 California ISO	Operating Procedure Attachment	Procedure No.	4410D
		Version No.	4.5
		Effective Date	7/20/2023
Emergency Assistance Resource IDs		Distribution Restriction: None	

The following assists in determining pre-assigned Interchange market Resource IDs for use in conjunction with CAISO Operating Procedure [4410 Emergency Assistance](#), in the event that emergency assistance (Energy or Capacity) is requested from, or provided to, adjacent BAs.

These emergency assistance Resource IDs associated with the respective BA's SC have been placed in the Master File.

The tie points that have been selected for emergency assistance have been determined as a result of prior emergency events.

The corresponding CAISO E-Tag should include the following in the Misc. Info. Field of the Physical Path (See table on the following pages):



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Emergency Assistance Resource IDs

**Distribution Restriction:
None**

Token	Value																																																																			
CAISO_CONTRACT	NONE																																																																			
CAISO_PRODUCT	ENGY																																																																			
CAISO_RES_ID	Use a Resource ID from the corresponding SC_ID below:																																																																			
	<table border="1"> <thead> <tr> <th style="background-color: #d9ead3;">BAs</th> <th style="background-color: #d9ead3;">SC_ID</th> <th style="background-color: #d9ead3;">RES_ID</th> </tr> </thead> <tbody> <tr> <td rowspan="6">Arizona Public Service Company (AZPS)</td> <td>APS4</td> <td>APS4_NRTHGILA500_E_F_EMERG</td> </tr> <tr> <td>APS4</td> <td>APS4_NRTHGILA500_I_F_EMERG</td> </tr> <tr> <td>APS4</td> <td>APS4_PWWEST_E_F_EMERG</td> </tr> <tr> <td>APS4</td> <td>APS4_PWWEST_I_F_EMERG</td> </tr> <tr> <td>APS4</td> <td>APS4_WILLOWBEACH_E_F_EMERG</td> </tr> <tr> <td>APS4</td> <td>APS4_WILLOWBEACH_I_F_EMERG</td> </tr> <tr> <td rowspan="4">Avista Corp. (AVA) (Non-Adjacent BA)</td> <td>AVWP</td> <td>AVWP_MALIN500_E_F_EMERG</td> </tr> <tr> <td>AVWP</td> <td>AVWP_MALIN500_I_F_EMERG</td> </tr> <tr> <td>AVWP</td> <td>AVWP_NOB_E_F_EMERG</td> </tr> <tr> <td>AVWP</td> <td>AVWP_NOB_I_F_EMERG</td> </tr> <tr> <td rowspan="16">Balancing Authority of Northern California (BANC)</td> <td>MID1</td> <td>MID1_TESLA230_I_F_EMERG</td> </tr> <tr> <td>MID1</td> <td>MID1_WESTLYTSLA_E_F_EMERG</td> </tr> <tr> <td>RDG1</td> <td>RDG1_CTW230_E_F_EMERG</td> </tr> <tr> <td>RDG1</td> <td>RDG1_CTW230_I_F_EMERG</td> </tr> <tr> <td>RSVL</td> <td>RSVL_TRCYPGAE_I_F_EMERG</td> </tr> <tr> <td>RSVL</td> <td>RSVL_CTW230_I_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_LAKE_E_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_LAKE_I_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_RANCHOSECO_E_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_RANCHOSECO_I_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_TRCYPGAE_E_F_EMERG</td> </tr> <tr> <td>SMUD</td> <td>SMUD_TRCYPGAE_I_F_EMERG</td> </tr> <tr> <td>WSNR</td> <td>WSNR_CTW230_E_F_EMERG</td> </tr> <tr> <td>WSNR</td> <td>WSNR_TESLA230_E_F_EMERG</td> </tr> <tr> <td>WSNR</td> <td>WSNR_TRCYPGAE_E_F_EMERG</td> </tr> <tr> <td>WSNR</td> <td>WSNR_CTW230_I_F_EMERG</td> </tr> <tr> <td rowspan="4">Bonneville Power Administration Transmission (BPAT)</td> <td>BPA1</td> <td>BPA1_MALIN500_E_F_EMERG</td> </tr> <tr> <td>BPA1</td> <td>BPA1_MALIN500_I_F_EMERG</td> </tr> <tr> <td>BPA1</td> <td>BPA1_NOB_I_F_EMERG</td> </tr> <tr> <td>BPA1</td> <td>BPA1_NOB_E_F_EMERG</td> </tr> </tbody> </table>	BAs	SC_ID	RES_ID	Arizona Public Service Company (AZPS)	APS4	APS4_NRTHGILA500_E_F_EMERG	APS4	APS4_NRTHGILA500_I_F_EMERG	APS4	APS4_PWWEST_E_F_EMERG	APS4	APS4_PWWEST_I_F_EMERG	APS4	APS4_WILLOWBEACH_E_F_EMERG	APS4	APS4_WILLOWBEACH_I_F_EMERG	Avista Corp. (AVA) (Non-Adjacent BA)	AVWP	AVWP_MALIN500_E_F_EMERG	AVWP	AVWP_MALIN500_I_F_EMERG	AVWP	AVWP_NOB_E_F_EMERG	AVWP	AVWP_NOB_I_F_EMERG	Balancing Authority of Northern California (BANC)	MID1	MID1_TESLA230_I_F_EMERG	MID1	MID1_WESTLYTSLA_E_F_EMERG	RDG1	RDG1_CTW230_E_F_EMERG	RDG1	RDG1_CTW230_I_F_EMERG	RSVL	RSVL_TRCYPGAE_I_F_EMERG	RSVL	RSVL_CTW230_I_F_EMERG	SMUD	SMUD_LAKE_E_F_EMERG	SMUD	SMUD_LAKE_I_F_EMERG	SMUD	SMUD_RANCHOSECO_E_F_EMERG	SMUD	SMUD_RANCHOSECO_I_F_EMERG	SMUD	SMUD_TRCYPGAE_E_F_EMERG	SMUD	SMUD_TRCYPGAE_I_F_EMERG	WSNR	WSNR_CTW230_E_F_EMERG	WSNR	WSNR_TESLA230_E_F_EMERG	WSNR	WSNR_TRCYPGAE_E_F_EMERG	WSNR	WSNR_CTW230_I_F_EMERG	Bonneville Power Administration Transmission (BPAT)	BPA1	BPA1_MALIN500_E_F_EMERG	BPA1	BPA1_MALIN500_I_F_EMERG	BPA1	BPA1_NOB_I_F_EMERG	BPA1	BPA1_NOB_E_F_EMERG
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Avista Corp. (AVA) (Non-Adjacent BA)	AVWP	AVWP_MALIN500_E_F_EMERG																																																																		
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Balancing Authority of Northern California (BANC)	MID1	MID1_TESLA230_I_F_EMERG																																																																		
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**Distribution Restriction:
None**

Token	Value		
CAISO_RES_ID	BAs	SC_ID	RES_ID
	Centro Nacional de Control de Energia (CEN)	CNAC	CNAC_CFEROA_E_F_EMERG
		CNAC	CNAC_CFEROA_I_F_EMERG
		CNAC	CNAC_CFETIJ_E_F_EMERG
		CNAC	CNAC_CFETIJ_I_F_EMERG
	Imperial Irrigation District (IID)	IIDE	IIDE_IVLY2_E_F_EMERG
		IIDE	IIDE_IVLY2_I_F_EMERG
		IIDE	IIDE_MIR2_E_F_EMERG
		IIDE	IIDE_MIR2_I_F_EMERG
		IIDE	IIDE_PWWEST_I_WHL_EMERG
		IIDE	IIDE_PWWEST_E_WHL_EMERG
		IIDE	IIDE_MIR2_I_WHL_EMERG
		IIDE	IIDE_MIR2_E_WHL_EMERG
		IIDE	IIDE_MEAD230_I_WHL_EMERG
		IIDE	IIDE_MEAD230_E_WHL_EMERG
	Los Angeles Department of Water and Power (LDWP)	LDWP	LDWP_ELDORADO500_E_F_EMERG
		LDWP	LDWP_ELDORADO500_I_F_EMERG
		LDWP	LDWP_LUGO_E_F_EMERG
		LDWP	LDWP_LUGO_I_F_EMERG
		LDWP	LDWP_SYLMAR_E_F_EMERG
		LDWP	LDWP_SYLMAR_I_F_EMERG
		SCE1	SCE1_LUGO_E_F_EMERG
		SCE1	SCE1_LUGO_I_F_EMERG
	Nevada Power Company (NEVP)*	NVPM	NVPM_NWEST_I_F_EMERG
		NVPM	NVPM_NWEST_E_F_EMERG
		NVPM	NVPM_AMARGOSA230_I_F_EMERG
		NVPM	NVPM_AMARGOSA230_E_F_EMERG
		NVPM	NVPM_MERCURY138_E_F_EMERG
		NVPM	NVPM_MERCURY138_I_F_EMERG
		NVPM	NVPM_MEAD230_E_F_EMERG
		NVPM	NVPM_MEAD230_I_F_EMERG
		NVPM	NVPM_ELDORADO230_E_F_EMERG
		NVPM	NVPM_ELDORADO230_I_F_EMERG
		NVPM	NVPM_HA500_E_F_EMERG
		NVPM	NVPM_HA500_I_F_EMERG
		NVPM	NVPM_MOHAVE500_E_F_EMERG
		NVPM	NVPM_MOHAVE500_I_F_EMERG
	SPPC	SPPC_SILVERPEAK55_E_F_EMERG	

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Emergency Assistance Resource IDs

Distribution Restriction: None

Token	Value		
	BAs	SC_ID	RES_ID
Nevada Power Company (NEVP)* <i>Continued</i>	SPPC	SPPC	SPPC_SILVERPEAK55_I_F_EMERG
	SPPC	SPPC	SPPC_SUMMIT120_E_F_EMERG
	SPPC	SPPC	SPPC_SUMMIT120_I_F_EMERG
PacifiCorp (PACW)	PAC1	PAC1	PAC1_MALIN500_E_F_EMERG
	PAC1	PAC1	PAC1_MALIN500_I_F_EMERG
	PAC1	PAC1	PAC1_MDWP_E_F_EMERG
	PAC1	PAC1	PAC1_MDWP_I_F_EMERG
	PAC1	PAC1	PAC1_MEAD230_E_F_EMERG
	PAC1	PAC1	PAC1_MEAD230_I_F_EMERG
Puget Sound Energy (PSE) (non-adjacent BA)	PSE1	PSE1	PSE1_MALIN500_I_F_EMERG
	PSE1	PSE1	PSE1_MALIN500_E_F_EMERG
	PSE1	PSE1	PSE1_NOB_I_F_EMERG
	PSE1	PSE1	PSE1_NOB_E_F_EMERG
Salt River Project (SRP)	SRP1	SRP1	SRP1_PVWEST_E_F_EMERG
	SRP1	SRP1	SRP1_PVWEST_I_F_EMERG
Turlock Irrigation District (TIDC)	TIDS	TIDS	TIDS_WESTLYQNT0_E_F_EMERG
	TIDS	TIDS	TIDS_WESTLYQNT0_I_F_EMERG
	TIDS	TIDS	TIDS_WESTLYTSLA_E_F_EMERG
	TIDS	TIDS	TIDS_WESTLYTSLA_I_F_EMERG
	TIDS	TIDS	TIDS_TRCYCOTP_E_F_EMERG
	TIDS	TIDS	TIDS_TRCYCOTP_I_F_EMERG
Western Area Colorado Missouri (WACM) (non-adjacent BA)	WCRS	WCRS	WCRS_MEAD230_I_F_EMERG
	WCRS	WCRS	WCRS_PARKER230_I_F_EMERG
	WCRS	WCRS	WCRS_PVWEST_I_F_EMERG
Western Area Lower Colorado (WALC)	DSNV	DSNV	DSNV_MEAD230_I_F_EMERG
	DSWM	DSWM	DSWM_MEAD230_E_F_EMERG
	DSWM	DSWM	DSWM_MEAD230_I_F_EMERG
	DSWM	DSWM	DSWM_PARKER230_E_F_EMERG
	DSWM	DSWM	DSWM_PARKER230_I_F_EMERG

*Note: In all other references the CAISO refers to Nevada Power Company as NVE. The references here are from the NAESB EIR.

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Emergency Assistance Resource IDs		Distribution Restriction: None


Operationally Affected Parties

Shared with the Public.

Version History

Version	Change	Date
3.2	<ul style="list-style-type: none"> Alphabetized by BA instead of SCID. Added IID section. Spelled out CENACE. Renamed WALC to match Missouri Colorado format. Corrected PAC1_MALIN500_E_F_EMERG (Added missing G at the end) Corrected E-Tag reference. Corrected Acronym for NV Energy 	7/28/17
3.3	<p>Updated the BA column to display NASEB EIR names and acronyms.</p> <p>Removed the Modesto Irrigation District (MID) row and added the two MID1 resource IDs to the BANC section.</p> <p>MID is not a BA and the resource IDs have tie points at BANC.</p>	12/21/18
3.4	<p>Added a new BA section, AVA, with the following emergency resource IDs. Avista Corp is a non-adjacent BA.</p> <p>AVWP_MALIN500_I_F_EMERG AVWP_MALIN500_E_F_EMERG AVWP_NOB_I_F_EMERG AVWP_NOB_E_F_EMERG</p> <p>Added Operationally Affected Parties and document control footer.</p>	2/05/19
3.5	<p>The BA, CEN, changed their SC ID from CEN1 to CNAC – updated CEN’s SC_ID column and RES_ID column, for effective date Thursday, 11/14/2019.</p>	11/14/19
3.6	<p>Added HA500 RESID’s for Harry Allen 500 kV.</p>	8/12/20
4.0	<p>Periodic Review: Minor formatting changes only – no content changes.</p>	9/25/20
4.1	<p>Created Emergency Assistance Wheel Resource ID for IID per CIDI Ticket 00231030.</p> <p>Updated instances of ISO to CAISO and minor formatting.</p>	3/18/21
4.2	<p>Added emergency assistance resources for BANC per RDT request. The Balancing Authority of Northern California (BANC) is submitting a request to add new Intertie Resource IDs for emergency assistance between BANC and CAISO. Removed history prior to five years.</p>	8/20/21
4.3	<p>Added Emergency assistance resource for Roseville per BANC’s request.</p>	9/17/21
4.4	<p>Added SCID RDG1 (City of Redding) under BANC.</p>	11/04/21

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Version	Change	Date
4.5	Periodic Review: Updated to include emergency IDs for Puget Sound Energy. Removed history prior to five years.	7/20/23