this LOA may be executed by handwritten signature or digitally signed using DocuSign or other mutually agreeable signature application. An electronic or digital signature is the same as a handwritten signature and shall be considered valid and acceptable.

If you agree with the terms and conditions of this LOA, please have the appropriate authorized Roseville representative sign and attest in accordance with Section 5 of this LOA. Please contact Ms. Padmini Palwe at palwe@wapa.gov if you have any questions

Sincerely,

Bryan W. Griess
Vice President of Operations
for Sierra Nevada Region

CITY OF ROSEVILLE

Attest:

Name: _____
By: _____
Title: _____

By: _____
Name: _____
Title: _____
Address: _____
Date: _____