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Q1: 韓國電力公司(Powerlink)已向韓國電力委員會(KCPC)申請修改其發電設施的規範，以容許在現時的容量範圍內，擴闊其輸送能力。該申請將會檢討現時的規範，並考慮是否容許進行更多的研究，以評估現時的規範是否已達到目的。該申請將會在未來數月內完成。

*Response:* ???

As 웹口η we 웹口η indicated 웹口η in 웹口η the 웹口η meeting, 웹口η ISO 웹口η test isosse, 웹口η in 웹口η the 웹口η increased 웹口η reliability 웹口η that is 웹口η with 웹口η the 웹口η reliability 웹口η was 웹口η the 웹口η ultimate 웹口η approved compared 웹口η to 웹口η the 웹口η route 웹口η that 웹口η was 웹口η originally 웹口η the 웹口η route 웹口η was 웹口η approved 웹口η corridor 웹口η still 웹口η provided 웹口η significant 웹口η the 웹口η route 웹口η the 웹口η MW<sub>1</sub> load 웹口η shed 웹口η the 웹口η 1 웹口η is 웹口η the 웹口η ISO 웹口η test isosse below 웹口η the 웹口η man-

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A. 웹□flow 웹□thermal 웹□grid board, 웹□grid panel 웹□stability 웹□analysis 웹□was 웹□on 웹□ASPEN10 웹□nat 웹□the 웹□3500 웹□grid import 웹□imported 웹□level 웹□import 웹□level. 웹□grid import 웹□of the 웹□common mode 웹□outage lines 웹□west 웹□of Imperial Valley 웹□substation, 웹□the 웹□performance found 웹□to 웹□be 웹□equivalent 웹□to 웹□that 웹□of the 웹□Sunrise 웹□SDG&E. **For the common mode outage of 500 kV lines west of Imperial Valley substation, the CAISO found that Special Protection Scheme needed that would shed up to 500 MW to 1000 MW of load in** (emphasis 웹□added) 웹□1000 웹□to 웹□2000 웹□MW 웹□of generation 웹□Valley Substation.

The 웹口η testimony 웹口η clearly pointed out that the corridor was not the primary route for contingencies 웹口η over the border, 웹口η and 웹口η had been hedging their bets with up to 1000 웹口η MW 웹口η of 웹 Diego 웹口η was 웹口η also in the corridor, 웹口η preferred or 웹口η had 웹口η an 웹口η advantage 웹口η over 웹口η the 웹口η approved 웹口η corridor 웹口η in 웹口η this 웹口η particular region. 웹口η the 웹口η significant 웹口η benefit of this corridor was supported by neither 웹口η nor 웹口η the nation. 웹口η 웹口η

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Q2: Please explain how the Sunri project provided benefit to the Sunri project.

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*Response:* ???

Local capacity requirements are based on the consequences of studied, and then using the largest result to establish the isolate the local capacity benefit.

requirements and without the context, below hisnan the most Local Capacity and needs to be taken into account.

There are several components of the Technical Study. Consistent with mandatory nature of the NERC Planning under statutory obligations, the study must be reliable operation of transmission grid consistent with planning, safety standards, and ISO. This further under an obligation agreement, or a transmission system operator's Agreement, to secure compliance with all "Applicable Reliability Criteria" which consists of reliability standards well as location criteria, unique to the transmission participating transmission Owners (TOs).

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Pursuant to the tariff authority, the ISO organized by the consultation stakeholders, has adopted grid Planning Standards intended to interpret NERC Planning Standards in instances which the apply more stringent standards than those established criteria for Reliability Criteria to the allowed performance of the ISO Controlled Grid under Contingency. The Planning Standards define reliability on the basis of using the adequacy of the ability of systems to supply the aggregated energy requirements of customers at all times, taking into account changes in the system such as transmission ratings and scheduled and unscheduled changes of system elements. The "Security" is the ability to withstand disturbances such as electric short circuits or overloads. The system elements. The Organization by Performance Categories. For instance, one category is to ensure grid integrity is maintained under certain adverse security, but also that all customers continue to receive e.g., adequate service in case of a power outage.

memberId

Before the construction of Sunrise:

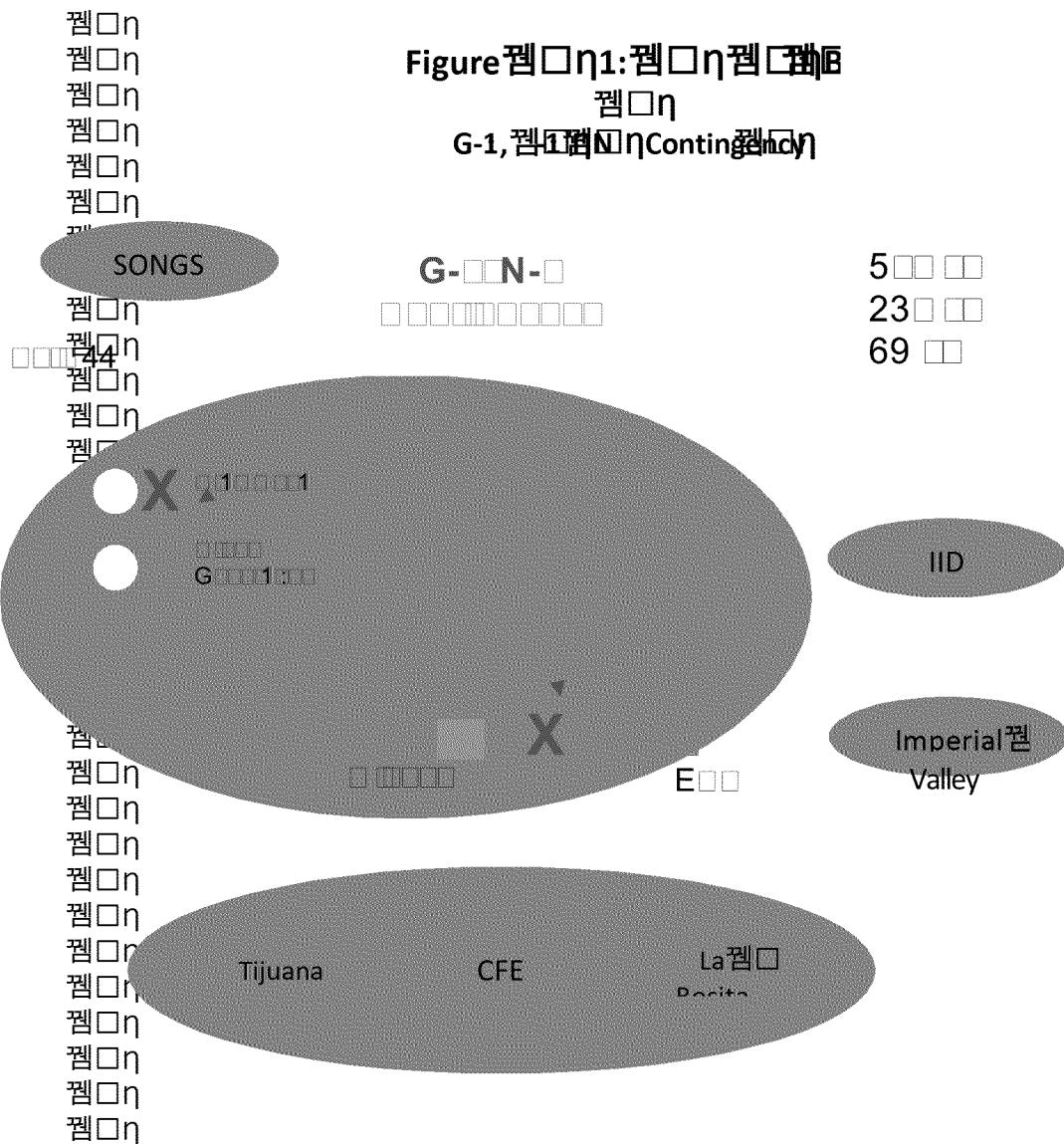
With 웹□ήeverything 웹□ήelse, 웹□ήand 웹□ήif 웹□ήthe 웹□ήSunrise 웹□ήproject 웹□ήhad 웹□ήnot □t Category 웹□ήB 웹□ήcontingent on 웹□ήthe 웹□ήOta 웹□ήMeiji 웹□ήgenerally by 웹□ήthe 웹□ή1 웹□ήof 웹□ήthe 웹□ήbiggest 웹□ήkv 웹□ήthat 웹□ήmost 웹□ήrecent 웹□ήwork 웹□ήlink

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Under these circumstances, the import level into the San Juan could be subtracted from the peak load to determine the capacity requirement for the outage of this unit. This is done by dropping the 500瓩 from the results for the next section. The results below show the impact of the drop.

Table 1: LCR Area Sample Size Diagnos

Study Area	2021 ( )
1 in 10 Peak Load Area	5,749
Import Capability without Loss	-2500
Loss of Energy	+605
L/N	3 854

As explained previously, the most severe requirement is the N-1 contingency requirement. Before the construction of the Sunrise, it is more severe than N-1, which contains the same contingencies. The loss of energy is the single largest loss of the Path 44 transfer path, which is swed by the loss of the Miguel Perez de Mesa generator than the Otay Mesa generator. It is higher than the single line capacity results in higher local capacity than the 110kV line outage was not relevant in the system operating limit based on the limits were the main limit, before the instability limits were considered.

#### After the construction of the Sunrise:

Following the construction of the Sunrise, the category of the most important contingency lines has the same as the Miguel Perez de Mesa generator, which is the same as the 500kV circuit (Sunrise or the 500kV circuit). That is because each line is capable of producing power by the Otay Mesa generator, which is shown in Figure 2 below.

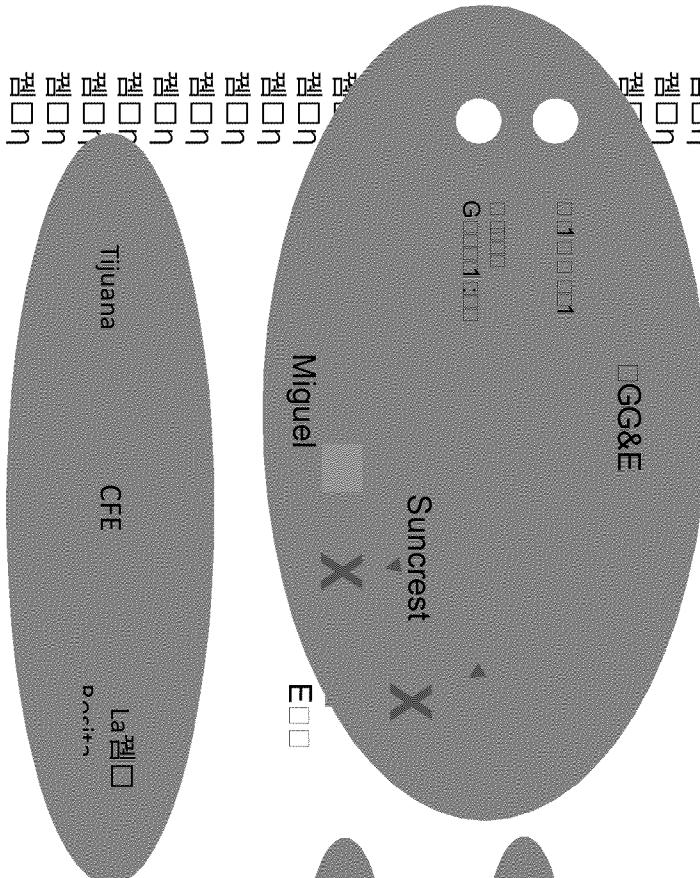
Figure 4 shows the 4-year

Figure 4

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Figure

Figure 2: Figure containing



The analysis performed on the detailed analysis of each scenario or page 3 of the supplemental material. In this analysis, voltage instability/collapse are the limiting factors.

Figure

Figure

Figure

5 Figure

Table 2: LCR Area After San Diego area

2021	
Study	4 A- ( )
1 in 10 Peak Load Area)	5,749
Imports Available	3086
L/N-N	2524 – 2663

Comparing the results in the table above, the capacity requirements for more than 1100 MW of generation in the four generation areas of these results indicate, the sunrise area has a lower capacity requirement over 1000 MW of reduced local capacity requirement in the benefits of enabling reliability of generation in San Diego area.

A significant portion of these local benefits provided by the system benefits from the Otay Mesa generation area that need for the outside of the system through its voltage control/excitation and additions the 230 kV system in San Diego that were supported by the support units. It must be noted that the phenomenon of linear equations, and the contributions of different sources to cannot simply be summed arithmetically.

The table below presents the results available for the

Before Sunrise, Mesa generation Analysis	After Sunrise, Mesa generation Analysis
No	No
No	YES
No	No
No	Yes
No	Yes
N-1 limit employed for Mesa Path Sunrise	Voltage collapse

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### Q3: 웹□η 웹□η 웹□η release 웹□η the 웹□η ISO 웹□η planning 웹□η standards 웹□η planning 웹□η NERC 웹□η planning

**Response:** 웹□η

Reliability 웹□η assessment 웹□η results 웹□η are 웹□η measured 웹□η against 웹□η the 웹□η applicable 웹 determine 웹□η if 웹□η system 웹□η performance 웹□η criteria 웹□η have 웹□η been 웹□η met 웹□η accor Planning 웹□η Standards, 웹□η the 웹□η WECC 웹□η Transmission Planning 웹□η System Planning 웹□η Planning Planning 웹□η Standards. 웹□η The 웹□η ISO 웹□η planning 웹□η standards 웹□η are 웹□η developed 웹□η approved 웹□η by 웹□η the 웹□η ISO 웹□η Board. 웹□η The 웹□η current 웹□η version 웹□η of 웹□η stakeholder 웹□η comments 웹□η for 웹□η the 웹□η latest 웹□η version 웹□η of 웹□η planning standards 웹□η is 웹□η available 웹□η at: 웹□η

<http://www.caiso.com/informed/Pages/StakeholderProcesses/CompletedStakeholderProcesses>

[/TransmissionPlanning.aspx](http://www.caip.org/TransmissionPlanning.aspx)

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A 웹□η link 웹□η to 웹□η the 웹□η latest, 웹□η most recent, 웹□η planning standards 웹□η is 웹□η provided 웹□η below:

웹□η

Reliability Standards

웹□η The 웹□η relevant 웹□η criterion 웹□η is 웹□η CRTC, 웹□η available 웹□η at:

<http://www.wecc.biz/library/Documentation%20Categorization%20Files/Forms/AllItems.aspx?RootFolder=%2flibrary%2fDocumentation%20Categorization%20Files%2fRegional%20Criteria&FolderCTID=&View=%7bAD6002B2%2d0E39%2d48DD%2dB4B5%2d9AFC9F8A8DB3%7d>

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Q4: 웹□η 웹□η Why 웹□η release 웹□η the 웹□η ISO 웹□η planning 웹□η standards 웹□η power 웹□η trains 웹 single 웹□η power 웹□η power 웹□η plant 웹□η gas 웹□η turbine 웹□η capacity 웹□η turbines be 웹□η considered 웹□η separate 웹□η training 웹□η system 웹□η plant" 웹□η outage?

웹□η

**Response:** 웹□η

First, 웹□η the question is wrong. 웹□η ISO 웹□η does not have a contingency plan for the 웹□η power system instead 웹□η it has a plan for the 웹□η outage. 웹□η As 웹□η the 웹□η ISO's contingency plan indicates, 웹□η outage is considered 웹□η in 웹□η next 24 hours. 웹□η capacity is the amount of power that the 웹□η most 웹□η significant excess power can be used for. 웹□η and 웹□η unacceptable is the amount of power that the 웹□η

Setting 웹□η this 웹□η aside, 웹□η the 웹□η ISO 웹□η has 웹□η reviewed 웹□η the 웹□η Palomar 웹□η to 웹□η see 웹□η if 웹□η can meet its parts of the contingency plan for the 웹□η gas turbines 웹 turbines 웹□η has 웹□η separate 웹□η contingencies. 웹□η the 웹□η ISO's 웹□η criteria 웹□η establishes the 웹□η criteria. The 웹□η criteria 웹□η require 웹□η that 웹□η the 웹□η system can handle the 웹□η stages. 웹□η for 웹□η three 웹□η years, 웹□η except 웹□η for 웹□η the 웹□η period 웹□η immediately 웹□η following 웹□η the 웹□η commissioning two 웹□η years. 웹□η

The 웹□η ISO 웹□η cannot 웹□η release 웹□η the 웹□η actual 웹□η data 웹□η due 웹□η to 웹□η generator's summarize 웹□η the 웹□η results. 웹□η the 웹□η information is confidential. 웹□η the 웹□η data is 웹□η confidential. 웹□η the 웹□η facility's owner, 웹□η therefore, 웹□η we 웹□η cannot 웹□η provide 웹□η this 웹□η information request. 웹□η the 웹□η information is directly 웹□η related to the start up and outages, 웹□η the 웹□η identified.

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7 웹□η

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- 14 웹□ηfull 웹□ηplant 웹□ηtrips 웹□ηof 웹□ηOtay 웹□ηMetz 웹□ηbetween 웹□ηSept 웹□η2009 웹□η
- 웹□ηfull 웹□ηplant 웹□ηtrips 웹□ηof 웹□ηPalomar 웹□ηbetween 웹□ηJuly 웹□η2009 웹□ηto 웹□η

Based 웹□ηon 웹□ηthis 웹□ηreview, 웹□ηthe 웹□ηdata 웹□ηdoes 웹□ηnot 웹□ηsupport 웹□ηtreating separate 웹□ηgenerators, 웹□ηbut 웹□ηthey 웹□ηcan 웹□ηbe 웹□ηsingle 웹□ηgenerators 웹□ηfor 웹□ηcontingent analysis. 웹□η

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Q5: 웹□η~~the question~~ 웹□ηwas 웹□ηraised 웹□ηabout 웹□ηthe 웹□ηprofile 웹□ηof the 웹□ηproposals 웹□ηre whether 웹□ηthe 웹□ηISO 웹□ηconsidered 웹□ηall 웹□ηsolar 웹□ηgeneration 웹□ηto 웹□ηuse 웹□η

*Response:* 웹□η

The 웹□ηISO 웹□ηhas 웹□ηnot 웹□ηassumed 웹□ηall 웹□ηsolar 웹□ηgeneration 웹□ηto 웹□ηthe 웹□ηthat an 웹□ηextensive 웹□ηprocess 웹□ηfor 웹□ηnew 웹□ηplants 웹□ηinitiate 웹□ηprofiles 웹□ηfor 웹□ηsolar 웹□ηresources 웹□ηin 웹□η2020 웹□ηbased 웹□ηon 웹□ηthe 웹□ηnext 웹□ηten years. 웹□ηthe 웹□ηISO 웹□ηalso 웹□ηincludes 웹□ηportfolios' 웹□ηprofiles 웹□ηaccounted 웹□ηfor 웪□ηdifferent 웪□ηlocations 웪□ηand 웪□ηtypes of 웪□ηsolar plants. 웪□η5,258MW 웪□ηof 웪□η(2,464, 웪□ηThin 웪□ηFilm 웪□ηFixed, 웪□η1,045MW 웪□ηfixed 웪□ηsmall 웪□ηsolar, 웪□η1,749 웪□ηgeographically 웪□ηdistributed, 웪□η1,560MW 웪□ηtracking 웪□ηand 웪□η3939MW 웪□ηroofs' 웪□ηsolar

Please 웹□ηrefer 웹□ηto 웪□ηthe 웪□ηExhibit 웪□η2, 웪□η~~the testimony of Mr. Caiso~~ 웪□ηTestimony 웪□η2011 웪□ηTestimony [http://www.caiso.com/Documents/2011-07-01\\_R10-05-006\\_Testimony.pdf](http://www.caiso.com/Documents/2011-07-01_R10-05-006_Testimony.pdf) 웪□η

웹□η