



2024 Final Discretionary Policy Initiatives Catalog

July 18, 2024

2024 Final Discretionary Policy Initiatives Catalog

Table of Contents

1. Introduction.....	3
2. Catalog Development Process.....	4
3. Stakeholder Prioritization Rankings.....	5
Appendix 1: Description of Initiatives.....	9
Appendix 2: Non-Catalog Items.....	10
Appendix 3: Complete Results	10

1. Introduction

The ISO has historically maintained a catalog of potential discretionary policy initiatives submitted by stakeholders on a rolling basis. A policy initiative is a change to an ISO market process that requires a tariff change and stakeholder engagement process. Discretionary policy initiatives are policy initiatives not required for regulatory compliance or to meet an urgent market functionality need.

The discretionary policy catalog represents stakeholder-identified priorities among the stakeholder-submitted discretionary policy initiatives. The initiatives described in this catalog are considered as an input in the annual prioritization effort that yields the Policy Initiatives Roadmap, which describes the policy initiatives work plan over the next three years. That prioritization effort is informed by stakeholders, ISO Critical and Strategic Objectives developed with ISO Board of Governors and WEIM Governing Body input, the ISO's own assessment of policy changes needed to ensure reliable and efficient operation of the grid and markets, and regulatory requirements. The scope, regulatory and reliability requirements, implementation timelines, and interdependencies of initiatives determines the number of policy initiatives that the ISO can undertake, and is limited by the availability of ISO, stakeholder, and vendor resources.

The catalog describes stakeholder-identified priorities among the 31 discretionary policy initiatives submitted by stakeholders. The ISO has grouped these discretionary policy initiatives into nine categories, but recognizes that some initiatives span multiple categories.

Stakeholder submissions not included in the catalog generally fall into the categories described below, and are described in Appendix 2. The ISO has referred all submissions to the relevant internal team to evaluate feasibility and prioritization, and will have a status update on each submission by the time of the final Policy Initiatives Roadmap publication.

Existing Initiatives

This includes discretionary policy initiatives currently underway or that the ISO already plans to undertake.

Non-Discretionary Initiatives

This includes initiatives that the ISO is required to undertake to meet regulatory or reliability requirements.

Process Improvements & Market Analysis

This includes proposals for changes to existing ISO processes which do not require a tariff change and stakeholder initiative, or proposals for further analysis of existing market functions or outcomes. All proposed process improvements and market analysis requests have been referred to the relevant internal ISO team. Each team will make the determination about whether to pursue these process improvements. The ISO encourages stakeholders to continue to submit process improvement and market analysis requests through existing channels.

2. Catalog Development Process

The ISO has updated the catalog development process to take place on an annual cycle rather than on a rolling basis. The goal of this change was to enable stakeholders to meaningfully engage with catalog submissions and identify their priorities. This updated process is intended to provide inclusive, transparent access to the ISO's prioritization process.

Stakeholder submissions

The development of the 2024 catalog began in January 2024 with a level-setting stakeholder workshop and subsequent solicitation for discretionary policy initiative submissions from stakeholders. During February 2024, 32 stakeholders submitted 132 potential initiatives to the ISO. All submissions are posted on the ISO's 2024 Catalog and Roadmap Stakeholder Initiative webpage¹.

Stakeholder prioritization workshops

Between March and June 2024, the ISO held five stakeholder prioritization workshops. Stakeholders were invited to present their submitted discretionary policy initiatives in order to provide additional context and address any questions from other stakeholders. If stakeholders were unable to present their initiatives, ISO staff presented on their behalf. Recordings and slides of all stakeholder meetings are available on the 2024 Catalog and Roadmap Stakeholder Initiative webpage².

Stakeholder workshops began with a roundtable discussion between members of the Western Energy Imbalance Market Regional Issues Forum (WEIM RIF) identifying themes, issues, and priorities among the RIF's sector liaisons³. The RIF also produced a report identifying sector priorities⁴. The ISO held three prioritization workshops in April and May where 32 discretionary initiative proposals were presented. The workshops concluded in June with an ISO presentation on the stakeholder prioritization comment template.

Stakeholder prioritization rankings

Stakeholders were invited to identify their priorities among the nine categories of discretionary policy initiatives, as well as identify the priority level of each of the 31 individual discretionary policies. The results of these stakeholder rankings are identified in the following section.

Next steps

The results of the stakeholder rankings will be used to help inform which discretionary initiatives the ISO incorporates into the final Policy Initiative Roadmap, which will be released for stakeholder review in Q3 2024 and finalized by the end of 2024. As described in the introduction, the catalog is one of several inputs into the ISO's internal planning and prioritization process. For each initiative listed in the catalog,

¹¹ <https://stakeholdercenter.caiso.com/Comments/AllComments/7229828e-d159-4450-b317-4026172a6b55>

² <https://stakeholdercenter.caiso.com/RecurringStakeholderProcesses/Annual-policy-initiatives-roadmap-process-2024>

³ March 18, 2024 RIF Roundtable presentation, <https://www.westerneim.com/Documents/Presentation-WEIMRegionalIssuesForumRoundtableDiscussion.pdf>

⁴ April 30, 2024 RIF Roundtable report, https://www.westerneim.com/Documents/Regional_Issues_Forum_Policy_Roundtable_Report.pdf

the ISO will determine whether pursuing this initiative will benefit reliability or market efficiency. If yes, the ISO will evaluate the feasibility of undertaking the initiative and prioritize the initiative against existing obligations and resource availability. The final catalog will also help inform development of ISO strategic goals as representative of stakeholder priorities.



Figure 1: Policy Catalog & Roadmap Development Timeline

3. Stakeholder Prioritization Rankings

The following sections summarize the results of the stakeholder prioritization survey, which was completed by 117 stakeholders between June 12 and June 26, 2024. 47 stakeholders have participated in previous ISO stakeholder processes and are registered users on the ISO's online public comment tool ("registered stakeholders"). 70 stakeholders are new to participating in the ISO stakeholder process and are not registered users ("new stakeholders"). Due to the significant difference in responses between the two groups the ISO has provided survey results broken out by registration status, with registered stakeholders listed in bold font.

Stakeholders were able to rank nine initiative categories and 31 individual initiatives. Stakeholders were limited to selecting one highest priority category, and two highest priority initiatives.

Results: Categories

	Highest Priority		High Priority		Opposed	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Ancillary Services		Large-Scale Solar Association TerraVerde Energy LLC Sonnen Inc.	Vistra Corp. NextEra Energy Resources Middle River Power LLC Qcells USA City of Palo Alto San Diego Gas & Electric PG&E Terra-Gen, LLC CDWR California Energy Storage Alliance Tesla Silicon Valley Power GridStor Southern California Edison Qcells REV Renewables Boston Energy Trading and Marketing LLC WAPA-DSW	Swell Energy Amped Solutions, Inc. Fortress Power HES Renewables Ventura Energy LLC The Solaray Corporation Kinex Energy Storage PowerFlex King Energy GoodLeap Ecovolt Holdings Blu Sky Utility Flip Energy Independent Energy Consultant Energy Toolbase Software, Inc. Battalion Energy, Inc. Mountain Microgrid Off The Wall Energy Inc. MET West Trading LLC Interwest Energy Alliance Energyspense		
Bidding	CPUC Public Advocate CPUC Energy Division		Public Generating Pool Portland General Electric NextEra Energy Resources Middle River Power LLC City of Palo Alto PacifiCorp Enel North America, Inc San Diego Gas & Electric Terra-Gen, LLC CESA Tesla Silicon Valley Power Qcells Boston Energy Trading and Marketing LLC	FranklinWH Energy Storage Inc Riverside Ecovolt Holdings Saracen Energy West LP Independent Energy Consultant Battalion Energy, Inc Mountain Microgrids Sonnen, Inc Energyspense Tungsten Power	Arizon Public Service Vistra Corp.	Blu Sky Utility
Congestion Revenue Rights	City of Palo Alto PG&E CDWR Silicon Valley Power Southern California Edison Boston Energy Trading and Marketing LLC DC Energy California, LLC	Saracen Energy West LP MET West Tradding LLC Engelhart CTP (US) LLP Tungsten Power	CPUC Public Advocate Six Cities TransAlta CPUC Energy Division Vistra Corp. Qcells USA San Diego Gas & Electric Peninsula Clean Energy Bonneville Power Administration CalCCA Western Power Trading Forum GridStor CLECA	TerraVerde Energy LLC Your SolarMate Mitsubishi Cement Corporation Ecovolt Holdings ASE Flip Energy Independent Energy Consultant Off The Wall Energy Inc Sonnen, Inc Interwest Energy Alliance		
Demand Response	Voltus, Inc. PacifiCorp Leap Sunrun Tesla Advanced Energy United CLECA Renew Home/Ohm Connect, Inc.	EnergyHub State government employee, energy division California Efficiency + Demand Management Council The Climate Center Nuve Holding Corp Kalua Swell Energy FranklinWH Energy Storage Inc Vehicle-Grid Integration Council Uplight Sunova Energy Amped Solutions, Inc. sonnen, Inc. 127 Energy Stellar Solar Cobalt Power Systems, Inc Fortress Power ACR Solar Yotta Energy Ventura Energy LLC TerraVerde Energy LLC The Solaray Corporation Palmetto Solar Pathion Kinex Energy Storage CalSolarInc	CPUC Energy Division Arizona Public Service Portland General Electric Enel North America, Inc PG&E CDWR Qcells	HES Renewables Customer Power Solar Kinex Energy Storage SunPower ASE Battalion Energy, Inc Mountain Microgrids MET West Trading, LLC	Peninsula Clean Energy	
New Supply Technology	Northern California Power Agency		Public Generating Pool Arizona Public Service NextEra Energy Resources Avangrid Renewables Qcells USA Puget Sound Energy City of Palo Alto Enel North America, Inc Terra-Gen, LLC Silicon Valley Power	Swell Energy HES Renewables The Solaray Corporation Pathion Powertree Services, Inc LG Electronics ASE Independent Energy Consultant Sonnen, Inc Interwest Energy Alliance	Vistra Corp.	

	Highest Priority		High Priority		Opposed	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Resource Adequacy	<p>Six Cities Middle River Power LLC Qcells USA San Diego Gas & Electric Peninsula Clean Energy CalCCA Clean Power Alliance Prologis Qcells</p>	<p>Central Coast Community Energy TerraVerde Energy LLC Riverside</p>	<p>CPUC Public Advocate TransAlta CPUC Energy Division Fervo Energy NextEra Energy Resources Avangrid Renewables City of Palo Alto Terra-Gen, LLC CDWR Western Power Trading Forum California Energy Storage Alliance (CESA) Tesla Advanced Energy United Silicon Valley Power (City of Santa Clara) Prologis Southern California Edison REV Renewables California Large Energy Consumers Association (CLECA) WAPA - DSW</p>	<p>EnergyHub Large-scale Solar Association Kaluza Sunnova Energy Amped Solutions, Inc. Fortress Power HES Renewables Ventura Energy LLC The Solaray Corporation Pathion Kinex Energy Storage JKB Energy PowerFlex King Energy Powertree Services Inc. Sun Light & Power Scale Microgrids LG Electronics Mitsubishi Cement Corporation GoodLeap Ecovolt Holdings Blu Sky Utility PearlX Infrastructure, LLC Saracen Energy West LP ASE Flip Energy Independent Energy Consultant Energy Toolbase Software, Inc</p>	<p>Vistra Corp.</p>	
Storage	<p>Vistra Corp. NextEra Energy Resources Terra-Gen, LLC Clean Power Alliance CESA Grid-Stor REV Renewables</p>	<p>Swell Energy HES Renewables TerraVerde Energy LLC Custom Power Solar Kinex Energy Storage Powertree Services Inc ASE Energy Toolbase Software, Inc Battalion Energy, Inc Mountain Microgrids Off The Wall Energy Inc</p>	<p>CPUC Public Advocate Public Generating Pool CPUC Energy Division Arizona Public Service Voltus, Inc. Portland General Electric Avangrid Renewables Middle River Power LLC Qcells USA PacifiCorp San Diego Gas & Electric Peninsula Clean Energy PG&E CalCCA CDWR Western Power Trading Forum Tesla Advanced Energy United Prologis Southern California Edison Qcells Boston Energy Trading and Marketing LLC</p>	<p>State government employee, energy division FranklinWH Energy Storage Inc Uplight Sunnova Energy Amped Solutions, Inc. Sonnen, Inc. Fortress Power ACR Solar Ventura Energy LLC The Solaray Corporation Palmetto Solar Pathion JKB Energy PowerFlex King Energy Your SolarMate Sun Light & Power Scale Microgrids LG Electronics SunPower Stem Riverside GoodLeap Ecovolt Holdings Blu Sky Utility PearlX Infrastructure, LLC Flip Energy</p>		
Transmission Planning	<p>Fervo Energy Enel North America, Inc</p>	<p>Your SolarMate</p>	<p>CPUC Public Advocate CPUC Energy Division Voltus, Inc Qcells USA San Diego Gas & Electric CDWR Advanced Energy United GridStor Prologis Southern California Edison</p>	<p>Large-Scale Solar Association Stellar Solar Pathion LG Electronics Blu Sky Utility Saracen Energy West LP Battalion Energy, Inc Interwest Energy Alliance</p>	<p>Vistra Corp.</p>	<p>JKB Energy</p>
Western Energy Imbalance Market	<p>Public Generating Pool TransAlta Arizona Public Service Portland General Electric Avangrid Renewables NW & Intermountain Power Producers Coalition Puget Sound Energy Bonneville Power Administration Western Power Trading Forum Salt River Project WAPA-DSW</p>	<p>Interwest Energy Alliance</p>	<p>Six Cities CPUC Energy Division Voltus, Inc Qcells USA PacifiCorp PG&E Advanced Energy United CLECA Renew Home/OhmConnect, Inc</p>	<p>State government employee, Energy Division Stellar Solar Pathion Your SolarMate Scale Microgrids LG Electronics Mitsubishi Cement Corporation Saracen Energy West LP Battalion Energy, Inc Sonnen, Inc Recurve Analytics, Inc Energysense</p>	<p>Peninsula Clean Energy</p>	<p>Tungsten Power</p>

Results: Initiatives

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Ancillary Services						
Ancillary services provided by solar resources <i>PG&E, Large Scale Solar Assoc</i>	Qcells USA PG&E	Large-scale Solar Association Sunnova Energy Amped Solutions, Inc. HES Renewables TerraVerde Energy LLC ASE Flip Energy Mountain Microgrids sonnen Inc.	CPUC Public Advocate Arizona Public Service NextEra Energy Resources Avangrid Renewables City of Palo Alto Enel North America, Inc. Terra-Gen, LLC CDWR Salt River Project Tesla Silicon Valley Power (City of Santa Clara)	Stellar Solar The Solaray Corporation Pathion JKB Energy Your SolarMate Powertree Services Inc. Sun Light & Power LG Electronics Blu Sky Utility PearlIX Infrastructure, LLC Independent Energy Consultant MET West Trading LLC Interwest Energy Alliance	GridStor Shell Energy North America (US), L.P.	
	Ancillary services pay for performance accuracy calculations <i>SCE</i>	San Diego Gas & Electric Southern California Edison	Independent Energy Consultant	CPUC Public Advocate Vistra Corp. City of Palo Alto Enel North America, Inc. PG&E Silicon Valley Power (City of Santa Clara) GridStor REV Renewables	sonnen, Inc. TerraVerde Energy LLC The Solaray Corporation Kinetix Energy Storage Your SolarMate LG Electronics Ecovolt Holdings Blu Sky Utility Battalion Energy, Inc MET West Trading LLC sonnen Inc. Interwest Energy Alliance	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Bidding						
Liquidity of bilateral indices used in FERC order 831 <i>CPUC Energy Division</i>	CPUC Public Advocate CPUC Energy Division PacifiCorp	Ecovolt Holdings Blu Sky Utility	Six Cities Portland General Electric City of Palo Alto San Diego Gas & Electric PG&E CESA Silicon Valley Power (City of Santa Clara) REV Renewables WAPA - DSW	Riverside ASE	Arizona Public Service Vistra Corp. Terra-Gen, LLC Shell Energy North America (US), L.P.	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Congestion Revenue Rights						
Market of willing buyers and sellers <i>CAISO DMM</i>	CPUC Public Advocate Six Cities City of Palo Alto Silicon Valley Power (City of Santa Clara) Southern California Edison		CPUC Energy Division Peninsula Clean Energy PG&E CalCCA CDWR California Large Energy Consumers Association (CLECA)	TerraVerde Energy LLC The Solaray Corporation Pathion JKB Energy Powertree Services Inc. Sun Light & Power LG Electronics Mitsubishi Cement Corporation Blu Sky Utility ASE Independent Energy Consultant	TransAlta Vistra Corp. Avangrid Renewables Middle River Power LLC Terra-Gen, LLC Western Power Trading Forum Boston Energy Trading and Marketing LLC DC Energy California, LLC Shell Energy North America (US), L.P.	Saracen Energy West LP MET West Trading LLC Engelhart CTP (US) LLC Tungsten Power
CRR enhancements <i>WPTF</i>	TransAlta Vistra Corp. Western Power Trading Forum Boston Energy Trading and Marketing LLC DC Energy California, LLC	Pathion Saracen Energy West LP MET West Trading LLC Engelhart CTP (US) LLC Tungsten Power	Portland General Electric Avangrid Renewables San Diego Gas & Electric Peninsula Clean Energy PG&E CDWR California Large Energy Consumers Association (CLECA) Shell Energy North America (US), L.P.	Mitsubishi Cement Corporation Ecovolt Holdings Blu Sky Utility sonnen Inc. Interwest Energy Alliance		
Investigate need to split on-peak CRR into two times of use: on-peak and super peak <i>CDWR</i>	Peninsula Clean Energy CDWR	TerraVerde Energy LLC MET West Trading LLC	CPUC Public Advocate TransAlta Portland General Electric Vistra Corp. City of Palo Alto Terra-Gen, LLC Silicon Valley Power (City of Santa Clara) GridStor Southern California Edison	Central Coast Community Energy Swell Energy Custom Power Solar Pathion Powertree Services Inc. Blu Sky Utility Saracen Energy West LP ASE Independent Energy Consultant Energy Toolbase Software, Inc		
Eliminate global derate factor (GDF) from monthly CRR allocation processes if intended outcome of GDF application is minimal <i>CDWR</i>		Engelhart CTP (US) LLC	Portland General Electric CDWR Clean Power Alliance	ASE	PG&E DC Energy California, LLC	
Counter-flow CRR allocations <i>CDWR</i>			TransAlta Portland General Electric CDWR Clean Power Alliance	ASE MET West Trading LLC Engelhart CTP (US) LLC Tungsten Power	Terra-Gen, LLC DC Energy California, LLC	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Demand Response						
Real-time load bidding <i>CDWR</i>	CDWR	HES Renewables TerraVerde Energy LLC Powertree Services Inc. EVCS Stem	CPUC Public Advocate CPUC Energy Division Portland General Electric NextEra Energy Resources City of Palo Alto Enel North America, Inc. Leap Silicon Valley Power CLECA WAPA – DSW Shell Energy North America (US), L.P.	Amped Solutions, Inc. Fortress Power The Solaray Corporation LG Electronics Mitsubishi Cement Corporation Lunar Energy Saracen Energy West LP ASE Flip Energy Independent Energy Consultant Battalion Energy, Inc. Mountain Microgrids Off The Wall Energy Inc. MET West Trading LLC sonnen Inc. CPower Energysense	Terra-Gen, LLC	
RDRR minimum on time and fixed cost dispatch <i>CLECA</i>		Mitsubishi Cement Corporation	Public Generating Pool Volturn, Inc. Enel North America, Inc.	EnergyHub California Efficiency + Demand Management Council Blu Sky Utility PearlIX Infrastructure, LLC Independent Energy Consultant sonnen Inc. Interwest Energy Alliance CPower Energysense		
Modified PDR – hybrid PDR with BTM storage <i>Joint DR Parties</i>	Volturn, Inc. Enel North America, Inc. Leap Sunrun Tesla Advanced Energy United Prologis Qcells CLECA Renew Home/OhmConnect, Inc.	EnergyHub State government employee, energy division California Efficiency + Demand Management Council The Climate Center Nuve Holding Corp Kaluzza Swell Energy FranklinWH Energy Storage Inc. Vehicle-Grid Integration Council Uplight Sunnova Energy Amped Solutions, Inc. sonnen, Inc. 127 Energy Stellar Solar Cobalt Power Systems, Inc. Fortress Power ACR Solar Yotta Energy Ventura Energy LLC TerraVerde Energy LLC Palmetto Solar Custom Power Solar Pathion Kinetix Energy Storage CalSolarInc	CPUC Public Advocate CPUC Energy Division Arizona Public Service Avangrid Renewables City of Palo Alto PG&E CESA Silicon Valley Power	Central Coast Community Energy HES Renewables The Solaray Corporation Your SolarMate Powertree Services Inc. PearlIX Infrastructure, LLC Mountain Microgrids Interwest Energy Alliance	Vistra Corp. Terra-Gen, LLC	
Revision of DR control group settlement methodology <i>PG&E</i>		Uplight The Solaray Corporation Recurve Analytics, Inc.	Arizona Public Service Volturn, Inc. PG&E Leap Renew Home/OhmConnect, Inc.	Swell Energy Fortress Power Pathion PowerFlex Your SolarMate LG Electronics Stem Ecovolt Holdings Blu Sky Utility Saracen Energy West LP ASE Independent Energy Consultant Energy Toolbase Software, Inc Off The Wall Energy Inc. sonnen Inc. CPower Energysense	Terra-Gen, LLC	
PDR program enhancements <i>PacifiCorp, PGE, NV Energy</i>	Volturn, Inc. Portland General Electric PacifiCorp Leap Tesla Advanced Energy United Qcells Renew Home/OhmConnect, Inc.	EnergyHub California Efficiency + Demand Management Council The Climate Center Vehicle-Grid Integration Council TerraVerde Energy LLC PowerFlex King Energy Powertree Services Inc. LG Electronics Lunar Energy Energy Technology Savings, Inc. DBA Logical Buildings Energy Toolbase Software, Inc Optiwatt, Inc. Recurve Analytics, Inc. CPower Energysense	Public Generating Pool Arizona Public Service Puget Sound Energy PG&E	Kaluzza Swell Energy Fortress Power The Solaray Corporation Pathion Your SolarMate Scale Microgrids Ecovolt Holdings PearlIX Infrastructure, LLC ASE Independent Energy Consultant Battalion Energy, Inc Off The Wall Energy Inc. MET West Trading LLC sonnen Inc.	Terra-Gen, LLC GridStor	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Evaluating and addressing market rule inconsistency among 5/15/60 min bid options for DR resources <i>SCE</i>		127 Energy	Public Generating Pool Arizona Public Service Voltus, Inc. PG&E Southern California Edison CLECA WAPA - DSW	California Efficiency + Demand Management Council Swell Energy Fortress Power The Solaray Corporation Your SolarMate Powertree Services Inc. Mitsubishi Cement Corporation Ecovolt Holdings Blu Sky Utility Independent Energy Consultant Energy Toolbase Software, Inc MET West Trading LLC CPower Enersponse	Terra-Gen, LLC	
Remove RDRR discrete dispatch limit of 100 MW <i>SCE</i>			CPUC Public Advocate Voltus, Inc. Southern California Edison CLECA Shell Energy North America (US), L.P.	EnergyHub California Efficiency + Demand Management Council Kinetix Energy Storage Your SolarMate Scale Microgrids LG Electronics Mitsubishi Cement Corporation Independent Energy Consultant Energy Toolbase Software, Inc Battalion Energy, Inc sonnen Inc. Interwest Energy Alliance CPower Enersponse	Vistra Corp.	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
New Supply Technology						
Allow multi-stage generating units to be used within an Aggregate Capability Constraint <i>MRP</i>	Middle River Power LLC		Avangrid Renewables Puget Sound Energy Peninsula Clean Energy PG&E Shell Energy North America (US), L.P.	Independent Energy Consultant Interwest Energy Alliance		
Hydrogen electrolyzer market participation <i>NCPA</i>	Northern California Power Agency	Pathion	Public Generating Pool Middle River Power LLC Puget Sound Energy City of Palo Alto Silicon Valley Power CLECA	Mitsubishi Cement Corporation Ecovolt Holdings Independent Energy Consultant Interwest Energy Alliance	Vistra Corp. Terra-Gen, LLC	TerraVerde Energy LLC Scale Microgrids Mountain Microgrids
Hybrid and co-located resource enhancements, including RA provisions for hybrid resources <i>Terra-Gen</i>	NextEra Energy Resources Terra-Gen, LLC CESA	Central Coast Community Energy Large-scale Solar Association	CPUC Public Advocate CPUC Energy Division Arizona Public Service Portland General Electric Vistra Corp. Avangrid Renewables Middle River Power LLC Qcells USA Enel North America, Inc. Peninsula Clean Energy CalCCA Western Power Trading Forum Clean Power Alliance Tesla Advanced Energy United Prologis Southern California Edison CLECA	Sonnen, Inc. TerraVerde Energy LLC Pathion Powertree Services Inc. Scale Microgrids Mitsubishi Cement Corporation Riverside Independent Energy Consultant Energy Toolbase Software, Inc Mountain Microgrids Interwest Energy Alliance		

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Resource Adequacy						
Revisions to RAAIM* <i>CPUC Energy Division</i> *In scope of existing Resource Adequacy Initiative	CPUC Energy Division Middle River Power LLC Prologis	Riverside	CPUC Public Advocate TransAlta City of Palo Alto San Diego Gas & Electric Terra-Gen, LLC CalCCA Clean Power Alliance Silicon Valley Power Boston Energy Trading and Marketing LLC Shell Energy North America (US), L.P.	Your SolarMate Ecovolt Holdings Blu Sky Utility ASE Independent Energy Consultant	Vistra Corp. CLECA Northern California Power Agency	Mitsubishi Cement Corporation
Maximum Import Capacity enhancements: process to allocate MIC on multi-year going forward basis to accommodate LSEs with long-term contracts <i>Joint LSEs</i>	Six Cities Fervo Energy City of Palo Alto Peninsula Clean Energy CalCCA Clean Power Alliance Silicon Valley Power Shell Energy North America (US), L.P.	Central Coast Community Energy Riverside	CPUC Public Advocate TransAlta CPUC Energy Division NextEra Energy Resources Avangrid Renewables PacifiCorp PG&E Terra-Gen, LLC Western Power Trading Forum Advanced Energy United Southern California Edison CLECA	Sonnen, Inc. Mitsubishi Cement Corporation Blu Sky Utility ASE Independent Energy Consultant MET West Trading LLC	Vistra Corp.	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Storage						
Ancillary Services Real Time Re-Optimization* <small>CESA</small> <small>*In scope of existing Price Formation Enhancements Initiative</small>	REV Renewables	TerraVerde Energy LLC The Solaray Corporation	Public Generating Pool Vistra Corp. Avangrid Renewables Middle River Power LLC Qcells USA City of Palo Alto Terra-Gen, LLC Western Power Trading Forum CESA Tesla Silicon Valley Power GridStor Boston Energy Trading and Marketing LLC Shell Energy North America (US), L.P.	Pathion Kinetix Energy Storage Powertree Services Inc. Riverside Blu Sky Utility ASE Independent Energy Consultant Battalion Energy, Inc Off The Wall Energy Inc. MET West Trading LLC sonnen Inc. CPower		
Enable non-generating resources to participate in inter-SC trade <small>GridStor</small>	GridStor	Kinetix Energy Storage	Public Generating Pool TransAlta Voltus, Inc. Peninsula Clean Energy Terra-Gen, LLC Clean Power Alliance CESA REV Renewables Boston Energy Trading and Marketing LLC Shell Energy North America (US), L.P.	Fortress Power The Solaray Corporation Your SolarMate Powertree Services Inc. Riverside Saracen Energy West LP ASE Independent Energy Consultant MET West Trading LLC sonnen Inc. CPower		
Long duration energy storage initiative <small>CESA</small>	Qcells USA San Diego Gas & Electric	TerraVerde Energy LLC	CPUC Public Advocate Six Cities Public Generating Pool CPUC Energy Division Voltus, Inc. Portland General Electric NextEra Energy Resources City of Palo Alto PG&E CDWR Clean Power Alliance CESA Advanced Energy United Silicon Valley Power REV Renewables Boston Energy Trading and Marketing LLC	HES Renewables Pathion Kinetix Energy Storage Your SolarMate Saracen Energy West LP ASE Independent Energy Consultant Energy Toolbase Software, Inc Battalion Energy, Inc Off The Wall Energy Inc. MET West Trading LLC Interwest Energy Alliance Tungsten Power		
Energy storage outage improvements <small>Vistra, RIF IPP Sector</small>	Vistra Corp. NextEra Energy Resources Avangrid Renewables Terra-Gen, LLC CalCCA Clean Power Alliance CESA REV Renewables Boston Energy Trading and Marketing LLC	Interwest Energy Alliance	Public Generating Pool CPUC Energy Division Arizona Public Service Portland General Electric Middle River Power LLC Peninsula Clean Energy PG&E Western Power Trading Forum Tesla GridStor Prologis Southern California Edison	Central Coast Community Energy TerraVerde Energy LLC Pathion Kinetix Energy Storage Your SolarMate Powertree Services Inc. Scale Microgrids LG Electronics ASE Independent Energy Consultant Energy Toolbase Software, Inc Battalion Energy, Inc Mountain Microgrids Off The Wall Energy Inc. MET West Trading LLC Tungsten Power		

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Transmission Planning						
Long duration energy storage as a transmission asset <small>CESA</small>		TerraVerde Energy LLC Custom Power Solar	CPUC Public Advocate Public Generating Pool CPUC Energy Division Voltus, Inc. NextEra Energy Resources Qcells USA CESA Advanced Energy United	Uplight Amped Solutions, Inc. HES Renewables The Solaray Corporation Pathion Kinetix Energy Storage Your SolarMate Scale Microgrids LG Electronics Blu Sky Utility Saracen Energy West LP Independent Energy Consultant Energy Toolbase Software, Inc Battalion Energy, Inc Mountain Microgrids Interwest Energy Alliance	Vistra Corp Terra-Gen, LLC Northern California Power Agency	

	Highest Priority		High Priority		Oppose	
	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders	Registered Stakeholders	New Stakeholders
Western Energy Imbalance Market						
Settlement Enhancements in the EIM <i>BPA</i>	Public Generating Pool Arizona Public Service Bonneville Power Administration WAPA - DSW		Portland General Electric Vistra Corp. Avangrid Renewables Puget Sound Energy PacifiCorp Salt River Project REV Renewables Shell Energy North America (US), L.P.	ASE Independent Energy Consultant Recurve Analytics, Inc. Engelhart CTP (US) LLC	Terra-Gen, LLC	
Automated approval of outage changes in the EIM <i>BPA</i>	Puget Sound Energy Bonneville Power Administration		Public Generating Pool Arizona Public Service Portland General Electric Vistra Corp. NextEra Energy Resources Avangrid Renewables PacifiCorp REV Renewables WAPA - DSW Shell Energy North America (US), L.P.	TerraVerde Energy LLC Saracen Energy West LP ASE Independent Energy Consultant Sonnen, Inc	Terra-Gen, LLC	
Bidding rules on external WEIM interties <i>RIF IPP Sector</i>	Public Generating Pool TransAlta Avangrid Renewables NW & Intermountain Power Producers Coalition Western Power Trading Forum Shell Energy North America (US), L.P.	Interwest Energy Alliance	Voltus, Inc. Portland General Electric Vistra Corp. Qcells USA Puget Sound Energy Salt River Project CLECA	Pathion Scale Microgrids Mitsubishi Cement Corporation Independent Energy Consultant sonnen Inc. Recurve Analytics, Inc. Energysense	Terra-Gen, LLC	
CAISO BAA reliability and CAISO day ahead self scheduled exports <i>PG&E</i>	PG&E		CPUC Public Advocate Six Cities Public Generating Pool CPUC Energy Division City of Palo Alto Enel North America, Inc. San Diego Gas & Electric Salt River Project Silicon Valley Power Southern California Edison CLECA	Kaluza Powertree Services Inc. Scale Microgrids Mitsubishi Cement Corporation Riverside Saracen Energy West LP Independent Energy Consultant	TransAlta Terra-Gen, LLC	
Base scheduling below Pmin enhancement <i>SRP</i>		Puget Sound Energy Salt River Project	CPUC Energy Division Portland General Electric Avangrid Renewables Middle River Power LLC WAPA - DSW	Independent Energy Consultant	CPUC Public Advocate Terra-Gen, LLC	
Accounting for upward transition costs in settlements after economic commitments to lower configurations <i>SRP</i>		Arizona Public Service Salt River Project	Portland General Electric Vistra Corp. Avangrid Renewables Middle River Power LLC Puget Sound Energy WAPA - DSW	Powertree Services Inc. Independent Energy Consultant	CPUC Public Advocate Terra-Gen, LLC	

Appendix 1: Description of Initiatives

Appendix 2: Non-Catalog Items