



IR Application Generator Facility Data Form Overview

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March 11, 2020

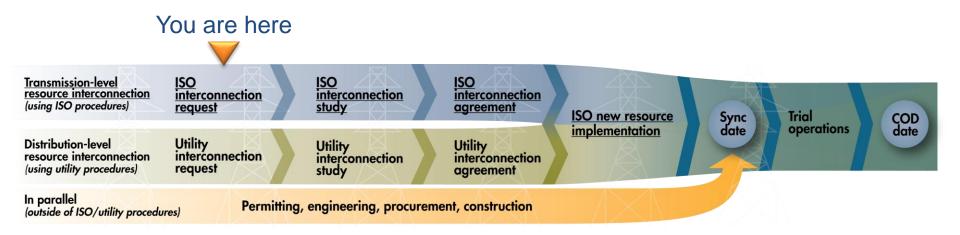
ISO Public

Objective – IR Application Generator Facility Data Form Overview

- Understand how to fill out the required documents for each Interconnection Application
 - <u>Appendix 1</u>, Interconnection Request (Word)
 - <u>Attachment A to Appendix 1</u>, Generator Facility Data (Excel)
- Have all documents completed and validated in time for the studies



Interconnection Process Map





Appendix 1 and Attachment A Instructions tab



Appendix 1 Interconnection Reques INTERCONNECTION REQUEST

NO HARD COPY REQUIRED FOR INTERCONNECTION REQUESTS SUBMITTED ELECTRONICALLY VIA RIMS

Provide one hard copy of this completed form pursuant to Section 7 of this Appendix 1 below for nonelectronic submissions.

- 1. The undersigned Interconnection Customer submits this request to interconnect its Generating Facility with the CAISO Controlled Grid pursuant to the CAISO Tariff (check only one): Queu Delive
- 2. This Inter-🛛 A pro An inc
- 3. Requeste

On-Peak 🔲 Partia Energ

Off-Peak:

- Attachment A Instructions tab must • match Appendix 1
- Guidelines and directions provided in ٠ Instructions tab

eue Cluster Process. iverability from Non-Participating TOs pursuant t	Attachment A, Generating Facility Data to GIDAP Appendix 1 Interconnection Request						
erconnection Request is for (check only one): roposed new Generating Facility. increase in the generating capacity, repowering,		GENERATING FACILITY DATA					
Generating Facility.		CAISO Public Document					
sted Deliverability Statuses are:	🌍 California ISO	Version: 13.2					
ik (for purposes of Net Qualifying Capacity cho		Last Updated: Feb 25, 2020					
Capacity							
tial Deliverability for et a set on the set of the set	Project Information Completed by Interconnec	tion Customer (Must match Appendix 1)					
ik: (for Projects Containing Wind or Solar, che	Project Name						
Peak Deliverability	Q# (if assigned)						
onomic Only	Interconnection Customer Name						
	Interconnection Customer Contact						
	Requested Point of Interconnection (POI)						
	Please read the instructions below!						
	Table of Contents	Descriptions					
	Instructions	Project Specific Information (above) & Guidelines for this document					
	I. Project Configuration	Project Data Input					
	II. Technical Validation	Validation Calcs based on Project Data input on Tab I.					
	III. Power Flow Model	Power Flow Model Tool					
	IV. Dynamic Model	Dynamic Model Data Tool					
	V. IR Validation & Comments	IR Review and Validation questions and verifications					



Attachment A Project Configuration tab

- Project data and information
- Fill in Section I, II and all other applicable sections consistent with Appendix 1

					0						
Item #		UNITS									
	I. Overall Project MW Information										
1.1	Total Generating Facility gross capacity	MVA		0							
1.2	Total Generating Facility gross output	MW									
1.3	Generating Facility Auxiliary Load	MW									
1.4	Project net capacity at Generating Facility	MW	(0							
1.5	Anticipated Losses between the Generating Facility and POI	MW	include all transformer and line losses between the generating units and the POI at total Generating Facility gross output as calculated by the power flow model in .epc file								
1.6	Desired net output at POI	MW		0 must match MW value derived from power flow model in .epc file							
1.7	Standby Load when Generating Facility is off-line	MW									
1.8	For combined cycle plants, specify the plant net output capacity for an outage of the steam turbine or an outage of a single combustion turbine	MW									
				II. Individual G	enerating Facility Char	acteristics					
11.1	Generating Facility Name		BESS	Solar-BESS	Gen Type3	Gen Type5	Gen Type6	Gen Type7	Gen Type8	Gen Type9	Gen TypeX
11.2	Technology (Tip box on the right)										
11.3	Type (Tip box on the right)										
11.4	Manufacturer	1									
11.5	Model Name										
11.6	Model Number										
11.7	Version (if applicable)										
11.8	Year Manufactured										
11.9	Number of Individual Generators or Inverters										
II.10	Nominal Terminal Voltage	kV									
II.13	Expected average high ambient temperature for the site	°C									
11.11	Individual generator rated MVA at the temperature above	MVA									
II.12	Individual generator rated MW at the temperature above	MW									
11.14	Individual generator power factor at rated MW										
11.15	Individual generator power factor regulation Leading (-)										
11.16	range at rated MW output Lagging (+)										
11.17	Generator Voltage Regulation Range (+/-)	%		1					1		
11.18	Phase										
11.19	Connection										
11.20	ACTION REQUIRED: Please submit generator reacting	ve capability (curves								
11.20		Suparatly (
	Tips: Use "paste value only" to copy and paste; Use "clear content" to remove content.			С	lick here to proceed.				Show	All Sections Below	
	use clear content to remove content.		Please	click this button after	filling out or modifying	Section II data.					



Attachment A Technical Validation tab

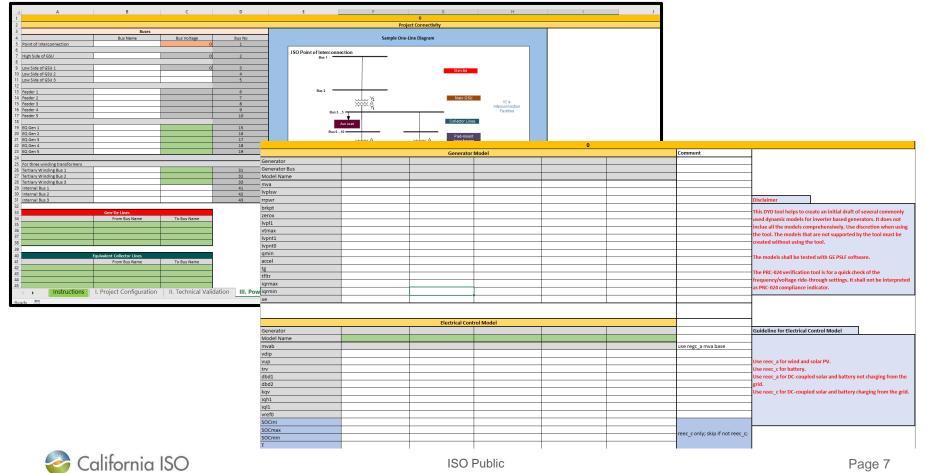
- Provides feedback on errors or missing data on Project Configuration tab
- All errors must be corrected before submitting form
- All warning messages must provide an explanation

	А	В	С	D	E	F	G		
				0					
2 3 4 5		Generator Data Validation Ch	eck Button	Please perform data check by clicking on the button. IR forms with Errors are incomplete and not accepted. If the IR is submitted with warining message, please provide an explanation to each warning in column G.					
6				Data Error/Warning					
7	Type	Data Section	Data Item	Error/Warning Description	Entered Value	Suggested Changes	IC Explanation Regarding the Warning		
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	()	Instructions I. Project Config	uration II. Technical Validation	III. Power Flow Model IV. Dy	namic Model 🛛 V. IR Valid	ation & Comments Version Conti 🔶	÷ •		
	с 	,							



Attachment A Power Flow and Dynamic Model tabs

- Powerflow and dynamic data input and output
- Tools to help create *.epc and *.dyd files (use of tool is optional)
- May not fit all project configurations and must be tested before submission



Attachment A IR Validation & Comments tab

- Interconnection Customer to confirm prior to IR submission make a selection in all question boxes in Column A
- ISO & PTO to confirm during IR validation process

	A B C	D E F	G H	<u> </u>	к	L M	N O	P Q	R
1	0								
2		Customer Confirmation & Validation Checklist	Comment & Validation Tracking						
4 5 t	this form for IR validation.	ded for: ler to review and ensure all items are included and tasks a the data and attachments for completeness and sufficient	The following section is intended to identify and track comments and recommendations to and from the parties involved in the IR Validation process. DO NOT DELETE OR CHANGE PREVIOUS COMMENTS.						
7	Customer Confirmation Objective is All Answers = Yes or N/A CAISO & PTO Review				Version C	ontrol:	-		
8	Customer Committation	Objective is All Answers - Tes of N/A	CAISO & FI	IO Review	Date:	Reviewed By:	Comment:		
9 10	Supporting Document Submit	tal Confirmation (see Instructions & I. Project Configur	ation Tabs for furth	her details)	<u> </u>				
11 (Choose Project One-line Draw	ing		Choose					
12 (Choose Site Drawing showing	POI AND Site Map with aerial imagery		Choose					
13 (Choose .kmz File (Google Earl	th)		Choose					
14 (Choose Manufacturer support	ing data sheets provided for the generators/inverters		Choose					
15 (Choose Manufacturer support	ing data provided for SCD characteristics		Choose					
16	Choose Section II. Generator r	reactive capability curves		Choose					
17	Choose Section III. (A.) Plot of	generator terminal voltage versus field current		Choose					
18 (Choose Section III. (B.) Copy of	of the block diagram of the excitation system from its instruc	tion manual	Choose	Comments:				
19		of a block diagram of the PSS from the PSS Instruction Man	ual and the	Choose	Date:	mm/dd/yyyy	Commenter Name:		
20	correspondence betwe	een dial settings and the time constants or PSS gain		Choose			Representing:	Choose One	
	21 Choose Section X. A Tower Configuration Diagram Choose					nere:			
22	Choose Power Flow Model in .			Choose					
		V injection at Point of Interconnection		Choose					
24	Choose Dynamic Model in .dyo	d format		Choose					
25	Choose PSLF plot showing flat	t Pg and Qg for 10 seconds no-disturbance dynamic simula	ation	Choose					
26 27	Attachment A, Consistency wit	th Appendix 1 Data input, and Non-Technical Validatio	'n						
28	Choose Is Appendix 1 properly	/ filled out? Boxes checked, data consistent with technical	data in this form?	Choose					
29	nsert Notes Here:								
30									
31	1								
32 (Choose Is the POI an existing	(or planned) PTO facility under CAISO control?		Choose					
	nsert Notes Here:								
34						_			
35					Date:	mm/dd/yyyy	Commenter Name:		
36 (Choose Do the GPS coordinat	es in Appendix 1 match the Site Map?		Choose	_		Representing:	Choose One	
1	Instructions	I. Project Configuration II. Technical Validatio	n III. Power F	low Model	IV. Dy	namic Model V.	IR Validation & Co	omments Versio	on Conti 🕂 🕴 🖣
D	L. 93								



Voltage Ride-Through Requirement for Asynchronous Generating Facilities



Voltage Ride-through Capability

- 1. Remain online for voltage disturbance
- Momentary cessation is prohibited unless when the transient high voltage ≥ 1.2 pu
- 3. For transient low voltage conditions, inject reactive current proportional to terminal voltage reduction and reaches full reactive current at voltage of 0.5 pu
- 4. For transient high voltage between 1.0 pu and 1.2 pu, absorb reactive current
- Automatically transition to normal current injection upon voltage recovery to 0.9 pu ~ 1.1 pu and ramp up active current at a minimum ramp rate of 100% per second



Voltage Ride-through Capability

- 6. Inverters may not trip or cease current injection for momentary loss of the phase lock loop
- 7. Following an inverter trip, make at lease one attempt to resynchronize with 2.5 min unless tripped due to a fatal fault code
- 8. Coordinate inverter controls with plant level controller



Diagnostic Equipment Requirements for Inverterbased Generation

For plants with net export > 20 MW

- 1. Plant level data: monitor plant voltage, current and power factor, and any plant protective relay trips.
- 2. Inverter level data: record ride through events and phase lock loop status
- 3. Time synchronization of data (1 mSec)
- 4. Data retention: retain data for 30 calendar days
- 5. Data reporting: provide data within 10 calendar days
- 6. Install a PMU or equivalent (minimum 30 samples per sec). Real time telemetry is not required.





FERC Order ER19-1153

http://www.caiso.com/Documents/Jul2-2019-OrderAcceptingTariffAmendment-Inverter-BasedInterconnectionRequirements-ER19-1153.pdf



Questions?



Studies & Study Results



Objective – Studies, Study Results

- Understand the study processes and study results
- Understand generation deliverability
- Understand different types of network upgrades
- Understand cost allocation and cost responsibilities
- Understand requirements for posting financial security



Interconnection Process Map





Generation Interconnection Study Process-General Timeline Interconnection Customer Decision Deliverability Status, **TPD Allocation** Deliverability Option, MW, Choices etc Annual 1^{st} IFS Posting \rightarrow 2nd IFS Posting **TPD Allocation** Phase I Study Phase II Study ≻ Reassessment

Study Process

Acronyms:

April

IFS - Interconnection Financial Security TPD – Transmission Plan Deliverability

May ~ Nov



July ~ Jan

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Jan ~ March

March ~ July

May

Scope of Interconnection Studies

- Deliverability Assessment
 - On-Peak Deliverability Assessment
 - Off-Peak Deliverability Assessment
- Reliability Assessment
 - Power Flow Contingency Analysis
 - Post-Transient Stability Analysis
 - Transient Stability Analysis
 - Energy Storage Charging Analysis
 - Short Circuit Analysis



Deliverability Assessment

	On-Peak	Off-Peak
Purpose	Ensure system reliability, i.e. generation capacity is not constrained by the transmission capability when needed for reliability; for Resource Adequacy purpose	Address renewable curtailment due to local transmission constraints
Resources under Test	FCDS/PCDS	Wind and Solar
Load Condition	Summer peak sale and peak consumption	55% ~ 60% of summer peak sale; corresponding to load levels in many hours in all seasons
Non-intermittent Resources	QC	Historical minimum
Intermittent Resources	Low to medium output per methodology	Medium to high output per methodology



Deliverability Statuses

- On-Peak: for Resource Adequacy (RA)
 - Full Capacity Deliverability Status (FCDS), Partial Capacity Deliverability Status (PCDS) or Energy-Only (EO)
 - FCDS and PCDS resources can count for Resource Adequacy; EO can't
- Off-Peak*: Reduces curtailment risk; not required for RA
 - Off-Peak Deliverability Status (OPDS) or Economic Only (ECO)
 - OPDS resources can self-schedule; ECO can't self-schedule except for self-scheduling in RTM up to DAM award
 - * Pending FERC approval



On-Peak Deliverability Assessment

- Ensure generation capacity is not constrained by the transmission when needed for system reliability
- Two study scenarios that align the generation outputs with the load conditions when the system capacity needs are the highest
- Two types of constraints and associated upgrades are identified
 - Local Delivery Network Upgrades for local constraints
 - Area Delivery Network Upgrades for area constraints



Area Constraints and Transmission Plan Deliverability (TPD)

- For each area constraint, a Transmission Plan Deliverability (TPD) is calculated
 - Renewable portfolios are developed by the CPUC and then utilized in the ISO Transmission Planning Process (TPP)
 - ISO TPP approves new transmission upgrades to meet reliability, economic planning and policy needs
 - The transmission system with the TPP approved transmission upgrades provides capability to support a certain level of generation deliverability behind each area constraint, which is called Transmission Plan Deliverability (TPD)



Deliverability Option Associated with FCDS/PCDS

- Option (A)
 - The interconnection request requires Transmission
 Plan Deliverability to move forward
- Option (B)
 - The interconnection customer is willing to fund ADNUs if they fail to receive a TPD allocation



Questions?

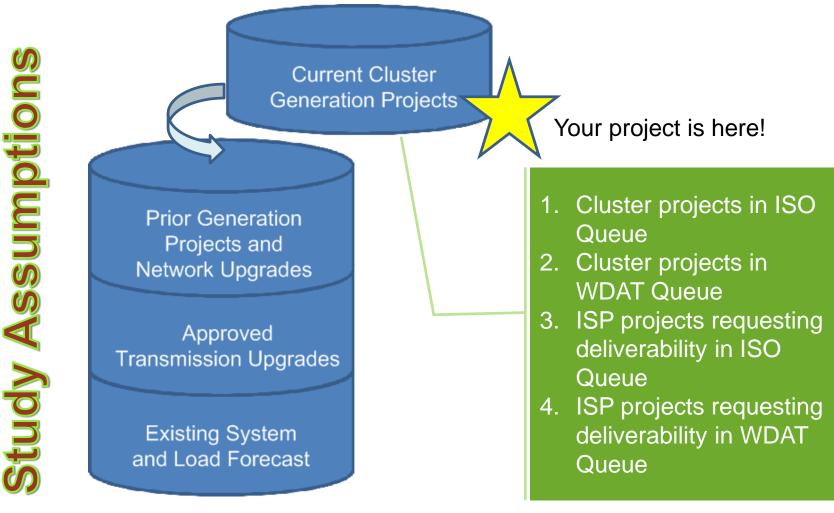


Study Process Phase I and Phase II Studies



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Phase I and Phase II Studies – Model Development



Acronyms:

WDAT – Wholesale Distribution Access Tariff **ISP – Independent Study Process**



ISO Public

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Phase I and Phase II Studies

Studies are performed based on applicable ISO Tariff and in coordination with the applicable PTOs

- Deliverability Assessment
 - Generating Mode
 - On Peak
 - Off-Peak
- Reliability Assessment
 - Generating Mode (Simultaneous maximum generation)
 - On Peak
 - Off-Peak
 - Charging Mode (Simultaneous max charging)
 - Peak or Shoulder Peak
 - Off-Peak



Additional Phase II Operational Study

Current Cluster date-based transmission assessment is performed.

- Year by year peak deliverability assessments
- Year by year reliability assessments
- One study model per study year
- Transmission upgrades are modeled according to their in-service dates
- Generation projects are modeled according to their commercial operation dates



Phase I and Phase II Studies – what to expect out of the studies

- Facilities required to interconnect the project
 - Some are PTO's Interconnection Facilities (IF)
 - Some are Interconnection Reliability Network Upgrades (IRNU)
- Upgrades to mitigate adverse impacts and deliver power to the grid
 - General Reliability Network Upgrades (GRNU)
 - Local Delivery Network Upgrades (LDNU)
 - Area Delivery Network Upgrades (ADNU)
 - Local Off Peak Delivery Network Upgrades (LOPNU)
 - Area Off Peak Delivery Network Upgrades (AOPNU)



Phase I and Phase II Studies – what to expect out of the studies (Cont'd)

- Estimated costs and construction time for IFs and NUs
- Potential Affected System impacts and coordination



Purposes of Network Upgrades

IRNU	Achieve physical interconnection to the grid e.g. equipping a bus position at the POI substation to terminate the gen-tie
GRNU	Mitigate reliability impacts e.g. circuit breaker upgrades, RAS
LDNU	Mitigate local deliverability constraints to be able to count for Resource Adequacy e.g. line reconductoring needed for a few generators in a small localized area
ADNU	Increase generation deliverability behind an area constraint e.g. a major upgrade to provide incremental deliverability for generators spread in a wide area
LOPNU	Mitigate local transmission constraints due to high wind and solar output
AOPNU	Relieve area transmission constraints due to high wind and solar output (information only)



Applicability of Network Upgrades

IRNU	All interconnection requests
GRNU	All interconnection requests
LDNU	FCDS/PCDS interconnection requests
ADNU	Option B FCDS/PCDS interconnection requests
LOPNU	OPDS interconnection requests that contain wind or solar*
AOPNU	For information only

* Pending FERC approval



Affected Systems

- The ISO does not comprehensively study the impacts on Affected Systems
- The Interconnection Customer shall:
 - cooperate with the ISO in all matters related to the Affected System studies,
 - enter into a study agreement with the Identified Affected System Operator to evaluate potential impacts on the Identified Affected System, and
 - pay for necessary studies and any upgrades necessary to mitigate the impacts of the interconnection on the Identified Affected Systems



Questions?



Study Process

Annual Reassessment



ISO Public

TPD Allocation

- All projects must meet the criteria for one of the seven allocation groups (eligible) to receive TPD allocation
- In an electrical area *without binding area constraints*, all eligible projects receive TPD allocation
- In an electrical area *with binding area constraints*
 - TPD is first reserved for prior commitments;
 - TPD is then allocated to current generation projects in the electrical area based on the grouping and ranking scores reflecting the project development status in the submitted affidavits
- Option (A) and Option (B) projects get the same treatment in the TPD allocation study



TPD Allocation (Cont.)

- If a project does not receive full allocation for its requested deliverability status
 - Option (A) projects may park the entire or a portion of the project and get a second chance of TPD allocation, and a third chance of TPD allocation if TPD is still available and not assigned NUs needed by other projects in the same or later clusters
 - Both Option (A) and Option (B) projects may change the project size or deliverability status to match the allocation



Reassessment

- The Network Upgrade requirements could change after the Phase II study due to:
 - Generation project withdrawals
 - Generation project downsizing
 - Generation project modifications allowed by the tariff
 - System condition changes, such as newly approved transmission upgrades, resource retirement, etc.
- The reassessment is completed to update the Network Upgrade requirements and cost responsibility following TPD allocation



Questions?



For Cluster 10 and prior

Cost Responsibility and Max Cost Responsibility



ISO Public

Cost Re-allocation in the Annual Reassessment

- NU cost re-allocation (CR)
 - If an NU is no longer needed for all projects in the reassessment, the cost is removed
 - If an NU or its alternative is needed, the cost is allocated to the remaining projects in the original responsible group *pro rata* on the Phase II cost allocation factors
- Maximum (RNU + LDNU) cost responsibility (MCR)
 - Original MCR: lower between Phase I and Phase II
 - Current MCR: maximum RNU and LDNU cost responsibility effective until the reassessment is issued
 - Updated MCR: maximum RNU and LDNU cost responsibility updated in the reassessment and effective once the reassessment is issued



Final Costs in the Annual Reassessment

- Updated maximum (RNU+LDNU) cost responsibility
 - If (CR) is at least 20% lower and at least \$1M lower than the current MCR,

updated MCR = min{current MCR,

sum of 100% costs of all remaining (RNU + LDNU)}

If {(CR) > current MCR} and {current MCR < original MCR},

updated MCR = min{(CR), original MCR}

– Otherwise, *updated MCR* = current MCR

 Current cost responsibility (CCR) = min {(CR), (Updated MCR)}



Questions?



For Cluster 11 and beyond

Cost Responsibility, Max Cost Responsibility and Max Cost Exposure



Network Upgrade Groups

Assigned Network Upgrade (ANU)

RNUs, LDNUs and LOPNUs* for which the Interconnection Customer has a direct cost responsibility.

Conditionally Assigned Network Upgrade (CANU)

RNUs, LDNUs and LOPNUs whose cost responsibility is assigned to an earlier Interconnection Customer, but which may fall to the then current Interconnection Customer.

• Precursor Network Upgrade (PNU)

Network Upgrades required for an Interconnection Customer that consist of (1) Network Upgrades whose cost responsibility is assigned to an earlier Interconnection Customer that has executed its GIA; and (2) Network Upgrades in the approved CAISO Transmission Plan.

* Inclusion of LOPNUs is pending FERC approval



Cost Responsibility Definitions

Current Cost Responsibility (CCR)

The sum of the Interconnection Customer's current allocated costs for ANUs, not to exceed the MCR. This cost is used to calculate the Interconnection Customer's IFS requirement.

Maximum Cost Responsibility (MCR)

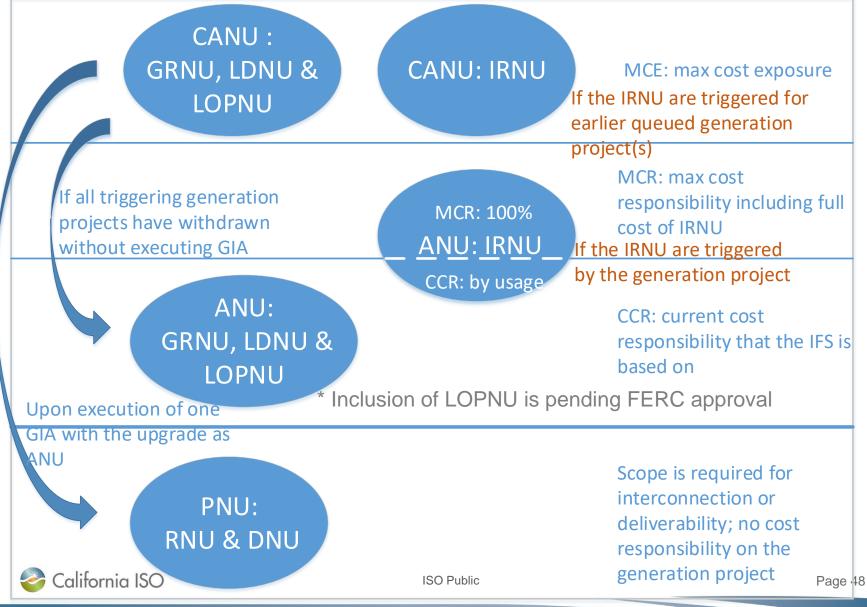
The lower sum of an Interconnection Customer's (1) full cost of assigned IRNUs and (2) allocated costs for all other ANUs, from its Phase I or Phase II Interconnection Studies, not to exceed the MCE.

• Maximum Cost Exposure (MCE)

The sum of (1) the Interconnection Customer's MCR and (2) the cost of the Interconnection Customer's CANUs from its Phase I or Phase II Interconnection Studies.



Network Upgrades and Cost Responsibility



Phase I and Phase II Cost Allocation

• RNU, LDNU and LOPNU cost allocation

Network Upgrade Type	ANU		CANU
	CCR Allocation	MCR Allocation	MCE Allocation
IRNU	Equally divided	Full cost	Full cost
GRNU – short circuit upgrades	Pro rata by short circuit contributions		
GRNU – other	Pro rata by MWs at POI		
LDNU	Pro rata by flow impacts		
LOPNU*	Pro rata by flow impacts		

* LOPNU cost allocation is pending FERC approval

- Phase I ADNU assignment: Project MW x Cost Rate
- Phase II ADNU cost allocation for Option (B): pro rata by flow impacts



CCR, MCR and MCE at Phase I

- Upon completion of Phase I study
 - CCR = allocated ANU: <u>basis for first IFS posting</u>
 - MCR = full cost of IRNU + other allocated ANU
 - MCE = MCR + CANU allocation
- Option (B) interconnection requests also post IFS for assigned ADNU cost



CCR, MCR and MCE at Phase II

- Upon completion of Phase II study
 - MCR = lower between(Phase I ANU MCR + Phase I CANU converting to ANU in Phase II, Phase II ANU MCR allocation)
 - CCR = lower between (Phase II ANU CCR allocation, Phase II MCR): <u>basis for second IFS posting</u>
 - MCE = Phase II MCR + Phase II CANU allocation
- Option (B) interconnection requests not receiving TPD allocation also post IFS for allocated ADNU cost

* CCR and MCE cost could be higher in Phase II than



Cost Re-Allocation in Reassessment

- For ANU in reassessment
 - If new upgrades are identified for the first time, allocate cost the same as Phase I and Phase II
 - Otherwise, re-allocate among remaining active projects by normalizing Phase II cost shares
- For CANU in reassessment
 - No re-allocation after Phase II, i.e. fixed at Phase II allocation in reassessment if still needed



CCR, MCR and MCE in Reassessment

- If a CANU is no longer needed or becomes PNU, MCE is reduced by the Phase II allocated CANU cost.
- If a CANU becomes ANU, MCR increases by the Phase II allocated CANU cost.
- If projects in the same cluster triggering an IRNU as ANU posted 3rd IFS, the MCR for other projects sharing the IRNU is reduced by the posted amount.



CCR, MCR and MCE in Reassessment (Cont'd)

 If ANU reallocation is at least 20% lower and at least \$1M lower than the MCR,

MCR = min{*MCR*, *sum* of 100% costs of all remaining *ANUs*}

- If ANU reallocation > MCR and MCR < Phase II MCR, MCR = min{ANU reallocation, Phase II MCR + Phase II CANU converted to ANU}
- CCR = min{ANU reallocation, MCR}



Questions?



Study Reports



Phase I and Phase II Study Reports and Addenda

- During the life-cycle of interconnection process, an IC will receive various project reports from the ISO
 - Final Phase I and Phase II study reports
 - Addendum to Phase I and/or Phase II report
 - Correction to non-substantial errors or omissions
 - Remove cost responsibility after an assigned NU is approved in TPP
 - Does not change the next IFS posting due date
 - Revised Phase I and/or Phase II reports
 - Correction to substantial errors or omissions
 - May change the next IFS posting due date



Post-Phase II Notification and Updates

- During the life cycle of interconnection process, an IC will also receive from the ISO:
 - Notification of TPD allocation results
 - Information about the TPD allocation results
 - Annual reassessment reports
 - Updated NU requirements and cost responsibility



Resources

- Deliverability assessment methodology (to be updated) <u>http://www.caiso.com/Documents/PLANNING/Reliability%20requirements/</u> <u>Deliverability/Deliverability%20assessment%20methodologies</u>
- TPP and TPD

http://www.caiso.com/planning/Pages/TransmissionPlanning/Default.aspx

• Study plans, data and reports

https://portal.caiso.com/tp/Pages/default.aspx

(This is a secure website that requires signed NDA with the ISO and certificate)

• Network upgrade cost responsibility

http://www.caiso.com/Documents/Upgrade-Cost-Responsibility-Implementation.pdf



Resources

- Instruction to Transmission Plan Data NDA submission <u>http://www.caiso.com/Documents/RegionalTransmissionNonDisclosureAgr</u> <u>eementSubmissionInstructions.pdf</u>
- Regional Transmission NDA Form
 <u>http://www.caiso.com/Documents/RegionalTransmissionNDA.pdf</u>



Questions?

