Y-W Electric	c Association, Inc.			Colo P	UC No.	3	
Nam	ne of Utility	Cancels	Original	S	Sheet No Sheet No	100	
	IV. Rules ar	nd Regulations - Generator	· Interconnection Pro	ocedure		I	р С
		Rules, Regulations, or Exte	ension Policy				J d C e
A. <u>GENER</u>	RAL:						
(1)	Purpose of Generator In The purpose of this Gen determining the requirer the Association or not, t certificated service territ consumer-owned genera generation will be subje	terconnection Procedure erator Interconnection Procedur nents for, and applying for the i o the Association's distribution tory. This GIP sets forth the po- ation as well as the requirements ct to.	re ("GIP") is to assist int interconnection of gener or subtransmission facil licies of the Association s and regulations that the	terested parties in ation facilities, v lities within Asso as to the interco e consumer's int	n evaluating whether own ociation's onnection of erconnectin	g, ned by g	
(2)	Dispute Resolution The utility and consume according to the provisio	er shall agree to attempt to resolvons of this subparagraph.	ve all disputes arising ou	it of the intercon	nnection pro	cess	
	In the event of a dispute shall describe in detail the after receipt of the notic for assistance in resolvin	e, either party shall provide the of he nature of the dispute. If the of e, either party may contact a mung the dispute.	other party with a written dispute has not been reso utually agreed upon third	n notice of dispur olved within five a party dispute re	te. Such not business d esolution se	tice ays rvice	
	The dispute resolution s dispute resolution venue the parties in resolving t	ervice will assist the parties in e e (e.g., mediation, settlement juc heir dispute.	either resolving their dis lge, early neutral evalua	pute or in selecti tion, or technica	ng an appro l expert) to	opriate assist	
	Each party shall conduc neutral third-parties.	t all negotiations in good faith a	nd will be responsible f	or one-half of an	iy costs paid	l to	
	If neither party elects to fails, then either party m terms of the agreements (the "Commission"), pu Notwithstanding anythin seeking resolution at the governing consumer com	seek assistance from the disput hay exercise whatever rights and between the parties or it may so rsuant to the Rules of Practice a ng to the contrary herein, before commission, consumer shall c mplaints.	e resolution service, or i l remedies it may have i eek resolution at the Col and Procedure, 4 Code o e exercising any rights or comply with the Associa	f the attempted on n equity or law or orado Public Uti f Colorado Regu r remedies it may tion's then appli	dispute reso consistent w ilities Comr ilations 723 y have, inclu- cable regula	lution rith the nission -1. uding ation(s)	
(3)	Definitions For the purposes of this and Policies, the followi	GIP, and not necessarily for any ing terms are defined thusly:	y other part of the Assoc	viation's Rules, F	Regulations	, Rates,	
	i. Generator: An form of energy energy, or them to wind generat combustion en	y piece of electrical equipment (such as mechanical energy, wh mal energy) into electrical energ tors of all sorts, photovoltaic so gines coupled to electric motors	which converts any non hether kinetic or potentic gy. This includes but is lar panels, turbines or in , and batteries.	-electrical al, chemical not limited ternal	DO NOT WR IN THIS SPA	ITE ICE	
	ii. Generating Res an area electric into it. For the the interface be included as a p fuses, and powe	source: A Generator designed to power system, generally owned purposes of this GIP, any rectif etween the Generator itself and t art of the Generating Resource. er relays are not part of the Gen	o interface with and sym d by a utility, and delive fier or inverter that form the area electric power s Transformers, circuit b terating Resource.	chronize to r energy s part of ystem is reakers,			
Advice Letter No.	117			Issue Date: N	ovember 15	5, 2022	
		Signature of Issuing	Officer				
Decision or Authority No.		General Mana	ager Eff	ective Date	January 1,	2023	

In Electric			
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		Cancels	Sheet No.
	IV. Rules and Regulation	ons - Generator Interconnectio	n Procedure
	Rules, Re	egulations, or Extension Policy	
	 iii. Distributed Energy Resource to the Association's distributi generation facilities for the pr these elements, as identified i facilities not owned by the int supplemental DER device tha or until such time new DERs does not include any later am inspection at the Commission 	(DER): the interconnection custom ion grid, including retail renewable roduction of electricity, energy stora in the interconnection request, but sl terconnection customer. DER inclu at is necessary for compliance with 1 applying for interconnection will co nendments or editions of this standar n's office, 1560 Broadway, Suite 250	er's source of electric power connected distributed generation, other small ge systems, or combination of any of nall not include the interconnection des an interconnection system or a EEE 1547-2018, until January 1, 2022, omply with IEEE 1547 2018. This rule d. This standard is available for public b, Denver, CO 80202.
	iv. Mainline: That portion of the Association's engineers as a all taps, being bounded by the distribution feeder or a norma one or two miles out from the less equally divided between ties with adjacent feeders. Th Association's engineers desig during outage restoration, as the Association's distribution syst during the off-season parts of mainlines.	e Association's electric distribution main feeder. This will generally be e main feeder recloser at the distribu ally-open tie with an adjacent feeder e substation before separating into tw them and each continuing onwards hese principal branches may both be gnate them as such. Mainlines typic they feed more customers and also n stem. In many cases, mainlines are of f the year. In no case shall any feed	system that is designated by the the main trunk line section(s), excluding tion substation and either the end of the . In limited cases, a feeder may proceed vo principal branches with loads more or to the end of the line or to normally-open designated as mainlines if the ally carry a higher order of precedence estore operational flexibility to the capable of emergency backfeeding er have more than two designated
	v. Interconnection Agreement: which establishes the terms are interconnect a Generating Res- therewith. For an interconnect GIP, the Interconnection App the Interconnection Agreement the form. For interconnection Level 1 Process requires supp the interconnection customer Agreement for Interconnection addendums, exhibits, and amo follow the format posted on the an example form of agreement with the particular requirement	The agreement between the intercon nd conditions under which the inter- source to the Association's electric ction under the Association's Level plication form is consolidated with the nt upon the Association's approval ns following the Association's other plemental review or facilities change 's expense, the Interconnection Agree on of Distributed Generation docume endments contained therein or made the Association's website in accorda nt, but may be modified for each inden nts and characteristics of that intercon-	nection customer and the Association connection customer is permitted to system and operate it in conjunction 1 Process, contained in Part C of this ne terms and conditions and so becomes of the interconnection and execution of interconnection processes, or where the est to the Association's electric system at element will consist of the fully executed ent together with all appendices, thereto. This document will generally nee with paragraph A(6) of this GIP as ividual interconnection in accordance onnection.
(4)	Applicability This GIP is applicable to all Generatin parallel with the Association's subtran Voltages available for Generator Intere for electric services as defined in I. Ru Consumers' Facilities, Section (2) Stat applicable whether the Generating Res machine, or an inverter-based resource connect under net metering service (as Metering), medium distributed generat Regulations, Part M. Medium Distribut service with or without standby service another entity outside the Association'	ng Resources interconnecting to and ismission or distribution systems at connection service are the same as v iles and Regulations, Part B. Delive ndard Voltages and Frequency. Thi source is a synchronous machine, ar e and whether the Generating Resou s defined in I. Rules and Regulations tion metering (as defined in I. Rules ited Generation Metering), non-expo e, or wheeling service for delivery a 's certificated service territory. The	DO NOT WRITE IN THIS SPACE
			I

General Manager

Effective Date

January 1, 2023

Name of Utility Original 102 Sheet No. Cancels Sheet No. IV. Rules and Regulations - Generator Interconnection Procedure Rules, Regulations, or Extension Policy standby generators is covered in I. Rules and Regulations, Part B. Delivery and Consumers' Facilities, Section 6. Standby Generator Installation. (5) Availability Subject to the terms of this GIP, Generator Interconnection service is available as follows: Net Metering Generator Interconnection service is available to DERs under the terms and conditions i. defined in I. Rules and Regulations, Part L. Net Metering on any service location normally connected through a wholesale delivery point from the Association's power provider where that delivery point's minimum load, with the anticipated maximum output of the proposed DER deducted, does not fall below the greater of: (a) 50 kW, or (b) 10% of the combined capacity ratings of all Generating Resources connected through that same wholesale delivery point, with wheeling and non-exporting services excluded. Wheeling Generator Interconnection service, whether the total output of the Generating Resource is ii. wheeled to an outside entity or only the output above the connected service location's consumption is wheeled, is available on any service location, provided that a power purchase agreement is kept continuously in effect between the owner of the Generating Resource and a purchaser of the generator output. iii. Non-exporting Generator Interconnection service is available on any service location, provided that protection is installed to trip the Generating Resource off-line if the instantaneous metered demand at that service location drops below 0 kW, and provided that any generating resources larger than the threshold defined in Rate 61 - Standby and Reserve Power Service be continuously served under Rate 61. Medium Distributed Generation Interconnection service is available under the terms and conditions of I. iv. Rules and Regulations, Part M. Medium Distributed Generation Metering as approved on an individual basis by the Association's Board of Directors, provided that any generating resources larger than the threshold defined in Rate 61 - Standby and Reserve Power Service be continuously served under Rate 61 or be covered under a power purchase or other operating or dispatching agreement with the Association. Additional Information (6)i. The Association will also publish on its website, on the same page as this GIP, blank copies of all forms which may be required for an interconnection application (hereinafter "Interconnection Application") as it goes through the application process. Each form will be available in a separate file. Questions regarding this GIP or regarding interconnections in general may be asked of the Association's iii. Director of Member Services or System Engineers. These personnel may be reached by phone at (970) 345-2291 or by email at interconnections@ywelectric.coop. In order to ensure DO NOT WRITE the timeliest response, all electronic correspondence should always include the N THIS SPACE interconnections@ywelectric.coop email account so that the message is sent to all relevant personnel in case the one person that a particular party may have been working with is not available at that time. (7)Enforcement of Generator Interconnection Procedure Any service location with an applicable interconnected Generator operating in violation of this GIP or Interconnection Agreement may be disconnected by the Association. Disconnections under this section shall be carried out in accordance with the Association's applicable procedures. Types of Interconnections (8)Interconnection applications will be processed pursuant to one of three levels based on the Advice Letter No. 117 Issue Date: November 15, 2022 Signature of Issuing Officer

Decision or

Authority No.

Y-W Electric Association, Inc.

Signature of issuing office

General Manager

Effective Date Jar

Colo PUC No.

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January 1, 2023

Y-W Electri	c Association	, Inc.	Col	o PUC No.	3
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	IV.	Rules and Regulations - Generator In	terconnection Procedure		I
		Rules, Regulations, or Extensi	on Policy		(
	characteristics	of the Generating Resource:			
	i. Leve (a) I (b) N	1 Interconnection Process—GIP Part C nverter-based Generating Resources up to 25 May be paired with a non-exporting energy st	5 kW AC. torage system no larger than 25 k	W AC.	
	ii. Leve (a) (I (b) I (2 Interconnection Process—GIP Part D Generating Resources generally up to 2 MW D herein. nterconnections that failed the screens of the 2)(vi)(a) herein).	AC, but up to 3 MW in certain c Level 1 Interconnection Process	ases, as defined	in Part Part C
	iii. Leve (a) A I (b) I I	1 3 Interconnection Process—GIP Part E Any interconnection not meeting the requiren Processes. nterconnections that failed the screens and su nterconnection Process.	nents of the Level 1 or Level 2 Ir upplemental review analyses of t	nterconnection he Level 2	
	The capacity of the nameplate generating sys the inverters, i whichever is s of the inverter machines, this	of an interconnection shall be equal to the size rating of the most constraining element of the tems, this shall be either the nameplate rating f multiple inverters are grouped together) or maller. For an inverter-connected wind gene or the nameplate rating of the generator, whi shall be the nameplate rating of the generator	e of the generating resource and le Generating Resource. For pho g of the inverter (or the sum of th the sum of the nameplate ratings erating system, this shall be eithe ichever is smaller. For induction or.	shall be determ tovoltaic solar te nameplate rate of the solar par r the nameplate or synchronou	ined by tings of nels, rating s
(9)	Engineering a The following following prod	nd Planning Practices for Interconnection Pro Engineering and System Planning data, as u cedures and analysis:	ocesses sed in this GIP, will be determin	ed according to	the
	i. Gene Gene fiftee Reso thoug panel panel that s inver Reso conna dowr	rating Resource Capacity: This is the maxim rating Resource can deliver into the Associat n minutes. This capacity shall be equal to th urce. For inverter-connected Generators, this shome photovoltaic solar Generating Resou s used. For example, if a proposed solar Gen s connected through a 10 kW inverter, then t ame 12 kW set of solar panels were to be con ter, the Generating Resource capacity would urce may also be capacity-limited by settings ected to its control equipment with the capab	num power capacity, in kilowatts ion's electric power system aver e most constraining element of the s is generally the nameplate capa rces may be limited by the combinerating Resource consists of a to he capacity of this Generating R nnected through a 15 kW be 12 kW. A Generating in a protective relay that is ility of throttling or shutting mit is exceeded	, that a propose aged over a per ne Generating city of the inver- ined ratings of tal of 12 kW of esource is 10 kV	d iod of rter, the solar f solar W. If RITE ACE
	ii. Capa subtr long name electi be re Asso Asso	city of the Association's system: The Association systems do not carry specific fixed distances over which electric power must be plate rating on any given piece of equipment ic system is not necessarily the limiting factor liably transferred from the wholesale delivery ciation purchases power from its wholesale p ciation's service locations where the consum	iation's distribution and ed capacity ratings. Due to the transmitted, the manufacturer's situated on the Association's or in how much electricity can y points at which the ower provider to the ers purchase power from the		
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		Signature of Issuing Off	icer		
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Y-W Electric Ass	sociation, Inc.		Colo	PUC No.	3
Name of U	Jtility	Original		Sheet No.	104
		Cancels		Sheet No.	
	IV. Rules and	Regulations - Generator Interconnection	Procedure		
		Rules, Regulations, or Extension Policy			
	Association. The element's conduc system to serve k and without causi process, normally basis from time to of the Association	e adequacy of the Association's electric system is etion of less than a pre-determined rated capacity, nown loads while maintaining voltage levels with ing the operation of any protection devices. This v conducted system-wide every few years, but occ o time. Therefore, for the purposes of this GIP, the n's distribution and subtransmission systems will	not determined b but rather by the iin the Association adequacy is dete casionally also per ne rated capacity be obtained as for	by any particula overall ability on's acceptable rmined by a strend erformed on a so of each circuit ollows:	ar circuit of the criteria udy smaller element
	(a) The peak loa measured and (if available) system that n occurred dur this calculation	d of each distribution feeder shall be the highest f d recorded by the profiling meter installed on that or the load snapshot value on that feeder as captu nost closely approximates the highest fifteen-min ing abnormal switching configurations or that are on.	ifteen-minute av feeder at the Associated by the Associated by the Associated average demains known to be inv	erage demand sociation's sub ciation's SCAI and. Values th alid are exclud	as ostation DA at led from
	(b) The peak loa recorded by or by the Ass	d of each substation shall be the highest fifteen-m the profiling meter installed on the main distributi sociation's SCADA system.	ninute average de ion bus at that su	emand as meass bstation (if ava	ured and uilable)
	(c) The peak loa the meter dat	d of the Association's electric system shall be the ta management system of the Association's whole	billing average esale power provi	demand as stor ider.	red in
	(d) The load of e sixty-minute system coinc or coincident available for	each service location shall be the fifteen-minute av average demand as metered and stored in the Ass ident to the peak load of the distribution feeder of t to the peak load of the Association's electric sys study purposes.	verage demand (i sociation's meter r substation servi tem, whichever i	if available) or data managen ng that deliver s most reasona	the nent y point bly
	(e) Once the load engineering the scaling up the feeder. If the switches between model at this	ds for each service location have been imported in model, the resulting load on each distribution feec e total service location loads to the maximum hist e study is being performed for the proposed additi ween adjacent feeders, these system changes will point.	nto the Association ler or substation toric load level fo ion of any new lo also be added int	on's electric sy may be increas or each substat bads or for any to the engineer	vstem sed by ion or load ing
	(f) The Associat adequately so design criteri	tion's engineers will then determine all improvem erve these finalized service location loads consist ia and with the most current Economic Conductor	ents required to a ent with the Asso Analysis.	allow the syste	m to m
	(g) When this fin necessary sys protection cr through each element on th of that element portion of the each element connected to	hal recommended system design is determined, co stem improvements and meeting the Association' iteria for all service locations, the modeled demar overhead, underground, protective device, and vo he Association's electric system shall become the ent. This capacity shall be retained and used until e system is studied again as described above. The t shall be contingent upon all planned improvement the same substation having been constructed.	onsisting of all s voltage and id served oltage regulator rated capacity the affected e capacity of nts on facilities	IN THIS SP	ACE
iii.	Sectionalizing Eq distribution and s	uipment Directional Operating Capability: The A ubtransmission systems are designed to operate ra	Association's adially and		
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	IV. Rules and	Regulations - Generator Interconnection	Procedure
	without energy s	ources other than at the substations that serve each	h distribution or transmission line. Due
	 without energy s to the substantial capabilities and o majority of the A installed utilizing distribution syste or additional gro planning process equipment as the exceed the capab with that cost be iv. Voltage Regulati is designed to op distribution or tr flow, particularly development. A power flow with New voltage reg most of the Asso to have it, yet thi power flow woul capability will re necessitating the v. Daytime Minimu loading on each recorded by the p lowest load snap of-interval time o day and two or m abnormal switch excluded from th the approximate 	ources other than at the substations that serve each l cost difference between simple sectionalizing eq digital sectionalizing equipment that also has direct Association's protective sectionalizing equipment g simple, non-directional equipment. There are line en where advanced protective equipment with bet und-fault sensing capabilities are needed. In these ses will prioritize the replacement of existing simple Association is able to handle this expense. Other bilities of simple sectionalizing devices to operate ing borne by the interconnecting customers necess ing Equipment Directional Operating Capability: berate radially and without energy sources other the ansmission line. Voltage regulation that correctly y from cogeneration sources and not just from back s such, much of the Association's voltage regulation out causing quality-of-service problems to faciliti- ulators being procured by the Association have bi- biciation's existing voltage regulators do not have to sequipment has a great deal of serviceable life re ld impact a voltage regulator that cost being bo- bidirectional-capable voltage regulation.	h distribution or transmission line. Due uipment without directional operating ctional operating capabilities, the vast is and will continue to be designed and mited locations on the Association's ter fault coordination capabilities and/ e cases, the Association's routine ble equipment with advanced protective r locations where reverse power flow correctly will require device upgrades, sitating the advanced protective system. The Association's distribution system an at the substations that serve each accommodates bidirectional power kfed lines, is a fairly recent ing equipment cannot tolerate reverse es downline of the voltage regulators. directional power flow capabilities, but his capability and cannot be upgraded maining. Locations where reverse ly have the bidirectional power flow orne by the interconnecting customers erconnections, the daytime minimum the average demand as measured and ociation's substation (if available) or the station's SCADA system where the end er the calculated sunrise time for that at day. Values that occur during or that correspond to outages are alculated at 40.0°N, 102.8°W, which is ritory.
	vi. Line Section Dat defined in the PU for the feeder ser ratio of the line s within the Assoc	ta: All generation capacities, and maximum and r JC regulations for interconnections, shall be deter rving that line section and then multiplying these section's peak load to the feeder's peak load, both station's electric system model.	ninimum loads for a line section, as mined by first calculating these values values by the as calculated
(10)	General Application Requ In addition to any require following requirements ap	airements ments specific to each type of Interconnection Ap oply to all applications made to the Association:	plication, the
	i. Interconnections of record at a par arrangement bety designer, or rese execute all applia authorized powe	require an agreement between the Association an rticular service location, as there is no particular b ween the Association and any Generating Resource ller. Therefore, the customer of record for that loc cations and agreements. The interconnection cust r of attorney agent with contractual capacity must	d its customer usiness e installer, cation must omer or a duly sign all Pre-
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-W Electric As	sociation, Inc.		Colo PUC No.	3
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	IV. Rules and F	Regulations - Generator Interconnection	Procedure	
		Rules, Regulations, or Extension Policy		
	Application Interco Agreements in the(a) Documents be(b) Documents be Association.	onnection Data Request forms, Interconnection A locations noted. Signatures must be authentic as ing submitted in hardcopy must be original docu ing submitted in electronic form must be digitall	pplications, and Interconnec follows: ments wet-ink signed. y signed in a manner approve	tion ed by the
ii.	 Payments for Pre-A must be received to will be considered their installer, desig (a) Payment may an interconnec (b) Payment may be the outside of the outside of the outside of the customer must and Interconnec 	Application Interconnection Data Request forms a ogether with the respective request or application to have been received. Payments may be made be gner, or reseller as follows: be made in person at the Association's headquart tion process. be mailed to the Association's regular mailing ac the envelope and on the check or money order as be made electronically through a miscellaneous r request. If payment is made electronically in this contify the Association via email to interconnect tection Applications are not complete until notice	and for Interconnection Appl form before the request or ap by the interconnection custon ters and must be identified as ldress and must be clearly ma being for an interconnection receivables account, billed ou is manner, the interconnection ions@ywelectric.coop. Data of payment is received.	ications pplication her or by being for arked on process. It at the n Requests
iii.	Other parties that the to pertaining to the Data Request form the Association will party being identifing designers, installers	he interconnection customer authorizes the Associate electric service account must be identified on t and the Interconnection Application. Consistent Il not discuss customer premises, services, or usa ed in a document from the Association's custom s, and system resellers.	ciation to interact with and re he Pre-Application Interconr t with its consumer privacy p ge with third parties without er. This includes engineering	elease data lection ractices, that third g firms,
iv.	All Interconnection premises, the Asso Generator, any invo the disconnect swit Applications must disconnect switcher of the loads connect levels of Interconnect submitted with the	Applications must be accompanied by a site pla ciation's meters (and transformer, if not at the sa erters or other control equipment, any batteries o thes and circuit breaker panels feeding the Gene also include a circuit schematic showing the Ass s and circuit breakers feeding the Generating Res eted to the service, any inverters, and any batterie ection Applications may require additional drawing application.	In showing any buildings on the location as the service more other energy storage equipter and the service. All Interconstrating Resource. All Interconstration's transformer and more source, at least a block represses or energy storage devices.	the eter), the nent, and nnection eters, all sentation Some a to be
v.	All Generating Res	sources interconnecting and operating in parallel	with the Association's electr	ic system
	at any level shall be owned by the Asso be served from the energy storage reso be connected down the Generating Res energy storage reso must not be connec will provide, at no and a wiring enclos conjunction with th Form 2S with no be or Form 16S with r the Generating Res	e metered by one or more production meters, pro- ciation, which do not also meter any connected Association's electric system. In the case of any purce (such as batteries), the energy storage resou- stream of the production meter if it can only be a ource and not from the Association's electric sys- purce can be charged from the Association's elec- ted downstream of any production meter. The <i>A</i> additional charge, a meter base (consisting of a r sure) to be installed by the interconnecting custon he Generating Resource. The production meter b reaker, Form 9S with test switches, Form 12S wi no breaker, depending upon the circuit configuration ource. The Association-provided meter base is r	by ided and load that can in this s rype of ince may only charged from stem. If the tric system, it association neter socket mer in ase will be th no breaker, tion feeding required to be	VRITE PACE
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Y-W Electric	Association	, Inc.		Cole	o PUC No.	3
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	IV.	Rules and Regu	alations - Generator Interconnec	tion Procedure		1
		Rule	es, Regulations, or Extension Policy			
	used ongo meter Asso leadin meter interco interco produ custo	for the production ing maintenance and ring. The source of ciation's electric syn ing towards the Gen r, they will also be connecting custom connection is final inction meters require mer will not have	meter, and the Association retains own nd replacement responsibilities for it as r incoming terminals of the meter shal ystem, and the load or outgoing termin nerating Resource. If instrument transf provided and owned by the Association er in conjunction with the Generating I zed, inspected, approved, and commis- ired for the interconnection, the product access to the inside of these enclosures	nership of this meter s for the meter bases l be connected to wir als of the meter shall formers are required to on, but shall be install Resource installation. sioned, the Association ction meter bases will s.	base and the sa used for service es leading towa be connected t for the producti ed by the Once the on will install a be sealed, and	me e ards the to wires ion all the
	vi. All G at any a visu must Asso or rep	enerating Resourc y level shall be equ al open air gap in be accessible by the ciation's lockout-ta pairs on its electric	tes interconnecting and operating in pa hipped with one or more padlockable d the electrical circuit feeding the Gener he Association at all times without price agout point whenever necessary for the system.	rallel with the Associ isconnect switches w rating Resource. This or notice. This switch e Association's perfor	ation's electric ith means of pro- s disconnect sweet will be used a rmance of mair	e system roviding vitch as the ntenance
	vii. Com stand days' sole o Intero transj Asso electr intero Asso sign a intero	missioning tests of ards including IEE notice via email of discretion. If the A connection, the inte- portation costs asso- ciation representation connection until the connection witnessing and return the certi- connection custome	The Generating Resource shall be perf EE Standard 1547.1-2020. The Association or mail of such tests and may be presen Association witnesses the commissionin erconnection customer shall reimburse ociated therewith. The IC shall perform ive, that ensures that the Generating Ro- ower is interrupted. No final operating is test has been witnessed by the Association the successful completion of commiss ficate of completion (hereinafter the "Generation of the signated contacts, which signated contacts are signated contacts, s	formed pursuant to ap ation must be given a t to witness the comm ng tests on any Level the Association for a m a safety test, in the esource ceases to ene approval will be issu- ciation. Within three ioning and safety test Certificate of Comple erves as final operation	plicable codes t least five busin issioning tests 2 or Level 3 Il labor, overho presence of an rgize the Associated for any business days of s, the Associated to mail approval.	and iness s at its ead, and ciation's of the ion shall
	viii. Reve ancill suppl or suj transi a resu Asso of its autho servid powe purch purch Gene servid Gene Interd	rse Power Flow Ca lary services (inclu y and voltage cont pplemental operati mission service to alt, the Association ciation does not ha distribution and su prized that would c ce delivery point u er flow have their of hase or wheeling an hasing entity. If su rating Resources c ce delivery points a ce or Medium Dist rating Resources n connection service	apacity: The Association is not a trans iding but not limited to scheduling, sys- trol, regulation and frequency response ng reserve, or generator imbalance ser- serve the electrical demand and energy is not equipped to backfeed any whole we the ability to use any transmission fu- ubtransmission systems. No interconn- ause reverse power flow through any we nless the Generating Resource(s) cause own transmission service in place throu- trangement with a transmission provide ifficient load is not present at all times connected to any of the Association's we and receiving Net Metering Generator ributed Generation Interconnection set may be required to convert to Wheeling or Non-exporting Generator Interconnection	mission provider, doc tem control and dispa- e service, energy imba- vice), and does not service (requirements of its of esale electric service facilities upstream ection may be wholesale electric ing such reverse ugh a power er and/or another to offset the wholesale electric Interconnection rvice, then those g Generator mection service.	es not purchase atch service, re alance service, ceure energy an end-use custom delivery point, DO NOT WE IN THIS SP/	e or offer active spinning id iers. As , and the RITE ACE
	ix. All ir	nterconnected Gen	erating Resources shall be designed an	d operated to		
Advice Letter No.	117			Issue Date:	November 1	5, 2022
			Signature of Issuing Officer			
Decision or Authority No.			General Manager	Effective Date	January 1,	2023

Y-W Electric	c Associa	tion, Inc.			Cole	PUC No.	3
Nam	ne of Utility			Original		Sheet No.	108
			Cancels			Sheet No.	
]	V. Rules	and Regulations - Genera	tor Interconnectio	on Procedure		FU
			Rules, Regulations, or I	Extension Policy			
	r l	naintain a co eading to 0.9	mbined load and generation p 5 lagging.	ower factor at the Poi	int of Delivery with	in the range of	f 0.95
	x. C s f a S	The Associat Generating Fa ame electric ubtransmissi àils to remect accordance w Service (Cash	ion will notify the Interconnect acility may cause disruption of system, or if operating the Ge on or distribution system or a by the adverse operating effect ith the procedures contained in Deposits), Section 6. Discon	tion Customer as soor r deterioration of serv nerating Facility coul ffected systems. If, a , the Association may n I. Rules and Regula nection for Cause.	n as practicable if vice to other custom ld cause damage to fter notice, the Inter v disconnect the Gentions, Part C. Begi	operation of the ners served from the Associatio reconnection Cu- enerating Facili nning and End	e m the on's ustomer ty in ing
	xi. A s r r c c	Any modificative that is a range of the second seco	tion to the Generating Resour naterial modification may be c ubmission of a new interconn nection request for minor mod , or to the interconnection site	ce data or equipment leemed to be a withdu ection request. Howe ifications to Generati , or when such chang	configuration or to rawal of the interco ever, the Association ng Resource data, es were made at th	the interconne nnection reque on shall not req to equipment e Association's	ection est and uire a s advice
(11)	Short-Ter The follov to Genera may take	m Limitatior wing condition ting Resource the prescribe	as of Service to Interconnected ons may from time to time lim es normally interconnected to d actions below.	l Generating Resource it the Association's a the Association's sys	es bility to provide in stem. In these insta	terconnection s ances, the Asso	service ociation
	i. 0 s i. 5 i i i i i i i i i i i i i i i i i i i	Deperation du ole judgmen emergency co condition or s property; or (on the securit of others to w n the case of security of, or acilities. The o may, at the ransmission nterruption conterconnection practicable for conditions an or distribution iny party for The interconnection process awa offect the Asse	ring Contingency, Disturbance t may interrupt interconnectio onditions on its subtransmissio ituation: (1) that in the judgm 2) that in the case of the Assoc y of, or damage to its subtrans thich the Association's subtrans the interconnection customer, a damage to, the Generating Fa Association or any of the trans ir sole judgment during system or distribution lines to restore f interconnection service for Conservice will be restored or allowing removal of contingen d restoration of a normal oper a lines. There shall be no liab interconnection services so in meetion customer shall notify the re of an emergency condition to ciation's subtransmission or	es, Major Maintenance n service during cont on and distribution sys- nent of the Associatio ciation, is imminently smission or distribution is imminently likely acility or the intercon usmission providers to n disturbances and po- service to the affecter Generating Resources reconfigured to a norr cy, disturbance, or en- ating state in the affec- ility on the part of the terrupted.	the or Emergency: T ingencies, system of stems. Emergency in is imminently lik / likely to cause a r on systems or to the ion system is direc to cause a materia nection customer's hat the Association ower outages, temp d customers. This is in the area of the r mal operating state nergency cted transmission to association to obly when it be expected to or any affected all describe the	The Association listurbances, or condition mear ely to endange naterial adverse transmission a tly connected; l adverse effec interconnectio 's system is co orarily reconfig may necessitat reconfigured fa as soon as reas	n, in its r ns a er life or e effect systems (3) that, et on the n nnected gure e the cilities. sonably
	s c a ii. I	systems. To emergency co on the operation and the neces Routine Mair	the extent information is know ondition, the extent of the dam on of both parties' facilities ar sary corrective action. tenance, Construction, and Re	n, the notification sh age or deficiency, the id operations, its anti- epair: The Association	all describe the e expected effect cipated duration, on may interrupt		
Advice Letter No.		.7			Issue Date:	November 1	5, 2022
			Cimatum of I	ling Officer			
Decision or Authority No.			General M	anager	Effective Date	January 1,	2023

	sociation, me.		Con	<u> </u>	3
Name of U	Utility	Original		Sheet No.	109
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	IV. Rules and Re	gulations - Generator Interconnectio	on Procedure		
	R	ules, Regulations, or Extension Policy			
	interconnection servic generating facility fro routine maintenance, system.	ce or curtail the output of the generating fac om the Association's subtransmission or dis construction, and repairs on the Association	cility and temporar stribution system w n's subtransmissio	ily disconnect hen necessary n or distributio	the for n
iii.	Forced Outages: Dur immediate repairs on	ing any forced outage, the Association may its subtransmission or distribution system.	suspend intercont	nection service	to effec
				DO NOT W	
				IN THIS SP.	ACE
1 // N	117			N 1 1	5 2022
ce Letter No.	11/		Issue Date:	November 1	5, 2022

General Manager

Effective Date

Y-W Electri	c Asso	ciation, Inc.			Colo	PUC No.	3	
Nam	ne of Uti	lity	_	Original		Sheet No.	110	_
			Cancels			Sheet No.		_
		IV. Rules and Reg	gulations - Generator	Interconnection I	Procedure			P
		Ru	ules, Regulations, or Exte	nsion Policy				C
PRE-A	PPLICA	TION INTERCONNEC	TION DATA REQUEST	<u>`S:</u>				
(1)	Inform Inform whether facilititit transm charac confide transm	al Pre-Application Requ al Pre-Application Requ er or not the Association es are at single-phase or ission voltages, and, if k teristics, study results, an ential to protect the secu- ission providers in the an	tests tests may be made to the has any facilities at the p three-phase secondary, s known, what other entities and system properties and rity of the Association's o rea.	Association, but the r articular location beir ingle-phase or three-p s own electric facilitie capabilities are nonpre- electric system as we	responses for th ng asked about, bhase primary d es at that same l ublic in nature a ll as the electric	ese will be lim whether these listribution, or ocation. Opera and are kept systems of the	ited to ating	
(2)	Forma The As Interco or cont Data re of insta learned Resoun typical made t	l Pre-Application Interco ssociation recommends t onnection Data Request p tracting to purchase and eport includes informatic alling a Generating Reso d early in the design proc rce without significant ar ly makes small intercom o the Association as follo	onnection Data Requests that all prospective interce- prior to submitting an Inte- install any Generating Re- on necessary for the custor purce at the proposed loca- cess that a specific location and costly improvements t nections infeasible. Form ows:	onnection customers erconnection Applica source equipment. T mer or their designer tion, which can save on will not accommod o the Association's e nal Pre-Application In	complete a forr tion and especia The Pre-Applica to do a quick c considerable co late the propose lectric system, to nterconnection	nal Pre-Applica ally before pure ation Interconne wheck of the fea ost and effort if ed Generating the cost of whice Data Requests	ation chasing ection sibility `it is ch may be	
	i.	Parts 1, 4, and 5 of the applicable to the project the proposed intercom- listing these parties and interconnections for W not auxiliary to the Ge exporting Generator In Part 1 must be signed requirements detailed from Parts 2 or 3 of the	e Pre-Application Interco ect, Parts 2 and/or 3 shall nection and the Associati ad their roles in the project Vheeling Generator Interce enerating Resource itself, nterconnection service, or by the Association's cust within A.(10).i of this Glue form may sign Part 5.	nnection Data Reque also be completed. I on is authorized to co t may be attached to connection service wl Net Metering Genera r Medium Distributed omer that owns the s P. Either the custom	st Form shall be f additional par prrespond with t the form. For p here there is als ator Interconneed Generation In ervice and cons her or one of the	e completed. If ties are particip them, additiona proposed o load on-site v ction service, N terconnection s sistent with the e designated com	f bating in al sheets which is lon- ervice, signing ntacts	
	ii.	Payment of \$125 shall payment requirements the key determinant for Association's system Request. If the propose Application, the amou Request shall be dedu Interconnection Appli no more than six mon Data Request Form was customer.	l accompany the Pre-App s detailed within A.(10).ii or separating a courtesy n from a formal Pre-Applic sed interconnection prog unt paid for the Pre-Appli cted from the Application cation (including payment ths after the date of that t as completed by the Asso	lication Interconnect of this GIP. The As otice that a party inte- ation Interconnection resses to a full Interco- cation Interconnection resses to a full Interco- cation Interconnection result is received by the he Pre-Application In- potation and returned	ion Data Reque sociation's rece nds to intercom n Data n Data Association nterconnection to the	est consistent w sipt of this payr nect to the DO NOT WR IN THIS SPA	ith the ment is	
	iii.	Within 20 business da Data Request, includin complete the Pre-App the interconnection cu contain the following	bys of the receipt of the Pring payment, the Associat lication Interconnection Instomer and all designated data, as available, for the	re-Application Interco ion's System Engined Data Request Form and contacts. This repo proposed interconne	onnection er shall nd return it to rt shall ction:			
Advice Letter No.		117			Issue Date:	November 15	5, 2022	
			Signature of Issuing	Officer	-			-
Decision or Authority No			General Mana	ger]	Effective Date	January 1,	2023	

Y-W Electric As	ssociatio	on, Inc.		Cole	PUC No.	3
Name of	Utility		Original	1	Sheet No.	111
			Cancels		Sheet No.	
	IV.	. Rules and Reg	gulations - Generator Interconn	ection Procedure		
		Ru	ules, Regulations, or Extension Policy	y		
	(a)	Type of facilities	present at the site.			
	(b)	If the site is a service voltage, and imper- This allows the in- available for the O	vice location at secondary voltage, the edance ratings as well as the connection therconnection customer or their desig Generating Resource being designed.	e transformer(s)' namep on type if the service is a gner to ensure that the pr	late kVA, phas a polyphase acc oper voltage is	e, count.
	(c)	The maximum fai designer to prope IEEE Standard 51	ult current available at the site. This a rly design the Generating Resource w 19.	allows the interconnection vithin the harmonics con	on customer or trol requirement	their nts of
	(d)	The Association's site, the feeder fee transformer feedi metering for the t currently queued information gives of the Association interconnecting th	s identifier, the capacity rating, and the eding the site, the nearest downline re- ng the site, if the site is a secondary so type of account at the site; and the exist for the substation, feeder, Line sections the interconnection customer and the n's electric system at that location as the Generating Resource.	ne DER capacity for the ecloser feeding the site (ervice location; the statu isting DER capacities all on, and transformer servi eir designer some insigh well as a better idea of the	substation feed if any), and the itory limit for r ready connecte ng the site. Thi t into the capab he ease or diffi	ling the net d to and s bilities culty of
	(e)	If the proposed G Interconnection s annual energy con separated into thr to the Association based on the spec this estimated pro allows the interco eligible for net m	enerating Resource is to be interconnervice, a 120%-rule compliance analy nsumption, the average capacity factore categories: ground-mounted solar, n's electric system, the estimated annu- cified DER size and the previously-de- oduction is less than 120% of the site' ponnection customer or their designer to etering.	ected under Net Meterir ysis consisting of the site or of all like-designed DI , roof-mounted solar, an ual energy production for termined capacity factor 's average annual energy o determine if the propo	ng Generator s' three-year a ERs (these are d wind) interco r the proposed t, and whether consumption. sed DER is act	verage onnected DER or not This ually
	(f)	The distance from also helps the inte Association's elec be weaker and les	n the site to the substation that feeds i erconnection customer or their design ctric system at the site, as locations th ss resilient than sites that are very nea	t, given in miles of elect er determine the "streng hat are fed through more ir the substation.	ric power lines th" of the miles of line to	end to
	(g)	The peak load, m	inimum daytime load, absolute minin	num load, off-season pe	ak load, the rat	io of the
		peak load to the c whether or not thi the interconnectic potential reverse p proposed intercor	off-season peak load for the line section is line section is Highly Seasonal. The on customer and their designer a bette power flow problems that could arise mection.	on serving the site, and his information gives er understanding of as a result of the	DO NOT WE IN THIS SP/	RITE ACE
	(h)	The maximum cu of all protective d substation (includ located at the sub interconnection c potential reverse proposed intercor	arrent or kVA rating and the direction devices and voltage regulating devices ling the feeder recloser and the main station) and the site. This information ustomer and their designer a better un power flow problems that could arise nnection, particularly through voltage	al operating capability s situated between the voltage regulation n gives the nderstanding of as a result of the regulation equipment.		
dvice Letter No.	117			Issue Date:	November 1	5, 2022
			Signature of Issuing Officer			
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-W Electric	Associa	tion, Inc.			Colo PUC No.	3
Name	of Utility	7		Original	Sheet No.	112
			Cancels		Sheet No.	
	Ι	V. Rules and Regula	ations - Generator	Interconnection P	rocedure	
		Rules	, Regulations, or Exte	ension Policy		
	(The connection chara owned by the Associa informal Pre-Applica if the Association kno given if it is known to 	acteristics of the elect ation, almost none of tion Requests, the ow ows this information. o the Association.	ric facilities present at the preceding informa /ners and voltages of si Contact information f	the site. If the facilities ar tion will be available. As uch other facilities will be for such other entities will	e not with the provided also be
	(Any other known cor Association's ability ability to provide safe neighbors.	nstraints that the Syste to interconnect with t e, reliable, and adequa	em Engineer feels coul he proposed Generatin ate power supply to the	d or are likely to impact th ng Resource while still reta e interconnection customer	e ining the and their
	t a C P r	Some of the data above m that site and on the type o available. In particular, s GIP's adoption in 2022, a Association establishes th reports.	ay not be applicable f Generating Resourc ystem capacity rating nd it may take some ese ratings, they will	to some locations, dep be being proposed, and s have not been establi- time for the Associatio be provided on Pre-Ap	ending on the facilities pre some of the data above ma shed or maintained previo n to generate these values. oplication Interconnection	sent at ny not be us to this As the Data
i	iii. H H s r	For the purposes of comp Proposed Generator Size s should be the minimum of nameplate power ratings of	leting Part 4 of the Pr should be as determin f: the inverter's name of the connected solar	re-Application Interconned in A.(9).i of this Gleplate continuous power panels.	nection Data Request Form IP. Specifically for solar I er rating, or the sum of the	n, the DERs, this
i	iv. N i t F	No more than ten business nterconnection customer, to protect the customer's posted on the Association	s days after the date t , all location and cust confidentiality and th 's website.	he System Engineer re omer information will e Association's system	turns the report to the be redacted from the report a security and the report with	t in order ll be
					DO NOT IN THIS	WRITE SPACE
	11	17			Issue Data: November	15 2022

Y-W Electric Association, Inc.		ciation, Inc.			Colo PUC No.	3
Name of Utility			Original	Sheet No.	113	
			Cancels		Sheet No.	
		IV. Rules and F	Regulations - Generator Int	erconnection Proced	ure	
			Rules, Regulations, or Extension	on Policy		
<u>LEVEL</u>	<u>. 1 INTE</u>	RCONNECTION PR	COCESS—INVERTER RESOU	RCES UP TO 25 kW:		
(1)	Introdu Inverte straigh determ the nec For the Study, Level Applic these s suitabi	action er-based Generating R tforward to integrate ine any potential imp essity for arrangemer ese reasons, the Level and Facilities Study t 3 Study Process. The ation and the Intercor maller interconnectio lity of the Association	tesources that are UL 1741 certi- into the Association's distribution acts on the Association's system ints for purchase and transport of 1 Interconnection Process esser hat are typically performed with Level 1 Interconnection Process nection Agreement into one sin ns necessitate, this process conta i's electric system to handle the	fied and that are up to 25 on system, which simplif a. Because these systems the Generating Resource that the Generating Resource that the Generating Resource that the Generating Resource that the Generating Resource the G	i kW in size are generatives will typically be net- e's output is generally sibility Study, System is equests under the stan fied Interconnection simplified study process of the	ally ed to metered, negated. Impact dard ess that nine the
(2)	Eligibi Inverte 1547-2 Interco shall b to be a the end i.	lity and Process er-based Generating R 2018 and not exceedin onnection Process. The e the sum of the Gene ble to inject back onto ergy storage system. The Association red	esources certified to comply wi g 25 kW continuous output ratio the capacity of Generating Resource erating Resource plus the amoun to the Association's electric syste The application and interconnec commends, but does not require	th UL 1741 and either U ng are eligible to apply u rces that are installed wi it of power that the energ em, which may or may no tion process is as follows , that the interconnection	L 1741 SA or IEEE St nder the Level 1 th an energy storage sy sy storage system is de ot be the full output ra s: a customer initially cor	tandard ystem signed ting of nplete
	ij	the Formal Pre-App	plication Interconnection Data R	Request process found in	GIP Part B.	. .
		 (a) The Short-Forn (10).i of this G (b) Payment of the Application Int that the Applic interconnection receivables inv (c) The site plan a (d) Manufacturer's certified the Ge any backup int of the Short-Fo information. 	m Interconnection Application a IP. e \$750 application fee in accordate terconnection Data Request was ation is received by the Associa in customer intends to pay electric voice be sent prior to submission and circuit schematic drawings a s cut sheets clearly showing what enerating Resource equipment, s erface module used with an ener orm Interconnection Application	and Agreement form, sign ance with Part A.(10).ii of paid for and completed tion, the application fee onically, they may reque n of the application. s specified in Part A.(10) at OSHA Nationally Rec specifically the inverter a rgy storage system. See n and Agreement for addi	ned in accordance with of this GIP. If a Forma within six months of t is reduced to \$625. If st an electronic miscel).4 of this GIP. ognized Testing Labor and Part 4	n Part A. al Pre- he date the laneous ratory
	iii.	Upon receipt of an all additional support together with paym was submitted, the denotes that time th	electronic Application by the A orting documents will be printed ent have both been received, re Application will be date and tin nat a bona fide Application was	ssociation, the Application I. When the Application gardless of the method ei ne stamped. This stamp received by the Associat	on and ither ion.	
	iv.	Within three busine Association will no the application has	ess days of the date and time of a tify the interconnection custome been received.	receipt of the Application er and all listed contacts	n, the that	
dvice Letter No.		117		Issue	e Date: November 1	5, 2022
			Signature of Issuing Offic	cer		
Decision or			General Manager	Effectiv	e Date January 1.	2023

Title

Authority No.

-W Electric Association, Inc.		Inc.		Colo PUC No.	3
Name of U	Name of Utility		Original	Sheet No.	114
		Cancels		Sheet No.	
	IV. R	Lules and Regulations - Generato	r Interconnection Pr	rocedure	
		Rules, Regulations, or Ex	tension Policy		
v.	Within the App that the is requir the App	ten business days of the date and time plication for completeness. and notify t e application was complete or that the a ired to make the application complete. plications were received, according to	of receipt of the Applic the interconnection cust pplication was incomple These evaluations will the applied received star	ation, the Association will of omer and all listed contacts ete and what additional info be performed in the order in mp.	evaluate either ormation n which
	 (a) W int ne by As the fee thi Int (b) W 	ithin ten business days of receipt of the terconnection customer must either pro- ither occurs before ten days, or if an ex- the time the extension expires, the Ap- ssociation will hold the project for that e interconnection customer may reapply e, other than the \$125 credit for the Pre- is credit was received and more than siz- terconnection Data report date and the hen the Application is deemed to be co-	e notice that the Applicativide the missing information is requested and plication is deemed to happlication open for one within that time withor -Application Interconnex months elapses betwee reapplication date.	tion is incomplete, the ation or request a time exte l the information still is not ave been withdrawn. The e year from the withdrawal ut paying an additional app ction Data Request must be en the Pre-Application	ension. If provided date and lication e paid if red into
	the	e interconnection queue. Interconnectider in which they entered the queue. E	on Applications will be ach substation shall hav	processed by the Association e its own queue.	on in the
vi.	Within screeni	ten business days of the Application c ng process as follows:	ompletion date, the Asso	ociation will perform Level	1
	 (a) Al 1. 2. 3. 4. 	1 Applications will be analyzed against The proposed Generating Resource's Association's electric system that is interconnection is on a Highly Seaso Supplemental Review screens in add For interconnection of a proposed Ge aggregated generation capacity of all connected to the same circuit shall ne the aggregated generation capacity o connected to the same line section sh The aggregated fault current contribu- resource, on the distribution circuit f exceed 10% of the system's fault cur- interconnection. The aggregated fault current contribu- including the proposed resource, on proposed point of interconnection pl same circuit must not cause any of th- installed on that same circuit to exce circuit interrupting rating, nor shall a proposed on a circuit where the max. 87.5% of any device's short circuit in	the following basic scro spoint of interconnection subject to the tariffs. If nal Circuit, the Application ition to the rest of the base enerating Resource on a Generating Resources is of exceed 15 percent of f all Generating Resources and not exceed 15% of the third of all Generating ending the proposed point rent level at the primary attions of all Generating the distribution circuit for us the system fault current ed 87.5% of the device's intro fault current alread interrupting rating.	eens: n must be on a portion of th the proposed point of tion must also be evaluated asic Level 1 screens. radial distribution circuit, t including the proposed reso the circuit's annual peak low ces including the proposed is he line section's annual peak low ces including the proposed is he line section's annual peak root of interconnection must v voltage point nearest the p Resources, the devices s short e be dy exceeds	he under the the ource ad, and resource ik load. coposed not point of
	5. 6.	If the proposed Generating Resource phase shared secondary, the aggrega secondary, including the proposed re If the proposed Generating Resource interconnected on a center-tapped ne	is to be interconnected te generation capacity or source, shall not exceed is single-phase and is to utral of a 240 VAC serv	on a single- n the shared l 25 kW. o be rice, its	
dvice Letter No.	117			Issue Date: November	15, 2022
		Signature of Issuin	g Officer		
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Y-W Electric As	sociation, Inc.		Cole	o PUC No.	3
Name of Utility		Original		Sheet No.	115
		Cancels		Sheet No.	
	IV. Rules and	Regulations - Generator Interconnection	Procedure		
		Rules, Regulations, or Extension Policy			
	addition 20% of t 7. No consi the prop 8. The nam capacity the custo upgrade (b) If the Applica reliably inter- approve and it to the custo the recomme Application, execute the A recommenda Technology,	shall not create an imbalance between the two si he nameplate rating of the service transformer. truction of facilities by the utility on its own syst osed Generating Resource. eplate capacity of a proposed Generating Resour of any previously interconnected Generating Re omer's existing electrical service unless there is a under the terms and provisions of the Association ation passes all of the screens, unless the General connected without upgrades to the Association's execute the Application, which also becomes the omer and all designated contacts within ten busin ndation of the System Engineer completing the s the Association's General Manager is designated application. In the absence of the General Manager ition to the Operations Manager, the Office Manager who are authorized as backup persons to execute	des of the 240 vo em shall be requi rce, in combination source, shall not a simultaneous rea n's normal Line ting Resource can electric system, i interconnection tess days of such creening analysis a sthe primary p ger, the System E ager, or the Mana e the Application	olt service of m red to accomm on with the name exceed the cap quest for a serv Extension Polic anot be safely a the Association Agreement, an determination. s for approval co person authoriz Engineer may m ger of Information	ore than nodate neplate acity of vice cy. and n shall id return Upon of the ed to nake this tion
	(c) If the Application evaluated under the proposed the Association designated constrained and the cost requirement of the cost requirement of the cost requirement of the customer together with application. Shall present interconnection meeting, or, in the Application of the App	ation fails any of the screens, or if Screen 1 indic der the Supplemental Review screens, or if the A Generating Resource cannot be safely and reliab on's electric system, the Association shall inform ontacts of such results in writing, provide detailed nyite the customer to a customer options meeting s determination. The Association shall then prep ired to analyze the Supplemental Review screens that minor modifications such as changing mete closers, or relay or regulator settings can remedy shall also prepare a non-binding good faith estim elects to attend a customer options meeting, the the options of continuing under the Level 3 Stud If the customer elects not to attend a customer op these same options in writing to the customer an on customer shall notify the Association of their if the customer does not attend the meeting, recei- on shall be deemed to have been withdrawn.	ates that the App ssociation otherwork of the interconnected information on g to be held within our a non-binding a. If the Associat ers, fuses, transfor the failure at mi ate of the costs to Association shall dy Process or wit ptions meeting, the d all designated of decision within ipt of the written	lication must a vise demonstra d without upgra tion customer a the reason for n 10 days of the g good faith est ion determines rmers, voltage nimal cost, the perform this v l present these hdrawing the nen the Associa contacts. The 15 business day notice of optio	llso be tes that ades to and all the e timate of from its work. If options ation ys of the ns, or
	(d) If the interco supplemental return it to th estimate. At which the As customer doc evaluated in t be responsibl Supplementa charges that t without interv Association v follows:	nnection customer elects to accept the Association review, the customer shall sign the Association' e Association together with a deposit in the amo that same time, the customer may also specify th sociation will analyze the Supplemental Review es not specify a particular order, then the screens the order described below. The interconnection of le for the Association's actual costs in analyzing l Review screens and shall pay any invoiced amo may exceed the estimate within 20 business days est. The Supplemental Review screens shall be a within 30 business days of the customer's accepta	on's offer for a 's estimate and unt of the ne order in screens. If the shall be customer shall the ount for such of the invoice analyzed by the ance and are as	DO NOT WI IN THIS SP.	RITE ACE
lvice Letter No.	117		Issue Date:	November 1	5, 2022
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Decision or		General Manager	Effective Date	January 1,	2023

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Name of U					U
	tility		Original	Sheet No.	116
			Cancels	Sheet No.	
	IV.	Rules a	nd Regulations - Generator Interconnection Rules, Regulations, or Extension Policy	on Procedure	
	(e)	1. The pload (mining proposed) 1. The pload (mining proposed) section A. N B. V B. V a B. V a C. V a D. T r tic c a D. T r tic c F. T r substace criter and n propo 3. The l line s withco of the altern voltage If the App above, the the follow 1. Contri propo 2. Contri imple have resolv servic custor	reflects, Regulations, of Extension Foncy proposed Generating Resource capacity shall be less (for solar Generating Resources without associated num load (for all other Generating Resources) of t osed Generating Resource, except that reverse pow n will be allowed under the following conditions: No substation that is a wholesale power delivery pot it any time. Voltage Regulation on distribution lines that are ca- cource during some part of the year may experience re capable of operating in Bias Co-generation Mod- Voltage Regulation on distribution lines that are no alternate source or in substations may experience ro- tre capable of operating in Co-generation Mode reg- tre aggregate fault current contribution of all Gene esource, does not exceed 5% of the system minim sensing recloser or circuit breaker located betweer he high side of the associated substation. The syst calculated as the system fault current, with all Gene it each ground-fault-sensing recloser in question w tandard 40Ω single line-to-ground fault impedanci- the aggregate fault current contribution of all Gene esource, does not exceed 10% of the continuous co ocated between the proposed Generating Resource of the aggregate fault current contribution of all Gene esource, does not exceed 15% of the minimum trip ecloser or circuit breaker located between the prop- ide of the associated substation. gregate with any existing Generating Resources or ation and circuit must be maintained in complianc- ia under all system conditions with the proposed Go to harmonic levels in violation of IEEE Standard 5 soed Generating Resource's addition. ocation shall not create impacts to safety or reliabil- put application of the Level 3 Study Process and sh- e area facilities such that transfer of the line section shalt source during any part of the year could trigge ge issues.	ss than 100% of the daytime minin d energy storage systems) or the ab the line section and circuit feeding ver flow of a substation, circuit, or in shall experience reverse powe apable of being backfed from an al- re reverse power flow if the regulat de regulation. ot capable of being backfed from a everse power flow if the regulator gulation. erating Resources, including the pr um fault current seen by any groun n the proposed Generating Resource tem minimum fault current shall be erating Resources disconnected, pr vith the Association's engineering e placed at the last line segment be und-fault-sensing recloser. erating Resources, including the pr urrent rating of all hydraulic reclose e and the associated substation. erating Resources, including the pr p setting on any electronically-com posed Generating Resource and the sociation aspect and the operational flex n, the circuit, the voltage regulation is with the Association's standard Generating Resource added to the so 519-2014 shall occur as a result of the aggregate generating capacity lity that cannot be adequately addres hall not reduce the operational flex n, circuit, or substation's feed to an er overloads or the process lure and extend application as- the sociation may uld potentially rvice capacity, association or nnection of the	num psolute the line r flow ternate cor(s) is/ ny (s) is/ roposed nd-fault ce and e resent efore roposed trolled e high n on the voltage system, the on that essed ibility n

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	IV. Rules and Re	gulations - Generator Interconne	ction Procedure]
	R	ules, Regulations, or Extension Policy			
v	 customer's p Association shall also no 3. Terminate th Process. 4. Withdraw th If the customer h Association, the . (f) If the Application that the proposed the Association for screens and the c Association shall designated conta- minor modificati screens. The exe the customer and Mail with Return Association toget system within 30 The Association within two busin- the primary perso Operations Mana as backup person ii. Whether the Intercom- part, once the Intercom- part, once the Intercom- its Generating Re of Member Servi- regular business (b) Upon the custom visible disconneed (c) Upon the request shall bypass the I hours to allow fo inverter(s). If the the Production Mana receiving the Asso location shall be the terms of A.(7 iii. Once the Generating State Electrical Inspe- customer and Sign O forward the signed do must be received by t 	proposed Generating Resource equipme has identified any such minor modificat tify the customer of the estimated cost a e Supplemental Review analysis and co- e Application. as not responded to these options within Application shall be deemed withdrawr in passes the Supplemental Review analy I Generating Resource can nevertheless letermined that minor modifications wor ustomer elected to pursue this option at forward an executable Interconnection ets, including a non-binding good faith ons identified during the analysis as bein excutable Interconnection Agreement and all designated contacts within five bus a Receipt Requested. The customer shat ther with payment for any necessary im to business days of the date they received shall execute and return one copy of the ess days of its receipt thereof. The Ass on authorized to execute the Agreement ager, the Office Manager, or the Manager is to execute the Agreement. Intection Agreement is executed under the maction Agreement is executed and ret- may install the Generating Resource. Intection Agreement has been executed essource installer may make arrangement ces to pick up the Production Meter bashours. er's request, the Association may instal at switch may also be mounted to f the interconnection customer or one Production Meter socket for a period of r the testing and configuration of the G e customer or their Generating Resource. Intersocket and energizes the Generating sociation's advance authorization to do subject to immediate disconnection as a) of this GIP. Resource has been installed and has been cor in accordance with applicable law, e designated contacts shall complete the ff Area sections of the Certificate of Cor prunent to the Association. The Certifi- be Association within one year of the d	ent. If, during the cours tions which could be n and lead time to implet onvert the Application n ten business days of n. ysis screens, or if the <i>A</i> be safely and reliably puld allow the Applicat t the customer options n Agreement to the cus estimate of the cost an ing required for the Appl d estimate, if applicable iness days of this deter ll execute and return th provements to the Ass d it, as shown on the Re e Interconnection Agree cociation's General Ma t. In the absence of the er of Information Tech ne terms of subparagrap turned to the customer, and returned to the cus ts with the System Eng se at the Association's ll a meter pedestal to w e of their designated co f not more than 24 enerating Resource's e installer bypasses ng Resource without so, the service a safety hazard under en inspected by the the interconnection ompletion and icate of Completion late that the	se of the analys nade to its systement such char to the Level 3 notification fro Association detainterconnected ion to pass the meeting, the tomer and all d lead time for plication to pas e, shall be forw mination via C he Agreement to ociation's elec- eturn Receipt c ement to the cr nager is design General Mana nology, are aut oh (b) or (f) of the customer a stomer, the cus gineers or the E headquarters d thich the lockal ntacts, the Asso	sis, the em, it ages. Study om the ermines l, or if basic any ss the varded to Certified to the tric ard. ustomer ated as ager, the thorized this and their thorized this and their large le cociation
lvice Letter No	117		Issue Date:	November 1	5 2022
		Signature of Issuing Officer			5, 2022
Decision or		Signature of issuing Officer		_	
Authomity No.		General Manager	Effective Date	January 1,	2023

Authority No.

-W Electric Association, In	nc.		Colo) PUC No.	3
Name of Utility		Original		Sheet No.	118
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IV. Ru	iles and Regulations - Generato Rules Regulations or Ext	r Interconnection I	Procedure		
Intercon withdray period, t may allo could be sole disc original in writin	nection Agreement was fully-executed wn and the Interconnection Agreemen the customer may request a time exten ow such an extension if no additional I e affected by the DER capacity being here toretion, the operating conditions of its evaluation was completed. The Association of its approval or rejection of any time	d or the Application sh t shall expire. Before sion. The Association interconnection Applic held in reserve for the electric system have n ciation shall notify the me extension requests	hall be deemed the expiration of will review an eations have been customer and it tot substantially customer and a	to have been of this one-year y such requests en filed which a f, at the Associa y changed since all designated c	time s and are or ation's the contacts
 ix. Notwith this GIP its designs schedule Producti changes (a) The invertight invertight in the invert	standing the Association's right to obs, within ten days of its receipt of both nated contacts and the meter release fi e an inspection and safety test of the G ton Meter and replacement of the servi- will generally be carried out in the fol- e Association will briefly examine the erter, disconnect switch, Production M ource, and will ensure it has no object Association will ensure that the Prod- ticular so that power flows the correct Association will install the Production customer or one of the designated con- tomer's request, the Association may p sconnect switch or turning on a power er the Generating Resource begins pro- service location. This will allow the A n the new master meter and to verify the master meter socket. This tests the fies that it will safely cease energizing Association will re-energize the servi- erticity again.	serve Commissioning the Certificate of Con rom the State Electricate enerating Resource al ice meter with a Master llowing manner: Generating Resource at leter, and any circuit b ions to the safety of the uction Meter socket and direction through the n Meter in its socket. Intacts will power up the perform this step if it r switch on an inverter ducing electricity, the Association's personne hat the Generating Res- anti-islanding capabiling the Association's fac- ice and wait for the Generating Res-	Tests as specifi ppletion from the al Inspector, the ong with the in- er Meter. The s- and ascertain the reaker(s) feeding installation. opears to be win- meter as specifi- the Generating F equires no action and/or interface Association with el to both replace source stops en- ity of the Gene- ilities in the cas- enerating Resource	ed in Part A.(10 the customer or of Association sh stallation of the afety test and n the locations of the red correctly, in the d in A.(10).v Resource. At the on further than the panel. Ill interrupt power the service mergizing the loa rating Resources se of an outage. arce to begin pro-	0).vii of one of hall netering he ng of this e closing ver to heter id side e and oducing
x. If any pa and all d contacts within 3	art of the inspection and test in subpar lesignated contacts within two busines shall remediate any failures of this tes 0 business days of receipt of the notic	t ix. above fails, the A ss days of such failure. st and notify the Assoc e of failure. Subpart i	ssociation will The customer ciation of such x. above will th	notify the custo and their desig remediation in then be repeated.	omer gnated writing
xi. Upon su Associat all desig Intercon Upon the testing in the prim absence recommo of Inforr Certifica returned of subpa	accessful completion of the inspection tion will sign and return the Certificate mated contacts, which formally indica nection Process, approval of the instal e recommendation of the System Engin n subpart ix. above, the Association's ary person authorized to execute the C of the General Manager, the System F endation to the Operations Manager, t mation Technology, who are authorized to the customer within three business art ix. above.	and test in subpart ix. e of Completion to the tes completion of the llation, and authorizati ineer witnessing the su General Manager is de Certificate of Completi Engineer may make this the Office Manager, or ed as backup persons to certificate of Completi days of the successfu	above, the customer and on to operate. accessful esignated as fon. In the is the Manager o execute the on shall be I completion	DO NOT WR IN THIS SPA	ITE CE
dvice Letter No. 117			Issue Date:	November 15	5, 2022
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	IV. Rules and Regu	lations - Generator Interconnection	Procedure		
	Rule	s, Regulations, or Extension Policy			
xii.	If the customer paid any analysis or improvement such deposits within 60 deposits were insufficier Certificate of Completion actual cost of completing days.	r deposit above and beyond the Interconnect ts to the Association's system, the Associat business days of the return of the fully-sign at, the Association shall, within 60 business in, invoice the customer for the difference b g the additional work. The customer shall p	tion Application tion shall refund hed Certificate o s days of the retu- between the dep pay the amount	n fee for additic any unused po f Completion. urn of the fully- osit(s) received due within 20 t	nal rtion of If such signed and the pusiness
				DO NOT WR IN THIS SPA	ITE ACE

Effective Date

General Manager

Y-W Electri	c Associatio	on, Inc.		Colo	PUC No.	3	
Name of Utility				Sheet No.	120		
		Cancels			Sheet No.		
	IV	. Rules and Regulations - Generate	or Interconnection	Procedure			P
		Rules, Regulations, or Ex	tension Policy				C
D. <u>LEVEL</u>	<u>. 2 INTERCO</u>	NNECTION PROCESS—RESOURCES	<u>UP TO 2-4 MW:</u>				
(1)	Introduction Generating I Association analysis requ net-metered Generating I the Feasibili interconnect of "screens" Generating I Interconnect	Resources that are up to 2-4 MW in size a s distribution system than larger commerce ured to determine any potential impacts of either non-exporting protection equipmer Resource's output are generally necessary ty Study, System Impact Study, and Facil ion requests under the standard Level 3 St that determine the suitability of the Assoc Resource, though these screens are somew ion Process	re, in some cases, som cial power production is n the Association's sy nt or arrangements for . The Level 2 Intercor ities Study that are typ tudy Process. This pro- ciation's electric system that more in-depth than	ewhat easier to i resources, which stem. Because t purchase and tra mection Process ically performed ocess also includ m to handle the i n those used with	ntegrate into the can simplify these systems a ansport of the essentially con- d with larger es a standardiz interconnected h the Level 1	he the are not mbines zed set	
(2)	Eligibility an Any Genera output rating certified to o Mainline wi apply under energy stora storage syste be the full of for applicati distribution Process's elic complete rey the Level 3	nd Process ting Resources meeting the certification re g are eligible to apply under the Level 2 In comply with UL 1741 and either UL 1741 thin 2.5 miles of a substation, and not exc the Level 2 Interconnection Process. The ge system shall be the sum of the Generat em is designed to be able to inject back on utput rating of the energy storage system. on of the Level 2 Interconnection Process system has the capability of dealing with p gibility thresholds, making it difficult for view under this process. Any application an	equirements below and thereconnection Process SA or IEEE Standard eeding 4 MW continue e capacity of Generatin ing Resource plus the to the Association's el Although the Colorad , a very small percenta power flow at the upper many Generating Reso with this type of requess and interconnection pro-	I not exceeding 2 Inverter-based 1547-2018, inter ous output rating ng Resources that amount of powe lectric system, w lo PUC mandate or limits of the L ource at these sint t are advised to cess is as follow	2 MW continue Generating Re- rconnecting al- g are also eligib at are installed r that the energy which may or m s these size the fation's rural el- evel 2 Intercor zes to successf be prepared to s:	ous esources ong a ble to with an gy nay not resholds lectric nnection fully enter	
	i. An Lev (a) (b) (c) (d)	y Generating Resource, whether induction rel 2 Interconnection Process must be cert ANSI C84.1-2016 Electric Power Syster ANSI/NEMA MG 12016, Motors and IEEE Std 519-2014, IEEE Recommende Electrical Power Systems IEEE Std 1453-2015 IEEE Recommende Power Systems	n, synchronous, or inve ified under the followi ns and Equipment – V Generators d Practices and Requir ed Practice for the Ana	erter-based, inter ing codes and sta oltage Ratings (rements for Harr alysis of Fluctua	connecting und andards: 60 Hertz) monic Control ting Installatio	der the in n on RITE	1
	(e) (f) (g) (h)	IEEE Std 154/-2018, IEEE Standard for of Distributed Energy Resources with As Interfaces NFPA 70 (2017), National Electrical Co UL 1741 Inverters, Converters, and Con Power Systems UL 1741 SA, until January 1, 2022, or u for interconnection will comply with IEI Inverters, Converters, Controllers and In Use with Distributed Energy Resources	Interconnection and I ssociated Electric Pow de trollers for Use in Inde ntil such time new DE EE 1547-2018, IEEE S terconnection System	nteroperability er Systems ependent Rs applying standards for Equipment for	IN THIS SP/	ACE	1
	ii. The cus	e Association recommends, but does not retorner initially complete the Formal Pre-A	equire, that the interco	nnection ction Data			
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	IV. Rules and Reg	ulations - Generator Interconnection	on Procedure		
	Rul	es, Regulations, or Extension Policy			
	Request process found	in GIP Part B.			
iii.	The interconnection cu	stomer submits an Application, consistin	g of the following:		
	 (a) The Application for Part A.(10).i of thi Output rating or pa 400 kW continuou Application Interce that the Application interconnection cu receivables invoice used to pay the As toward the actual of required on the As the Application do Application conver the Level 3 deposit (c) The site plan and of comprehensive set Generating Resourd (d) Manufacturer's cu certified the Generating agreement. 2. An option to p intent, as dem 3. An exclusivity entity having to occupy a site to relationship. 	or Operation of Customer-Owned Generals GIP. 2,500 application deposit for Generating yment of the \$25,000 application deposit s output rating, in accordance with Part A onnection Data Request was paid for and n is received by the Association, the appli- stomer intends to pay electronically, they e be sent prior to submission of the applic sociation's actual expenses in evaluating cost of the ultimate system improvements sociation's system in order to accommod es not successfully complete the Level 2 rts to the Level 3 Study Process, the depo- t requirement. Fircuit schematic drawings as specified in of AC 3-line drawings and control scher ree and all switchgear and all of their con t sheets clearly showing what OSHA Nat ating Resource equipment. site control by one of the following mean a leasehold interest in, or a right to deve g Resource, as demonstrated by a copy of purchase or acquire a leasehold site for su onstrated by a copy of such option purch- y or other business relationship between t the right to sell, lease, or grant the intercor for such purpose, as demonstrated by a copy of such option purchase.	tion form signed in in a Resources up to 400 kW for Generating Resource A.(10).ii of this GIP. If completed within six n lication fee is reduced by may request an electro cation. The application the Application as well and/or metering chang late the proposed Gener screening analysis belo posit already paid here is Part A.(10).4 of this G natics (AC and DC) det trol and protection elem ionally Recognized Tes s: such deed, lease, or de the interconnection customer the pay of the contract estable	ccordance V continuc ces in exce a Formal I nonths of t y \$125. If nic miscel deposit wi as being a es and add ating Resc w and the credited a IP in addit ailing the nents. sting Labor se of const velopment include a I of intent. omer and t right to po polishing su	with pus ess of Pre- he date f the llaneous ill be applied litions burce. If gainst ion to a entire ratory ructing t letter of the ssess or ch a
iv.	Upon receipt of an elec supporting documents received, regardless of date and time stamped. was received by the As	tronic Application by the Association, the will be printed. When the Application to the method either was submitted, the App This stamp denotes the time that a bona sociation.	e Application and all ac gether with payment ha plication will be fide Application	ditional we both be	een RITE ACE
v.	Within three business of Association will notify the application has been	lays of the date and time of receipt of the the interconnection customer and all list n received.	Application, the ed contacts that		
vi.	Within ten business day Association will evaluation interconnection custom complete or that the app is required to make the performed in the order	ys of the date and time of receipt of the A te the Application for completeness and er and all listed contacts either that the a plication was incomplete and what additi application complete. These evaluations in which the Applications were received.	application, the notify the pplication was onal information s will be , according to the		
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Authority No.

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Name of Ut	tility		Original	-	Sheet No.	122
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	IV.	Rules and Regulations - Generat	tor Interconnection	on Procedure		
		Rules, Regulations, or E	xtension Policy			
	appl	lied received stamp.				
	(a)	Within ten business days of receipt of the interconnection customer must either provide the extension expires, the A Association will hold the project for the The interconnection customer may reap application fee; except that the \$125 cm must be paid if this credit was received Application Interconnection Data report	ne notice that the Approvide the missing in extension is requested pplication is deement that Application open ply within that one- edit for the Pre-Application and more than six not that and the reapple	oplication is incomp nformation or reque ed and the informati d to have been with for one year from the year period without lication Interconnec nonths elapses betw lication date.	lete, the st a time extens on still is not p drawn. The ne withdrawal d paying an add tion Data Requ een the Pre-	sion. If rovided late. itional lest
	(b)	When the Application is deemed complianterconnection queue. Interconnection order in which they entered the queue.	ete, it shall be date a Applications will b Each substation sha	and time stamped and be processed by the all have its own queu	nd entered into Association in t ue.	the the
vii.	Wit scre	hin 15 business days of the Application ening process as follows:	completion date, the	e Association will p	erform Level 2	
	(a)	 All Applications will be analyzed again regarding the Level 2 Interconnection F network protectors and the other dealing not operate any networked facilities, so basic screens are as follows: 1. The proposed Generating Resource Association's electric system that i interconnection is on a Highly Seas Supplemental Review screens in ad 2. For interconnection of a proposed aggregated generation capacity of a connected to the same circuit shall the aggregated generation capacity connected to the same line section 3. The aggregated fault current contrinesource, on the distribution circuit exceed 10% of the system's fault contrinesource, on the distribution contrinesource, on proposed point of interconnection proposed point of interconnection proposed point of interconnection proposed point of interconnection proposed on a circuit where the mathematication of a single on that same circuit to example of a single of any device's short circuit 5. The proposed Generating Resource and flicker requirements of IEEE S PUC requirements for this screen a Standard 1453-2015. However, this provisions for calculating compliant contains provisions for measuring of the surface of the surface of the screen and standard provisions for measuring contains pro	st the following bas strocess includes two g with area network these screens are no s subject to the tarif sonal Circuit, the Ap Idition to the rest of Generating Resource of all Generating Resource of all Generating Resource of all Generating Resource shall not exceed 15 perce of all Generating Resource the distribution of all Gener feeding the propose urrent level at the pro- butions of all Gener n the distribution cir olus the system fault the Association's pro- seed 87.5% of the de any Generating Re- ximum fault current interrupting rating. e shall meet the rapid tandard 1547-2018. Iso require compliant s standard does not ice ahead of installa compliance on in-se	ic screens. The Col additional screens, protectors; howeve of included in this pre- nection must be on a fs. If the proposed polication must also the basic Level 2 so e on a radial distribu- urces including the ent of the circuit's an esources including the two of the line section rating Resources, inded point of intercom- rimary voltage point ating Resources, cuit feeding the t current of the rotective devices evice's short source be t already exceeds d voltage change Note that the nce with IEEE contain any tion, but only rvice equipment,	lorado PUC reg one dealing wi r, the Associati rocess. The Le a portion of the point of be evaluated u creens. ation circuit, the proposed resou nual peak load the proposed re i's annual peak cluding the prop nection must no t nearest the po	nder the e rce l, and source load. posed ot int of
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		Signature of Issu	ing Officer			
Desision on			-			

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	IV.	Rules and	l Regulations - Generator Interconnection Proc	edure		
			Rules, Regulations, or Extension Policy			
	(b) I (b) I (c) I	so it is a so it is a Generat Generat I. If the pro- the agg shall no B. If the pro- sides of O. No cons- the prop B. The nar capacity the cust upgrade of the Applic evaluated ur the proposed the proposed the proposed the Association the cost requinital review regulators, r prepare a no attend a cust options of ca- customer ele- same option shall notify is customer do be deemed t	excluded by the Association from consideration under the posed Generating Resource must be connected line-to-re- ting Resource or for an effectively-grounded three-phase roposed Generating Resource is to be interconnected on regate generation capacity on the shared secondary, inclu- t exceed 25 kW. roposed Generating Resource is single-phase and is to be neutral of a 240 VAC service, its addition shall not creas the 240 volt service of more than 20% of the nameplate struction of facilities by the utility on its own system shap oosed Generating Resource. meplate capacity of a proposed Generating Resource, in y of any previously interconnected Generating Resource, omer's existing electrical service unless there is a simul- e under the terms and provisions of the Association's no cation fails any of the screens, or if Screen 1 indicates the der the Supplemental Review screens, or if the Associa d Generating Resource cannot be safely and reliably inter- contacts of such results in writing, provide detailed infor- invite the customer to a customer options meeting to be 's determination. The Association shall then prepare a ra- tired to analyze the Supplemental Review screens. If they w that minor modifications such as changing meters, fus eclosers, or relay or regulator settings can remedy the fa- m-binding good faith estimate of the costs to perform the tomer options meeting, the Association shall present the ontinuing under the Level 3 Study Process or withdrawi ects not to attend a customer options meeting, then the A- s in writing to the customer and all designated contacts. the Association of their decision within 15 business day we so not attend the meeting, receipt of the written notice or o have been withdrawn.	nis screen. neutral for a e Generatin a single-ph uding the p e interconn te an imbali- e rating of t all be requir combinations, shall not of taneous recornal Line F nat the App tion otherwore connected mation on held within non-binding te Association ses, transfor nilure, the A is work. If rese options ng the appl Association The intercors of the me of options, of	a single-phase og Resource. hase shared sec proposed resour- ected on a cent ance between t the service tran- red to accomm on with the nam- exceed the capa- quest for a serv Extension Polic lication must a vise demonstrat d without upgra- tion customer a the reason for t n 10 days of the g good faith est ion determines rmers, voltage Association sha the customer of together with the lication. If the shall present the connection custor tog the Application	ondary, rce, ter- he two sformer. odate neplate acity of ice cy. lso be tes that ides to ind all the imate of from its ll also elects to he nese ion shall iew, the
Advice Letter No.	117	sustomer sha n the amoun specify the of Review scree screens shall customer sha the Supplem such charges nvoice with analyzed by acceptance a 1. The pro the dayt associat other G	all sign the Association's estimate and return it to the A nt of the estimate. At that same time, the customer may order in which the Association will analyze the Supplem eens. If the customer does not specify a particular order, I be evaluated in the order described below. The interco all be responsible for the Association's actual costs in a nental Review screens and shall pay any invoiced amoun s that may exceed the estimate within 20 business days nout interest. The Supplemental Review screens shall be the Association within 30 business days of the custome and are as follows: posed Generating Resource capacity shall be less than I time minimum load (for solar Generating Resources wit ted energy storage systems) or the absolute minimum lo enerating Resources) of the line section and circuit feed Is	ssociation t also iental , then the onnection nalyzing it for of the er's 100% of hout ad (for all ing the	November 12	deposit ITE CCE
			Signature of Issuing Officer	-		
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	IV. Ru	les and Regulations - Generator Interconnection Pr	ocedure	Р
		Rules, Regulations, or Extension Policy		U C
	2. 3. (d) If th noti cust 1. 2.	 proposed Generating Resource, except that reverse power flosection will be allowed under the following conditions: A. No substation that is a wholesale power delivery point sh at any time. B. Voltage Regulation on distribution lines that are capable source during some part of the year may experience revere are capable of operating in Bias Co-generation Mode regulation and distribution lines that are not capa alternate source or in substations may experience reverse are capable of operating in Co-generation Mode regulation. D. The aggregate fault current contribution of all Generating resource, does not exceed 5% of the system minimum fa-sensing recloser or circuit breaker located between the p the high side of the associated substation. The system m calculated as the system fault current, with all Generating at each ground-fault-sensing recloser in question with the standard 40Ω single line-to-ground fault impedance place either the end of the line or the next downline ground-fault-sensing recloser or circuit breaker located between the proposed Generating Resource and to fault eurent contribution of all Generating resource, does not exceed 15% of the minimum trip setting recloser or circuit breaker located between the proposed side of the associated substation. In aggregate fault current contribution of all Generating resource, does not exceed 15% of the minimum trip setting recloser or circuit breaker located between the proposed side of the associated substation. In aggregate with any existing Generating Resource and the aggine settion shall not create impacts to safety or reliability the without application of the Level 3 Study Process and shall not create impacts to safety or reliability the without application fails a Supplemental Review analysis with the Applica proposed. Generating Resource and the agroups and the system replacement and extend the following optiomer: Continue the Supplemental Review analysis assuming the implementation of any minor m	w of a substation, circuit all experience reverse por of being backfed from an rse power flow if the regulation. ble of being backfed from power flow if the regulation. g Resources, including the ult current seen by any guider proposed Generating Resolution is engineerified at the last line segment alt-sensing recloser. g Resources, including the rating of all hydraulic re- the associated substation. g Resources, including the rating of all hydraulic re- the associated substation. g Resources, including the rating Resource and sircuit, the voltage regular the Association's standar ting Resource added to to 14 shall occur as a result gregate generating capace at cannot be adequately and the reduce the operational function into as- ion may dentially capacity, ation as- ion may tentially capacity, ation or on of the ring the h minor on of the ring the h minor on of the ring the h minor on of the ring the h minor on of the ch changes.	, or line ower flow n alternate ulator(s) is/ m any itor(s) is/ ne proposed round-fault ource and ll be d, present ing it before ne proposed colosers ne proposed controlled d the high ition on the ard voltage the system, t of the city on that ddressed flexibility to an iation shall T WRITE S SPACE
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Name of	Utility		_	Sheet No.	123	
			<u> </u>	Sheet No.		_
	IV. Rules and Re	egulations - Generator Interconnec	tion Procedure			I
	R	Rules, Regulations, or Extension Policy				0
vii	 3. Terminate the Process. 4. Withdraw the If the customer here the Association, (e) If the Application determines that the interconnected, of Application to proprions meeting, customer and all time for any mine to pass the screet forwarded to the via Certified Ma Agreement to the Association's elected Return Receipt of Agreement to the General Manage absence of the Generating Resource of the Generating Resource of Member Server regular business (b) Upon the requesting may authorize the more than 48 ho and/or controller impacts to the Association's ad disconnection as Once the Generating Resource of the Generating Resource of the Generating Resource of Member Server regular business (b) Upon the requesting the Association's ad disconnection as Once the Generating Resource the Generating Association's ad disconnection as Once the Generating State Electrical Inspective the Generating Association's and disconnection as Once the Generating State Electrical Inspective the the signed do must be received by the customer and Sign Correct the expiration extension. The Association's and the signed do must be affected to have been Before the expiration for addition or could be affected to the customer and Sign Correct the Generating Resource the Generating Resource the Signed do must be received by the signed do must be received by the customer and Sign Correct the Signed do must be received by the customer and Sign Correct the Signed do must be received by the customer and Sign Correct the Signed do must be received by the customer and Sign Correct the Signed do must be received by the customer and Sign Correct the Signed do must be received by the customer and Sign Correct the Signed do must be received by	he Supplemental Review analysis and com- ne Application. has not responded to these options within the Application shall be deemed withdrar in passes the basic or Supplemental Review the proposed Generating Resource can ne- for if the Association determined that mind ass the basic screens and the customer ele- t, the Association shall forward an execute designated contacts, including a non-bin for modifications identified during the am- ns. The executable Interconnection Agree customer and all designated contacts witi il with Return Receipt Requested. The ci- e Association together with payment for a certic system within 30 business days of the re-exotomer within two business days of it ris designated as the primary person auti- general Manager, the Operations Manager hnology, are authorized as backup person- cution Agreement is executed and returned arece. Innection Agreement has been executed a resource installer may make arrangements ices to pick up the Production Meter base hours. to f the interconnection customer or one of the customer or their installer to energize to urst to allow for the testing and configurat (s), if the Association determines that thi sociation's reliable delivery of electricit Resource installer should energize the G vance authorization to do so, the service to a safety hazard under the terms of A.(7) Resource has been installed and has beer perform accordance with applicable law, the designated contacts shall complete the Off Area sections of the Certificate of Cor- ocument to the Association. The Certific the Association within one year of the dar- tement was fully-executed or the Applica- tement was fully-executed or the Applica- te of this one-year period, the customer ma- ciation will review any such requests and total Interconnection Applications have b- by the DER capacity being held in reserve-	nvert the Application ten business days of wn. ew analysis screens, or evertheless be safely a or modifications wou ected to pursue this of able Interconnection a ding good faith estim alysis as being requir ement and estimate, if thin five business day ustomer shall execute any necessary improv- the date they received return one copy of the ts receipt thereof. Th horized to execute the Agree to the customer, the and returned to the cu- s with the System Enge (s) at the Association of their designated co- he Generating Resource w location shall be subj- of this GIP. In inspected by the he interconnection Interconnection inpletion and cate of Completion te that the tion shall be ement shall expire. ay request a time in may allow such an been filed which are e for the customer	to the Level 3 S receipt of notice or if the Associa and reliably Id allow the ption at the cust Agreement to the ate of the cost a ed for the Appli if applicable, sh s of this determ e and return the rements to the lit, as shown or Interconnection e Association's e Agreement. In , or the Manage eement. customer may i stomer, the cust gineers or the D a's headquarters ntacts, the Assoc rece for a period g Resource's inva and without advers. If the custor vithout receiving ect to immediat	Study e from tion omer and lead ication all be ination a the n the n the r of nstall omer or irector s during ociation of not verter(s) verse mer or g the te	
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		Signature of issuing officer				

Y-W Electric A	Associati	ion, Inc.			Colo	PUC No.	3
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	an su cu	d if, at the Associa bstantially changed stomer and all desi	tion's sole discretion, the l since the original evalua gnated contacts in writing	operating conditio tion was complete g of its approval or	ns of its electric sy d. The Association rejection of any ti	/stem have not n shall notify th me extension r	he equests.
х.	. No th its sc Pr ch (a (b	otwithstanding the is GIP, within ten d s designated contact hedule an inspection roduction Meter and anges will generall) The Association inverters, discon Resource, and w) The Association particular so that GIP.	Association's right to obs lays of its receipt of both ts and the meter release fr on and safety test of the G d replacement of the servi y be carried out in the fol will briefly examine the of nect switches, Production ill ensure it has no object will ensure that the Product power flows the correct of	erve Commissionin the Certificate of C om the State Elect enerating Resource ce meter with a Ma lowing manner: Generating Resource Meters, and circuit ions to the safety o action Meter socke direction through the	ng Tests as specifi Completion from the rical Inspector, the e along with the in aster Meter. The s ce and ascertain the it breaker(s) feeding f the installation. t appears to be with he meter as specifi	ed in Part A.(1 he customer or e Association sl stallation of the afety test and 1 he locations of a ng the Generati red correctly, in he in A.(10).v	0).vii of one of hall e netering any ng n of this
	(c) (d) (e) (f) (g)	 The Association The customer or After the Genera the service locati approve service voltage measurer to verify that the anti-islanding ca the Association's The Association The Association 	will install the Production one of the designated con- ting Resource begins pro- ion if such interruption is interruption, the Associat ment inputs, simulating a Generating Resource sto pability of the Generating s facilities in the case of a will replace the service n will re-energize the servi	n Meter(s) in its/that ducing electricity, acceptable to the of ion will interrupt p power outage. Th ps energizing the P t, Resource and ver n outage. neter with a new m ce and wait for the	eir socket(s). p the Generating F the Association wi customer. If the cu ower to the Gener is will allow the A Production Meter s ifies that it will sat aster meter. Generating Resou	Resource. Ill interrupt povustomer does nating Resource ssociation's peocket. This tes fely cease energing arce to begin pr	wer to ot 's rrsonnel sts the gizing roducing
xi	i. If all co wi	any part of the insp l designated contac ontacts shall remedi ithin 30 business da	bection and test in subpart ts within two business day ate any failures of this tes ays. Subpart x. above wil	x. above fails, the ys of such failure. t and notify the As l then be repeated.	Association will r The customer and ssociation of such	notify the custo their designate remediation in	mer and ed writing
xi	ii. Uj re co Uj tes th ab re of Ca re of	pon successful com turn the Certificate ompletion of the Int pon the recommend sting in subpart x. a e primary person at osence of the Gener commendation to th Information Techr ertificate of Comple turned to the custor Subpart x. above.	apletion of the inspection of Completion to the cust erconnection Process, applation of the System Engi above, the Association's C athorized to execute the C al Manager, the System E the Operations Manager, the ology, who are authorize etion. The fully-signed C ner within three business	and test in subpart tomer and all design proval of the install neer witnessing the General Manager is Certificate of Comp Ingineer may make the Office Manager d as backup person ertificate of Comp days of the success	x. above, the Asso mated contacts, wh lation, and authorize e successful designated as letion. In the this , or the Manager is to execute the letion shall be sful completion	Deciation will signich formally in zation to opera	in and idicates te. UTE ICE
xi	iii. Th bu de bu	ne Association shal usiness days of the p posits were insuffic usiness days of the p	l refund any unused porti- return of the fully-signed cient to complete the proj return of the fully-signed	on of such deposits Certificate of Com ect, the Association Certificate of Com	s within 60 pletion. If such n shall, within 60 pletion, invoice		
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IV.]	ules and Regulations - Generator Interconnection Procedure		
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the cu	tomer for the difference between the deposit(s) received and the actual co	ost of completing	the
additi	nal work. The customer shall pay the amount due within 20 business day	ys.	
		Do Nom un	
		DO NOT WI IN THIS SP.	ATE ACE
dvice Letter No. 117	Issue Da	te: November 1	5, 2022
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	IV. Ru	les and Regulations - Generator Interconnection Pro	ocedure			P
		Rules, Regulations, or Extension Policy				C (
E. <u>LEVEI</u>	. 3 STUDY PROCI	SS—ALL OTHER RESOURCES:				
(1)	Introduction Generating Resou Supplemental Re- interconnection in distribution syste Association custo equipment, and su region.	rces that are too large for the Level 2 Interconnection Process iew screens of the Level 1 or Level 2 Interconnection Process order to ensure that they can be interconnected to the Associa as safely, without creating adverse impacts on the quality of se ners, without causing damage to the Association's subtransmi bstations, and without causing reliability impact to regulated t	or that fail the ses require deta tion's subtrans ervice experier ission and distr transmission p	basic screens ailed studies p smission or nced by other ribution lines roviders in th	s and prior to r nearby ,	
(2)	Process The Level 3 Stud	Process is as follows:				
	i. The Ass the Forn	ciation recommends, but does not require, that the interconnec al Pre-Application Interconnection Data Request process found	ction customer id in GIP Part I	r initially com B.	nplete	
	ii. The inte	connection customer submits an Application, consisting of the	e following:			
	 (a) The A.(1) (b) Pay Predate interaction of the second secon	Application for Operation of Customer-Owned Generation for 0).i of this GIP. nent of the \$50,000 application deposit in accordance with Par Application Interconnection Data Request was paid for and con- that the Application is received by the Association, the applica- connection customer intends to pay electronically, they may re- vables invoice be sent prior to submission of the application. to pay the Association's actual expenses in evaluating the App- rd the actual cost of the studies and ultimate required system i m in order to accommodate the proposed Generating Resource site plan and circuit schematic drawings as specified in Part A- prehensive set of AC 3-line drawings and control schematics (erating Resource and all switchgear and all of their control and ufacturer's cut sheets clearly showing what OSHA Nationally fied the Generating Resource equipment. onstration of site control by one of the following means: Ownership of, a leasehold interest in, or a right to develop a si the Generating Resource, as demonstrated by a copy of such d or development agreement. An option to purchase or acquire a leasehold site for such purp may include a letter of intent, as demonstrated by a copy of suc- purchase agreement or letter of intent. An exclusivity or other business relationship between the interconnection customer and the entity having the right to sell grant the interconnection customer the right to possess or occu for such purpose, as demonstrated by a copy of the contract es such a relationship.	rt A.(10).ii of t mpleted within ation fee is red equest an elect The application plication as we improvements e. (10).4 of this AC and DC) d i protection ele Recognized T ite for the purp leed, lease, pose which ich option	this GIP. If a n six months luced by \$12: tronic miscell on deposit wil ell as being ay to the Associ GIP in additi letailing the e ements. Testing Labor	a Formal of the 5. If the laneous ll be pplied iation's ion to a entire ratory ructing	
	iii. Upon re all addit together	eipt of an electronic Application by the Association, the Appli onal supporting documents will be printed. When the Applica with payment have both been received, regardless of the metho	ication and ition od either			
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	Iv	V. Rules and Regulat	ions - Generator	Interconnection Pro	ocedure	
		Rules, F	Regulations, or Exte	nsion Policy		
	w fie	as submitted, the Applicat de Application was receiv	tion will be date and ed by the Association	time stamped. This stan.	amp denotes that time that	a bona
i	iv. W th	ithin three business days e interconnection custome	of the date and time er and all listed cont	of receipt of the Applic acts that the application	cation, the Association wil has been received.	l notify
	v. W th th is th	Vithin ten business days of e Application for complet at the application was con required to make the appl e Applications were recei	the date and time o eness. and notify the nplete or that the ap lication complete. T ved, according to th	f receipt of the Applicat e interconnection custon plication was incomplet hese evaluations will be e applied received stam	tion, the Association will e mer and all listed contacts te and what additional info e performed in the order in p.	evaluate either prmation h which
	(a) Within ten business day interconnection custom neither occurs before te by the time the extension Association will hold the The interconnection cu application fee; except must be paid if this creat Application Interconne	ys of receipt of the r ler must either provi en days, or if an exter on expires, the Appl he project for that A stomer may reapply that the \$125 credit dit was received and ction Data report da	otice that the Application de the missing information is requested and to ication is deemed to have pplication open for one within that one-year per for the Pre-Application more than six months te and the reapplication	on is incomplete, the tion or request a time exten- the information still is not ve been withdrawn. The year from the withdrawal criod without paying an ad Interconnection Data Req elapses between the Pre- date.	nsion. If provided date. ditional juest
	(b	When the Application interconnection queue. order in which they ent	is deemed complete Interconnection Ap ered the queue. Eac	it shall be date and tim plications will be proce h substation shall have	e stamped and entered inte essed by the Association ir its own queue.	o the 1 the
	vi. W in A in w A cc	Vithin 10 business days of terconnection customer to ssociation's wholesale po- the scoping meeting and ill be to discuss whether a pplication can proceed dir ombining the functions of	the Application con o arrange a scoping r wer provider and ad subsequent studies. feasibility study is rectly to a system in the feasibility, syste	ppletion date, the Assoc neeting at a time agreea ditional area transmission The major topics for din necessary, if the feasibi pact study, or if a conso m impact, and facilities	iation will contact the able to both parties. The on providers may also be in scussion at the scoping mulity study can be omitted a polidated study process can studies into one shortened	involved eeting and the be used d study.
	vii. If fo (a	the interconnection custor llowing options:	mer elects not to att	end a scoping meeting,	the Association will offer	the
	(b (c (d T1 th	 Proceed with a transmit If mutually agreed upor Association, the option of the feasibility, syster option will generally of the smaller end of the c Withdraw the application the customer shall inform t Application shall be dee 	ssion and/or distribu n by the interconnec to proceed with a c m impact, and facili nly be available to p output rating range c on. the Association in w med to have been w	tion system impact stud tion customer and the ombined study fulfilling ies studies may be offe roposed Generating Res overed by this process. riting within ten busine rithdrawn.	dy. g the roles red. This sources at ss days or	/RITE PACE
·	viii. Tl fe cc in	he Association shall make asibility study agreement ost estimate, or consolidate terconnection customer w	a good-faith effort and cost estimate, s ed study agreement ithin five business c	to forward an executabl ystem impact study agre and cost estimate to the ays of either the scopin	e eement and g meeting	
vice Letter No.	117	7			Issue Date: November 1	5, 2022

Y-W Electric Association, Inc. Colo PUC No. 3 130 Name of Utility Original Sheet No. Cancels Sheet No. IV. Rules and Regulations - Generator Interconnection Procedure $\begin{array}{c} P & C \\ U & o \\ C & d \\ e \end{array}$ Rules, Regulations, or Extension Policy or the Association's receipt of the interconnection customer's election under subpart viii. above. The Association will need to retain a consulting engineering firm to assist with some of the studies used throughout this process, which may make it difficult or impossible to meet the five-day deadline here, which deadline is established by the Colorado PUC's Level 3 Process requirements under 4 CCR 723-3 §3856. ix. In order to remain under consideration for interconnection, the interconnection customer must return the executed agreement, together with payment of any required deposit, within 30 business days of receipt of the executable agreement from the Association. The results of the feasibility study or the system impact study will determine whether the evaluation needs х. to continue to a transmission system impact study, a distribution system impact study, or a facilities study. The Association shall make a good-faith effort to forward executable study agreement(s) and a cost estimate for the next identified stage of the study process to the interconnection customer within 15 business days of the completion of the feasibility study or the system impact study and receipt of any payment due from the preceding study. The Association will likely need to retain a consulting engineering firm to assist with these studies and there is a strong possibility that the Association will need to involve and coordinate with at least one transmission provider. This may make it impossible to meet the 15-day requirement here. Subparts ix. and x. here may be repeated over multiple iterations as the study process carries on to completion. Some studies may, depending on the characteristics of the system being interconnected to and of the proposed Generating Resource, identify additional studies that need to be carried out before the process culminates in a final facilities study. Within five business days of the completion of the facilities study or the combined study, the Association xi. will forward the interconnection customer a report containing the facilities changes that will need to be made to the Association's electric system and to any upline transmission providers' systems together with a cost estimate for such work and an executable interconnection agreement. The estimate shall identify itemized costs that could exceed the estimated cost by 125%. Within 45 business days of receipt of the interconnection agreement, system improvement list, and cost xii. estimate, the interconnection customer shall return the executed agreement together with payment for the estimated cost of the improvements to the Association, or the Application shall be deemed to have been withdrawn. Once the Interconnection Agreement is executed and returned to the customer, the customer may begin xiii. construction of the Generating Resource. (a) Upon the request of the interconnection customer or one of their designated contacts, the Association may authorize the customer or their installer to energize the Generating DO NOT WRITE Resource for a period of not more than 48 hours to allow for the initial IN THIS SPACE testing and configuration of the Generating Resource's equipment, if the Association determines that this can be done safely and reliably and without adverse impacts to the Association. If the customer or their Generating Resource installer energizes the Generating Resource without receiving the Association's advance authorization to do so, the service location shall be subject to immediate disconnection as a safety hazard under the terms of A. (7) of this GIP. xiv. Once the Generating Resource has been installed and has been inspected by the State Electrical Inspector in accordance with applicable law if so required, the interconnection customer shall complete the Interconnection Customer and Sign Off Area sections of the Certificate of Completion and forward the signed Advice Letter No. 117 Issue Date:

Decision or	
Authority No.	

Signature of Issuing Officer

November 15, 2022

General Manager

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			Cancels		Sheet No.		_
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		R	ules, Regulations, or Extension Policy				0
		document to the Asso the required timefram to have been withdray -year period, the custo and may allow such a or could be affected b discretion and that of system have not subst notify the customer an extension requests.	beiation. The Certificate of Completion must be rece the as contained in the Interconnection Agreement or the wn and the Interconnection Agreement shall expire. Other may request a time extension. The Association on extension if no additional Interconnection Applica by the DER capacity being held in reserve for the cus any involved transmission providers, the operating of tantially changed since the original evaluation was con and all designated contacts in writing of its approval of	ived by th the Applic Before the n will revie stomer and conditions ompleted. or rejection	e Association ation shall be e expiration of e any such re- been filed wh if, at its sole of the area ele The Association of any time	within deemed this one quests ich are ectric ion shall	
	XV.	Notwithstanding the <i>A</i> this GIP, within ten d completion of the Ass relating to the interco	Association's right to observe Commissioning Tests ays of its receipt of the Certificate of Completion fro sociation's installation and commissioning of its owr nnection, the Association shall schedule an inspectio	as specifie om the cus on facilities on of the G	ed in Part A.(10 tomer and the or improveme enerating Reso	0).vii of ents ource.	
	xvi.	If any part of the insp business days of such Association of such re repeated.	pection in subpart xv. above fails, the Association will failure. The customer shall remediate any failures of emediation in writing within 30 business days. Subp	ll notify th of this test part xv. abo	e customer wit and notify the ove will then b	thin two be	
	xvii.	Upon successful com complete system, the all designated contact the installation, and a witnessing the succes as the primary person Manager, the System Manager, or the Mana the Certificate of Con customer within three	pletion of the inspection in subpart xv. above and acc Association will sign and return the Certificate of Co ts, which formally indicates completion of the Interco uthorization to operate. Upon the recommendation of subpart xvi. above, the Association's C authorized to execute the Certificate of Completion. Engineer may make this recommendation to the Ope ager of Information Technology, who are authorized npletion. The fully-signed Certificate of Completion business days of the successful completion of subpart	ceptable o ompletion onnection of the Syst General M . In the ab erations M as backup i shall be r art xvi. ab	peration of the to the custome Process, appro em Engineer anager is desig sence of the G anager, the Of persons to exc eturned to the pove.	er and oval of gnated General ffice ecute	
	xviii.	At each stage of the p project balance of act remaining from the ap applied against the ne	process above where the interconnection customer is rual costs incurred by the Association to-date will be pplication deposit and all study deposits previously p w deposit amount due.	required to evaluated aid shall b	o pay a deposit and any unuse be carried forw	t, the ed funds vard and	
	xix.	The Association shall business days of its re- transmission provider deposits were insuffic business days of its re- transmission provider the customer for the co of completing the pro- business days.	I refund any unused portion of such deposits within 6 eccept of final invoices from all collaborating consult rs, material suppliers, and contractors on the project. cient to complete the project, the Association shall, we eccept of final invoices from all collaborating consult rs, material suppliers, and contractors on the project, difference between the deposit(s) received and the ac ject. The customer shall pay the amount due within	50 ants, If such vithin 60 ants, invoice tual cost 20	DO NOT WR IN THIS SPA	ITE ICE	_
	XX.	Feasibility Study:					
		(a) Based on its fami and the upline sy	iliarity with the operating characteristics of its own s stems of its transmission providers, the Association	ystem may or			
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-			Signature of Issuing Officer	_			-

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	IV.]	Rules and Regulations - Generator Interconnection Proc	edure	
		Rules, Regulations, or Extension Policy		
	(b) W (b) W (b) W (c) C (c) C	ay not recommend that a feasibility study be completed for any Le ne interconnection customer may, at their own discretion, elect to he order to gain preliminary insight into the basic practicality of tryin esource into the Association's electric system. This section describ ocess for completing the feasibility study. Due to conflict of inter- terconnection customer nor any engineering firm associated with t mry out any portion of the feasibility study. Within 30 business days of its receipt of the executed feasibility stude posit for the lesser of 50% of the estimated cost of the feasibility stude ope of the feasibility study, which should include at least the follor Integration of existing transmission and distribution system mode proposed Generating Resource, which shall be modeled such that is measured regardless of the stated purpose of the Generating F additional cost and time delays to repeat this study if the interco- the purpose for which the Generating Resource is being installed Initial identification of any circuit breaker short circuit capabilit the interconnection. Initial review of grounding requirements and electric system pro- Initial review of grounding requirements and electric system pro- Initial description of and non-binding cost estimates for facilitie proposed Generating Resource and to address the identified sho nce the feasibility study is completed, the Association shall prepar-	evel 3 Study Process App nave a feasibility study con- nave a feasibility study con- stant study con- nave a feasibility study con- nave a feasibility study con- nave a feasibility study con- stant study con- nave a feasibility study con- stant study con- tent study con- stant study con- stant study con- tent stu	lication. ompleted ration ind er the /ed to int of a in the full el of the impact changes sult of e et the r issues.
	re st b	port to the interconnection customer together with an invoice for thudy, less the deposit paid. Any amount due shall be paid by the insiness days.	he actual cost of the feasi terconnection customer v	ibility vithin 20
XX1.	Distri	bution System Impact Study:		
	(a) If n s e st s t f n f a c c c f f f	potential distribution system adverse impacts are identified during eeting, or if a feasibility study indicates potential adverse distribut stem impact study may be required. Or, the interconnection custo ect to proceed directly to the distribution system impact study. Th udy is to identify and analyze potential adverse impacts to the Asso stem, whether these impacts were identified during the scoping mo e feasibility study, or this distribution system impact study, and to eans of mitigating these impacts in order to facilitate the completion cilities study. This section describes the basic content of and proc ompleting the distribution system impact study. Due to conflict of possiderations, neither the interconnection customer nor any engined rm associated with their project will be allowed to carry out any po- e distribution system impact study.	g the discussion at the sco ion system impacts, a dis mer may, at their own die e distribution system imp ociation's electric distribu- eeting, identify on of a ess for interest ering ortion of	pping stribution scretion, pact ution
	(b) T sy d en in	the Association shall make a good-faith effort to complete the distri- stem impact study within 30 business days of its receipt of the exe stribution system impact study agreement and payment of a deposi- timated cost of the distribution system impact study from the terconnection customer. The Association will likely need to retain	ibution ecuted it for the n a	
vice Letter No.	117	Is	sue Date: November 1	5, 2022
		Signature of Issuing Officer		
Decision or		General Manager Effec	tive Date January 1,	2023

Y-W Electric Ass	ociatio	n, Inc.			Col	o PUC No.	3
Name of U	Jtility			Original		Sheet No.	133
			Cancels			Sheet No.	
	IV.	Rules and	Regulations - Generat	or Interconnectio	on Procedure		
			Rules, Regulations, or E	xtension Policy			
xxii.	(c) Tra (a) (b)	consulting er providers in i impact study following: 1. Integrati proposed is measu addition the purp 2. Analysis automati unintent 3. Verifica 4. Analysis 5. Determi state cor 6. Determi conditio 7. Determi under sta 8. Determi 9. Identifice binding 10. Prelimin above sy Once the dist distribution s the actual cor interconnections system impacts to tra distribution s meeting or di directly with mitigating th study. This s the transmission System transmission system impacts to tra distribution s the transmission system impacts to tra distribution s the transmission system impacts to tra distribution s meeting or di directly with mitigating th study. This s the transmission	ngineer to assist with parts of the process, both of which of agreement will contain the on of existing transmission d Generating Resource, while red regardless of the stated al cost and time delays to re- ose for which the Generating of steady state simulation, to restoration coordination, ional islanding, and arc flass tion that the proposed Genera- tion of the impact on the aditions. nation of the impacts on the ation of the impact so no eady state conditions. nation of the impacts on the ation of any facilities on the ation of the cost to impli- ary identification of any up stem impact study report st of the study, less the dep on customer within 20 busi- ter Impact Study: them Impact Study: them Impact Study: the feasibility study or a dis system impacts, a transmiss of subject in order to faci- section describes the basic of ion system impact study. To s distribution system is con ess by the Association will ion system impact study. tion shall make a good-faith provider(s) to complete the	of this study and may can foreseeably take full scope of the stu- and distribution sys ich shall be modeled purpose of the Gene epeat this study if the ng Resource is being short circuit analysi area electric system is hazards. erating Resource is u g unintended islands Association's distri- te Association's distri- te	y need to involve a additional time. The dy, which should tem models togeth such that its maxi- erating Resource. e interconnection of installed. is, protective device grounding, synche- sing certified or li- son the Association bution system pro- nin the Association ibution system pro- nin the Association ibution system pro- nin the Association ibution system pro- nin the Association ibution system pro- nin the Association solution system that above impacts, tog- changes. equipment that me Association shall on customer togeth int due shall be pa ed during the discr pact study indicate study may be requ- tial adverse n's electric uring the scoping ict studies or lentify means of n of a facilities ss for completing ers to which the twe been brought pecific terms of	area transmission The distribution include at least her with a model imum possible in This prevents customer later of the coordination, sted equipment on's distribution ling under all st otection, fault a's distribution wer quality. It will need to be gether with a no- lay also experied prepare and for er with an invo- id by the ussion at the scu- s potential adve- ired. The trans DO NOT WE IN THIS SP/	on a system the el of the impact changes a system eady system op n- nce the ward a ice for eping erse mission
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			Cancels			Sheet No.	
	IV	. Rules and Regulations	- Generator	Interconnection F	rocedure		
		Rules, Regul	ations, or Exte	ension Policy			
xxiii.	(c) . Fac (a) (b)	 within 30 business days of it and, if the remaining balance transmission system impact full scope of the study, whice 1. Integration of existing the proposed Generating Reference additional cost and time the purpose for which the correct any problems 4. Identification of any factor or installed in order to record to implement these Once the transmission system impact the actual cost of the study, within the actual cost of the study, which a statistic study is to clearly see quipment necessary to interelectric system. This can ration a medium-sized Generatiand substations. Area transmit distribution system interacts content of and process for content of and proces for content of and proce	is receipt of the e from the init study, payment study. The tra- h should inclu- ransmission and esource, which of the stated p delays to rep- ne Generating ability analys coordination ent or potentia- timinary indic identified in to alities on the to nitigate the ab- system chang m impact stud study report to less the depos thin 20 busine wystem impact specify and pro- connect the p- ng in comple- ing Resource and impleting the sustomer nor and tion of the face a good-faith effect is of its receip- ing balance file d cost of the face study report the sustomer nor and tion of the face a good-faith effect is of, and prep- plement the co- ities that may ithority. e cost of all m benerating Res-	e executed transmission ial deposit is not suffi- nt of an additional dep ansmission system imp ide at least the followin ind distribution system in shall be modeled suc- urpose of the Generati- eat this study if the int Resource is being insi- is, power flow analysis studies, and grounding al impediments to pro- ation of the cost and le- the above analyses and ransmission system the ove impacts, together res. y is completed, the As- o the interconnection of it paid. Any amount de- ses days. study is completed, a for obvide a means of contro- roposed Generating R xity from specifying I all the way up to new lers and balancing auti- nvolved in this study. facilities study. Due to ny engineering firm a ilities study. ffort to complete the fit to f the executed facil om the initial deposit facilities study, payme if the facilities study. The one a basic design for , and construction wor conclusions of the syst be required by any tra- source, including com-	on system impacient to pay the osit for the est bact study agreen ing: models togeth h that its maxing Resource. erconnection of called. s, voltage drop greviews. viding the requirent that will need to with a non-bir sociation shall bustomer togeth ue shall be paid facilities study racting for the esource with the title more than transmission an orities with w This section of o conflict of ir sociated with accilities ities study is not an The facilities should the k (including em impact nsmission	act study agree e estimated cost imated cost of sement will con- er with a mode mum possible This prevents customer later of and flicker stu- ested interconn- hat would be me e interconnecti- be modified, r ading estimate of forward the her with an invi- d by the will be required installation of a ne Association' metering required installation of a higher studies the ba- netering required their project w	ment at of the the nation the el of the impact changes adies, nection ecessary on eplaced, of the oice for ed. The all 's irements lines station's asic rations, ill be
dvice Letter No.	117				Issue Date:	November 1	5, 2022
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IV	V. Rules and Regulat	ions - Generator Interconnectio	on Procedure		
	Rules, I	Regulations, or Extension Policy			
(c)	equipment that ma 3. Specify and estima accommodate the -way shall be paid 4. Prepare an estimat facilities, real prop 5. If no major constru- complete the design preliminary design.) Once the facilities stud report to the interconner the deposit paid. Any a days.	y be required by the transmission pro- ate the cost of any real property and/or facilities specified above. Cost of an for by the interconnection customer. the of the time required to completely of perty, and/or right-of-way specified ab- uction is required to accommodate the pro-face of any facilities specified above. In a package for release to a consulting of the package for release to a consulting of the specified above of the specified above of the specified and the specified above of the specified above of the specified and the specified above of the specified above of the specified above of the specified above of the specified above of the specified at the specified of the specified above of the	ovider or the baland or right-of-way that y such real propert engineer, procure, a bove. e Generating Reson f major constructio engineering firm to prepare and forwa bice for the actual c connection custom	cing authority. may be required y rights and/or if and construct the urce's intercontrol n is required, points at the second rd a facilities store at the study er within 20 bu DO NOT WR IN THIS SPA	ed to right-of e nection, repare a ff point udy , less siness
lvice Letter No. 117	7		Issue Date:	November 15	2022
		Signature of Issuing Officer	-		, 2022
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Authority No.

Effective Date