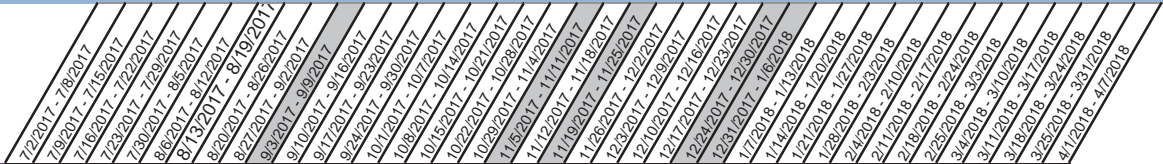




| Legend | |
|-------------------|--------|
| Market Simulation | Orange |
| CA ISO Holiday | Blue |
| Deployment Week | Grey |



MAP Stage Environment Window

| | |
|--|--|
| EIM - Portland General Electric - Market Sim | EIM - Portland General Electric - Market Sim (06/06-07/06) |
| FNM Promotion 2017Q3 (DB83) | FNM Promotion 2017Q3 (DB83) (08/22-08/22) |
| Bidding Rules Part B - Market Sim | Bidding Rules Part B - Market Sim (09/06-09/29) |
| Commitment Costs Phase 3 - Market Sim | Commitment Costs Phase 3 - Market Sim (09/06-09/29) |
| EIM Enhancements 2017 - Market Sim | EIM Enhancements 2017 - Market Sim (09/06-09/29) |
| FNM Promotion 2017Q4 (DB84) | FNM Promotion 2017Q4 (DB84) (11/21-11/21) |
| EIM - Idaho Power - Market Sim | EIM - Idaho Power - Market Sim (12/01-01/31) |
| EIM - Powerex - Market Sim | EIM - Powerex - Market Sim (12/01-01/31) |
| RSI 2017 | RSI 2017 (12/19-01/25) |
| FNM Promotion 2018Q1 (DB85) | FNM Promotion 2018Q1 (DB85) (02/27-02/27) |

Parallel Production Environment Window

| | |
|--|--|
| EIM - Portland General Electric - Para Ops | EIM - Portland General Electric - Para Ops (08/01-09/30) |
| EIM - Idaho Power - Para Ops | EIM - Idaho Power - Para Ops (02/01-03/30) |
| EIM - Powerex - Para Ops | EIM - Powerex - Para Ops (02/01-03/30) |

Production Environment Window

| | |
|--|--|
| MRI-S Metering Enhancements | MRI-S Metering Enhancements (07/11-07/11) |
| FNM Promotion 2017Q3 (DB83) | FNM Promotion 2017Q3 (DB83) (08/15-08/17) |
| MRI-S Metering Enhancements - OMAR Decommission | MRI-S Metering Enhancements - OMAR Decommission (09/01-09/01) |
| EIM - Portland General Electric | EIM - Portland General Electric (10/01-10/01) |
| Bidding Rules Part B | Bidding Rules Part B (11/01-11/01) |
| Commitment Costs Phase 3 | Commitment Costs Phase 3 (11/01-11/01) |
| EIM Enhancements 2017 | EIM Enhancements 2017 (11/01-11/01) |
| Gas Burn Reports | Gas Burn Reports (11/01-11/01) |
| SIBR UI Upgrade | SIBR UI Upgrade (11/01-11/01) |
| RAAIM Implementation Update - Deployment | RAAIM Implementation Update - Deployment (11/01-11/01) |
| FNM Promotion 2017Q4 (DB84) | FNM Promotion 2017Q4 (DB84) (11/14-11/16) |
| Black Start & System Restoration Phase 2 - Awards & Final Report | Black Start & System Restoration Phase 2 - Awards & Final Report (12/01-12/01) |
| RIMS 5 - Queue Management, Transmission & Generation | RIMS 5 - Queue Management, Transmission & Generation (12/14-12/14) |
| RAAIM Implementation Update - Activation | RAAIM Implementation Update - Activation (01/01-01/01) |
| RSI 2017 - Deployment | RSI 2017 - Deployment (02/13-02/13) |
| FNM Promotion 2018Q1 (DB85) | FNM Promotion 2018Q1 (DB85) (02/20-02/22) |
| RSI 2017 - Activation | RSI 2017 - Activation (04/01-04/01) |
| DRS Replacement | DRS Replacement (04/02-04/02) |
| EIM - Idaho Power | EIM - Idaho Power (04/04-04/04) |
| EIM - Powerex | EIM - Powerex (04/04-04/04) |