



**Sheri Gates, P.E.**  
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Mr. Fadi Daye, P.E.  
 Program and Project Supervisor  
 Electric Safety and Reliability Branch  
 Safety and Enforcement Division  
 California Public Utilities Commission  
 505 Van Ness Avenue  
 San Francisco, CA 94102-3298

**Subject: Substation Audit of SDG&E’s Orange County District**

Dear Mr. Daye:

An audit of substations in San Diego Gas & Electric’s (SDG&Es) Orange County District (conducted by Electric Safety and Reliability Branch Engineers James Miller and Stacey Ocampo) was held on June 13 to 17, 2022. During the field inspection, your staff identified a total of 8 findings. The corrective measures taken by SDG&E to remedy and prevent the recurrence of these findings are documented below.

Substation	Audit Finding	SDG&E Corrective Actions
San Clemente	1. Regulator SC2 had a malfunctioning oil temperature gauge.	Due to the advanced age of the equipment, a replacement oil temperature gauge for this regulator could not be located. The broken gauge will be removed to not give false readings. SDGE continues to monitor this regulator during routine inspections and will increase awareness on days when system load is expected to be on the rise. A design to remove the substation from service and convert it to a 12kV feed is in progress with an expected removal from service (RFS) date of 2026.

<b>South San Clemente</b>	2. Transformer 980389 was leaking oil.	A design to remove the substation from service and convert it to a 12kV feed is in progress with an expected RFS in 2023. SDG&E continues to monitor this transformer during routine inspections and conduct cleaning and monitoring of oil levels. Further attempts to repair this before it is RFSd may contribute to additional leaking.
<b>Talega</b>	3. Bank 60 138 kV Oil Circuit Breaker C-phase unit was leaking oil from its drain valve.	SDG&E repaired the leak on August 26 <sup>th</sup>
	4. Bank 60 Transformer was leaking oil from the load tap changer (LTC) main drain plug.	SDG&E repaired the leak on August 27 <sup>th</sup>
	5. Bank 61 Transformer was leaking oil from the main drain valve.	Subject to outage approval, SDG&E plans to repair the leak within 120 days.
<b>Laguna Niguel</b>	6. Bank 41 Transformer was leaking oil from the conduit to its “condition-based maintenance” box and from the conduit to its high-side current transformers.	Subject to outage approval, SDG&E is scheduled to repair the leak on September 2, 2022.
<b>Trabuco</b>	7. Bank 43 Transformer was leaking oil from the conduit to its high-side current transformers.	Subject to outage approval, SDG&E plans to repair the leak within 120 days.
<b>Margarita</b>	8. Bank 42 Transformer was leaking oil from the conduit to its high-side current transformers.	SDG&E repaired the leak on August 26, 2022.

If you have questions regarding these comments, please do not hesitate to contact me at 619-380-4534 or SLGates@sdge.com.

Sincerely,  
Sheri Gates

Substation Construction & Maintenance Manager

cc. Gillian Semmer, Christian Henderson, Sneha Parmar