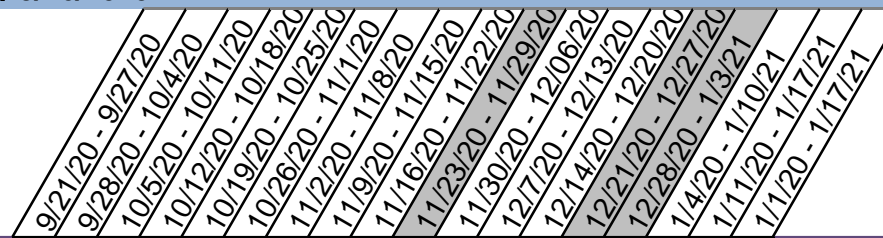




Legend	
Market Simulation	CA ISO Holiday
External Testing	Deployment Week



MAP Stage Environment Window

EIM Enhancements 2020 - Market Sim	EIM Enhancements 2020 - Market Sim (09/21-10/14)
Aliso Canyon 5 - Market Sim	Aliso Canyon 5 - Market Sim (09/29-10/14)
FRP Improvements - Buffer and Min - Market Sim	FRP Improvements - Buffer and Min - Market Sim (09/29-10/14)
CCDEBE Phase 1 - Market Sim	CCDEBE Phase 1 - Market Sim (07/27-11/13)
Nodal Pricing Model - Market Sim	Nodal Pricing Model - Market Sim (10/06-11/13)
Intertie Deviation Settlement - Market Sim	Intertie Deviation Settlement - Market Sim (10/06-11/13)
Hybrid Resources Phase 1 - Market Sim	Hybrid Resources Phase 1 - Market Sim (10/26-11/13)
EIM - BANC Phase 2 / WAPA - Market Sim	EIM - BANC Phase 2 / WAPA - Market Sim (11/03-01/31)
EIM - Public Service Company of New Mexico - Market Sim	EIM - Public Service Company of New Mexico - Market Sim (11/03-01/31)
EIM - Los Angeles Dept. of Water & Power - Market Sim	EIM - Los Angeles Dept. of Water & Power - Market Sim (11/03-01/31)
EIM - North-Western Energy - Market Sim	EIM - North-Western Energy - Market Sim (12/01-01/31)
EIM - Turlock Irrigation District - Market Sim	EIM - Turlock Irrigation District - Market Sim (12/01-01/31)

Production Environment Window

ESDER Phase 3b - Load Shift Product	ESDER Phase 3b - Load Shift Product (10/01)
FERC841 Requested Adjustments	FERC841 Adjustments (10/01)
ADS UI Replacement	ADS UI Replacement (10/01)
Dispatch Operating Target Tariff Clarification	Dispatch Operating Target Tariff Clarification (10/01)
Excess Behind the Meter Production Deployment	Excess Behind the Meter Production Deployment (10/01)
Market Settlement Timeline Transformation Deployment	Market Settlement Timeline Transformation Deployment (10/01)
Aliso Canyon 5	Aliso Canyon 5 (11/04)
FRP Improvements - Buffer and Min	FRP Improvements - Buffer and Min (11/04)
EIM Enhancements 2020	EIM Enhancements 2020 (11/04)
Slow Demand Response	Slow Demand Response (11/04)
CCDEBE Phase 1 Activation	CCDEBE Phase 1 Activation (12/01)
Hybrid Resources Phase 1	Hybrid Resources Phase 1 (12/01)
Excess Behind the Meter Production Activation Effective Trade Date	Excess Behind the Meter Production Activation Effective Trade Date
Market Settlement Timeline Transformation Activation Effective Trade Date	Market Settlement Timeline Transformation Activation Effective Trade Date (01/01)
Intertie Deviation Settlement	Intertie Deviation Settlement (01/01)
Nodal Pricing Model Settlements Effective Date	Nodal Pricing Model Settlements Effective Date (01/01)
Nodal Pricing Model Activation	Nodal Pricing Model Activation (01/15)



Calendar	Release / Implementation <i>(Updated Monthly)</i>	Deployment	Market Simulation Start - End		Activation	Project Manager
Independent 2020	EIM Enhancements 2020	Nov 2020	9/21/20	10/14/20	Nov 2020	David Luk
	Aliso Canyon Phase 5	Nov 2020	9/29/20	10/14/20	Nov 2020	John Williams
	FRP Improvements - Buffer and Min	Nov 2020	9/29/20	10/14/20	Nov 2020	Brenda Smith
	Slow Demand Response	Nov 2020	N/A	N/A	Nov 2020	Raymond Riley
	Commitment Costs and Default Energy Bid Enhancements Phase 1	Dec 2020	7/27/20	11/13/20	Dec 2020	Raymond Riley
	Hybrid Resources Phase 1	Dec 2020	10/26/20	11/13/20	Dec 2020	Wayne Magon
	Nodal Pricing Model – Advisory Service for PacifiCorp	Dec 2020	10/6/20	11/13/20	Jan 2021	Mohan Koya
	Intertie Deviation Settlement	Dec 2020	10/6/20	11/13/20	Jan 2021	David Luk
Fall 2020	Commitment Cost Enhancement Tariff Clarifications	10/1/20	7/27/20	9/4/20	Jul 2020	Brenda Smith
	Energy Storage and Aggregated Distributed Energy Resource, Phase 3B	10/1/20	7/27/20	9/4/20	Oct 2020	Mohan Koya
	FERC Order 841 - FERC Requested Adjustments	10/1/20	7/27/20	9/4/20	Oct 2020	Brenda Smith
	ADS User Interface Replacement	10/1/20	7/27/20	9/4/20	Oct 2020	John Williams
	Dispatch Operating Target Tariff Clarifications	10/1/20	7/27/20	9/4/20	Oct 2020	John Williams
	Excess Behind the Meter Production	10/1/20	7/27/20	9/18/20	Jan 2021	Ray Riley
	Market Settlement Timeline Transformation	10/1/20	7/27/20	9/18/20	Jan 2021	David Luk
Spring 2021	EIM - BANC Ph2/WAPA	3/25/21	11/3/20	1/31/21	Mar 2021	Ayman Fattah
	EIM - Public Service Company of New Mexico	4/1/21	11/3/20	1/31/21	Apr 2021	Ayman Fattah
	EIM - Northwestern Energy	4/1/21	12/1/20	1/31/21	Apr 2021	Kenneth Swain
	EIM - LADWP	4/1/21	11/3/20	1/31/21	Apr 2021	Joanne Alai
	EIM - Turlock Irrigation District	3/25/21	12/1/20	1/31/21	Mar 2021	David Luk
2021	System Market Power Mitigation	TBD	TBD	TBD	TBD	Adrian Chiosea
	Real Time Settlements Review	TBD	TBD	TBD	TBD	Adrian Chiosea
	Variable Operations and Maintenance Cost Review	TBD	TBD	TBD	TBD	Wayne Magon
Fall 2021	Resource Adequacy Enhancements	10/1/21	7/26/21	9/3/21	Oct 2021	Adrian Chiosea
	Energy Storage and Aggregated Distributed Energy Resource Phase 4	10/1/21	7/26/21	9/3/21	Oct 2021	Amy Nunn
	Hybrid Resources Ph2	10/1/21	7/26/21	9/3/21	Oct 2021	Adrian Chiosea
	Import Bidding and Market Parameters	10/1/21	7/26/21	9/3/21	Oct 2021	Raymond Riley
	FRP Improvements - Deliverability	10/1/21	7/26/21	9/3/21	Oct 2021	Brenda Smith
Spring 2022	EIM - Avista	4/1/22	12/1/21	1/31/22	Apr 2022	Kenneth Swain
	EIM - Tucson Electric Power	4/1/22	12/1/21	1/31/22	Apr 2022	David Luk
	EIM - Tacoma Power	4/1/22	12/1/21	1/31/22	Apr 2022	Kenneth Swain
	EIM - Bonneville Power Administration	4/1/22	12/1/21	1/31/22	Apr 2022	Joanne Alai
	EIM - Xcel Energy - Colorado	4/1/22	12/1/21	1/31/22	Apr 2022	Ayman Fattah
TBD	Day Ahead Market Enhancements	TBD	TBD	TBD	TBD	Adrian Chiosea
	Extend Day-Ahead Market Enhancements to EIM Entities	10/1/22	7/25/22	9/2/22	Oct 2022	Adrian Chiosea