### MAP Stage Environment Window

**Summer 2021 Readiness** - Market Sim  (05/20-06/18)  
Energy Storage and Distributed Energy Resources Phase 4 - Market Sim  (07/26-09/03)  
Hybrid Resources Phase 2 - Market Sim  (07/26-09/03)  
Real-Time Settlement Review Phase 2 - Market Sim  (07/26-09/03)  
Intertie Shadow Pricing Resolution - Market Sim  (07/26-09/03)

**Resource Adequacy (RA) Enhancements**  
- EIM - Avista - Market Sim  (04/26-06/18)  
- Energy Storage and Distributed Energy Resources Phase 4 - Market Sim  (07/26-09/03)  
- Hybrid Resources Phase 2 - Market Sim  (07/26-09/03)  
- Real-Time Settlement Review Phase 2 - Market Sim  (07/26-09/03)  
- Intertie Shadow Pricing Resolution - Market Sim  (07/26-09/03)

**Variable Operations and Maintenance Cost Review Effective Date**  
- Market Sim  (01/01)

**Hybrid Resources**  
- EIM - North-Western Energy  (06/16)

**Intertie Shadow Pricing Resolution**  
- Market Sim  (07/26-09/03)

**Short-Long Start Definitions**  
- Market Sim  (07/26-09/03)

### Production Environment Window

**Aliso Canyon Phase 5**  
- EIM Enhancements 2021 Phase 1  (06/16)

**FERC Order 831**  
- Pricing Parameters, Import Bid Screening, and Validation  (06/15, 06/30, 07/15)

**Short-Long Start Definitions**  
- Market Sim  (10/01-11/30)

**Aliso Canyon Phase 5**  
- EIM Enhancements 2021 Phase 1  (12/02-01/13)

**Variable Operations and Maintenance Cost Review Effective Date**  
- Market Sim  (01/01)