California ISO Customer Readiness Master Acronym List (Training Purposes Only)
For an official list, refer to the Definitions and Acronyms Business Practice Manual

Acronym	Stands for
A/S or AS	Ancillary Services
AAE	Allocation Eligible Entity
AAEE	Additional Achievable Energy Efficiency
AARF	Application Access Request Form
AB	Assembly Bill
AC	Alternating Current
ACE	Area Control Error
ACMC	Always Credible Multiple Contingency
ADNU	Area Delivery Network Upgrade
ADS	Automated Dispatch System
AGC	Automatic Generation Control
AIM	Access Identity Management
AIM	Access and Identity Management
ALFS	Automated Load Forecast System
API	Application Programming Interface
APL	Aggregated Pricing Location
APN	Aggregate Price Node SC Trade
ASMP	Ancillary Services Marginal Price
ASQMD	Actual Settlement Quality Meter Data
AS-RD	Ancillary Service – Regulation Down
AS-RU	Ancillary Service – Regulation Up
ATC	Available Transfer Capability
AVR	Automatic Voltage Regulator
AWE	Alerts, Warnings, Emergencies (Notice)
BA	Balancing Authority
BA	Balancing Authority or Business Associate
BAA	Balancing Authority Area
BAAL	Balancing Authority Area Limit
BAAOP	Balancing Authority Area Operations Portal
BAID	Business Associate Identification
BASE	Base Schedule
BCR	Bid Cost Recovery
BD	Billing Determinant
BES	Bulk Electric System
BIEF	Bus Injection Effectiveness Factors
BOG	Board of Governors
BOSR	Body of State Regulators
BPM	Business Practice Manual
BPM PRR	Business Practice Manual Proposed Revision Request
BRS	Business Requirements Specification
BSAP	Base Schedule Aggregation Portal
BSCH	Base Schedule Sufficiency Test Results

BSCID	Base Schedule Coordinator ID
BTM	Behind the Meter
C.F.R.	Code of Federal Regulations
CA	Contingency Analysis
CAISO	California Independent System Operator
CARB	California Air Resource Board
CAS	Control Area Scheduler
CB	Convergence Bidder
CBE	Convergence Bidding Entity
CBEA	Convergence Bidding Entity Agreement
CBM	Capacity Benefit Margin
CBT	Computer Based Training
CC	Charge Code or Corrective Capacity
CCA	Community Choice Aggregator
CCDEBE	Commitment Costs Default Energy Bid Enhancement
CCE	Commitment Cost Enhancements
CCMC	Conditionally Credible Multiple Contingency
CCR	Competitive Constraint Run
CCVT	Coupling Capacitive Voltage Transformer
CD	Calendar Date
CEC	California Energy Commission
CEII	Critical Energy Infrastructure Information
CEQA	California Environmental Quality Act
CFCD	CAISO Forecast of CAISO Demand
CIDI	Customer Inquiry Dispute and Information System
CIM	Common Information Model
CIP	Critical Infrastructure Protection
CIRA	CAISO Interface for Resource Adequacy
CLAP	Custom Load Aggregation Point
CMA	CAISO Multiple Application
CMC	Credible Multiple Contingency
CMEP	Compliance Monitoring and Enforcement Program
CMRI	Customer Market Results Interface
CMRI	Customer Market Results Interface
CNode	Connectivity Node
COD	Commercial Operation Date
COG	Constrained Output Generator
CPA	Competitive Path Assessment
CPG	Customer Partnership Group
CPM	Capacity Procurement Mechanism
CPS	Control Performance Standards
CPT	Converted Physical Trade
CPUC	California Public Utility Commission

CRN	Contract Reference Number
CRR	Congestion Revenue Right
CRR MUI	CRR Market User Interface
CRRBA	CRR Balancing Account
CRREA	CRR Entity Agreement
CRS	Core Reliability Services
CSP	Competitive Solicitation Process
CSRM	CAISO System Reliability Margin
CSV	Comma Separated Value
CTC	Competition Transition Charge
CTG	
CTS	Credit Tracking System
CVR	Converted Right
DA	Day-ahead
DABE	Day-ahead Bid Energy
DACA	Day Ahead Contingency Analysis
DALPT	Day-Ahead Lower Price Taker
DAM	Day-ahead Market
DAME	Day-Ahead Market Enhancements
DAPE	Day-ahead Pumping Energy
DAPT	Day-Ahead Price Taker
DASE	Day-ahead Scheduled Energy
DASR	Direct Access Service Request
DASSE	Day-ahead Self-scheduled Energy
DB	Database
DC	Direct Current
DCF	Distribution Compensation Factor
DCPA	Dynamic Competitive Path Assessment
DDR	Disturbance Monitoring Data
DEB	Default Energy Bid
DEC	Decremental/Decrease
DERA	Distributed Energy Resource Agreement
DERP	Distributed Energy Resource Provider
DERPA	Distributed Energy Resource Provider Agreement
DEWG	Data Exchange Working Group
DGD	Distributed Generation Deliverability
DLAP	Default Load Aggregation Point
DLI	Dynamic Limit Interface
DMLE	Day-ahead Minimum Load Energy
DMM	Department of Market Monitoring
DNP	Distributed Network Protocol
DOP	Dispatch Operating Point
DOT	Dispatch Operating Target

DPF	Dispatcher Power Flow
DR	Demand Response
DR / DRS	Demand Response / Demand Response System
DRE	Derate Energy
DRP	Demand Response Provider
DRPA	Demand Response Provider Agreement
DRRS	Demand Response Registration System
DSA	Dynamic Scheduling Agreement
DSA	Dynamic Stability Analysis
DSHBAOA	Dynamic Scheduling Host Balancing Authority Operating Agreement
DSSE	Day-Ahead Self-Scheduled Energy
DTC	Dynamic Transfer Capability
DTE	Delta Time Error
E	Export
E&PA	Engineering and Procurement Agreement
EAL	Estimated Aggregate Liability
ECN	Energy Communication Network
ED	Exceptional Dispatch
EDAM	Extended Day-Ahead Market
EEP	Electrical Emergency Plan
EESC	EIM Entity Scheduling Coordinator
EFC	Effective Flexible Capacity
EFT	Electronic Funds Transfer (test/procedure)
EIM	Energy Imbalance Market
EIR	Eligible Intermittent Resource
ELAP	External Load Aggregation Point
ELC	Extremely Long-start Commitment (process)
EMMS	Enterprise Model Management System
EMNA	Energy Management Network Applications
EMS	Energy Management System
ENGY	Energy
EO	Energy Only
EQR	Electric Quarterly Report
ER	Electric Region
ERA	Energy Resource Area
ESDER	Energy Storage Distributed Energy Resources
ESP	Energy Service Provider
ESQMD	Estimated Settlement Quality Meter Data
E-Tag	Electronic Tag
ETC	Existing Transmission Contract
ETCC	Existing Transmission Contract Calculator
ETS	Energy and Transmission Service
ETSR	Energy Transfer System Resource

EZ-Gen	Existing Zone Generation Trading Hub
FC	Full Capacity
FCS	Forecast (Capacity above the forecast)
FERC	Federal Energy Regulatory Commission
FMM	Fifteen Minute Market
FNM	Full Network Model
FOR	Forbidden Operating Region
FR	Fuel Region
FRACMOO	Flexible Resource Adequacy Criteria and Must Offer Obligations
FRD	Flex Ramp Down
FRDP	Flex Ramp Down Price
FRP	Flexible Ramping Product
FRST	Flex Ramp Sufficiency Test
FRU	Flex Ramp Up
FRUP	Flex Ramp Up Price
FTP	"file transfer capability"
GA	Generation Aggregation
GADS	Generating Availability Data System
GCA	Generator Control Area
GCARM	Generator Contingency and Remedial Action Scheme Modeling
GDB	Geospatial Database
GDF	Generation Distribution Factors
GF	Grandfathered entities
GHG	Greenhouse Gas
GIA	Generator Interconnection Agreement
GIDAP	Generator Interconnection and Deliverability Allocation Procedures
GIP	Generator Interconnection Procedures
GIS	Geographical Information System
GMC	Grid Management Charge
GMD	GeoMagnetic Disturbance
GMS	Grid Messaging System
GO	Generator Owner
GOP	Generator Operator
GRDT	Generator Resource Data Template
GSS	Generating Self Schedule
GUI	Graphical User Interface
HANA	Hosted Advanced Network Applications
HAP	Hour Ahead Process
HASP	Hour Ahead Scheduling Process
HE	Hour Ending
HVAC	High Voltage Access Charge
HVTRR	High Voltage Transmission Revenue Requirement
HVWAC	High Voltage Wheeling Access Charge

Hz	Hertz
i	Current Interval
I	Import
IBAA	Integrated Balancing Authority
IBAAOA	Interconnected Balancing Authority Area Operating Agreement
IC	Interconnection Customer
ICAOA	Interconnected Control Area Operating Agreement
ICCP	Inter-Control Center Protocol Data
ICE	Imbalance Conformance Enhancements
ICE	Intercontinental Exchange
ICPM	Interim Capacity Procurement Methodology
ID	Identification Code
IFM	Integrated Forward Market
IIE	Instructed Imbalance Energy
ILT	Instructor Led Training
INC	Incremental/Increase
IOU	Independently Owned Utility
IRC	ISO/RTO Council
IRDT	Intertie Resource Data Template
IRO	Interconnection Reliability Operations and Coordination
IROL	Interconnection Reliability Operating Limit
IRP	Integrated Resource Plan
ISO	Independent System Operator
ISP	Independent Study Process
IST	Inter-SC Trade
ITC	Intertie Constraint Limits
ITC	Investment Tax Credit
ITP	Interregional Transmission Project
ITSS	Interchange Transaction Scheduling System
KVAR	Kilovolt Ampere Reactive
kW / kWh	Kilowatt / Kilowatt Hour
LAC	Local Access Charge
LAP	Load Aggregation Point
LCA	Local Control Area
LCL	Lower Charge Limit
LCR	Local Capacity Requirement
LCRIF	Location Constrained Resource Interconnection Facilities
LCRIG	Location Constrained Resource Interconnection Generator
LCT	Local Capacity Technical
LDF	Load Distribution Factor
LDNU	Local Delivery Network Upgrade
LESR	Limited Energy Storage Resources
LFDP	Load Following Deviation Penalty

LGIA	Large Generator Interconnection Agreement
LGIP	Large Generator Interconnection Procedures
LGISPA	Large Generator Interconnection Study Process Agreement
LIFO	Last In First Out (see POSO)
LMCP	Locational Marginal Capacity Price
LMP	Locational Marginal Price
LMPM	Local Market Power Mitigation
LOF	Lay Off Self Schedule
LOL	Lower Operating Limit
LOLE	Loss of Load Expectation
LOLP	Loss of Load Probability
LOS	Limited Operation Study
LPF	Loss Penalty Factor
LPT	Lower Price Taker (Export only)
LRA	Local Regulatory Authority
LSE	Load Serving Entity
LSG	Load Serving Generator
LSS	Load Self Schedule
LT CRR	Long-term Congestion Revenue Rights
LTC	Load Tap Changer
LTPP	Long Term Procurement Plan
LTRR	Local Transmission Revenue Requirement
LUO	Load Uplift Obligation
LVAC	Low Voltage Access Charge
LVTRR	Low Voltage Transmission Revenue Requirement
LVWAC	Low Voltage Wheeling Access Charge
MaxCRR	Maximum Congestion Revenue Rights Mega Watts
MCC	Marginal Cost of Congestion
MCDPU	Minimum Curtailable Demand Payment Uplift
MCL	Marginal Cost of Losses
MCP	Market Clearing Price
MCR	
MDE	Manual Dispatch Energy
MDEF	Meter Data Exchange Format
MDMA	Meter Data Management Agent
MDS	Maximum Daily Start-Ups
MDT	Minimum Down Time
MEAF	Metered Energy Adjustment Factor
MEEA	Market Efficiency Enhancement Agreement
MF	Master File
MGO	Meter Generator Output
MIP	Mixed Integer Programming
ML	Minimum Load

MLC	Minimum Load Cost
MLE	Minimum Load Energy
MMA	Material Modification Assessment
MNDC	Maximum Net Dependable Capacity
MO	Market Operator
MOC	Minimum Online Commitment
MOL$_{max}$	Maximum Operating Limit [T]
MOL$_{min}$	Minimum Operating Limit [T]
MOO	Most Offer Obligation
MP	Market Participant
MPM	Market Power Mitigation
MPM-RRD	Market Power Mitigation – Reliability Requirement Determination
MPP	Market Participant Portal
MPPF	Market Performance and Planning Forum
MPT CRR	Multi-Point Congestion Revenue Right
MRI-S	Market Results Interface – Settlements (& Metering)
MRTU	Market Redesign and Technology Upgrade
MSACAISOME	Meter Service Agreement for a CAISO Metered Entity
MSASC	Meter Service Agreement for Scheduling Coordinators
MSC	Market Surveillance Committee
MSG	Multi-Stage Generation
MSL	Market Scheduling Limits
MSS	Metered Subsystem
MSSC	Most Severe Single Contingency
MUT	Minimum Up Time
MVAR	Mega Volt Ampere Reactive
MW / MWh	Megawatt / Megawatt Hour
NA	Network Application
NAESB	North American Energy Standards Board
NAI	Net Actual Interchange
NCOP	Non-Coincident Off-Peak
NCP	Non-Coincident Peak
NDA	Non-Disclosure Agreement
NEM	Net-Metered Energy
NERC	North American Electric Reliability Corporation
NERC GADS	NERC Generating Availability Data System
NEZ	Net Energy Zone
NGR	Non-Generator Resources
NOROCAF	Negative Operating Reserve Obligation Credit Adjustment Factor
NOW OPOO	Nature of Work Off-Peak Opportunity Outage
NPR	Non-participating Resource
NQC	Net Qualifying Capacity

NRI	New Resource Interconnection
NSI	Net Scheduled Interchange
NSPGA	Net Scheduled Participating Generator Agreement
NSPN	Non-spin (Operating Reserves)
NU	Network Upgrade
OA	Operational Adjustment
OASIS	Open Access Same Time Information System
OATT	Open Access Transmission Tariff
OBAALSE	Out-of-Balancing Authority Load Serving Entity
OE	Optimal Energy or Operations Engineer
OE	Operations Engineer
OIA	Outage Impact Analysis
OMAR	Operational Meter Analysis & Reporting (replaced by MRI-S)
OMS	Outage Management System
OOM	Out-of-Market
OPA	Operations Planning Analysis
OPOO	Off-Peak Opportunity Outage
OPWG	Operations Planning Working Group
OTC	Operating Transfer Capability
OTC	Operating Transfer Capability
PBC	Power Balance Constraint
PBR	Performance-Based Ratemaking
PC	Pre-calculation or Partial Capacity
PDM	Persistent Deviation Metric
PDR	Proxy Demand Resource
PF	Power Flow
PGA	Participating Generator Agreement
PHY	Physical Trade
PIO	Public Interest Organization
PIR	Participating Intermittent Resource
PIRP	Participating Intermittent Resource Program
PLA	Participating Load Agreement
PLC	Path Limit Calculator
PLOAD	Pump Load
PM	Performance Metric
PMAX	Physical Maximum
PMIN	Physical Minimum
PMO	Project Management Office
PMS	Power Management System
PNODE	Price Node
PNP	Priority Nomination Process
PNT	Priority Nomination Tier
POC	Point of Contact (replaced by UAA)

POD	Point of Delivery
POI	Point of Interconnection
POR	Point of Receipt
POSO	Planned Outage Substitution Obligation
PPA	Power Purchase Agreement
PPT	Pacific Prevailing Time
PPTA	Purchase Power & Tolling Agreement
PRR	Proposed Revision Request
PRRIA	Proposed Revision Request Impact Analysis
PRSC	Participating Resource Scheduling Coordinator
PSE	Purchase-Selling Entity
PSLF	Power System Load Flow
PSP	Physical Scheduling Plant
PSPS	Public Safety Power Shutoff
PSS	Power System Stabilizer
PT	Price Taker
PTB	Pass Through Billing
PTDF	Power Transfer Distribution Factor
PTO	Participating Transmission Owner
PTP CRR	Point-to-Point Congestion Revenue Right
PURPA	Public Utility Regulatory Policies Act
QF	Qualifying Facility
QF PGA	Qualifying Factor Participating Generator Agreement
RA	Resource Adequacy
RAAIM	Resource Adequacy Availability Incentive Mechanism
RAAM	Resources Adequacy Availability Management
RAS	Remedial Action Scheme
RASMP	Regional Ancillary Service Marginal Price
RASSP	Regional Ancillary Service Shadow Price
RC	Reliability Coordinator
RC BSAP	RC Base Schedule Aggregation Portal
RCWOC	RC West Oversight Committee
RDA	Reliability and Deliverability Assessment
RDRR	Reliability Demand Response Resource
RDT	Resource Data Template
REC	Renewable Energy Credit
RED	Ramping Energy Deviation
REM	Regulation Energy Management
RIC	Remaining Import Capability
RIE	Residual Imbalance Energy
RIF	Regional Issues Forum (EIM)
RIG	Remote Intelligent Gateway
RI-MPR	Renewable Integration – Market & Product Review

RIMS	Resource Interconnection Management System
RIMSG	Resource Interconnection Management System - Generation
RISO	Regional Independent System Operator
RMDAPS	Revenue Meter Data Acquisition & Processing System
RMOE	Reality and Market Operations Engineer
RMR	Reliability Must Run
RMT	Regulatory Must Take
RNU	Reliability Network Upgrades
ROR	Risk of Retirement
RPS	Renewable Portfolio Standard
RPTOA	Responsible Participating Transmission Owner Agreement
RQMD	Revenue Quality Meter Data
RRD	Reliability Requirement Determination
RSI	Residual Supply Index
RSS	Resource Specific System
RT	Real Time
RTA	Real Time Assessment
RTBS	Real Time Base Schedule
RTCA	Real-Time Contingency Analysis
RTCD	Real-Time Contingency Dispatch
RTD	Real-Time Dispatch
RTED	Real-Time Economic Dispatch
RTID	Real-Time Interval Dispatch (synonymous with RTD)
RTIEO	Real-Time Imbalance Energy Offset
RTLPT	Real-Time Lower Price Taker
RTM	Real-Time Market
RTMD	Real-Time Manual Dispatch
RTMLE	Real-time Minimum Load Energy
RTMO	Real-Time Market Operator
RTO	Regional Transmission Operator
RTPD	Real-time Pre-Dispatch
RTPM	Real-time Performance Metric
RTPT	Real-Time Price Taker
RTRR	Regional Transmission Revenue Requirement
RTSA	Real Time Security Analysis
RTSE	Real Time State Estimator
RTSS	Real-time Self Schedule
RTUC	Real-time Unit Commitment
RTWG	Real Time Working Group
RUC	Residual Unit Commitment
RUG	Release Users Group
RUG	Release User Group
SA	Situational Awareness

SA	Security Analysis
SaMC	Settlements and Market Clearing
SB	Senate Bill
SC	Single Contingency
SC	Scheduling Coordinator
SCA	Scheduling Coordinator Agreement
SCADA	Supervisory Control & Data Acquisition
SCED	Security Constrained Economic Dispatch
SCID	Scheduling Coordinator ID
SCP	Standard Capacity Product
SCUC	Security Constrained Unit Commitment
SE	State Estimator
SEQ	Seasonal Eligible Quantities
SFT	Simultaneous Feasibility Test
SFTP	Secure File Transfer Protocol
SGIA	Small Generator Interconnection Agreement
SGIP	Small Generator Interconnection Procedure
SGIT	Supplement Generator Information Template
SIBR	Scheduling Infrastructure and Business Rules
SIS	System Impact Study
SMC	Settlements Market Clearing
SMDM	Supplemental Market Data Management
SME	Subject Matter Expert
SMEC	System Marginal Cost of Energy
SMPM	System Market Power Mitigation
SNOO	Short-Notice Opportunity (RA Maintenance) Outage
SOA	Service Oriented Architecture
SOC	State of Charge
SOL	System Operating Limit
SP	Self Provision (AS only)
SPIN	Spin (Operating Reserve)
SPS	Special Protection Scheme
SQMD	Settlement Quality Meter Data
SQMDS	Settlement Quality Meter Data System
SRE	Standard Ramping Energy
SRS	Secondary Registration System
SS-LPT	Self-Schedule Lower Price Taker
SS-STD	Self-Schedule Standard
ST_PF	Study Power Flow
STF	Simultaneous Feasibility Test
STS	Southern Transmission System
STUC	Short-Term Unit Commitment
Sub-LAP	Sub-Load Aggregation Point

SUC	Start-Up Cost
SVG	Scalable Vector Graphic
SWRCB	State Water Resources Control Board
T-	Start of the Trade Hour
T or TD	Trade Day/Date
TAC	Transmission Access Charge
TCA	Transmission Control Agreement
TCOR	Transmission Corridor
TCP/IP	Transmission Control Protocol/Internet Protocol
TCR	
TEA	Transmission Exchange Agreement
TEAM	Transmission Economic Analysis Methodology
TEE	Total Expected Energy
TG	Tie Generator
T-ID	Transmission ID
TMM	Transmission Meter Multiplier
TNA	Transmission Network Analysis
TO	Transmission Owner
TOC	Transmission Operation Center
TOP	Transmission Operator
TOR	Transmission Ownership Right
TOU	Time of Use
TP	Transmission Plan
TPD	Transmission Plan Deliverability
TPP	Transmission Planning Process
TR	Transmission Rights
TRBA	Transmission Revenue Balancing Account
TRM	Transmission Reliability Margin
TRR	Transmission Revenue Rights
TRTC	Transmission Rights and Transmission Curtailment Instructions
TSP	Transmission Service Provider
TTC	Total Transfer Capability
TTEE	Total Target Expected Energy
TUG	Technical Users Group
UAA	User Access Administrator
UB	Upper Bound
UCL	Upper Charge Limit
UDC	Utility Distribution Company
UDCOA	Utility Distribution Company Operating Agreement
UDP	Uninstructed Deviation Penalty
UEL	Upper Economic Limit
UFE	Unaccounted for Energy
UFLS	Underfrequency Load Shedding

UFMP	Unscheduled Flow Mitigation Plan
UI	User Interface
UIE	Uninstructed Imbalance Energy
ULPDT	Use-Limit Plan Data Template
UOL	Upper Operating Limit
USF	Unscheduled Flow
VAN	Value Added Network
VAR	Voltage Ampere Reactive
VCC	Voltage Controlled Capacitors
VEE	Validation Estimation & Editing
VER	Variable Energy Resource
VER DOT	Variable Energy Resource Dispatch Operating Point
VOM	Variable Operations and Maintenance
VSTLP	Very Short-Term Load Predictor
VT	Voltage Transformer
WAC	Wheeling Access Charge
WAVSA	Wide Area View Situational Awareness
WDAT	Wholesale Distribution Access Tariff
WDSP	Western Data Sharing Pool
WECC	Western Electricity Coordinating Council
WHL	Wheeling Transaction
WIDSA	Western Interconnection Data Sharing Agreement
WIM	Western Interconnection Model
WIT	Western Interchange Tool