

# Reliability Coordinator Transition

## Program & Outage Coordination Updates

March 7, 2019

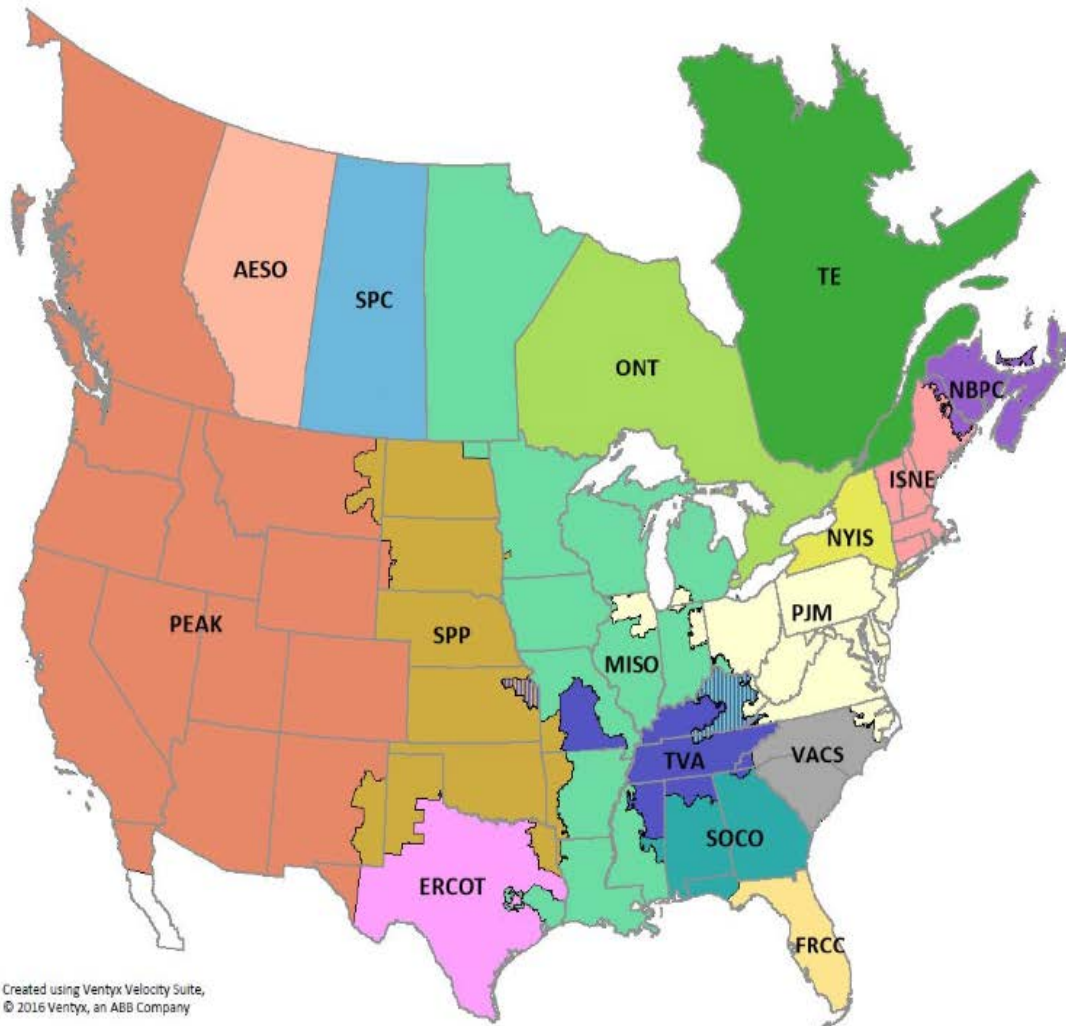


# Agenda

- **Transition to CAISO *RC West***
- CAISO *RC West* Outage Coordination Changes



# NERC Reliability Coordinator Map



## NERC Reliability Coordinators

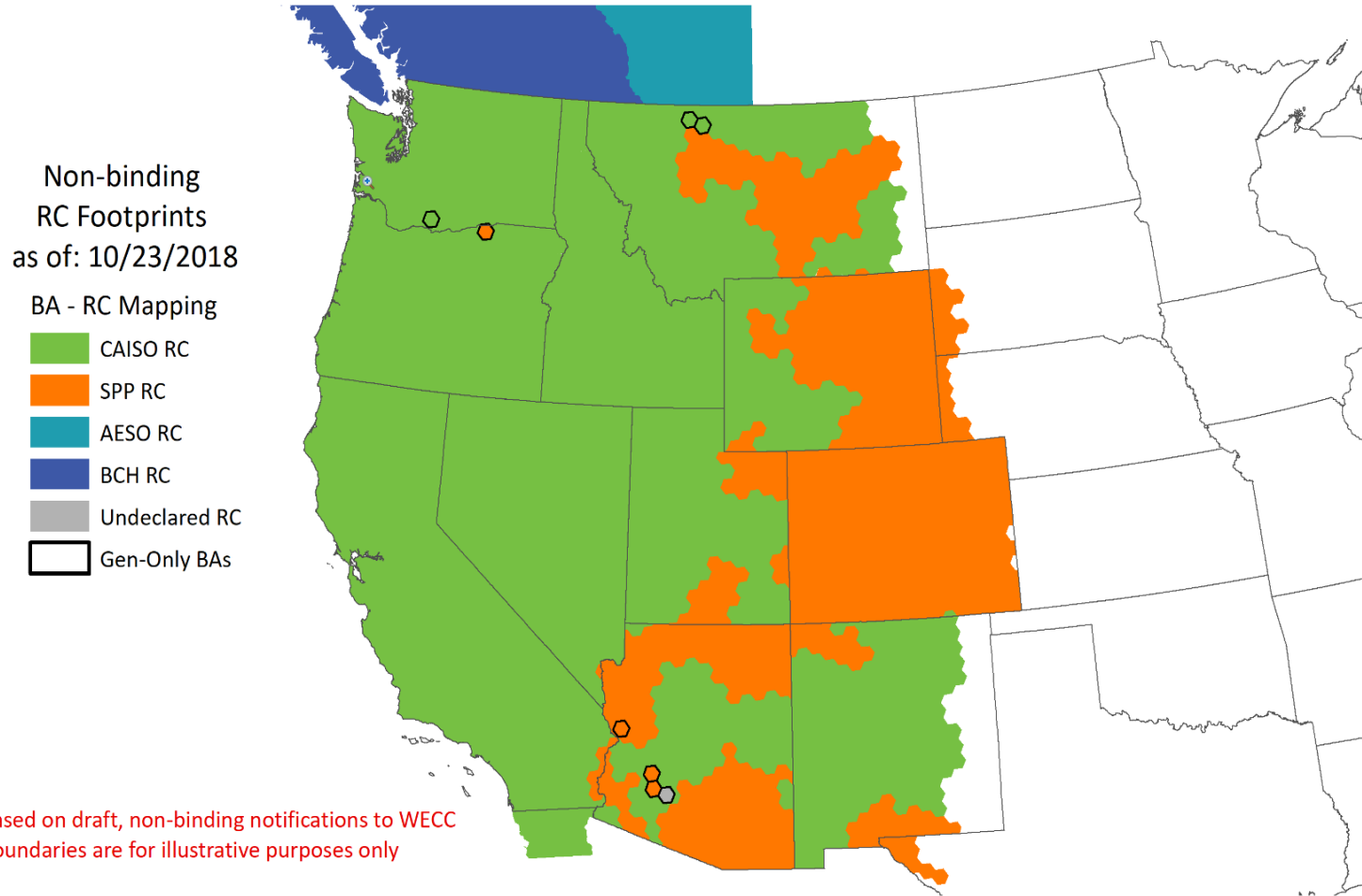
As of June 1, 2015



Created using Ventyx Velocity Suite,  
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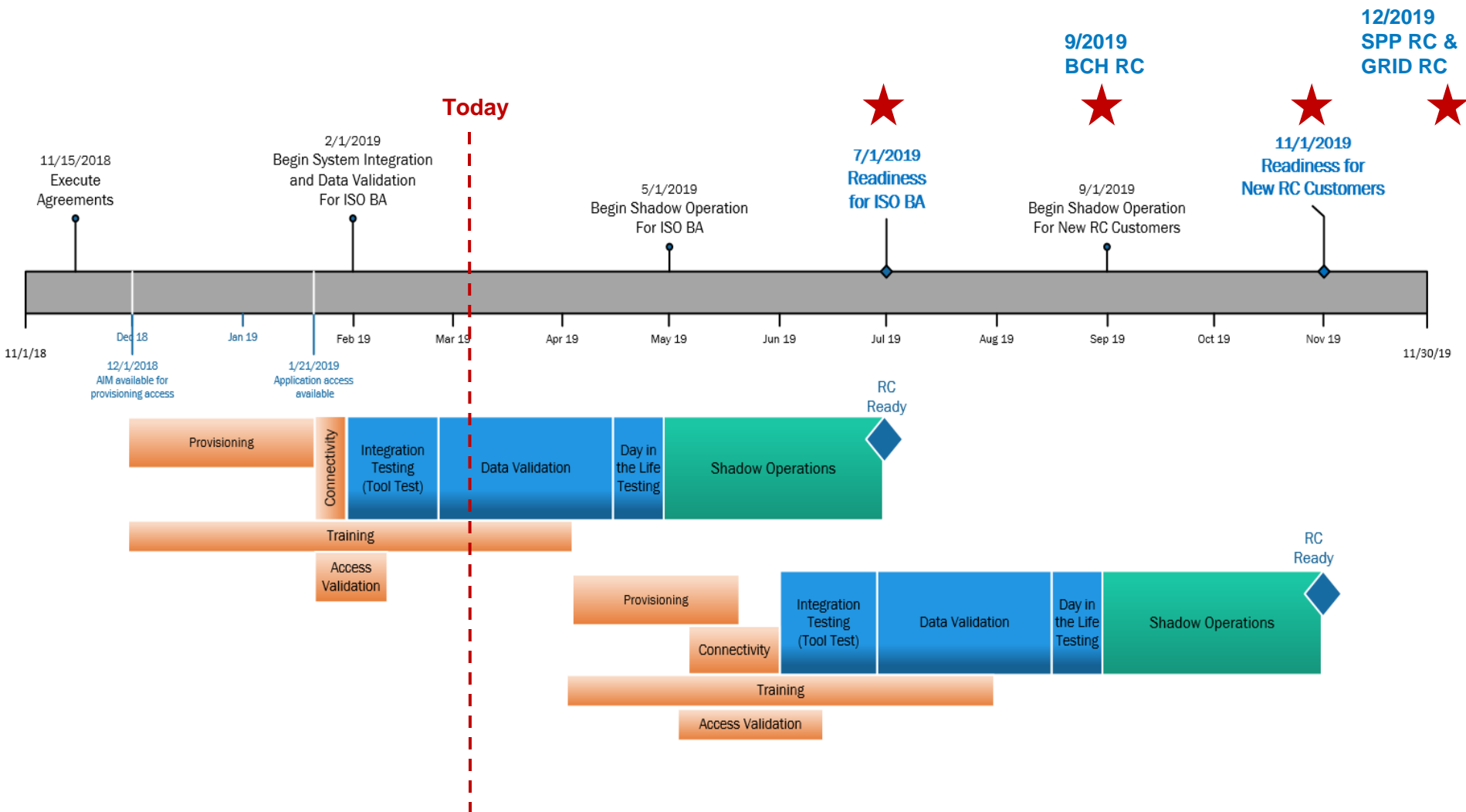
Credit: <https://www.nerc.com/pa/rrm/TLR/Pages/Reliability-Coordinators.aspx>

# Expected WECC RC Map - Dec 2019



Credit: [https://www.wecc.org/Reliability/RC\\_future\\_Oct23\\_PPT.png](https://www.wecc.org/Reliability/RC_future_Oct23_PPT.png)

# RC Implementation Timeline



# Agenda

- Transition to CAISO *RC West*
- **CAISO *RC West* Outage Coordination Changes**



# Outage Coordination Changes

Changes to Outage Coordination processes fall into two categories:



Timelines – Effective 5/31/19



Data submission requirements – Effective 9/1/19

# RC West Timelines

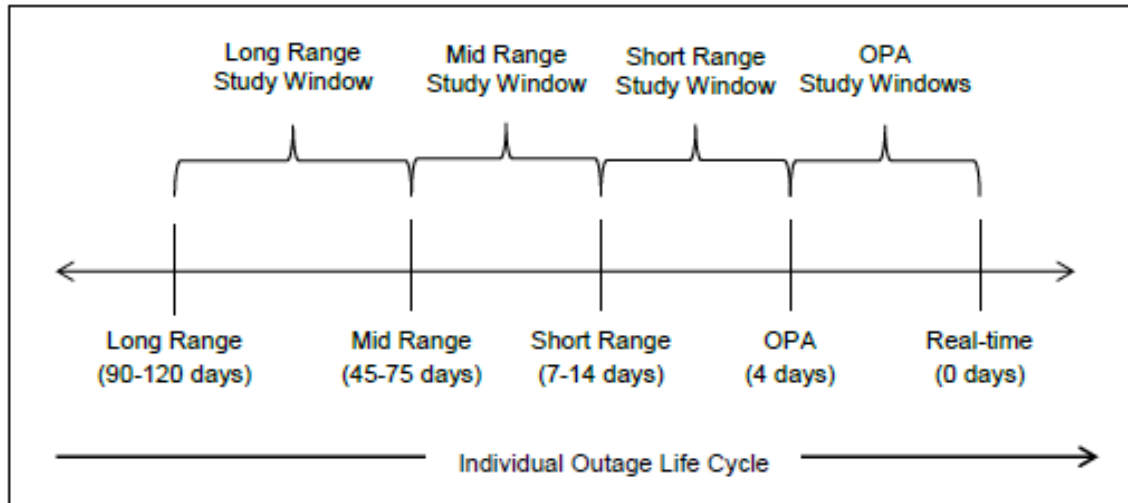


Figure 1: Outage Lifecycle

Aligning BPA and RC West timeline terminology:

- Long-range
- Mid-range
- Short-range

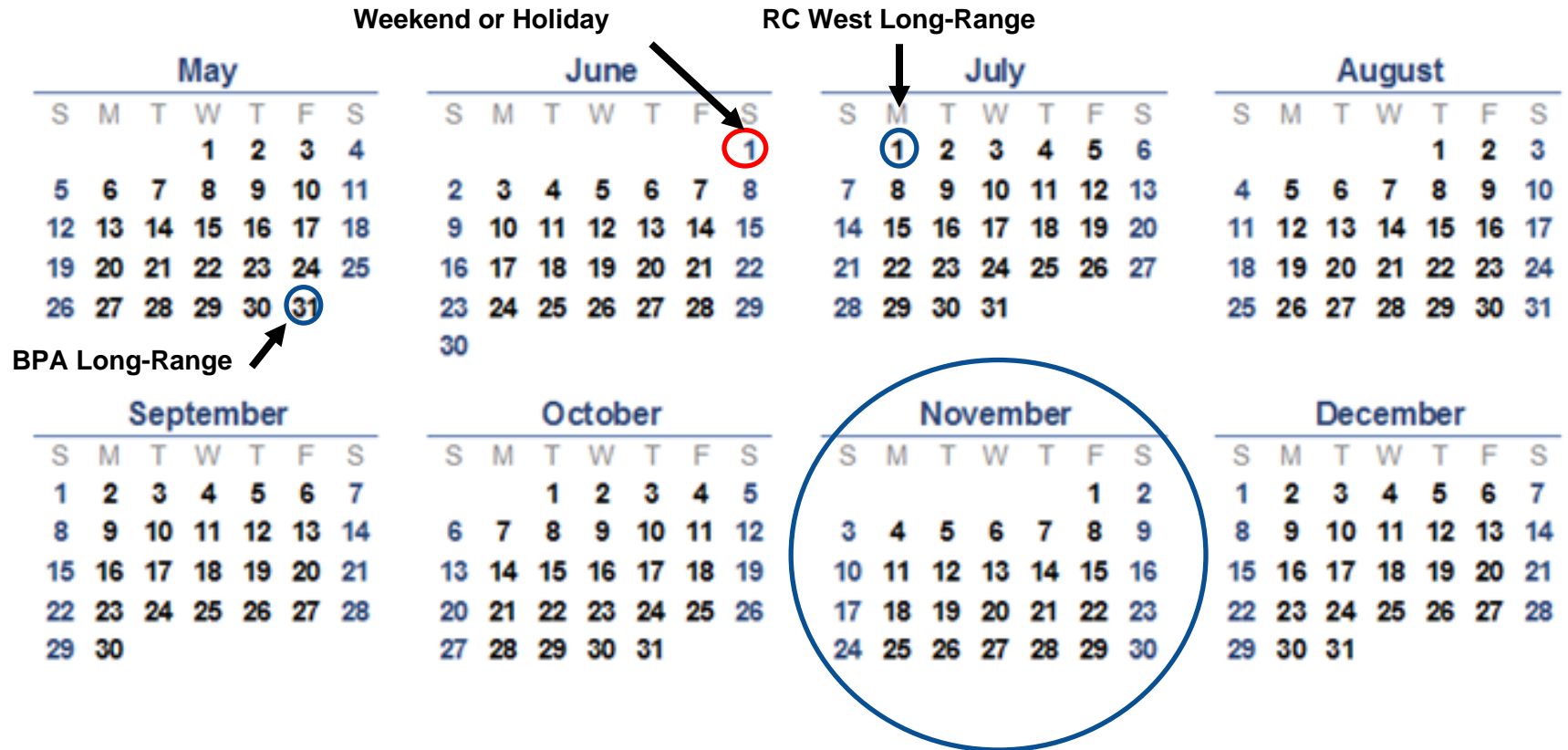


# Timelines – Long-Range (effective 5/31/19)

BPA Continuous Outage Analysis(COA) will align w/RC West Long-Range process

- This change affects
  - 500kV transmission equipment &
  - Hard to get outages
- Outage submission timeline
  - The first day of the month, five months in advance of outage month. **Please Note:** If the submission date falls on a weekend or Federal holiday, the outage must be submitted on the previous business day

# Timelines – Long-Range (effective 5/31/2019)

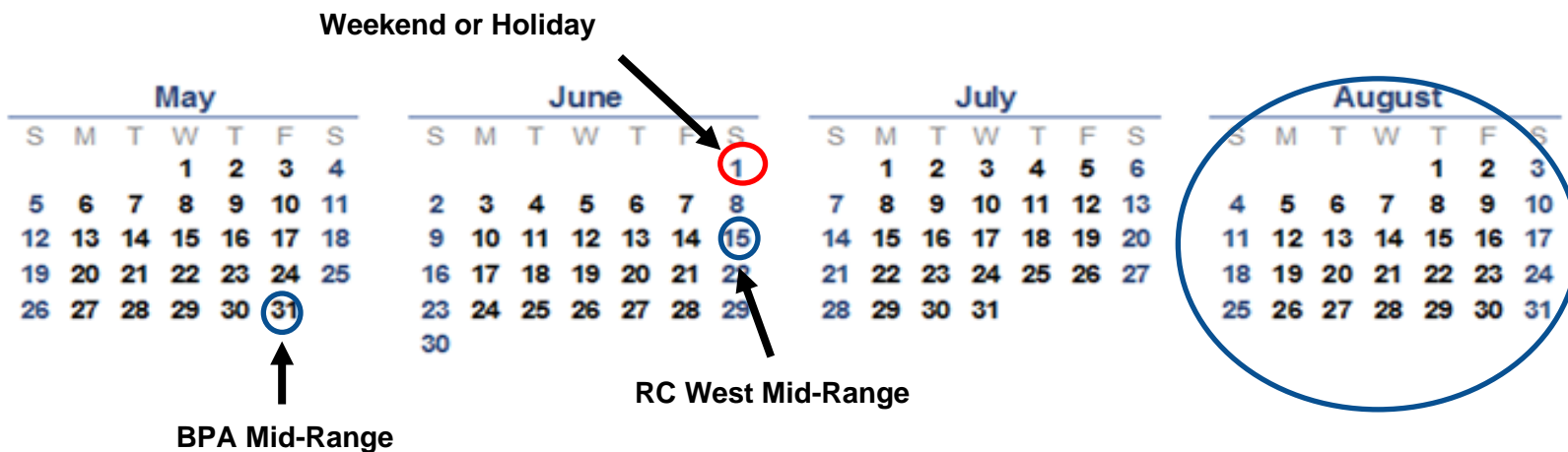


## Timelines – Mid-Range (effective 5/31/2019)

BPA will change 45 day process to align w/RC West Mid-Range process

- This change affects
  - Transmission equipment in BPA Outage Planning and Coordination Policy, Appendix 2
- Outage submission timeline
  - The first day of the month, two months in advance of the outage month. **Please Note:** If the submission date falls on a weekend or Federal holiday, the outage must be submitted on the previous business day

# Timelines – Mid-Range (effective 5/31/2019)

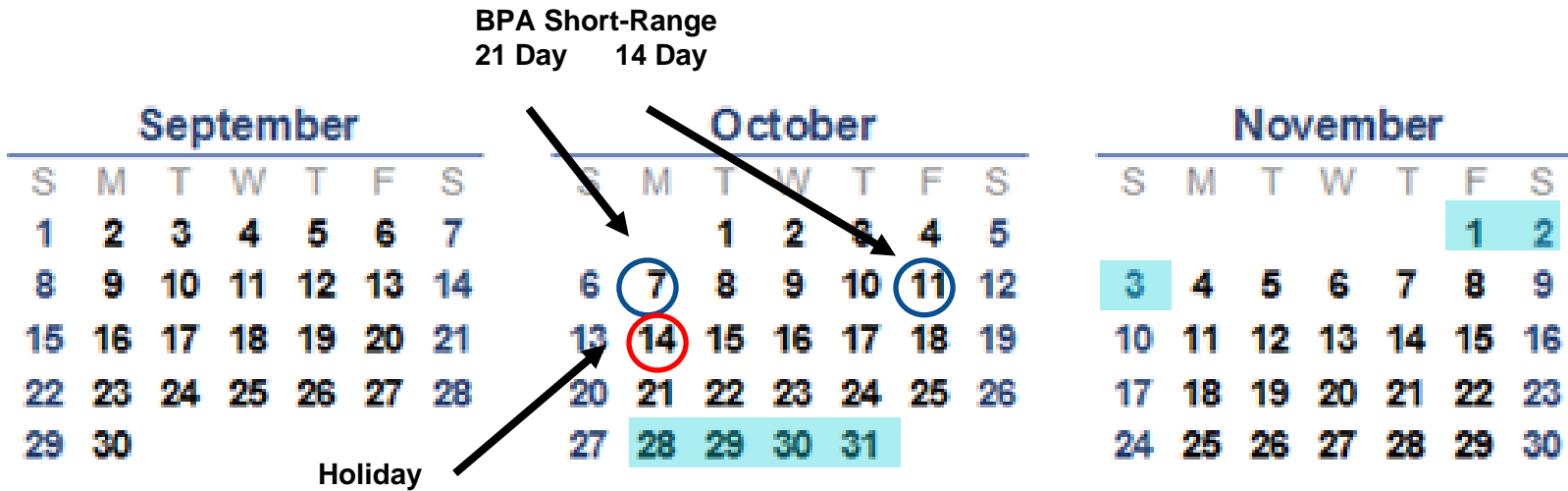


# Timelines – Short-Range (effective 5/31/2019)

BPA 14 & 21 day processes will align w/RC West Short-Range process

- This change affects
  - **21 Day equipment** – BES equipment outages marked in Appendix 2
  - **14 Day equipment** – All other BES Planned outages, unless noted in the exception list (See Appendix 1)
- Outage submission timeline
  - Monday, two or three weeks in advance of the outage week. **Please note:** If the Monday falls on a Federal holiday, the outage must be submitted on the previous business day

# Timelines – Short-Range (effective 5/31/2019)



# Data Submission Requirements

**(effective 9/1/2019)**

- Estimated time to restore: This is a required field for RC West.
- Unit outages must be submitted if the unit is unavailable.
  - *Exploring this requirement with RC West*
- Derates as separate requests: Currently some transmission outages are submitted with derates.

# Data Submission Requirements

(effective 9/1/2019)

## Outage Types

### Peak

Forced Automatic

Forced Emergency

Urgent

Operational Transmission

Planned

Opportunity

Informational

### RC West

*Forced*

Urgent

*Operational*

Planned

Opportunity

Informational



# Data Submission Requirements

(effective 9/1/2019)

## Outage States

Peak (BA/TOP controlled)	Peak (RC Controlled)
BA Preliminary	Total of 17 more States controlled by RC, but different states had the timeframe included
TOP Preliminary	
BA Proposed	
TOP Proposed	
BA Confirmed	
TOP Confirmed	
BA/TOP Confirmed	

RC West (BA/TOP controlled)	RC West (RC Controlled)
Submitted	RC Approved
Confirmed	Conflicts Identified
Cancelled	Denied
	Implemented
	Completed

# Questions?



# For More Information

- BPA
  - [Reliability Coordinator Services](#)
  - [BPA Outage Planning and Coordination Policy](#)
- RC West
  - [RC West Press Release](#)
  - [RC West Webpage](#)
  - [RC West Operating Procedures](#)
- WECC
  - [Draft, Non-Binding RC Footprints as of October 23, 2018](#)
  - [Reliability Coordinator Tentative Commitments from BAs in the Western Interconnection as of October 23, 2018](#)