



**Facility Re-Study  
(revised)**

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**SOUTHERN CALIFORNIA  
EDISON**

An EDISON INTERNATIONAL Company

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**Confidential: Contains Critical Energy Infrastructure Information (CEII)**



**FACILITY RE-STUDY**

**Southern California Edison**

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[REDACTED]

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**I. Executive Summary**

[REDACTED] requested interconnection to Southern California Edison ("SCE") for distribution service under the terms of SCE's Wholesale Distribution Access Tariff ("WDAT"). The Project will construct, own, and operate [REDACTED]. The facilities will be located in [REDACTED] and interconnect through the existing customer owned [REDACTED] which is located [REDACTED]. The requested in-service date for the project is February 1, 2018.

**II. Facility Re-Study Assumptions**

- A. The Project will be utilizing the existing position at [REDACTED] used to terminate the [REDACTED]
- B. The Project will be utilizing the [REDACTED]
- C. Customer owned [REDACTED] will be expanded to accommodate the Project.

**III. Facility Re-Study Scope and Cost Estimate**

**III – A Facility Re-Study Scope**

Pursuant to FERC's orders 2006-A (Small Generators) and 2003-A (Large Generators) all Facilities Studies are required to provide the customer with its "maximum possible funding exposure", which shall include the costs of upgrades that are reasonably allocable to the Interconnection Customer at the time the estimate is made, and the costs of any upgrades not yet constructed that were assumed in the interconnection studies for the Interconnection Customer but are, at the time of the estimate, an obligation of an entity other than the Interconnection Customer."

To comply with the FERC orders, the Scope of Work and Cost Estimate for all elements required for the interconnection are presented for the following two cases:

**CASE A: All facilities required exclusively by the Project**  
And

**CASE B: All additional facilities that may be required by the Project**

The facilities included on Case B are those additional facilities required to remedy situations caused by earlier projects, placed ahead in the Application Queue, and are expected to be implemented by them.

However, in the event that any of these earlier projects withdraws or modifies their application in accordance with applicable tariff allowances, the Project may become responsible for any or all of these additional facilities.

**CASE A:**

**Substation:**

[REDACTED]  
Perform a relay coordination study and re-setting/testing protection relays will need to be performed, as required, to account for the new Generating Facility interconnection.

[REDACTED]  
[REDACTED]  
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**Real Properties:**

Obtain easement for SCE to gain access to the generating facility.

**Power Systems Control:**

Point additions for the existing remote terminal units at [REDACTED]

**Metering Services Organization:**

Install two SCE retail meters in tandem with the customer's ISO meters utilizing the same metering instruments.

**CASE B:**

There are no Case B elements for this project.

**III – B Facility Re-Study Cost Estimate**

**CASE A** Identifies the cost of all facilities that are required exclusively by the Project.

**CASE B** Identifies the cost of all upgrades required that were triggered by earlier Applicants placed ahead of the Project in the Application Queue.

In the event that any Applicant, presently placed ahead of the Project in the Application Queue, withdraws its Application, the system would need to be re-evaluated. The new evaluation may conclude that the Project would now trigger any of these upgrades and would then become responsible for some or all of the upgrades identified on Case B.

The total estimated cost of all elements of the interconnection as identified above in the Facilities Study Scope is as follows:

CASE A:	\$	236,398
CASE B:	\$	<u>0</u>
TOTAL MAXIMUM COST EXPOSURE:	\$	236,398

**SEE EXHIBIT A: COST SUMMARY**

**IV. Conclusions**

- A. The estimated cost for the interconnection is approximately \$236,398 for Case A with the potential additional cost of \$0 for Case B for a total Maximum Cost Exposure of \$236,398.
- B. The time required to complete the proposed project will be 27 months after receiving project authorization and funding. This time includes engineering, material procurement and construction. This timeframe is subject to final verification by SCE of available resources at the time of the Project. The 27 month period does not include the time required for the preparation of the Environmental Impact Statement and/or Environmental Impact Report as required per CEQA and NEPA, if required, as well as any other approvals and permits to be provided by the CPUC or other regulatory agencies.  
A detailed Project Schedule will be provided during the Engineering and Design Phase of the Project.
- C. The costs indicated in the attached tables are shown 2016 Dollars and are not firm.

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These are only preliminary estimates based on conceptual engineering and system unit costs, and are subject to change based on the final design and actual material costs. This Facility Study and cost estimates as presented are valid for a period of 90 days.

- D. The estimated Project Cost will be reconciled to actual costs upon closure of the subject work orders. The necessary billing adjustments will be made at that time.
- E. Study results may be affected by changes in other projects ahead of the queue in the area. A re-study may be required if there are changes in the project queue or the scope of projects ahead in the queue.
- F. Although study results reflect no adverse impact on the high-voltage CAISO controlled transmission system with the addition of the Project, the Interconnection Customer will still be required to adhere to all applicable WECC policies including, but not limited to, the WECC Generating Unit Model Validation Policy. For example, the Interconnecting Customer will be required to provide validated dynamic models for the proposed project within the timelines identified in the WECC policy. The latest policy is available on the WECC website at [www.wecc.biz](http://www.wecc.biz).

**EXHIBIT A**

**COST SUMMARY**

# WDT1123 - [REDACTED] (FAC)

## Cost Estimate Summary (2016 Dollars)

Scope: [REDACTED] IC sharing [REDACTED] and customer owned [REDACTED]

No.	Element	Interconnection Facilities (Subject to ITCC)	IF One Time Cost (Not Subject to ITCC)	ITCC** (35%)	Total	2016 Constant Dollars Escalated to 00 Year 2018
<b>Substation 1</b>						
1	Relay coordination study	\$ -	\$ -	\$ -	\$ -	\$ 70,092
<b>Subtotal</b>						\$ 70,092
<b>Rial Properties</b>						
1	RP activities	\$ 20,588	\$ -	\$ 7,206	\$ 27,794	\$ 28,288
<b>Subtotal</b>						\$ 27,794
<b>Metering Services</b>						
1	Retail metering at the generation facility	\$ 54,208	\$ -	\$ 18,973	\$ 73,181	\$ 77,118
<b>Subtotal</b>						\$ 73,181
<b>Power System Control</b>						
1	Point addition for RTU at [REDACTED]	\$ -	\$ -	\$ -	\$ -	\$ 28,830
2	Point addition for RTU at [REDACTED]	\$ -	\$ -	\$ -	\$ -	\$ 28,830
<b>Subtotal</b>						\$ 57,660
<b>Total</b>		<b>\$ 74,796</b>	<b>\$ 123,352</b>	<b>\$ 28,179</b>	<b>\$ 224,327</b>	<b>\$ 238,396</b>

\* Pursuant to FERC Order 2003A, ITCC is not collected on Reliability Upgrades and One Time Costs  
 \*\* ITCC cost may be satisfied with a letter of credit in accordance with the tax provisions of the LGIA.  
 \*\*\* The ITCC included in this cost estimate was computed using a 35% rate

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