

TRANSFORMER OIL PROCESSING NIGHTTIME NOISE AND NUISANCE REDUCTION PLAN

ARTESIAN 230 kV SUBSTATION EXPANSION PROJECT

REV01

Prepared on:

August 14, 2020

Prepared for:



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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	Transformer Oil Processing Nighttime Nuisance and Noise
Plan	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. 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 is 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 a total period of approximately 48 hours. This includes equipment operation outside of allowable construction hours for the City of San Diego (i.e., 7am to 7pm, Monday through Saturday).

1.1 PROJECT LOCATION

The 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 would involve facilities located within existing ROW, franchise position (city/county roadways), and SDG&E fee-owned property.

The 230/69kV transformer is being stored at the existing Artesian Substation, in the approximate location as shown on Figure 2 in Appendix A. The oil processing procedure will take place at this location.

1.2 PROJECT DESCRIPTION

The Proposed 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;
- 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 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 Oil Processing Plan is to minimize noise and general nuisance from the oil processing of the 230/69kV 224 MVA transformer at the Artesian Substation Site, in compliance with Project Mitigation Measures. The new 230/69kV Transformer for the Project is being temporarily staged inside the existing 69/12kV Artesian Substation until its pad is constructed. In order to comply with manufacturer warranties for the transformer, the transformer must be filled with transformer oil within 6 months of the date of manufacture, which occurred in late March 2020.

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 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 ¹

- 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

¹ 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 APPLICABLE APMS

There are no applicable Applicant Proposed Measures (APMs) for this Plan.

3.3 OTHER APPLICABLE REQUIREMENTS

In addition to the applicable Project MMs described above, this Oil Processing 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 the Project; oil processing for one 230/69kV transformer at the Artesian Substation site (western parcel). SDG&E considers this process as an aspect of substation operations because the process is conducted within the existing substation and is a requirement of new substation equipment and is not always associated with a construction project. SDG&E has provided a courtesy notice to the City of San Diego and requested that the City notify SDG&E if any permits or other City action was required for completion of this process (refer to Section 3.3.3 below and Appendix B). 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 IS/MND for the Project outlines the City of San Diego Noise Ordinance, which allows construction activities to occur between the hours of 7am and 7pm, Monday through Saturday, excluding holidays (San Diego Noise Code Section 59.5.0401 and IS/MND, page 3.13-8).

In addition, the City of San Diego Noise Ordinance includes allowable noise limits for different times of day, as described in the IS/MND (see IS/MND Table 13.3-2 below). The Artesian

Substation site, where the oil processing will take place, is surrounded by commercial land uses to the east, multi-family residential to the south (closest noise sensitive receptors), SDG&E powerline and transmission line ROW to the west (with single-family residential to the west of the SDG&E ROW), and transportation - Camino del Sur road to the north (with powerline ROW and single-family residential to the north of Camino del Sur).

**TABLE 3.13-2
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.	40
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.	45
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.	60
5. Industrial or Agricultural	Any time	75

SOURCE: City of San Diego Municipal Code, Table 36.404

(source: IS/MND Table 13.3-2)

Therefore, the applicable nighttime noise standards for the Artesian Substation site is 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.

3.3.3 Required Permits and Agency Approvals

The Artesian Substation site is located within the City of San Diego and is therefore subject to the City's Noise Code. SDG&E sent notification to the City of San Diego project inspector detailing the Transformer Oil Processing Activities. SDG&E has requested the City Inspector's concurrence that a Noise Permit (i.e., temporary variance from the Noise Code) is not required for this standard operating procedure. The City has not responded to SDG&E's request, which has been sent on two separate occasions (July 28, 2020 with follow-up on August 6, 2020). Copies of the correspondence have been included as Appendix B of this Plan.

3.3.4 Compliance with the Project Diesel Equipment Tracking Plan

The Oil Processing procedure will comply with MM AIR-1 and HAZ-1, which requires off-road diesel construction equipment to be tracked pursuant to the Diesel Equipment Tracking Plan (DETP). Specifically, the generator and manlift are diesel powered and are subject to the DETP. SDG&E will submit specifications for this equipment prior to use on site, and will track the hours of use while onsite. This information will be submitted to CPUC as outlined in the DETP.

3.3.5 Compliance with the Project Construction Fire Prevention Plan

The oil processing will be conducted in compliance with the Project's Construction Fire Prevention Plan (CFPP), which was prepared pursuant to MM HAZ-2. Based on the location (within an existing fenced substation with no vegetation or other fuel) and the nature of the work (i.e., low risk work – operation of combustion engines), the oil processing work would be allowed to continue during a red flag warning, with the inclusion of proper mitigation (refer to the Artesian CFPP, Attachment 1, Row 7 [combustion engines]). SDG&E monitors weather forecasts, and would take into account potential Red Flag fire conditions prior to starting the oil processing procedure.

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 (i.e., Bank 70).

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 enclosed within the Oil Processing Rig. The oil processing rig is operated during the entire process, although the various pumps are only active 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.

Equipment	Function	Noise Emissions at Night
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 Bank 70 Oil Processing will use a combination of standard and project-specific processes 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 were below applicable local thresholds (Meridian, 2020). This is also consistent with SDG&E's general experience performing this process. 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

As described above, the Bank 70 transformer is being temporarily stored within the boundaries of the existing Artesian 69/12kV substation. The existing substation is surrounded with solid masonry block wall, and by graded slopes on the southern boundary. The existing masonry block wall is 10- to 16-feet tall, and would shield noise emissions in every direction, but especially to the south where the closest noise sensitive land uses are located (apartment complex) and where the wall is 16 feet tall. In addition, the topography slopes up above the substation wall to the south, providing additional noise shielding in the southerly direction.

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 on top of the existing substation block wall and vegetated slope.

With implementation of existing sound barriers as well as the Noise emissions from oil processing equipment (portable generator and oil processing rig) are not anticipated 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 10pm and 7am, as follows (refer to Appendices A and C).

1. Multi-family residences to the south (125 feet south to the property line and 210 feet to the residential structures). Maximum noise emissions (Leq) at 125 feet is 44.5 dBA (residential property line) and 39.9 dBA at the residential structures (210 feet).
2. Single-family residences to the west and north (over 500 feet to the residential properties). Maximum noise emissions at 500 feet is 32.4 dBA.

4.2.3 Avoid Noise Sensitive Land Uses

The oil processing equipment will be placed as far from noise sensitive land uses 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 will send out notifications to residents within 600 feet² of the Artesian Substation site where the transformer will be delivered. In compliance with MM NV-2, the notices shall include 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. SDG&E will provide a copy of the notification and mailing list to the CPUC prior to commencement of the oil processing (the notification and mailing list are included as Appendix D).

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),
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.

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² 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.

5.0 REFERENCES

- California Public Utilities Commission. San Diego Gas & Electric Company's Artesian 230kV Substation Expansion Project Final Initial Study/Mitigated Negative Declaration, March 2019. Accessed Online: http://www.cpuc.ca.gov/environment/info/esa/artesian/pdf/SDGE_Artesian_FMND_031919.pdf.
- Meridian Consultants. Construction Noise Measurements for the South Orange County Reliability Enhancement Project; San Juan Capistrano Substation Noise Monitoring, May 2020.
- San Diego Gas & Electric Company. Artesian 230kV Substation Expansion Project Construction Fire Prevention Plan, September 2019.
- San Diego Gas & Electric Company. Artesian 230kV Substation Expansion Project Diesel Equipment Tracking Plan (Rev.01), September 2019.

APPENDIX A

Figures



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Artesian 230kV Substation Expansion Project

Figure 1

Vicinity Map

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 Lines¹
- Staging & Storage Yard
- Incorporated Cities of San Diego County

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



A Sempra Energy utility



0 1.5 3 Miles

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

Correspondence with the City of San Diego

Taylor, Joshua D.

From: Cuppage, Keri A <KCuppage@sdge.com>
Sent: Tuesday, July 28, 2020 11:54 AM
To: Karsi, Elif (EKarsi@sandiego.gov)
Cc: Petersen, Irina; Gates, Thomas; Jim Dermody; Meeks, Joseph D.; Padilla, Jamie J; Baldwin, John; Taylor, Joshua D.; Laurie Gorman
Subject: Artesian Substation - Transformer Oil Processing

Good Afternoon Elif,

As part of the Artesian Substation Expansion project, a new 230/69kV Transformer was delivered to the site.

The new 230/69kV Transformer for the Project is being temporarily staged inside the existing 69/12kV Artesian Substation until its foundation and concrete pad is constructed. The existing Artesian Substation is surrounded by 10 – 15 foot masonry block walls. In order to comply with manufacturer warranties for the transformer, the transformer must be filled with transformer oil within 6 months of delivery.

The Artesian Substation site, where the oil processing will take place, is surrounded by commercial land uses to the east, multi-family residential to the south (closest noise sensitive receptors), SDG&E powerline and transmission line ROW to the west (with single-family residential to the west of the SDG&E ROW), and transportation - Camino del Sur road to the north (with powerline ROW and single-family residential to the north of the Camino del Sur). Therefore, the applicable nighttime noise standards for the Artesian Substation site is 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.

Transformer oil processing is a manufacturer mandatory requirement for all new Substation transformers. SDG&E has been performing this operation for all Substations where a new transformer is being delivered or replaced. SDG&E considers as one of our standard operating procedures inside the existing substation, a Noise Permit (i.e., variance from the Noise Code) is not required because the noise emissions from the oil processing procedure are not expected to exceed the applicable nighttime noise limits, as follows:

1. Multi-family residences to the south (125 feet south to the property line and 210 feet to the residential structures). Maximum noise emissions at 125 feet is 44 dBA (residential property line) and 39.5 dBA at the residential structures (210 feet).
2. Single-family residences to the west and north (over 500 feet to the residential properties). Maximum noise emissions at 500 feet is 32 dBA.

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. The oil processing rig is operated during the entire 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	Holds 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.

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)
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 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.

The transformer Oil Processing will use a combination of standard and project-specific processes 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. 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. Avoid noise sensitive land uses as much as possible.
3. Notify residents within 500 feet.
4. Limit the work occurring at night as much as possible.
5. Limit crew size as much as possible.

SDG&E (Artesian Substation Project Team) is providing this notification to the City of San Diego Inspector and is requesting concurrence that a noise variance permit is not required for this activity.

Kindest Regards,

Keri Cuppage, CPM

Sr. Environmental Compliance Spc.

8315 Century Park Ct., MS CP21E

San Diego, CA 92123

(O) 858-650-6198

(M) 619-372-1602

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From: Cuppage, Keri A <KCuppage@sdge.com>
Sent: Thursday, August 6, 2020 3:31 PM
To: Karsi, Elif (EKarsi@sandiego.gov)
Cc: Petersen, Irina; Gates, Thomas; Jim Dermody; Meeks, Joseph D.; Padilla, Jamie J; Baldwin, John; Taylor, Joshua D.; Laurie Gorman
Subject: RE: Artesian Substation - Transformer Oil Processing

Good Afternoon Elif,

I wanted to follow up on the email I sent to you last Tuesday July 28, regarding the nighttime substation oil processing we will be performing on our transformer.

As stated below, SDG&E does not believe this type of activity requires a City Noise Variance permit.

We will be proceeding with the oil processing as detailed.

If you have any questions or concerns please let me know.

Kindest Regards,

Keri Cuppage, CPM

Sr. Environmental Compliance Spc.

(M) 619-372-1602

kcuppage@sdge.com

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The new 230/69kV Transformer for the Project is being temporarily staged inside the existing 69/12kV Artesian Substation until its foundation and concrete pad is constructed. The existing Artesian Substation is surrounded by 10 – 15 foot masonry block walls. In order to comply with manufacturer warranties for the transformer, the transformer must be filled with transformer oil within 6 months of delivery.

The Artesian Substation site, where the oil processing will take place, is surrounded by commercial land uses to the east, multi-family residential to the south (closest noise sensitive receptors), SDG&E powerline and transmission line ROW to the west (with single-family residential to the west of the SDG&E ROW), and transportation - Camino del Sur road to the north (with powerline ROW and single-family residential to the north of the Camino del Sur). Therefore, the applicable

nighttime noise standards for the Artesian Substation site is 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.

Transformer oil processing is a manufacturer mandatory requirement for all new Substation transformers. SDG&E has been performing this operation for all Substations where a new transformer is being delivered or replaced. SDG&E considers as one of our standard operating procedures inside the existing substation, a Noise Permit (i.e., variance from the Noise Code) is not required because the noise emissions from the oil processing procedure are not expected to exceed the applicable nighttime noise limits, as follows:

1. Multi-family residences to the south (125 feet south to the property line and 210 feet to the residential structures). Maximum noise emissions at 125 feet is 44 dBA (residential property line) and 39.5 dBA at the residential structures (210 feet).
2. Single-family residences to the west and north (over 500 feet to the residential properties). Maximum noise emissions at 500 feet is 32 dBA.

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. The oil processing rig is operated during the entire 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	Holds 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.

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.

The transformer Oil Processing will use a combination of standard and project-specific processes 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. 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. Avoid noise sensitive land uses as much as possible.
3. Notify residents within 500 feet.
4. Limit the work occurring at night as much as possible.
5. Limit crew size as much as possible.

SDG&E (Artesian Substation Project Team) is providing this notification to the City of San Diego Inspector and is requesting concurrence that a noise variance permit is not required for this activity.

Kindest Regards,

Keri Cuppage, CPM

Sr. Environmental Compliance Spc.

8315 Century Park Ct., MS CP21E

San Diego, CA 92123

(O) 858-650-6198

(M) 619-372-1602

kcuppage@sdge.com

APPENDIX C

Noise Emission Estimates

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 8/14/2020

Case Description: Multi-family Residences - South

		---- Receptor #1 ----													
		Baselines (dBA)													
Description	Land Use	Daytime	Evening	Night											
Nearest Recept	Residential	50	45	40											
		Equipment													
		Impact		Spec	Actual	Receptor	Estimated								
		Device	Usage(%)	Lmax	Lmax	Distance	Shielding								
Description				(dBA)	(dBA)	(feet)	(dBA)								
Generator (Artesian)		No	100			72	210	20							
Oil Pump (Artesian)		No	100			62	210	20							
		Results													
		Calculated (dBA)			Noise Limits (dBA)				Noise Limit Exceedance (dBA)						
				Day	Evening		Night		Day		Evening		Night		
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Generator (Artesian)		39.5	39.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil Pump (Artesian)		29.5	29.5	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		39.5	39.9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
		*Calculated Lmax is the Loudest value.													

*Calculated Lmax is the Loudest value.

Generator spec:

<https://s7d2.scene7.com/is/content/Caterpillar/C10862742>

Pump spec:

<https://www.idealvac.com/Oerlikon-Leybold-E-Series-E250-Single-Stage-Rotary-Piston-Vacuum-Pump/pp/P105450>

Roadway Construction Noise Model (RCNM), Version 1.1

Report date: 8/14/2020

Case Description: Single-family Residential Receptors - West & North

		---- Receptor #1 ----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Recept	Residential	50	45	40

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

Equipment	Results													
	Calculated (dBA)			Noise Limits (dBA)						Noise Limit Exceedance (dBA)				
	*Lmax	Leq	Day	Evening			Night			Day	Evening		Night	
				Lmax	Leq	Lmax	Leq	Lmax	Leq		Lmax	Leq		
Generator (Artesian)	32	32	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil Pump (Artesian)	22	22	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	32.4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Generator spec: <https://s7d2.scene7.com/is/content/Caterpillar/C10862742>

Pump spec: <https://www.idealvac.com/Oerlikon-Leybold-E-Series-E250-Single-Stage-Rotary-Piston-Vacuum-Pump/pp/P105450>

Roadway Construction Noise Model (RCNM),Version 1.1

Report date: 8/14/2020

Case Description: Property Line - South

		----- Receptor #1 -----		
		Baselines (dBA)		
Description	Land Use	Daytime	Evening	Night
Nearest Receptor	Residential	50	45	40

		Equipment				
		Impact	Spec	Actual	Receptor	Estimated
Description	Device	Usage(%)	Lmax (dBA)	Lmax (dBA)	Distance (feet)	Shielding (dBA)
Generator (Artesian)	No	100			72	125
Oil Pump (Artesian)	No	100			62	125

		Results													
		Calculated (dBA)				Noise Limits (dBA)				Noise Limit Exceedance (dBA)					
				Day		Evening		Night		Day		Evening		Night	
Equipment		*Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq	Lmax	Leq
Generator (Artesian)		44	44	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Oil Pump (Artesian)		34	34	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		44	44.5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

*Calculated Lmax is the Loudest value.

Generator spec: <https://s7d2.scene7.com/is/content/Caterpillar/C10862742>

Pump spec: <https://www.idealvac.com/Oerlikon-Leybold-E-Series-E250-Single-Stage-Rotary-Piston-Vacuum-Pump/pp/P105450>

APPENDIX D

Residential Notification Letter and Mailing List



Todd Voorhees
Regional Public Affairs Manager

8326 Century Park Court
San Diego, CA 92123

tvoorhees@sdge.com

August 14, 2020

Dear Resident or Property Owner:

The California Public Utilities Commission (CPUC) has granted San Diego Gas and Electric (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.

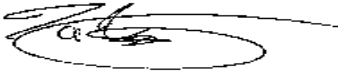
As part of construction activities, night work will be required at the existing substation site to prepare new substation equipment (i.e., electrical transformer) for ultimate use on the Project.

Location:	16001 Camino del Sur, San Diego, 92127
Activities:	Fill new transformer with transformer oil
Work Dates:	Monday, August 17 through Wednesday, August 19 2020
Hours:	Overnight (7pm – 7am) each night

The work on site may increase noise levels and other disturbances within the existing substation site. 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.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Todd Voorhees', with a long horizontal flourish extending to the right.

Todd Voorhees
Regional Public Affairs Manager
San Diego Gas & Electric

COUNT	CUSTOMER NAME	ADDRESS	
	JON BECKER, BLACK MTN RANCH COMM PLNG GRP CHAIR	rppb.chair@gmail.com	Meets 1st Wed, 7:30pm
	ROBIN KAUFMAN, RANCHO BERNARDO COMM PLNG GRP CHAIR	rbpbchair@gmail.com	Meets 3rd Thurs, 7:00pm
1	WANG JIMMY IGEN & MELANIE NGUYEN	10432 RESERVE DR #110	SAN DIEGO CA 92127
2	MARANATHA CHAPEL	10752 COASTWOOD RD	SAN DIEGO CA 92127
3	CHAN FAMILY TRUST	15493 TANNER RIDGE RD	SAN DIEGO CA 92127
4	LIE FAMILY TRUST	157 N WORTHY DR	GLENDORA CA 91741
5	MARISOL GRAMLICH	15868 VIA MONTENERO	SAN DIEGO CA 92127
6	TIM ZUBROD	15876 VIA MONTENERO	SAN DIEGO CA 92127
7	BEATRIZ A HANLEY	15878 PASEO DEL SUR	SAN DIEGO CA 92127
8	ELINA BEGELMAN	15880 VIA MONTENERO	SAN DIEGO CA 92127
9	STEVE DAVIS	15881 CONCORD RIDGE TER	SAN DIEGO CA 92127
10	CHRISTINE K TAYLOR	15882 PASEO DEL SUR	SAN DIEGO CA 92127
11	JOSH CALDWELL	15884 VIA MONTENERO	SAN DIEGO CA 92127
12	NAGAMALLESWARA RAO GANJI	15885 CONCORD RIDGE TER	SAN DIEGO CA 92127
13	KAI LIAO	15886 PASEO DEL SUR	SAN DIEGO CA 92127
14	KATIE LOUISE REEL	15888 VIA MONTENERO	SAN DIEGO CA 92127
15	KELLY OSBORNE	15889 CONCORD RIDGE TER	SAN DIEGO CA 92127
16	HIMANSHU KHATRI	15890 PASEO DEL SUR	SAN DIEGO CA 92127
17	MR CARY M CHESHIRE	15892 VIA MONTENERO	SAN DIEGO CA 92127
18	KRISTEN TEETER	15894 PASEO DEL SUR	SAN DIEGO CA 92127
19	ARUL SUBBARAYAN	15895 CONCORD RIDGE TER	SAN DIEGO CA 92127
20	CHAD ROSS	15896 VIA MONTENERO	SAN DIEGO CA 92127
21	JOSHUA NUSSBAUM	15898 PASEO DEL SUR	SAN DIEGO CA 92127
22	SHAMROZE SAYED	15899 CONCORD RIDGE TER	SAN DIEGO CA 92127
23	CHRISTINA NGOC NGUYEN	16016 BABCOCK ST 1	SAN DIEGO CA 92127
24	LILIANA YATES	16016 BABCOCK ST 10	SAN DIEGO CA 92127
25	HOMA FARVIN	16016 BABCOCK ST 100	SAN DIEGO CA 92127
26	SALEHA LALMOHAMAD	16016 BABCOCK ST 101	SAN DIEGO CA 92127
27	ELINA PETROSOVA	16016 BABCOCK ST 102	SAN DIEGO CA 92127
28	CINDY TENTSCHERT	16016 BABCOCK ST 103	SAN DIEGO CA 92127
29	HOSSEIN FALLAH	16016 BABCOCK ST 104	SAN DIEGO CA 92127
30	ILYA BELOV	16016 BABCOCK ST 105	SAN DIEGO CA 92127
31	JADA HORNE	16016 BABCOCK ST 106	SAN DIEGO CA 92127
32	GETOWA MCGHEE	16016 BABCOCK ST 107	SAN DIEGO CA 92127
33	AMBER SERRATOS	16016 BABCOCK ST 108	SAN DIEGO CA 92127
34	CIC FAIRBANKS LP	16016 BABCOCK ST 109	SAN DIEGO CA 92127
35	HEIDAR AMIRIABARGHOUI	16016 BABCOCK ST 11	SAN DIEGO CA 92127
36	MOUNZER SHOUCAIR	16016 BABCOCK ST 110	SAN DIEGO CA 92127
37	MALALAI NASERY	16016 BABCOCK ST 111	SAN DIEGO CA 92127
38	NINO KOVACIC	16016 BABCOCK ST 112	SAN DIEGO CA 92127
39	MARYA EBRAHIMI	16016 BABCOCK ST 113	SAN DIEGO CA 92127
40	ELLE STOKES	16016 BABCOCK ST 114	SAN DIEGO CA 92127
41	SHERILL B HARRISON	16016 BABCOCK ST 115	SAN DIEGO CA 92127
42	VINNETTE M COLE	16016 BABCOCK ST 116	SAN DIEGO CA 92127
43	SUSANNA G PETROSOVA	16016 BABCOCK ST 117	SAN DIEGO CA 92127
44	MADINA SMAGULOVA	16016 BABCOCK ST 118	SAN DIEGO CA 92127
45	KELLY FIORITO	16016 BABCOCK ST 119	SAN DIEGO CA 92127
46	FAINA PASTERNAK	16016 BABCOCK ST 12	SAN DIEGO CA 92127
47	XIAO ZHU YU	16016 BABCOCK ST 120	SAN DIEGO CA 92127

COUNT	CUSTOMER NAME	ADDRESS	
48	MARISSA COLLINS	16016 BABCOCK ST 121	SAN DIEGO CA 92127
49	ANGELICA COBARRUBIAS	16016 BABCOCK ST 122	SAN DIEGO CA 92127
50	VENIAMIN SYSOIEV	16016 BABCOCK ST 123	SAN DIEGO CA 92127
51	JAMIE M MCDONALD	16016 BABCOCK ST 124	SAN DIEGO CA 92127
52	SUZAN ALAYIAN	16016 BABCOCK ST 125	SAN DIEGO CA 92127
53	JACKI MANLEY	16016 BABCOCK ST 126	SAN DIEGO CA 92127
54	PRISCILLA G MILLER	16016 BABCOCK ST 128	SAN DIEGO CA 92127
55	MILINDA MODROW	16016 BABCOCK ST 129	SAN DIEGO CA 92127
56	A KATHY GARCIA	16016 BABCOCK ST 13	SAN DIEGO CA 92127
57	ROSA J BOJORGES	16016 BABCOCK ST 130	SAN DIEGO CA 92127
58	SHAHNAZ ANSARI	16016 BABCOCK ST 131	SAN DIEGO CA 92127
59	GEORGE ROYTMAN	16016 BABCOCK ST 132	SAN DIEGO CA 92127
60	MUDHAFFER ALAMAR	16016 BABCOCK ST 133	SAN DIEGO CA 92127
61	KEVIN MORRIS	16016 BABCOCK ST 134	SAN DIEGO CA 92127
62	RENE D GOMEZ	16016 BABCOCK ST 135	SAN DIEGO CA 92127
63	AHMAD KAZEM	16016 BABCOCK ST 136	SAN DIEGO CA 92127
64	SOURAYA SHOUCAIR	16016 BABCOCK ST 137	SAN DIEGO CA 92127
65	HAMIDA KARIMI	16016 BABCOCK ST 138	SAN DIEGO CA 92127
66	SIDEEQA NOOMANI	16016 BABCOCK ST 139	SAN DIEGO CA 92127
67	NILOOFAR EMAMI	16016 BABCOCK ST 14	SAN DIEGO CA 92127
68	MITRA JAVADZADEHPOUR	16016 BABCOCK ST 140	SAN DIEGO CA 92127
69	NEMATULLA BAHAR	16016 BABCOCK ST 141	SAN DIEGO CA 92127
70	NADIA GALASH	16016 BABCOCK ST 142	SAN DIEGO CA 92127
71	REGINA HAKIMI	16016 BABCOCK ST 143	SAN DIEGO CA 92127
72	OZZIE IBRAHIMI	16016 BABCOCK ST 144	SAN DIEGO CA 92127
73	GENN VEZEL	16016 BABCOCK ST 145	SAN DIEGO CA 92127
74	SEPIDEH AFSHARKHAREHGHAN	16016 BABCOCK ST 146	SAN DIEGO CA 92127
75	AFSANEH MALAYERI	16016 BABCOCK ST 147	SAN DIEGO CA 92127
76	STEPHEN MOREY	16016 BABCOCK ST 148	SAN DIEGO CA 92127
77	SAEID SALIMITARI	16016 BABCOCK ST 149	SAN DIEGO CA 92127
78	SADAF SIDDIQI	16016 BABCOCK ST 15	SAN DIEGO CA 92127
79	ELHAM AHMADI	16016 BABCOCK ST 150	SAN DIEGO CA 92127
80	SIMA MORSHEDIAN TAHBAZ	16016 BABCOCK ST 151	SAN DIEGO CA 92127
81	MASOUD FOROTANRAD	16016 BABCOCK ST 152	SAN DIEGO CA 92127
82	RAMZI SHOUCAIR	16016 BABCOCK ST 153	SAN DIEGO CA 92127
83	KHALED ALEM	16016 BABCOCK ST 154	SAN DIEGO CA 92127
84	DEVIN SAUNDERS	16016 BABCOCK ST 155	SAN DIEGO CA 92127
85	MEHRDAD RAMESHI	16016 BABCOCK ST 156	SAN DIEGO CA 92127
86	DZMITRI SHANKOU	16016 BABCOCK ST 157	SAN DIEGO CA 92127
87	KHADIJEH SARAH REZAEI	16016 BABCOCK ST 158	SAN DIEGO CA 92127
88	SEIFOLLAH BAHARI	16016 BABCOCK ST 159	SAN DIEGO CA 92127
89	SHARIFA HAKIMI	16016 BABCOCK ST 16	SAN DIEGO CA 92127
90	COLLEEN FLOWERS	16016 BABCOCK ST 160	SAN DIEGO CA 92127
91	IRINA ENGIN	16016 BABCOCK ST 161	SAN DIEGO CA 92127
92	FERDOUS SADEGHI GOORAN	16016 BABCOCK ST 162	SAN DIEGO CA 92127
93	MOJGAN AFSHIN	16016 BABCOCK ST 163	SAN DIEGO CA 92127
94	GHULAM MUSTAFA SHIRZAD	16016 BABCOCK ST 164	SAN DIEGO CA 92127
95	WALLACE COREY	16016 BABCOCK ST 165	SAN DIEGO CA 92127
96	SYLVIA C ESQUEDA	16016 BABCOCK ST 166	SAN DIEGO CA 92127
97	HAK S KIM	16016 BABCOCK ST 167	SAN DIEGO CA 92127
98	SHAKIEBA HAKINZADA	16016 BABCOCK ST 168	SAN DIEGO CA 92127

COUNT	CUSTOMER NAME	ADDRESS	
99	UNITA PARNELL	16016 BABCOCK ST 169	SAN DIEGO CA 92127
100	AIKO CARDENAS	16016 BABCOCK ST 17	SAN DIEGO CA 92127
101	LIUDMILA ELTSOFONE	16016 BABCOCK ST 170	SAN DIEGO CA 92127
102	GLIB MAKSYMENKO	16016 BABCOCK ST 171	SAN DIEGO CA 92127
103	NATASHA FREDERICK	16016 BABCOCK ST 172	SAN DIEGO CA 92127
104	SIMIN PIROOZFAR	16016 BABCOCK ST 173	SAN DIEGO CA 92127
105	PEGAH MOJAB	16016 BABCOCK ST 174	SAN DIEGO CA 92127
106	RUBEN E ENGLAND	16016 BABCOCK ST 175	SAN DIEGO CA 92127
107	TOORAN SAMIEAN	16016 BABCOCK ST 176	SAN DIEGO CA 92127
108	MIHAILS SNITKO	16016 BABCOCK ST 177	SAN DIEGO CA 92127
109	YEVGEN KOCHKIN	16016 BABCOCK ST 178	SAN DIEGO CA 92127
110	EVA KORELOVA	16016 BABCOCK ST 179	SAN DIEGO CA 92127
111	DANETTE TENORIO	16016 BABCOCK ST 18	SAN DIEGO CA 92127
112	SARDAR LALMOHAMAD	16016 BABCOCK ST 180	SAN DIEGO CA 92127
113	SALIHA RAJAB	16016 BABCOCK ST 181	SAN DIEGO CA 92127
114	LILIANAH KAVINSKI	16016 BABCOCK ST 182	SAN DIEGO CA 92127
115	SAUNCIRAE TAYLOR	16016 BABCOCK ST 183	SAN DIEGO CA 92127
116	DIANA TAKAMORI	16016 BABCOCK ST 184	SAN DIEGO CA 92127
117	MIREYA FUENTES	16016 BABCOCK ST 185	SAN DIEGO CA 92127
118	AAMBER KIRKLAND	16016 BABCOCK ST 186	SAN DIEGO CA 92127
119	ROSSANA DEL RIO PENA	16016 BABCOCK ST 187	SAN DIEGO CA 92127
120	HASHMATULLAH ZAHEER	16016 BABCOCK ST 188	SAN DIEGO CA 92127
121	SHINDANA PERRYMAN	16016 BABCOCK ST 189	SAN DIEGO CA 92127
122	TIMETRA DILLARD	16016 BABCOCK ST 19	SAN DIEGO CA 92127
123	ZOHAL ABDURAHMAN	16016 BABCOCK ST 190	SAN DIEGO CA 92127
124	THERESA LONG	16016 BABCOCK ST 191	SAN DIEGO CA 92127
125	MOHAMMAD RAFI AFSHAR	16016 BABCOCK ST 192	SAN DIEGO CA 92127
126	ENAYAT SHAMS	16016 BABCOCK ST 193	SAN DIEGO CA 92127
127	LAILA SEKANDER	16016 BABCOCK ST 194	SAN DIEGO CA 92127
128	JACQUELINE STEPAN	16016 BABCOCK ST 195	SAN DIEGO CA 92127
129	KENNETH LEE	16016 BABCOCK ST 196	SAN DIEGO CA 92127
130	MARIAM BETSUNAIDZE	16016 BABCOCK ST 197	SAN DIEGO CA 92127
131	VINCENT A LUNA	16016 BABCOCK ST 198	SAN DIEGO CA 92127
132	CORRINNE CUOMO	16016 BABCOCK ST 199	SAN DIEGO CA 92127
133	GULALAI MAJID	16016 BABCOCK ST 2	SAN DIEGO CA 92127
134	AGHDAS AHMADI	16016 BABCOCK ST 20	SAN DIEGO CA 92127
135	YASIR HAIDERZADA	16016 BABCOCK ST 200	SAN DIEGO CA 92127
136	FATEMA NEROMAND	16016 BABCOCK ST 201	SAN DIEGO CA 92127
137	YOUSSEF M AKRAM	16016 BABCOCK ST 202	SAN DIEGO CA 92127
138	SHAHILLA SAMIMI SEDEH	16016 BABCOCK ST 203	SAN DIEGO CA 92127
139	FARROKH SADEGHIGOVAN	16016 BABCOCK ST 204	SAN DIEGO CA 92127
140	YI JUN LAI	16016 BABCOCK ST 21	SAN DIEGO CA 92127
141	BASIR MOOSA	16016 BABCOCK ST 22	SAN DIEGO CA 92127
142	QAIS SEKANDARY	16016 BABCOCK ST 23	SAN DIEGO CA 92127
143	NIDIA RODRIGUEZ	16016 BABCOCK ST 24	SAN DIEGO CA 92127
144	LAURA EGEA	16016 BABCOCK ST 25	SAN DIEGO CA 92127
145	NOAH C SCOTT	16016 BABCOCK ST 26	SAN DIEGO CA 92127
146	WILLIE BAILEY	16016 BABCOCK ST 27	SAN DIEGO CA 92127
147	KIM L TRAN	16016 BABCOCK ST 28	SAN DIEGO CA 92127
148	LILIYA AVANESOVA	16016 BABCOCK ST 29	SAN DIEGO CA 92127
149	NIKOLAJS NESINS	16016 BABCOCK ST 3	SAN DIEGO CA 92127

COUNT	CUSTOMER NAME	ADDRESS	
150	ERFAN TALEBI-ARDESTANI	16016 BABCOCK ST 30	SAN DIEGO CA 92127
151	TERRY BUCHANAN	16016 BABCOCK ST 31	SAN DIEGO CA 92127
152	ELNAZ KHODAEIGHEIDARI	16016 BABCOCK ST 32	SAN DIEGO CA 92127
153	SIHAM ALAYIAN	16016 BABCOCK ST 33	SAN DIEGO CA 92127
154	DENNIS TORRES	16016 BABCOCK ST 34	SAN DIEGO CA 92127
155	ASHRAF FOROOTAN	16016 BABCOCK ST 35	SAN DIEGO CA 92127
156	NANCY JOHNSTON	16016 BABCOCK ST 36	SAN DIEGO CA 92127
157	TEODORA E MARTINEZ PACHECO	16016 BABCOCK ST 37	SAN DIEGO CA 92127
158	FARHAD ZAFAR	16016 BABCOCK ST 38	SAN DIEGO CA 92127
159	DJASUR UZAKOV	16016 BABCOCK ST 39	SAN DIEGO CA 92127
160	REZA TOUR SAVADKOUHI	16016 BABCOCK ST 4	SAN DIEGO CA 92127
161	JAIME HERNANDEZ	16016 BABCOCK ST 40	SAN DIEGO CA 92127
162	RACHEL TAYLOR	16016 BABCOCK ST 41	SAN DIEGO CA 92127
163	GABRIELA L LOPEZ	16016 BABCOCK ST 42	SAN DIEGO CA 92127
164	DEREKA MOORE	16016 BABCOCK ST 43	SAN DIEGO CA 92127
165	MIR H SADAT	16016 BABCOCK ST 44	SAN DIEGO CA 92127
166	SAMANTHA DUNN	16016 BABCOCK ST 45	SAN DIEGO CA 92127
167	AFAGH FARSHAD TABRIZI	16016 BABCOCK ST 46	SAN DIEGO CA 92127
168	JESUS YVETTE MS MENDOZA	16016 BABCOCK ST 47	SAN DIEGO CA 92127
169	YELIZAVETA DUBASOVA	16016 BABCOCK ST 48	SAN DIEGO CA 92127
170	SAID A KAGHAZI	16016 BABCOCK ST 49	SAN DIEGO CA 92127
171	SVITLANA KORDIK	16016 BABCOCK ST 5	SAN DIEGO CA 92127
172	LINDA D EVANS	16016 BABCOCK ST 50	SAN DIEGO CA 92127
173	CHARLOTTE E BUTLER	16016 BABCOCK ST 51	SAN DIEGO CA 92127
174	MOHAMMAD AMIN	16016 BABCOCK ST 52	SAN DIEGO CA 92127
175	CITLALY BOJORGES	16016 BABCOCK ST 53	SAN DIEGO CA 92127
176	YAWAR HUSSAIN	16016 BABCOCK ST 54	SAN DIEGO CA 92127
177	AMY L ROSADO	16016 BABCOCK ST 55	SAN DIEGO CA 92127
178	NADERA ALEMI	16016 BABCOCK ST 56	SAN DIEGO CA 92127
179	PATRICIA J SOTO	16016 BABCOCK ST 57	SAN DIEGO CA 92127
180	NIKOLAY VOROBYEV	16016 BABCOCK ST 58	SAN DIEGO CA 92127
181	HELEN R GARCIA	16016 BABCOCK ST 59	SAN DIEGO CA 92127
182	ERAJ PANAH	16016 BABCOCK ST 6	SAN DIEGO CA 92127
183	NIKOLAY AVANESOV	16016 BABCOCK ST 60	SAN DIEGO CA 92127
184	WAEI KANJ	16016 BABCOCK ST 61	SAN DIEGO CA 92127
185	PAT DORRELL	16016 BABCOCK ST 62	SAN DIEGO CA 92127
186	IVAN SHCHEGOLKIN	16016 BABCOCK ST 63	SAN DIEGO CA 92127
187	MOHAMMAD ZAREI	16016 BABCOCK ST 64	SAN DIEGO CA 92127
188	DANIEL HART III	16016 BABCOCK ST 65	SAN DIEGO CA 92127
189	LUBNA ODEEH	16016 BABCOCK ST 66	SAN DIEGO CA 92127
190	MYUNGNAM MR LEE	16016 BABCOCK ST 67	SAN DIEGO CA 92127
191	NASEEMA AFSHAR	16016 BABCOCK ST 69	SAN DIEGO CA 92127
192	GRETITA MR GINDIN	16016 BABCOCK ST 7	SAN DIEGO CA 92127
193	NEELO RAYMAN	16016 BABCOCK ST 70	SAN DIEGO CA 92127
194	MELINDA TIDBALL	16016 BABCOCK ST 71	SAN DIEGO CA 92127
195	DAVID FUENTES	16016 BABCOCK ST 72	SAN DIEGO CA 92127
196	ROSA CLARK	16016 BABCOCK ST 73	SAN DIEGO CA 92127
197	WIVINE OUAPOU	16016 BABCOCK ST 74	SAN DIEGO CA 92127
198	ASSAD PAYMAN	16016 BABCOCK ST 75	SAN DIEGO CA 92127
199	NAHID ASGHARLOO	16016 BABCOCK ST 76	SAN DIEGO CA 92127
200	DEBRA RIVERA	16016 BABCOCK ST 77	SAN DIEGO CA 92127

COUNT	CUSTOMER NAME	ADDRESS	
201	KADRINA COFFEE	16016 BABCOCK ST 78	SAN DIEGO CA 92127
202	SHAUNTRECE MORRIS	16016 BABCOCK ST 79	SAN DIEGO CA 92127
203	MARIA G BOJORGES JIMENEZ	16016 BABCOCK ST 8	SAN DIEGO CA 92127
204	AMER SARSAM	16016 BABCOCK ST 80	SAN DIEGO CA 92127
205	SERGEY SYSOYEV	16016 BABCOCK ST 81	SAN DIEGO CA 92127
206	CHRISTINA M RILEY	16016 BABCOCK ST 82	SAN DIEGO CA 92127
207	JESSICA RAMIREZ	16016 BABCOCK ST 83	SAN DIEGO CA 92127
208	ANNA TUNİYANTS	16016 BABCOCK ST 84	SAN DIEGO CA 92127
209	MOHAMMAD NADER RAJAB	16016 BABCOCK ST 85	SAN DIEGO CA 92127
210	ABDUL BASIR	16016 BABCOCK ST 86	SAN DIEGO CA 92127
211	DAWN GONZALES	16016 BABCOCK ST 87	SAN DIEGO CA 92127
212	SHEREEN LOTFALLA	16016 BABCOCK ST 88	SAN DIEGO CA 92127
213	ERICA HANLEY	16016 BABCOCK ST 89	SAN DIEGO CA 92127
214	AHMAD W AMIN	16016 BABCOCK ST 9	SAN DIEGO CA 92127
215	ALEXEY DURKIN	16016 BABCOCK ST 90	SAN DIEGO CA 92127
216	IRINA TOSCHEVA	16016 BABCOCK ST 91	SAN DIEGO CA 92127
217	SUE JACOBS	16016 BABCOCK ST 92	SAN DIEGO CA 92127
218	TANG SHIUJEN WU	16016 BABCOCK ST 93	SAN DIEGO CA 92127
219	KAREN MR MARTIROSYAN	16016 BABCOCK ST 94	SAN DIEGO CA 92127
220	LINH M LE	16016 BABCOCK ST 95	SAN DIEGO CA 92127
221	RAYISA ZAKHAROVA	16016 BABCOCK ST 96	SAN DIEGO CA 92127
222	ERIN KELLY	16016 BABCOCK ST 97	SAN DIEGO CA 92127
223	ANZELA STEPANOVA	16016 BABCOCK ST 98	SAN DIEGO CA 92127
224	TAYLOR HUTCHINSON	16016 BABCOCK ST 99	SAN DIEGO CA 92127
225	T F W CONSTRUCTION	16016 BABCOCK ST TP1	SAN DIEGO CA 92127
226	RAJANIKANT BHATT	16031 FAIR HILL	SAN DIEGO CA 92127
227	MARY M HUPP	16032 FAIR HILL	SAN DIEGO CA 92127
228	THOMAS SWANSON	16033 BEDFORD HILL	SAN DIEGO CA 92127
229	ASHILLEY FERGUSON	16037 FAIR HILL	SAN DIEGO CA 92127
230	KIRAN VANGANURU	16038 FAIR HILL	SAN DIEGO CA 92127
231	DENNIS G BAUER	16039 BEDFORD HILL	SAN DIEGO CA 92127
232	MARK OSBORN	16041 FAIR HILL	SAN DIEGO CA 92127
233	FRANK FURNARI	16042 FAIR HILL	SAN DIEGO CA 92127
234	KIMBERLY PAIVA	16043 BEDFORD HILL	SAN DIEGO CA 92127
235	RALPH GONZALEZ	16049 FAIR HILL	SAN DIEGO CA 92127
236	LISA EAGAN	16050 FAIR HILL	SAN DIEGO CA 92127
237	SANG-JUNE PARK	16051 BEDFORD HILL	SAN DIEGO CA 92127
238	SHERRI CHARLTON	16054 BEDFORD HILL	SAN DIEGO CA 92127
239	VRUNAL K CHANDAK	16057 FAIR HILL	SAN DIEGO CA 92127
240	REEMA SHAH	16058 FAIR HILL	SAN DIEGO CA 92127
241	JAMES FRYE	16059 BEDFORD HILL	SAN DIEGO CA 92127
242	ROBERT SEIDENWURM	16063 FAIR HILL	SAN DIEGO CA 92127
243	JEFFREY LANE	16064 FAIR HILL	SAN DIEGO CA 92127
244	TAO ZHANG	16065 BEDFORD HILL	SAN DIEGO CA 92127
245	DAVID KEOGH	16067 FAIR HILL	SAN DIEGO CA 92127
246	BRIAN AMAN	16068 FAIR HILL	SAN DIEGO CA 92127
247	MOHAMMED SYED	16069 BEDFORD HILL	SAN DIEGO CA 92127
248	BLACK MOUNTAIN RANCH LLC C/O CALATLANTIC	16465 VIA ESPRILLO #105	SAN DIEGO CA 92127
249	BHATT NEHA	2950 VAN NESS ST NW #519	WASHINGTON DC 20008
250	MITCHELL REPAIR INFORMATION COMPANY LLC	4380 LA JOLLA VILLAGE DR #110	SAN DIEGO CA 92122
251	REEL FAMILY TRUST C/O MICHAEL REEL	564 RED MAPLE DR	MANDEVILLE LA 70448

COUNT	CUSTOMER NAME	ADDRESS
252	C I C FAIRBANKS L P	6339 PASEO DEL LAGO CARLSBAD CA 92011
253	JAY ALVAREZ	9102 BERNARDO LAKES DR SAN DIEGO CA 92127
254	MICHAEL S REFERMAT	9105 WHITE ALDER CT SAN DIEGO CA 92127
255	EVI A HAUX	9106 WHITE ALDER CT SAN DIEGO CA 92127
256	DEANA MERCURIO	9117 WHITE ALDER CT SAN DIEGO CA 92127
257	HEATHER AUNE	9118 WHITE ALDER CT SAN DIEGO CA 92127
258	CARMINE MANNINO	9129 WHITE ALDER CT SAN DIEGO CA 92127
259	TIMOTHY TODD	9130 WHITE ALDER CT SAN DIEGO CA 92127
260	MICHAEL SADAGH	9141 WHITE ALDER CT SAN DIEGO CA 92127
261	JULIE RYU	9142 WHITE ALDER CT SAN DIEGO CA 92127
262	STEVE L MONIS	9153 WHITE ALDER CT SAN DIEGO CA 92127
263	TED MALHAM	9154 WHITE ALDER CT SAN DIEGO CA 92127
264	JIMMY WANG	9165 WHITE ALDER CT SAN DIEGO CA 92127
265	ANDREW BIERI	9203 FOSTORIA CT SAN DIEGO CA 92127
266	CONRAD SKYLA SPECIAL NEEDS TRUST C/O LERET	P O BOX 35605 DALLAS TX 75235
267	N A H TRUST	P O BOX 5010 RCHO SANTA FE CA 92067
268	J A G MONTENERO MANAGEMENT LLC	PO BOX 5010 PMB 227 RCHO SANTA FE CA 92067
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
271	COUNTY OF SAN DIEGO COMMUNICATIONS OFF	1600 PACIFIC HWY ROOM 208 SAN DIEGO CA 92101
272	SDCWA	4677 OVERLAND AVE SAN DIEGO CA 92123
273	RANCHO SANTA FE COMMUNITY SERVICES DIST	605 THIRD STREET ENCINITAS CA 92024
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 RE	1111 FRANKLIN ST OAKLAND CA 94607
278	DEL SUR COMMUNITY ASSN C/O CALATLANTIC H	16465 VIA ESPRILLO #105 SAN DIEGO CA 92127
279	DEL SUR COMMUNITY ASSN C/O MERIT PROP M	1 POLARIS WAY #100 ALISO VIEJO CA 92656
280	BEL ETAGE-SAVENNA HOA C/O BERNARDO LAKE	4141 JUTLAND DR #200 SAN DIEGO CA 92117
281	BEL ETAGE-SAVENNA HOA C/O PROFESSIONAL C	906 SYCAMORE AVE #201 VISTA CA 92081
282	BEL ETAGE-SAVENNA HOA	9009 BERNARDO LAKES DR SAN DIEGO CA 92127