
 California ISO	Operating Procedure	Procedure No.	5320A
		Version No.	2.1
		Effective Date	2/01/2023
Test Energy Process for NGR Resources		Distribution Restriction: None	

1. Procedure Detail

1.1. Test Energy Process for **Non-Generating Resource (NGR)** Resources

Scheduling Coordinator (SC), Interconnection Customer
<ol style="list-style-type: none"> 1. A new resource with approved COM should have a NEW_GENERATOR_TEST_ENERGY Outage card, which reflects currently available MW. 2. <u>At least seven (7) calendar days prior to</u> the first planned Trial Operation date (<u>not</u> including the submittal date and the date the test is requested to begin): <ul style="list-style-type: none"> For NGR Resources Only: <ul style="list-style-type: none"> • Update the NEW_GENERATOR_TEST_ENERGY card to reflect current COM value (if any), plus the expected MW output for each hour of testing, and include the following updates to the “External Notes” section of the outage card: <ul style="list-style-type: none"> ○ Copy all of the content from the NRI Test Energy template (resource information and the test plan). ○ Include any known testing limitations. ○ Include the Emergency Return Time, to reflect the time it takes to shut down or return the resource to its COM availability anytime during the test. <p>Note: Due to current CAISO software limitations, NGR Resources cannot have overlapping outage cards in OMS.</p> <p>Note: Due to Operations Planning study requirements to determine whether the requested test energy can be accommodated, the duration of each test energy outage request can be no more than 3 consecutive operating days. Testing in excess of 3 consecutive operating days requires an additional test energy outage request for each additional 3 consecutive operating day test period or fraction thereof. Note: If the scheduled test cannot be performed within this time period, a new request must be submitted.</p> <ol style="list-style-type: none"> 3. The example below demonstrates the actions the SC should take for a NGR Resource: <ul style="list-style-type: none"> • A new resource with a currently approved COM value of 10 MW wishes to test above its COM value to 15 MW: <ul style="list-style-type: none"> ○ Open the NEW_GENERATOR_TEST_ENERGY card and update the resource’s availability by the requested test energy amount of 5 MW. This increases the resource’s availability to 15 MW.

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Scheduling Coordinator (SC), Interconnection Customer
<p>4. After the testing is completed, adjust the unit availability back to the previous COM value of 10 MW on the NEW_GENERATOR_TEST_ENERGY card.</p> <p>5. In the example above, if the PMax contained in the Master File has a value of 20 MW:</p> <ul style="list-style-type: none"> • Approved COM = 10 MW • Outage card availability during testing = 15 MW • Outage card availability during non-test periods = 10 MW

2. Supporting Information

Operationally Affected Parties

Shared with the Public.

References

Resources studied in the development of this procedure and that may have an effect upon some steps taken herein include but are not limited to:

CAISO Tariff	Appendix V - Standard Large Generator Interconnection Agreement – Article 6
CAISO Operating Procedure	3210 Transmission Outages
NERC Requirements	
WECC Criterion	
Other References	Generator Interconnection Agreement


Definitions

Unless the context otherwise indicates, any word or expression defined in the Master Definitions Supplement to the CAISO Tariff shall have that meaning when capitalized in this Operating Procedure.

The following additional terms are capitalized in this Operating Procedure when used as defined below:

None.

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Version History

Version	Change	Date
1.0	Initiated new attachment.	4/07/17
2.0	Periodic Review: Minor formatting and grammar updates only.	7/24/20
2.1	Periodic Review: Spelled out first instance of NGR. Updated to CAISO and minor formatting.	2/01/23

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