

# **TRANSFORMER OIL PROCESSING NIGHTTIME NOISE AND NUISANCE REDUCTION PLAN**

## **ARTESIAN 230 kV SUBSTATION EXPANSION PROJECT**

**REV01**

*Prepared on:*

***February 2021***

*Prepared for:*



San Diego Gas & Electric Company  
8315 Century Park Court  
San Diego, California 92123-1548

*Prepared by:*



17911 Von Karman Avenue, Suite 400  
Irvine, California 92614

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## Acronyms and Abbreviations

APM	Applicant Proposed Measure
Artesian or Project	Artesian 230kV Substation Expansion Project
CPUC	California Public Utilities Commission
FCA	Field Construction Advisor
IS/MND	Initial Study and Mitigated Negative Declaration
kV	kilovolt
MM	Mitigation Measure
MMRCP	Mitigation Monitoring, Reporting, and Compliance Program
Plan or Oil Processing Plan	Transformer Oil Processing Nighttime Nuisance and Noise Reduction Plan
SDG&E	San Diego Gas & Electric Company

## 1.0 INTRODUCTION

This Transformer Oil Processing Nighttime Nuisance and Noise Reduction Plan (Plan or Oil Processing Plan) was prepared for San Diego Gas & Electric Company's (SDG&E) Artesian 230kV Substation Expansion Project (Project). The Plan was prepared to comply with Mitigation Measures (MMs) NV-1, NV-2 and NV-5, as described within the Final Initial Study and Mitigated Negative Declaration (IS/MND) prepared by the California Public Utilities Commission (CPUC) for the Project (CPUC, 2019). It is important to note that this Plan is not applicable to the entire permitted Project; rather it is applicable only to the oil processing of one (1) 230/69kV 224 MVA transformer at the Artesian Substation site. Specifically, this Plan provides a description of SDG&E's process for processing oil into a new transformer, including noise and nuisance reduction and avoidance measures. The Project involves the installation and operation of one 230/69kV 224 MVA transformer, which needs to be filled with transformer oil. The oil processing (i.e., filling of the transformer with oil) requires a limited number of pieces of equipment to operate continuously for four days and three nights, for a total period of up to 84 hours. Since this activity includes equipment operation outside of allowable construction hours for the City of San Diego (i.e., 7:00 am to 7:00 pm, Monday through Saturday), this nighttime noise and nuisance reduction plan is required.

### 1.1 PROJECT LOCATION

The overall Project components are located between Rancho Santa Fe (to the west) and Poway (to the southeast), in the western portion of San Diego County, with elements located within both the City of San Diego and unincorporated County of San Diego, California (see Figure 1 in Appendix A). The Project (69kV reconductor) route (approximately 2.2 miles) traverses both developed residential and commercial areas. The Project involves facilities located within SDG&E's existing rights-of-way (ROW), franchise positions (city/county roadways), and SDG&E fee-owned properties.

The 230/69kV transformer is located within the East Parcel at the existing Artesian Substation, in the approximate location shown in Appendix B: Photographs. The oil processing procedure will take place at this location.

### 1.2 PROJECT DESCRIPTION

The overall Project includes the following main components:

- Within SDG&E's existing property, expand and rebuild the Artesian Substation to include a new 230kV substation yard and additional 69kV connections.
- Make minor modifications at the existing Bernardo and Rancho Carmel Substations within the existing substation footprints.
- Loop in existing 230kV transmission line into the new 230kV substation yard at the Artesian Substation.
- Reconductor an existing double-circuit 69kV power line located between the Artesian and Bernardo Substations, including the replacement of existing wood pole structures with new steel pole structures as needed, and removal of certain existing pole structures from service.

## 2.0 OBJECTIVES

The objective of this Nighttime Noise and Nuisance Reduction Plan is to minimize noise and general nuisance from the proposed oil processing of a new 230/69kV 224 MVA transformer at the Artesian Substation Site, in compliance with the Project's approved Mitigation Measures. The proposed oil processing activities are required prior to operation of the new transformer. Oil processing activities were previously conducted in July 2020 to partially fill the transformer with oil to maintain compliance with the manufacturer warranty. Now that the transformer has been positioned onto its new pad at the existing 69/12kV Artesian Substation, final oil processing activities are required to put the transformer into service.

## 3.0 APPLICABLE REQUIREMENTS

### 3.1 APPLICABLE MITIGATION MEASURES

All or portions of Mitigation Measures NV-1, NV-2, and NV-5 are applicable to this Plan. These measures are included below in their entirety. Plan Sections 3.3.2 and 4.2 describe how the Project will comply with these MMs.

#### **MM NV-1: Variance Request**

*If it is determined that construction activities are necessary during nighttime hours or on a Sunday, SDG&E shall submit a variance request to the County of San Diego and/or City of San Diego planning departments to work outside of allowed construction hours. SDG&E shall provide CPUC with evidence that it has obtained the variance(s) prior to commencing such work.*

#### **MM NV-2: Construction Noise Reduction Plan <sup>1</sup>**

*Distribute to the potentially affected residences within 100 feet of Project construction a "hotline" telephone number, which shall be attended during active construction working hours, for use by the public to register complaints. All complaints shall be logged noting date, time, complainants' name, nature of complaint, and any corrective action taken.*

#### **MM NV-5: Nighttime Noise and Nuisance Reduction Plan**

*SDG&E and/or its contractors shall develop a Nighttime Noise and Nuisance Reduction Strategy Plan in the event that nighttime construction activity is determined to be necessary within 500 feet of sensitive receptors. The plan shall be submitted to the CPUC for review and approval prior to the commencement of nighttime construction activities. The strategy shall include a set of site-specific noise attenuation measures that apply state-of-the-art noise reduction technology to ensure that nighttime construction noise levels and associated nuisances are reduced to the extent feasible. The attenuation measures may*

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<sup>1</sup> Only the applicable portion of MM NV-2 is included herein. The remainder of MM NV-2 relates to construction noise reduction, which does not apply to the 230/69kV 224 MVA transformer oil processing procedure.

*include, but not be limited to, the control strategies and methods for implementation that are listed below.*

- *Plan construction activities to minimize the amount of nighttime construction.*
- *Offer temporary relocation of residents within 200 feet of nighttime construction activities.*
- *Temporary noise barriers, such as shields and blankets, shall be installed immediately adjacent to all nighttime stationary noise sources (e.g., auger rigs, generators, compressors, etc.).*
- *Install temporary noise barriers that block the line of sight between nighttime activities and the closest residences within 500 feet.*
- *The notification requirements identified in Mitigation Measure NV-2 shall be extended to include residences within 500 feet of pending nighttime construction activities.*

### **3.2 APPLICANT PROPOSED MEASURES**

There are no applicable Applicant Proposed Measures for this Plan.

### **3.3 OTHER APPLICABLE REQUIREMENTS**

In addition to the applicable Project MMs described above, this Nighttime Noise and Nuisance Reduction Plan also addresses other requirements and limitations including a discussion of applicable project components, required permits and agency approvals.

#### **3.3.1 Applicable Project Components**

While MMs NV-1 and NV-5 are applicable to any Project construction activities occurring at night, this Plan is intentionally focused to cover only a small aspect of construction for the Project; oil processing for one 230/69kV transformer at the Artesian Substation site (Eastern Parcel). Any other construction activities required to occur at night will require preparation of additional documentation in compliance with the applicable MMs.

#### **3.3.2 City of San Diego Noise Ordinance**

The Artesian Substation site is located within the City of San Diego and is therefore subject to the City's Noise Code. The City of San Diego Noise Ordinance prohibits construction activities between the hours of 7:00 p.m. and 7:00 a.m. and on Sundays and legal holidays, except in case of emergency or a permit has been applied for and granted beforehand by the Noise Abatement and Control Administrator (City of San Diego, 2019). In accordance with the Noise Code, SDG&E has obtained a permit to allow for oil processing activities to occur outside of the allowable construction hours, as described in Section 3.3.3, below.

In addition, the City of San Diego Noise Ordinance includes allowable noise limits for different times of day, as described in the table below. The Artesian Substation site, where the oil processing will take place, is surrounded by commercial land uses to the east, multi-family residential land

uses to the south (which are the closest noise sensitive receptors), an SDG&E powerline and transmission line ROW to the west (with single-family residential land uses to the west of the SDG&E ROW), and transportation land uses (Camino del Sur) to the north (with powerline ROW and single-family residential land uses to the north of Camino del Sur).

**COUNTY AND CITY OF SAN DIEGO SOUND LEVEL LIMITS**

Land Use Zone	Time of Day	One-Hour Average Sound Level (dBA)
1. Single-Family Residential	7:00 a.m. to 7:00 p.m.	50
	7:00 p.m. to 10:00 p.m.	45
	10:00 p.m. to 7:00 a.m.	<b>40</b>
2. Multi-Family Residential (Up to a maximum density of 1/2,000)	7:00 a.m. to 7:00 p.m.	55
	7:00 p.m. to 10:00 p.m.	50
	10:00 p.m. to 7:00 a.m.	<b>45</b>
3. All Other Residential	7:00 a.m. to 7:00 p.m.	60
	7:00 p.m. to 10:00 p.m.	55
	10:00 p.m. to 7:00 a.m.	50
4. Commercial	7:00 a.m. to 7:00 p.m.	65
	7:00 p.m. to 10:00 p.m.	60
	10:00 p.m. to 7:00 a.m.	<b>60</b>
5. Industrial or Agricultural	Any time	75

SOURCE: City of San Diego Municipal Code Section 59.5.0401, and County of San Diego's Municipal Code, Title 3, Division 6, Chapter 4, Noise Abatement and Control, Section 36.404 General Sound Level Limits.

Considering these adjacent land uses, the applicable nighttime noise limits for the Artesian Substation site are 40 dBA at the single-family residential properties to the west and north, 45 dBA at the multi-family residence to the south, and 60 dBA at the commercial properties to the east. These limits are noted in bold in the table above.

### 3.3.3 Required Permits and Agency Approvals

In accordance with the City of San Diego Noise Code, SDG&E has obtained a Construction Noise Permit (i.e., temporary variance from the Noise Code) for oil processing activities at the Artesian Substation site to occur outside of allowable construction hours for the City of San Diego (i.e., 7:00 am to 7:00 pm, Monday through Saturday). A copy of the Construction Noise Permit is included in Appendix C of this Plan.

## 4.0 PLAN IMPLEMENTATION

This section describes the scope and requirements of MMs NV-1, NV-2, and NV-5 as well as the methodologies SDG&E will employ to maintain compliance with these MMs. Specifically, this section includes a description of the transformer oil processing procedure, equipment, timelines, and noise and nuisance avoidance methods used to minimize the disturbance to noise sensitive land uses within 500 feet of the Artesian Substation Site.

## 4.1 TRANSFORMER OIL PROCESSING PROCEDURE

The transformer oil processing procedure is discussed in the following sub-sections, including both general practices as well as Project specific plans for the processing of transformer oil for the Artesian 230/69kV transformer.

### 4.1.1 Required Vehicles and Equipment

The transformer oil processing procedure includes the following equipment.

Equipment	Function	Noise Emissions at Night
Oil Processing Rig	Creates vacuum and pumps oil into the transformer.	The oil processing rig includes 2 vacuum pumps and one booster pump, all of which are located within the rig. The oil processing rig is operated during the entire process, although the various pumps are only active during certain portions of the process.
Portable generator	Powers the oil processing rig	The generator has a motor and is operated during the entire process.
Manlift	Utilized to set-up and connect the oil processing rig with the transformer	None – equipment is not operated during nighttime hours
Oil tank	Hold oil during the oil heating and pumping process.	None – the oil tank does not have a motor or any other component that emits noise.
Oil storage rig	Holds oil prior to being heated and inserted into the transformer.	None – the oil storage rig does not have a motor or any other component that emits noise.

### 4.1.2 Oil Processing Schedule and Timing

The general sequence, timing, and duration of the oil processing procedure is as follows:

- Oil Processing Day 1:
  1. Turn on portable generator and oil processing rig (start of day; approximately 7am)
  2. Start vacuum process (approximately 10am; vacuum process lasts approximately 24 hours)
- Oil Processing Day 2
  1. Vacuum process is complete (approximately 10am)
  2. Heat up oil and fill transformer under vacuum (approximately 16 hours)



- Oil Processing Day 3
  1. Break vacuum (start of day; approximately 7am).
  2. Perform hot oil circulation (approximately 10am; oil circulation lasts approximately 24 hours).
- Oil Processing Day 4
  1. Hot oil circulation stops (at approximately 10am) and equipment is demobilized and taken offsite.
  2. Oil processing is complete.

## 4.2 NOISE AND NUISANCE AVOIDANCE AND MINIMIZATION MEASURES

The oil processing activity will use a combination of standard and project-specific measures to ensure that generation of noise and other nuisance to surrounding noise sensitive land uses are minimized to the greatest extent possible, as required by MM NV-5. Based on similar recent operations at other SDG&E substations, SDG&E understands that the noise emissions from oil processing within a walled substation are minimal (Meridian, 2020). Specifically, the following actions will be taken to avoid or minimize noise and nuisance impacts to surrounding land uses:

1. Utilize existing or constructed noise barriers where feasible.
2. Provide additional noise barrier for the generator.
3. Avoid noise sensitive land uses as much as possible.
4. Notify residents within 600 feet.
5. Limit the work occurring at night as much as possible.
6. Limit crew size as much as possible.

### 4.2.1 Use Existing Noise Barriers

The existing Artesian 69/12kV substation is surrounded on all sides by a concrete masonry unit (CMU) wall, and on the south side by an additional concrete soil nail wall approximately 20 feet south of the CMU wall. Each wall is 20- to 22-feet tall. The CMU wall would shield noise emissions by the Project in every direction. The soil nail wall provides additional shielding for noise emissions south of the Project. The closest noise sensitive receptor (apartment complex) is located south of these walls. Because of the addition of these walls, and considering the distance to the nearest residences (see Figure 2 in Appendix A), noise emissions from oil processing equipment (portable generator and oil processing rig) are not expected to exceed the City's nighttime noise limits (40 dBA for single family residential properties and 45 dBA for multi-family properties) between the hours of 10 pm and 7 am. These noise level estimates are based on the Roadway Construction Noise Model (RCNM), Version 1.1 (refer to Appendix D):

1. Average noise levels (Leq) at the nearest multi-family residential property line (225 feet south of the generator and oil processing rig) are estimated to be approximately 39 dBA.
2. Average noise levels (Leq) at the nearest residential structures (310 feet south of the generator and rig) are estimated to be approximately 37 dBA.

3. Average noise levels (Leq) at the single-family residences to the west and north (over 500 feet from the generator and rig) are estimated to be approximately 32 dBA.

#### **4.2.2 Provide Additional Noise Barrier for the Generator**

While the existing features at the Artesian Substation, including the existing block substation wall and the adjacent slopes, create a barrier to sound emitted from the oil processing procedure, SDG&E will implement an additional sound barrier for the portable generator to comply with MM NV-5. The generator represents the main source of noise, therefore providing the additional sound barrier for the generator will minimize noise impacts on the multi-family residential structure located south of the substation site. To create the additional sound barrier for the generator, the Oil Processing Rig will be positioned between the generator and the multi-family residential to the south. The generator is approximately 5 feet tall, and 6 feet long whereas the Oil Processing Rig is 12 feet tall and approximately 40 feet long. Therefore, the Oil Processing Rig will effectively block the line of sight between the generator and the multi-family residential complex and provide additional noise reduction in addition to the existing substation block wall and vegetated slope.

#### **4.2.3 Avoid Noise Sensitive Land Uses**

The oil processing equipment will be positioned to mitigate any potential noise impacts to the extent feasible. The equipment will be setup as far from sensitive noise receptors as possible to limit the noise impacts, as noise attenuates with distance. In addition, all of the oil processing equipment will be operated within the existing substation walls, further reducing noise emissions that reach nearby noise sensitive land uses.

#### **4.2.4 Provide Nighttime Work Notifications**

In compliance with MM NV-5, SDG&E sent out notifications to residents within 600 feet<sup>2</sup> of the Artesian Substation site where the transformer will be delivered. In compliance with MM NV-2, the notices included a “hotline” phone number that the public can use to ask questions or register complaints. SDG&E will create a log of any complaints received and provide a copy of the Complaint Log to CPUC as part of the next Weekly Compliance Summary. Notification Letters went out on February 17, 2021. A copy of the notification letter and mailing list are included in Appendix E.

#### **4.2.5 Limit Work that Occurs at Night**

As a standard practice for transformer oil processing, SDG&E conducts all activities during normal construction (i.e., 7am to 7pm) except those steps that must occur during nighttime hours. All activities that can be completed during allowable working hours are done so. Specifically, the activities that will occur at night are limited to the following:

1. Vacuum the transformer (duration approximately 24 hours),

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<sup>2</sup> While MM NV-5 requires a minimum 500-foot notification, SDG&E has implemented a 600-foot notification based on the area and site-specific conditions.

2. Oil heating (duration approximately 16 hours), and
3. Fill transformer with heated oil (duration approximately 24 hours).

All set-up and breakdown of equipment would occur during normal construction hours.

#### **4.2.6 Limiting Crew Size**

The nighttime portions of the transformer oil processing procedure will be completed using a crew that is only large enough to complete/monitor the work. Excess crew, inspectors, and monitors will not be onsite in order to reduce the amount of activity and potential disruption. Support staff will be limited to two personnel who monitor the oil processing procedure.

#### **4.2.7 Noise Monitoring**

As requested by the condition of approval, SDG&E will conduct noise monitoring during the oil processing operation to record noise levels at the site of the Artesian Substation. In the event that a complaint from a member of the public is received, data recording actual noise levels associated with the oil processing operation may serve to demonstrate due diligence on the part of SDG&E that measures were taken to accurately represent noise conditions, reduce noise levels to the extent feasible, and thereby address potential neighbor/receptor's concerns adequately.

## **5.0 REFERENCES**

California Public Utilities Commission, 2019. San Diego Gas & Electric Company's Artesian 230kV Substation Expansion Project Final Initial Study/Mitigated Negative Declaration, March.

City of San Diego, 2019. City of San Diego Municipal Code, Article 9.5: Noise Abatement and Control, Division 4: Limits, Section 59.5.0401, 12-2019.

County of San Diego, n.d. Ordinance No. 9962. Municipal Code, Title 3, Division 6, Chapter 4, Noise Abatement and Control, Section 36.404 General Sound Level Limits.

Meridian Consultants, 2020. Construction Noise Measurements for the South Orange County Reliability Enhancement Project; San Juan Capistrano Substation Noise Monitoring, May 2020.

## **APPENDIX A**

### **Figures**

## APPENDIX A – FIGURES



G:\SDG&E\_ArtesianExpansion\MXD\Artesian\_Vicinity.mxd

SDG&E is providing this map with the understanding that the map is not survey grade. Certain technology used under license from AT&T Intellectual Property I, L.P. Copyright © 1998–2007 AT&T Intellectual Property I, L.P. All Rights Reserved.

- Proposed Project Substation
- Proposed Project Power Lines<sup>1</sup>
- Staging & Storage Yard
- Incorporated Cities of San Diego County

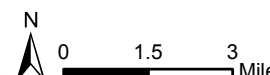
<sup>1</sup> New 230kV connection at Artesian and ~500-foot 69kV reconductor at Rancho Carmel are not shown due to scale.

**Artesian 230kV Substation Expansion Project**  
**Figure 1**  
**Vicinity Map**



A Sempra Energy utility

Sources: TRC, 2015; SDG&E, 2015; Cal-Atlas, California Counties; National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, GEBCO, NOAA, IPC







**Figure 2: Transformer Oil Processing Site Plan**

## **APPENDIX B**

### **Photographs**



Photo 1. West-facing view of the transformer on the right, and the nearest residences on the far left (apartment complex south of the project).





Photo 2. Southwest-facing view of the transformer, with the nearest residences visible in the background (apartment complex to the south).

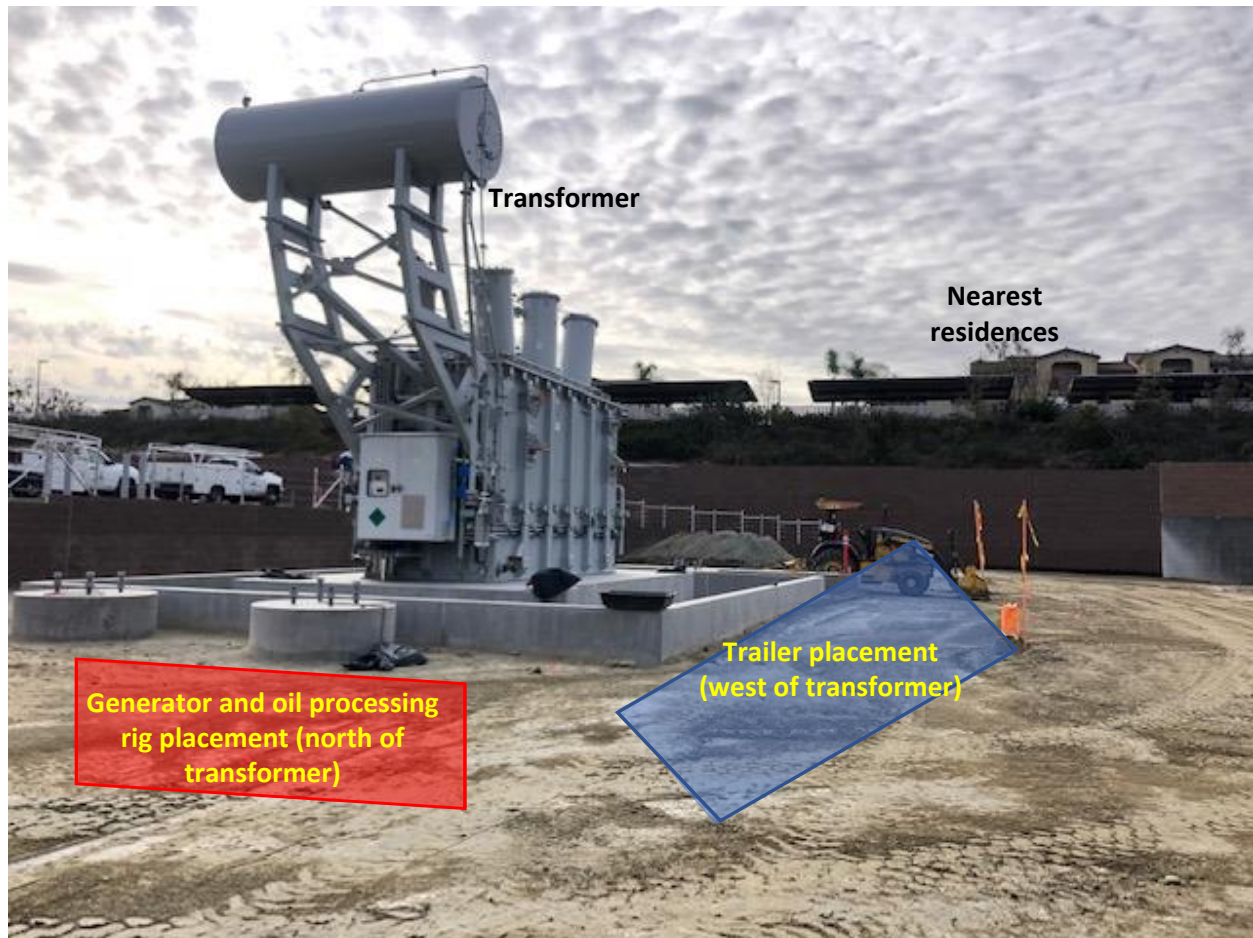


Photo 3. Southeast-facing view of the transformer, showing placement of generator, oil processing rig, and trailer relative to the transformer and the nearest residences to the south (visible in the background of the photograph).

## **APPENDIX C**

### **Construction Noise Permit**



# Approval

2/18/21 9:45 pm

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L64A-005

THE CITY OF SAN DIEGO  
Development Services Department  
1222 1st Avenue, San Diego, CA 92101-4154

## Project Information

**Project Nbr:** 686238 **Title:** Construction Noise permit  
**Project Mgr:** Bourachi, Rima (619)446-5062 Rbourachi@sandiego.gov



## Approval Information

**Approval Nbr:** 25 20321 **Type:** Construction Noise Permit **Status:** Pending Invoice Payment  
**Issued:** 02/18/2021 9:45 pm **Issued By:** Bourachi, Rima **Permit Holder:** Dechico, Albert  
**Completed:** **Completed By:** **Owner Occupied:** ☐ **Overridden:** ☐  
**Extension Qty:** 0 **Extended By:** **Cancel Reason:**  
**Scope:** Construction Noise permit for SDG&E on site work(oil processing to transformer) between 02/23/2021 to 02/26/2021 from 07:00PM to 07:00AM. **Precancel Status:**  
**Land Doc Type:**  
**Recorded Map No.:**  
**Recorded Date:**



## Job Location (15515 1/3 CAMINO DEL SUR)

**Address** **Assessor Parcel**  
15515 1/3 CAMINO DEL SUR

## Fee Worksheet

<u>Fee</u>	<u>Quantity</u>	<u>Unit</u>	<u>Category</u>
Construction Noise Permit	1.00	Each	Issuance Fees



## **APPENDIX D**

### **Noise Emission Estimates**

### Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/26/2021  
 Case Description: At Multi-Family Residential Property Line to South

#### Receptor

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receptor	Residential	50	45	<b>40</b>

#### Equipment

Description	Impact		Spec Lmax (dBA)	Actual Lmax (dBA)	Receptor Distance (feet)	Estimated Shielding (dBA)
	Device	Usage(%)				
Generator	No	100		72	225	20
Rig	No	100		62	225	20

#### Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment														
Generator	38.9	38.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rig	28.9	28.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	38.9	<b>39.3</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### KEY

N/A - not applicable (no noise limits would be exceeded)

Leq - energy equivalent noise level ("average" noise level referred to in City's Noise Limits)

Lmax - maximum noise level (same as average noise level for equipment running full time at same settings)

dBA - decibels, with sound levels based on A-weighting scale

### Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/26/2021  
 Case Description: At Multi-Family Residences to South

#### Receptor

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receptor	Residential	50	45	<b>40</b>

#### Equipment

Description	Impact		Spec	Actual	Receptor	Estimated
	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Generator	No	100		72	310	20
Rig	No	100		62	310	20

#### Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment														
Generator	36.2	36.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rig	26.2	26.2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	36.2	<b>36.6</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### KEY

N/A - not applicable (no noise limits would be exceeded)

Leq - energy equivalent noise level ("average" noise level referred to in City's Noise Limits)

Lmax - maximum noise level (same as average noise level for equipment running full time at same settings)

dBA - decibels, with sound levels based on A-weighting scale

### Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 1/26/2021  
 Case Description: At Single-Family Residences to North and West

#### Receptor

Description	Land Use	Baselines (dBA)		
		Daytime	Evening	Night
Nearest Receptor	Residential	50	45	<b>40</b>

#### Equipment

Description	Impact		Spec	Actual	Receptor	Estimated
	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Generator	No	100		72	500	20
Rig	No	100		62	500	20

#### Results

	Calculated (dBA)		Noise Limits (dBA)						Noise Limit Exceedance (dBA)					
			Day		Evening		Night		Day		Evening		Night	
	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Equipment														
Generator	32.0	32.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Rig	22.0	22.0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total	32.0	<b>32.4</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

#### KEY

N/A - not applicable (no noise limits would be exceeded)

Leq - energy equivalent noise level ("average" noise level referred to in City's Noise Limits)

Lmax - maximum noise level (same as average noise level for equipment running full time at same settings)

dBA - decibels, with sound levels based on A-weighting scale



## **APPENDIX E**

### **Residential Notification Letter and Mailing List**



**Todd Voorhees**  
Regional Public Affairs Manager

8315 Century Park Court  
San Diego, CA 92123

[tvoorhees@sdge.com](mailto:tvoorhees@sdge.com)

February 17, 2021

Dear Resident or Property Owner:

The California Public Utilities Commission (CPUC) has granted San Diego Gas and Electric Company (SDG&E®) a Permit to Construct the Artesian 230kV Substation Expansion Project (Project). In addition to the expansion of the Artesian Substation on Camino Del Sur Road in the community of Del Sur, the project includes modifications at the existing Bernardo and Rancho Carmel Substations and transmission line replacement of approximately 2.2 miles of existing power lines.

The purpose of this project is to ensure the continued availability of safe and reliable electrical service and to provide additional capacity to serve long-term forecasted electrical demand requirements in the area, while also improving system reliability and providing greater operational flexibility.

**As part of SDG&E's continuing construction activities, night work will be required at the existing substation site over 3 nights. Continued work activities are required to fill transformers with oil. Noise and lighting levels will be mitigated and will conform with construction mitigation plans and local permitting requirements.**

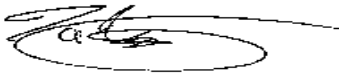
**Location:** Artesian Substation (Vicinity of Camino del Sur and Babcock Street, San Diego)  
**Work Dates:** February 23, 2021 – February 26, 2021  
**Hours:** 24-hour operation

Throughout this construction project, SDG&E will continue to work closely with local municipalities and community groups to ensure construction activities are as least disruptive as possible.

We also plan to keep communities informed during all phases of the project's construction. We're committed to working with you and local public safety officials to help minimize inconveniences and safeguard a smooth construction process. For more project information, please visit: [www.sdge.com/artesian](http://www.sdge.com/artesian).

Should you have any questions or require additional information, please call **(844) 765-6388**, or email [tvoorhees@sdge.com](mailto:tvoorhees@sdge.com).

Sincerely,

A handwritten signature in black ink, appearing to read 'Todd Voorhees', enclosed within a large, loopy oval shape.

Todd Voorhees  
Regional Public Affairs Manager  
San Diego Gas & Electric Company

COUNT	CUSTOMER NAME	Artesian Sub Night Noise 600'	ADDRESS	CITY_STATE_ZIP	RES_COM_APN
1	WANG JIMMY IGEN & MELANIE NGUYEN		10432 RESERVE DR #110	SAN DIEGO CA 92127	67841112
2	MARANATHA CHAPEL		10752 COASTWOOD RD	SAN DIEGO CA 92127	26706038
3	CHAN FAMILY TRUST		15493 TANNER RIDGE RD	SAN DIEGO CA 92127	26734049
4	LIE FAMILY TRUST		157 N WORTHY DR	GLENDORA CA 91741	26734046
5	MARISOL GRAMLICH		15868 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
6	TIM ZUBROD		15876 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
7	BEATRIZ A HANLEY		15878 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
8	ELINA BEGELMAN		15880 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
9	STEVE DAVIS		15881 CONCORD RIDGE TER	SAN DIEGO CA 92127	RESIDENTIAL
10	CHRISTINE K TAYLOR		15882 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
11	JOSH CALDWELL		15884 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
12	NAGAMALLESWARA RAO GANJI		15885 CONCORD RIDGE TER	SAN DIEGO CA 92127	RESIDENTIAL
13	KAI LIAO		15886 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
14	KATIE LOUISE REEL		15888 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
15	KELLY OSBORNE		15889 CONCORD RIDGE TER	SAN DIEGO CA 92127	RESIDENTIAL
16	HIMANSHU KHATRI		15890 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
17	MR CARY M CHESHIRE		15892 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
18	KRISTEN TEETER		15894 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
19	ARUL SUBBARAYAN		15895 CONCORD RIDGE TER	SAN DIEGO CA 92127	RESIDENTIAL
20	CHAD ROSS		15896 VIA MONTENERO	SAN DIEGO CA 92127	RESIDENTIAL
21	JOSHUA NUSSBAUM		15898 PASEO DEL SUR	SAN DIEGO CA 92127	RESIDENTIAL
22	SHAMROZE SAYED		15899 CONCORD RIDGE TER	SAN DIEGO CA 92127	RESIDENTIAL
23	CHRISTINA NGOC NGUYEN		16016 BABCOCK ST 1	SAN DIEGO CA 92127	RESIDENTIAL
24	LILIANA YATES		16016 BABCOCK ST 10	SAN DIEGO CA 92127	RESIDENTIAL
25	HOMA FARVIN		16016 BABCOCK ST 100	SAN DIEGO CA 92127	RESIDENTIAL
26	SALEHA LALMOHAMAD		16016 BABCOCK ST 101	SAN DIEGO CA 92127	RESIDENTIAL
27	ELINA PETROSOVA		16016 BABCOCK ST 102	SAN DIEGO CA 92127	RESIDENTIAL
28	CINDY TENTSCHERT		16016 BABCOCK ST 103	SAN DIEGO CA 92127	RESIDENTIAL
29	HOSSEIN FALLAH		16016 BABCOCK ST 104	SAN DIEGO CA 92127	RESIDENTIAL
30	ILYA BELOV		16016 BABCOCK ST 105	SAN DIEGO CA 92127	RESIDENTIAL
31	JADA HORNE		16016 BABCOCK ST 106	SAN DIEGO CA 92127	RESIDENTIAL
32	GETOWA MCGHEE		16016 BABCOCK ST 107	SAN DIEGO CA 92127	RESIDENTIAL
33	AMBER SERRATOS		16016 BABCOCK ST 108	SAN DIEGO CA 92127	RESIDENTIAL
34	CIC FAIRBANKS LP		16016 BABCOCK ST 109	SAN DIEGO CA 92127	RESIDENTIAL
35	HEIDAR AMIRIABARGHOUI		16016 BABCOCK ST 11	SAN DIEGO CA 92127	RESIDENTIAL
36	MOUNZER SHOUCAIR		16016 BABCOCK ST 110	SAN DIEGO CA 92127	RESIDENTIAL
37	MALALAI NASERY		16016 BABCOCK ST 111	SAN DIEGO CA 92127	RESIDENTIAL
38	NINO KOVACIC		16016 BABCOCK ST 112	SAN DIEGO CA 92127	RESIDENTIAL
39	MARYA EBRAHIMI		16016 BABCOCK ST 113	SAN DIEGO CA 92127	RESIDENTIAL
40	ELLE STOKES		16016 BABCOCK ST 114	SAN DIEGO CA 92127	RESIDENTIAL
41	SHERILL B HARRISON		16016 BABCOCK ST 115	SAN DIEGO CA 92127	RESIDENTIAL
42	VINNETTE M COLE		16016 BABCOCK ST 116	SAN DIEGO CA 92127	RESIDENTIAL
43	SUSANNA G PETROSOVA		16016 BABCOCK ST 117	SAN DIEGO CA 92127	RESIDENTIAL
44	MADINA SMAGULOVA		16016 BABCOCK ST 118	SAN DIEGO CA 92127	RESIDENTIAL
45	KELLY FIORITO		16016 BABCOCK ST 119	SAN DIEGO CA 92127	RESIDENTIAL
46	FAINA PASTERNAK		16016 BABCOCK ST 12	SAN DIEGO CA 92127	RESIDENTIAL
47	XIAO ZHU YU		16016 BABCOCK ST 120	SAN DIEGO CA 92127	RESIDENTIAL
48	MARISSA COLLINS		16016 BABCOCK ST 121	SAN DIEGO CA 92127	RESIDENTIAL
49	ANGELICA COBARRUBIAS		16016 BABCOCK ST 122	SAN DIEGO CA 92127	RESIDENTIAL
50	VENIAMIN SYSOIEV		16016 BABCOCK ST 123	SAN DIEGO CA 92127	RESIDENTIAL
51	JAMIE M MCDONALD		16016 BABCOCK ST 124	SAN DIEGO CA 92127	RESIDENTIAL
52	SUZAN ALAYIAN		16016 BABCOCK ST 125	SAN DIEGO CA 92127	RESIDENTIAL
53	JACKI MANLEY		16016 BABCOCK ST 126	SAN DIEGO CA 92127	RESIDENTIAL
54	PRISCILLA G MILLER		16016 BABCOCK ST 128	SAN DIEGO CA 92127	RESIDENTIAL
55	MILINDA MODROW		16016 BABCOCK ST 129	SAN DIEGO CA 92127	RESIDENTIAL
56	A KATHY GARCIA		16016 BABCOCK ST 13	SAN DIEGO CA 92127	RESIDENTIAL
57	ROSA J BOJORGES		16016 BABCOCK ST 130	SAN DIEGO CA 92127	RESIDENTIAL
58	SHAHNAZ ANSARI		16016 BABCOCK ST 131	SAN DIEGO CA 92127	RESIDENTIAL
59	GEORGE ROYTMAN		16016 BABCOCK ST 132	SAN DIEGO CA 92127	RESIDENTIAL
60	MUDHAFFER ALAMAR		16016 BABCOCK ST 133	SAN DIEGO CA 92127	RESIDENTIAL
61	KEVIN MORRIS		16016 BABCOCK ST 134	SAN DIEGO CA 92127	RESIDENTIAL
62	RENE D GOMEZ		16016 BABCOCK ST 135	SAN DIEGO CA 92127	RESIDENTIAL
63	AHMAD KAZEM		16016 BABCOCK ST 136	SAN DIEGO CA 92127	RESIDENTIAL
64	SOURAYA SHOUCAIR		16016 BABCOCK ST 137	SAN DIEGO CA 92127	RESIDENTIAL
65	HAMIDA KARIMI		16016 BABCOCK ST 138	SAN DIEGO CA 92127	RESIDENTIAL
66	SIDEQA NOOMANI		16016 BABCOCK ST 139	SAN DIEGO CA 92127	RESIDENTIAL
67	NILOOFAR EMAMI		16016 BABCOCK ST 14	SAN DIEGO CA 92127	RESIDENTIAL
68	MITRA JAVADZADEHPOUR		16016 BABCOCK ST 140	SAN DIEGO CA 92127	RESIDENTIAL
69	NEMATULLA BAHAR		16016 BABCOCK ST 141	SAN DIEGO CA 92127	RESIDENTIAL
70	NADIA GALASH		16016 BABCOCK ST 142	SAN DIEGO CA 92127	RESIDENTIAL

71	REGINA HAKIMI	16016 BABCOCK ST 143	SAN DIEGO CA 92127	RESIDENTIAL
72	OZZIE IBRAHIMI	16016 BABCOCK ST 144	SAN DIEGO CA 92127	RESIDENTIAL
73	GENN VEZEL	16016 BABCOCK ST 145	SAN DIEGO CA 92127	RESIDENTIAL
74	SEPIDEH AFSHARKHAREHGHAN	16016 BABCOCK ST 146	SAN DIEGO CA 92127	RESIDENTIAL
75	AFSANEH MALAYERI	16016 BABCOCK ST 147	SAN DIEGO CA 92127	RESIDENTIAL
76	STEPHEN MOREY	16016 BABCOCK ST 148	SAN DIEGO CA 92127	RESIDENTIAL
77	SAEID SALIMITARI	16016 BABCOCK ST 149	SAN DIEGO CA 92127	RESIDENTIAL
78	SADAF SIDDIQI	16016 BABCOCK ST 15	SAN DIEGO CA 92127	RESIDENTIAL
79	ELHAM AHMADI	16016 BABCOCK ST 150	SAN DIEGO CA 92127	RESIDENTIAL
80	SIMA MORSHEDIAN TAHBAZ	16016 BABCOCK ST 151	SAN DIEGO CA 92127	RESIDENTIAL
81	MASOUD FOROTANRAD	16016 BABCOCK ST 152	SAN DIEGO CA 92127	RESIDENTIAL
82	RAMZI SHOUCAIR	16016 BABCOCK ST 153	SAN DIEGO CA 92127	RESIDENTIAL
83	KHALED ALEM	16016 BABCOCK ST 154	SAN DIEGO CA 92127	RESIDENTIAL
84	DEVIN SAUNDERS	16016 BABCOCK ST 155	SAN DIEGO CA 92127	RESIDENTIAL
85	MEHRDAD RAMESHI	16016 BABCOCK ST 156	SAN DIEGO CA 92127	RESIDENTIAL
86	DZMITRI SHANKOU	16016 BABCOCK ST 157	SAN DIEGO CA 92127	RESIDENTIAL
87	KHADJIEH SARAH REZAEI	16016 BABCOCK ST 158	SAN DIEGO CA 92127	RESIDENTIAL
88	SEIFOLLAH BAHARI	16016 BABCOCK ST 159	SAN DIEGO CA 92127	RESIDENTIAL
89	SHARIFA HAKIMI	16016 BABCOCK ST 16	SAN DIEGO CA 92127	RESIDENTIAL
90	COLLEEN FLOWERS	16016 BABCOCK ST 160	SAN DIEGO CA 92127	RESIDENTIAL
91	IRINA ENGIN	16016 BABCOCK ST 161	SAN DIEGO CA 92127	RESIDENTIAL
92	FERDOUS SADEGHI GOORAN	16016 BABCOCK ST 162	SAN DIEGO CA 92127	RESIDENTIAL
93	MOJGAN AFSHIN	16016 BABCOCK ST 163	SAN DIEGO CA 92127	RESIDENTIAL
94	GHULAM MUSTAFA SHIRZAD	16016 BABCOCK ST 164	SAN DIEGO CA 92127	RESIDENTIAL
95	WALLACE COREY	16016 BABCOCK ST 165	SAN DIEGO CA 92127	RESIDENTIAL
96	SYLVIA C ESQUEDA	16016 BABCOCK ST 166	SAN DIEGO CA 92127	RESIDENTIAL
97	HAK S KIM	16016 BABCOCK ST 167	SAN DIEGO CA 92127	RESIDENTIAL
98	SHAKIEBA HAKINZADA	16016 BABCOCK ST 168	SAN DIEGO CA 92127	RESIDENTIAL
99	UNITA PARNELL	16016 BABCOCK ST 169	SAN DIEGO CA 92127	RESIDENTIAL
100	AIKO CARDENAS	16016 BABCOCK ST 17	SAN DIEGO CA 92127	RESIDENTIAL
101	LIUDMILA ELTSOFONE	16016 BABCOCK ST 170	SAN DIEGO CA 92127	RESIDENTIAL
102	GLIB MAKSYMENKO	16016 BABCOCK ST 171	SAN DIEGO CA 92127	RESIDENTIAL
103	NATASHA FREDERICK	16016 BABCOCK ST 172	SAN DIEGO CA 92127	RESIDENTIAL
104	SIMIN PIROOZFAR	16016 BABCOCK ST 173	SAN DIEGO CA 92127	RESIDENTIAL
105	PEGAH MOJAB	16016 BABCOCK ST 174	SAN DIEGO CA 92127	RESIDENTIAL
106	RUBEN E ENGLAND	16016 BABCOCK ST 175	SAN DIEGO CA 92127	RESIDENTIAL
107	TOORAN SAMIEAN	16016 BABCOCK ST 176	SAN DIEGO CA 92127	RESIDENTIAL
108	MIHAILS SNITKO	16016 BABCOCK ST 177	SAN DIEGO CA 92127	RESIDENTIAL
109	YEVGEN KOCHKIN	16016 BABCOCK ST 178	SAN DIEGO CA 92127	RESIDENTIAL
110	EVA KORELOVA	16016 BABCOCK ST 179	SAN DIEGO CA 92127	RESIDENTIAL
111	DANETTE TENORIO	16016 BABCOCK ST 18	SAN DIEGO CA 92127	RESIDENTIAL
112	SARDAR LALMOHAMAD	16016 BABCOCK ST 180	SAN DIEGO CA 92127	RESIDENTIAL
113	SALIHA RAJAB	16016 BABCOCK ST 181	SAN DIEGO CA 92127	RESIDENTIAL
114	LILIANAH KAVINSKI	16016 BABCOCK ST 182	SAN DIEGO CA 92127	RESIDENTIAL
115	SAUNCIRAE TAYLOR	16016 BABCOCK ST 183	SAN DIEGO CA 92127	RESIDENTIAL
116	DIANA TAKAMORI	16016 BABCOCK ST 184	SAN DIEGO CA 92127	RESIDENTIAL
117	MIREYA FUENTES	16016 BABCOCK ST 185	SAN DIEGO CA 92127	RESIDENTIAL
118	AAMBER KIRKLAND	16016 BABCOCK ST 186	SAN DIEGO CA 92127	RESIDENTIAL
119	ROSSANA DEL RIO PENA	16016 BABCOCK ST 187	SAN DIEGO CA 92127	RESIDENTIAL
120	HASHMATULLAH ZAHEER	16016 BABCOCK ST 188	SAN DIEGO CA 92127	RESIDENTIAL
121	SHINDANA PERRYMAN	16016 BABCOCK ST 189	SAN DIEGO CA 92127	RESIDENTIAL
122	TIMETRA DILLARD	16016 BABCOCK ST 19	SAN DIEGO CA 92127	RESIDENTIAL
123	ZOHAL ABDURAHMAN	16016 BABCOCK ST 190	SAN DIEGO CA 92127	RESIDENTIAL
124	THERESA LONG	16016 BABCOCK ST 191	SAN DIEGO CA 92127	RESIDENTIAL
125	MOHAMMAD RAFI AFSHAR	16016 BABCOCK ST 192	SAN DIEGO CA 92127	RESIDENTIAL
126	ENAYAT SHAMS	16016 BABCOCK ST 193	SAN DIEGO CA 92127	RESIDENTIAL
127	LAILA SEKANDER	16016 BABCOCK ST 194	SAN DIEGO CA 92127	RESIDENTIAL
128	JACQUELINE STEPAN	16016 BABCOCK ST 195	SAN DIEGO CA 92127	RESIDENTIAL
129	KENNETH LEE	16016 BABCOCK ST 196	SAN DIEGO CA 92127	RESIDENTIAL
130	MARIAM BETSUNAIDZE	16016 BABCOCK ST 197	SAN DIEGO CA 92127	RESIDENTIAL
131	VINCENT A LUNA	16016 BABCOCK ST 198	SAN DIEGO CA 92127	RESIDENTIAL
132	CORRINNE CUOMO	16016 BABCOCK ST 199	SAN DIEGO CA 92127	RESIDENTIAL
133	GULALAI MAJID	16016 BABCOCK ST 2	SAN DIEGO CA 92127	RESIDENTIAL
134	AGHDAS AHMADI	16016 BABCOCK ST 20	SAN DIEGO CA 92127	RESIDENTIAL
135	YASIR HAIDERZADA	16016 BABCOCK ST 200	SAN DIEGO CA 92127	RESIDENTIAL
136	FATEMA NEROMAND	16016 BABCOCK ST 201	SAN DIEGO CA 92127	RESIDENTIAL
137	YOUSSEF M AKRAM	16016 BABCOCK ST 202	SAN DIEGO CA 92127	RESIDENTIAL
138	SHAHILLA SAMIMI SEDEH	16016 BABCOCK ST 203	SAN DIEGO CA 92127	RESIDENTIAL
139	FARROKH SADEGHIGOVVAN	16016 BABCOCK ST 204	SAN DIEGO CA 92127	RESIDENTIAL
140	YI JUN LAI	16016 BABCOCK ST 21	SAN DIEGO CA 92127	RESIDENTIAL
141	BASIR MOOSA	16016 BABCOCK ST 22	SAN DIEGO CA 92127	RESIDENTIAL

142	QAIS SEKANDARY	16016 BABCOCK ST 23	SAN DIEGO CA 92127	RESIDENTIAL
143	NIDIA RODRIGUEZ	16016 BABCOCK ST 24	SAN DIEGO CA 92127	RESIDENTIAL
144	LAURA EGEE	16016 BABCOCK ST 25	SAN DIEGO CA 92127	RESIDENTIAL
145	NOAH C SCOTT	16016 BABCOCK ST 26	SAN DIEGO CA 92127	RESIDENTIAL
146	WILLIE BAILEY	16016 BABCOCK ST 27	SAN DIEGO CA 92127	RESIDENTIAL
147	KIM L TRAN	16016 BABCOCK ST 28	SAN DIEGO CA 92127	RESIDENTIAL
148	LILIYA AVANESOVA	16016 BABCOCK ST 29	SAN DIEGO CA 92127	RESIDENTIAL
149	NIKOLAJS NESINS	16016 BABCOCK ST 3	SAN DIEGO CA 92127	RESIDENTIAL
150	ERFAN TALEBI-ARDESTANI	16016 BABCOCK ST 30	SAN DIEGO CA 92127	RESIDENTIAL
151	TERRY BUCHANAN	16016 BABCOCK ST 31	SAN DIEGO CA 92127	RESIDENTIAL
152	ELNAZ KHODAEIGHEIDARI	16016 BABCOCK ST 32	SAN DIEGO CA 92127	RESIDENTIAL
153	SIHAM ALAYIAN	16016 BABCOCK ST 33	SAN DIEGO CA 92127	RESIDENTIAL
154	DENNIS TORRES	16016 BABCOCK ST 34	SAN DIEGO CA 92127	RESIDENTIAL
155	ASHRAF FOROOTAN	16016 BABCOCK ST 35	SAN DIEGO CA 92127	RESIDENTIAL
156	NANCY JOHNSTON	16016 BABCOCK ST 36	SAN DIEGO CA 92127	RESIDENTIAL
157	TEODORA E MARTINEZ PACHECO	16016 BABCOCK ST 37	SAN DIEGO CA 92127	RESIDENTIAL
158	FARHAD ZAFAR	16016 BABCOCK ST 38	SAN DIEGO CA 92127	RESIDENTIAL
159	DJASUR UZAKOV	16016 BABCOCK ST 39	SAN DIEGO CA 92127	RESIDENTIAL
160	REZA TOUR SAVADKOUHI	16016 BABCOCK ST 4	SAN DIEGO CA 92127	RESIDENTIAL
161	JAIME HERNANDEZ	16016 BABCOCK ST 40	SAN DIEGO CA 92127	RESIDENTIAL
162	RACHEL TAYLOR	16016 BABCOCK ST 41	SAN DIEGO CA 92127	RESIDENTIAL
163	GABRIELA L LOPEZ	16016 BABCOCK ST 42	SAN DIEGO CA 92127	RESIDENTIAL
164	DEREKA MOORE	16016 BABCOCK ST 43	SAN DIEGO CA 92127	RESIDENTIAL
165	MIR H SADAT	16016 BABCOCK ST 44	SAN DIEGO CA 92127	RESIDENTIAL
166	SAMANTHA DUNN	16016 BABCOCK ST 45	SAN DIEGO CA 92127	RESIDENTIAL
167	AFAGH FARSHAD TABRIZI	16016 BABCOCK ST 46	SAN DIEGO CA 92127	RESIDENTIAL
168	JESUS YVETTE MS MENDOZA	16016 BABCOCK ST 47	SAN DIEGO CA 92127	RESIDENTIAL
169	YELIZAVETA DUBASOVA	16016 BABCOCK ST 48	SAN DIEGO CA 92127	RESIDENTIAL
170	SAID A KAGHAZI	16016 BABCOCK ST 49	SAN DIEGO CA 92127	RESIDENTIAL
171	SVITLANA KORDIK	16016 BABCOCK ST 5	SAN DIEGO CA 92127	RESIDENTIAL
172	LINDA D EVANS	16016 BABCOCK ST 50	SAN DIEGO CA 92127	RESIDENTIAL
173	CHARLOTTE E BUTLER	16016 BABCOCK ST 51	SAN DIEGO CA 92127	RESIDENTIAL
174	MOHAMMAD AMIN	16016 BABCOCK ST 52	SAN DIEGO CA 92127	RESIDENTIAL
175	CITLALY BOJORGES	16016 BABCOCK ST 53	SAN DIEGO CA 92127	RESIDENTIAL
176	YAWAR HUSSAIN	16016 BABCOCK ST 54	SAN DIEGO CA 92127	RESIDENTIAL
177	AMY L ROSADO	16016 BABCOCK ST 55	SAN DIEGO CA 92127	RESIDENTIAL
178	NADERA ALEMI	16016 BABCOCK ST 56	SAN DIEGO CA 92127	RESIDENTIAL
179	PATRICIA J SOTO	16016 BABCOCK ST 57	SAN DIEGO CA 92127	RESIDENTIAL
180	NIKOLAY VOROBYEV	16016 BABCOCK ST 58	SAN DIEGO CA 92127	RESIDENTIAL
181	HELEN R GARCIA	16016 BABCOCK ST 59	SAN DIEGO CA 92127	RESIDENTIAL
182	ERAJ PANAH	16016 BABCOCK ST 6	SAN DIEGO CA 92127	RESIDENTIAL
183	NIKOLAY AVANESOV	16016 BABCOCK ST 60	SAN DIEGO CA 92127	RESIDENTIAL
184	WAEEL KANJ	16016 BABCOCK ST 61	SAN DIEGO CA 92127	RESIDENTIAL
185	PAT DORRELL	16016 BABCOCK ST 62	SAN DIEGO CA 92127	RESIDENTIAL
186	IVAN SHCHEGOLKIN	16016 BABCOCK ST 63	SAN DIEGO CA 92127	RESIDENTIAL
187	MOHAMMAD ZAREI	16016 BABCOCK ST 64	SAN DIEGO CA 92127	RESIDENTIAL
188	DANIEL HART III	16016 BABCOCK ST 65	SAN DIEGO CA 92127	RESIDENTIAL
189	LUBNA ODEEH	16016 BABCOCK ST 66	SAN DIEGO CA 92127	RESIDENTIAL
190	MYUNGNAM MR LEE	16016 BABCOCK ST 67	SAN DIEGO CA 92127	RESIDENTIAL
191	NASEEMA AFSHAR	16016 BABCOCK ST 69	SAN DIEGO CA 92127	RESIDENTIAL
192	GRETTA MR GINDIN	16016 BABCOCK ST 7	SAN DIEGO CA 92127	RESIDENTIAL
193	NEELO RAYMAN	16016 BABCOCK ST 70	SAN DIEGO CA 92127	RESIDENTIAL
194	MELINDA TIDBALL	16016 BABCOCK ST 71	SAN DIEGO CA 92127	RESIDENTIAL
195	DAVID FUENTES	16016 BABCOCK ST 72	SAN DIEGO CA 92127	RESIDENTIAL
196	ROSA CLARK	16016 BABCOCK ST 73	SAN DIEGO CA 92127	RESIDENTIAL
197	WIVINE OUAPOU	16016 BABCOCK ST 74	SAN DIEGO CA 92127	RESIDENTIAL
198	ASSAD PAYMAN	16016 BABCOCK ST 75	SAN DIEGO CA 92127	RESIDENTIAL
199	NAHID ASGHARLOO	16016 BABCOCK ST 76	SAN DIEGO CA 92127	RESIDENTIAL
200	DEBRA RIVERA	16016 BABCOCK ST 77	SAN DIEGO CA 92127	RESIDENTIAL
201	KADRINA COFFEE	16016 BABCOCK ST 78	SAN DIEGO CA 92127	RESIDENTIAL
202	SHAUNTRECE MORRIS	16016 BABCOCK ST 79	SAN DIEGO CA 92127	RESIDENTIAL
203	MARIA G BOJORGES JIMENEZ	16016 BABCOCK ST 8	SAN DIEGO CA 92127	RESIDENTIAL
204	AMER SARSAM	16016 BABCOCK ST 80	SAN DIEGO CA 92127	RESIDENTIAL
205	SERGEY SYSOYEV	16016 BABCOCK ST 81	SAN DIEGO CA 92127	RESIDENTIAL
206	CHRISTINA M RILEY	16016 BABCOCK ST 82	SAN DIEGO CA 92127	RESIDENTIAL
207	JESSICA RAMIREZ	16016 BABCOCK ST 83	SAN DIEGO CA 92127	RESIDENTIAL
208	ANNA TUNIYANTS	16016 BABCOCK ST 84	SAN DIEGO CA 92127	RESIDENTIAL
209	MOHAMMAD NADER RAJAB	16016 BABCOCK ST 85	SAN DIEGO CA 92127	RESIDENTIAL
210	ABDUL BASIR	16016 BABCOCK ST 86	SAN DIEGO CA 92127	RESIDENTIAL
211	DAWN GONZALES	16016 BABCOCK ST 87	SAN DIEGO CA 92127	RESIDENTIAL
212	SHEREEN LOTFALLA	16016 BABCOCK ST 88	SAN DIEGO CA 92127	RESIDENTIAL

213	ERICA HANLEY	16016 BABCOCK ST 89	SAN DIEGO CA 92127	RESIDENTIAL
214	AHMAD W AMIN	16016 BABCOCK ST 9	SAN DIEGO CA 92127	RESIDENTIAL
215	ALEXEY DURKIN	16016 BABCOCK ST 90	SAN DIEGO CA 92127	RESIDENTIAL
216	IRINA TOSCHEVA	16016 BABCOCK ST 91	SAN DIEGO CA 92127	RESIDENTIAL
217	SUE JACOBS	16016 BABCOCK ST 92	SAN DIEGO CA 92127	RESIDENTIAL
218	TANG SHIUJEN WU	16016 BABCOCK ST 93	SAN DIEGO CA 92127	RESIDENTIAL
219	KAREN MR MARTIROSYAN	16016 BABCOCK ST 94	SAN DIEGO CA 92127	RESIDENTIAL
220	LINH M LE	16016 BABCOCK ST 95	SAN DIEGO CA 92127	RESIDENTIAL
221	RAYISA ZAKHAROVA	16016 BABCOCK ST 96	SAN DIEGO CA 92127	RESIDENTIAL
222	ERIN KELLY	16016 BABCOCK ST 97	SAN DIEGO CA 92127	RESIDENTIAL
223	ANZELA STEPANOVA	16016 BABCOCK ST 98	SAN DIEGO CA 92127	RESIDENTIAL
224	TAYLOR HUTCHINSON	16016 BABCOCK ST 99	SAN DIEGO CA 92127	RESIDENTIAL
225	T F W CONSTRUCTION	16016 BABCOCK ST TP1	SAN DIEGO CA 92127	COMMERCIAL
226	RAJANIKANT BHATT	16031 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
227	MARY M HUPP	16032 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
228	THOMAS SWANSON	16033 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
229	ASHILLEY FERGUSON	16037 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
230	KIRAN VANGANURU	16038 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
231	DENNIS G BAUER	16039 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
232	MARK OSBORN	16041 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
233	FRANK FURNARI	16042 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
234	KIMBERLY PAIVA	16043 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
235	RALPH GONZALEZ	16049 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
236	LISA EAGAN	16050 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
237	SANG-JUNE PARK	16051 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
238	SHERRI CHARLTON	16054 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
239	VRUNAL K CHANDAK	16057 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
240	REEMA SHAH	16058 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
241	JAMES FRYE	16059 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
242	ROBERT SEIDENWURM	16063 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
243	JEFFREY LANE	16064 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
244	TAO ZHANG	16065 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
245	DAVID KEOGH	16067 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
246	BRIAN AMAN	16068 FAIR HILL	SAN DIEGO CA 92127	RESIDENTIAL
247	MOHAMMED SYED	16069 BEDFORD HILL	SAN DIEGO CA 92127	RESIDENTIAL
248	BLACK MOUNTAIN RANCH LLC C/O CALATLANTIC HOMES	16465 VIA ESPRILLO #105	SAN DIEGO CA 92127	67869065
249	BHATT NEHA	2950 VAN NESS ST NW #519	WASHINGTON DC 20008	26734056
250	MITCHELL REPAIR INFORMATION COMPANY LLC	4380 LA JOLLA VILLAGE DR #110	SAN DIEGO CA 92122	67869063
251	REEL FAMILY TRUST C/O MICHAEL REEL	564 RED MAPLE DR	MANDEVILLE LA 70448	26734047
252	C I C FAIRBANKS L P	6339 PASEO DEL LAGO	CARLSBAD CA 92011	26727008
253	JAY ALVAREZ	9102 BERNARDO LAKES DR	SAN DIEGO CA 92127	RESIDENTIAL
254	MICHAEL S REFERMAT	9105 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
255	EVI A HAUX	9106 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
256	DEANA MERCURIO	9117 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
257	HEATHER AUNE	9118 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
258	CARMINE MANNINO	9129 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
259	TIMOTHY TODD	9130 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
260	MICHAEL SADAGH	9141 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
261	JULIE RYU	9142 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
262	STEVE L MONIS	9153 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
263	TED MALHAM	9154 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
264	JIMMY WANG	9165 WHITE ALDER CT	SAN DIEGO CA 92127	RESIDENTIAL
265	ANDREW BIERI	9203 FOSTORIA CT	SAN DIEGO CA 92127	RESIDENTIAL
266	CONRAD SKYLA SPECIAL NEEDS TRUST C/O LERETA-TX OPS	P O BOX 35605	DALLAS TX 75235	26734055
267	N A H TRUST	P O BOX 5010	RCHO SANTA FE CA 92067	26734069
268	J A G MONTENERO MANAGEMENT LLC	PO BOX 5010 PMB 227	RCHO SANTA FE CA 92067	26734045
269	LESLIE MCFADDEN C/O KP ENVIRONMENTAL	5626 S SAILORS REEF RD	TEMPE AZ 85283	
270	CITY OF SAN DIEGO COMMUNICATIONS DEPT	202 C ST 4TH FLR	SAN DIEGO CA 92101	COMMERCIAL
271	COUNTY OF SAN DIEGO COMMUNICATIONS OFFICE	1600 PACIFIC HWY ROOM 208	SAN DIEGO CA 92101	67842101
272	SDCWA	4677 OVERLAND AVE	SAN DIEGO CA 92123	COMMERCIAL
273	RANCHO SANTA FE COMMUNITY SERVICES DISTRICT	605 THIRD STREET	ENCINITAS CA 92024	26706032
274	SAN DIEGO COUNTY SHERIFF'S DEPT	10282 RANCHO BERNARDO RD	SAN DIEGO CA 92127	
275	RANCHO SANTA FE FIRE DISTRICT	16930 FOUR GEE RD	SAN DIEGO CA 92127	
276	RANCHO SANTA FE FIRE PROTECTION DISTRICT	P O BOX 410	RANCHO SANTA FE CA 92067	
277	REGENTS OF THE UNIV OF CA C/O ENV & NAT RESOURCES DEPT	1111 FRANKLIN ST	OAKLAND CA 94607	67869070
278	DEL SUR COMMUNITY ASSN C/O CALATLANTIC HOMES	16465 VIA ESPRILLO #105	SAN DIEGO CA 92127	67868651
279	DEL SUR COMMUNITY ASSN C/O MERIT PROP MGMT	1 POLARIS WAY #100	ALISO VIEJO CA 92656	COMMERCIAL
280	BEL ETAGE-SAVENNA HOA C/O BERNARDO LAKES-SD LP	4141 JUTLAND DR #200	SAN DIEGO CA 92117	67841017
281	BEL ETAGE-SAVENNA HOA C/O PROFESSIONAL COMMITY MGMT	906 SYCAMORE AVE #201	VISTA CA 92081	67841233
282	BEL ETAGE-SAVENNA HOA	9009 BERNARDO LAKES DR	SAN DIEGO CA 92127	COMMERCIAL