

# Welcome

## SERTP 2013 – 2<sup>nd</sup> Quarter Meeting

“Preliminary Expansion Plan Meeting”

**The SERTP process is a transmission planning process.**

**Please contact the respective transmission provider for questions related to real-time operations or OATT transmission service.**

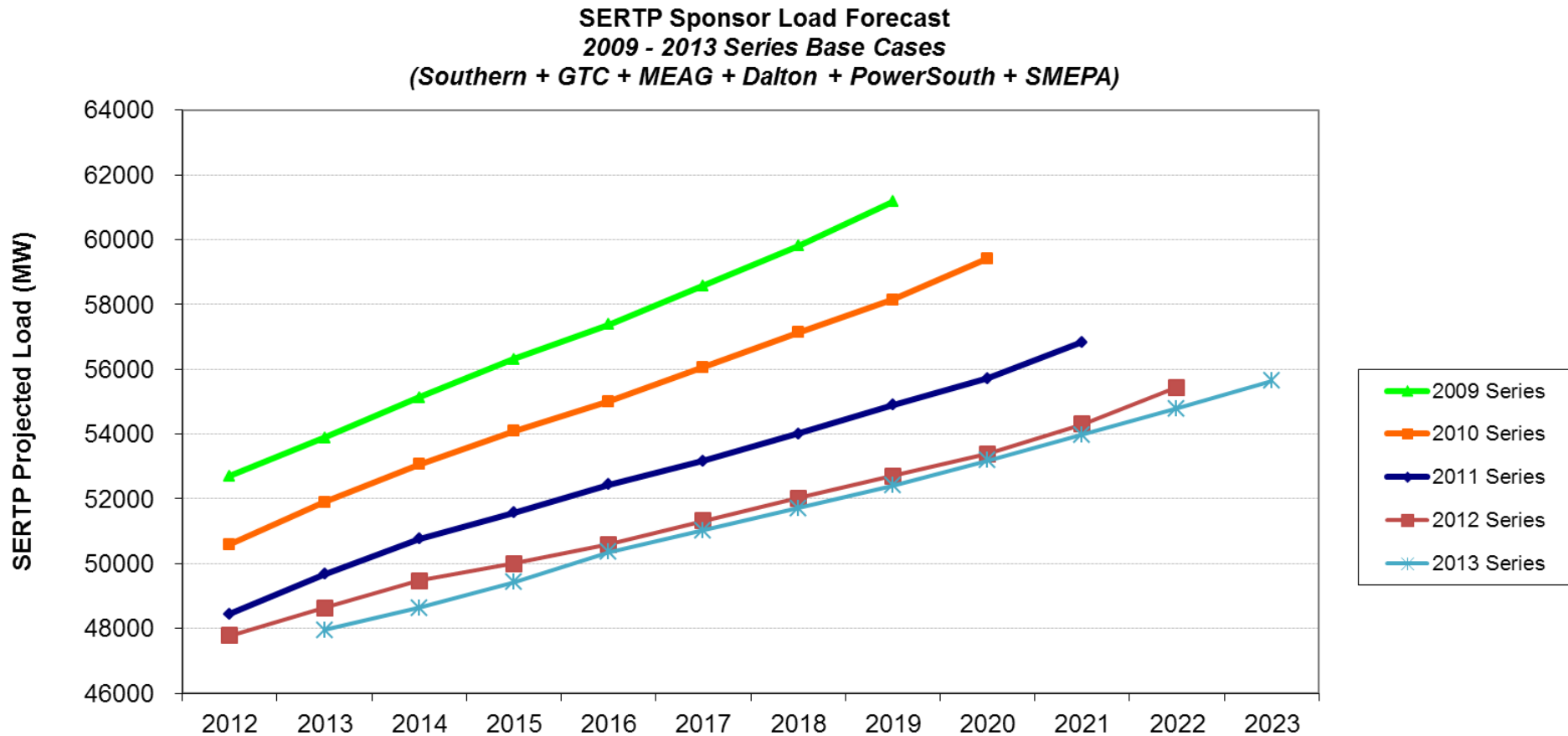
## Purposes & Goals of the Meeting

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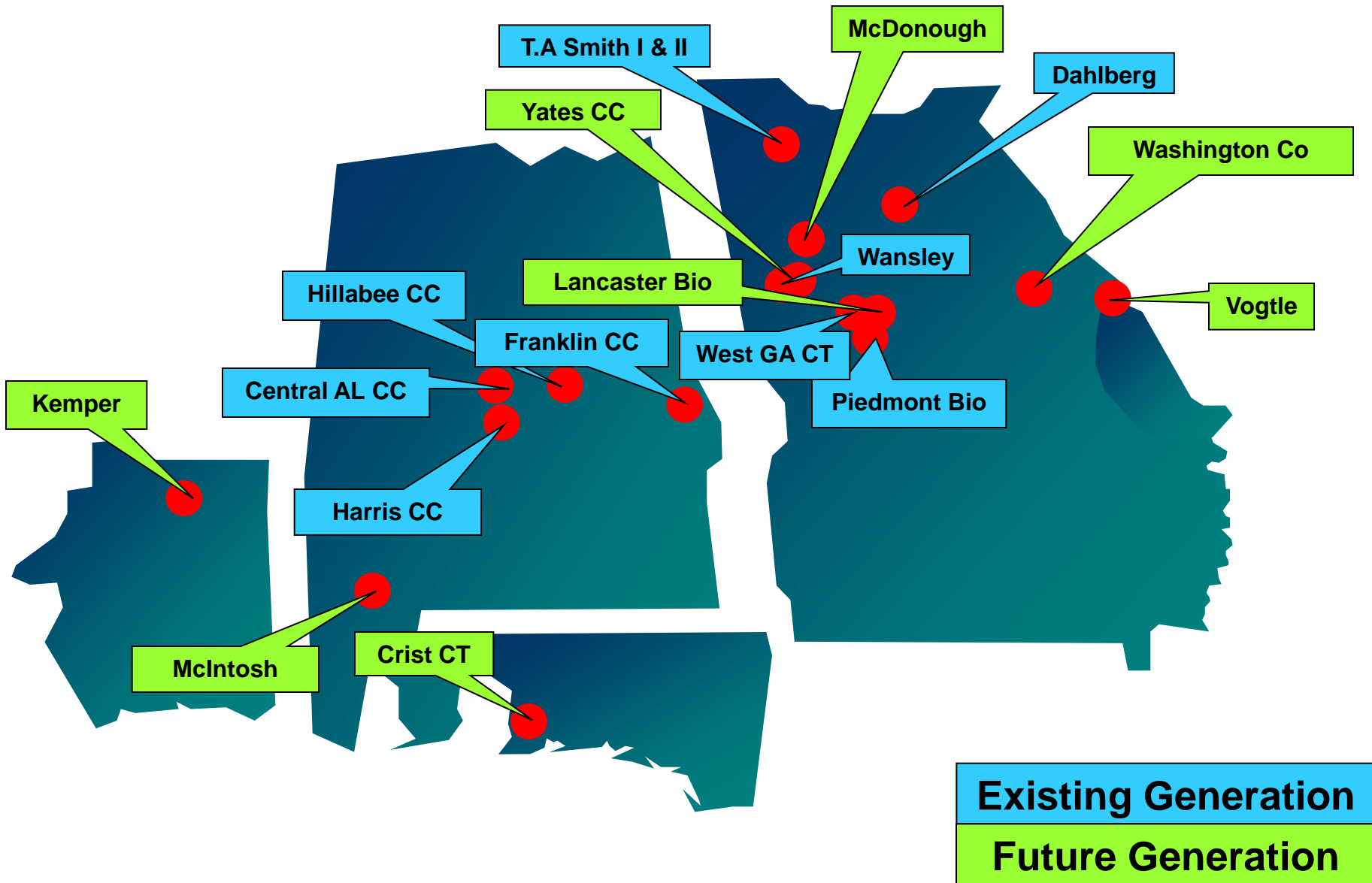
- ❖ **Modeling Assumptions**
  - Load Forecast
  - Generation Assumptions
  
- ❖ **Preliminary 10 Year Transmission Expansion Plan**
  - Process Overview
  - East
  - West
  
- ❖ **FRCC Coordination Update**
  
- ❖ **Next Meeting Activities**

# Modeling Assumptions Update

## Load Forecast



# 2013 Regional Generation Assumptions



# 2013 Regional Generation Assumptions

The following tables depict changes in the generation assumptions for the 2013 Transmission Expansion Planning Process<sup>1</sup>

## SOUTHERN

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
McDonough CC 6	841	841	841	841	841	841	841	841	841	841	841
Central Alabama CC	885	885	885	885	885	885	885	885	885	885	0
Piedmont Biomass	50	50	50	50	50	50	50	50	50	50	50
Vogle 1	538	538	538	538	538	538	538	538	538	538	538
Baconton CT	197	0	--	--	--	--	--	--	--	--	--
Dahlberg CT	584	292	367	367	367	367	367	367	367	367	367
Kemper IGCC	--	510	510	510	510	510	510	510	510	510	510
Branch 2	325	0	--	--	--	--	--	--	--	--	--

<sup>1</sup>The years shown in the following tables represent Summer Peak conditions

# 2013 Regional Generation Assumptions

## SOUTHERN (Cont.)

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Branch 1	266	266	0	--	--	--	--	--	--	--	--
Branch 3-4	1016	1016	0	--	--	--	--	--	--	--	--
McManus 1-2	122	122	0	--	--	--	--	--	--	--	--
Yates 1-5	470	470	0	--	--	--	--	--	--	--	--
Yates 6-7	572	572	642	642	642	642	642	642	642	642	642
Vogle 2	584	584	540	540	540	540	540	540	540	540	540
West Georgia CT	--	--	298	298	298	298	298	298	298	298	298
Kraft 1-4	333	333	333	0	--	--	--	--	--	--	--
Franklin 2 CC	--	--	625	0	--	--	--	--	--	--	--



# 2013 Regional Generation Assumptions

## SOUTHERN (Cont.)

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Gaston 1-4	411	411	465	465	465	465	465	465	465	465	465
Hammond 1	89	89	89	110	110	110	110	110	110	110	110
Hammond 3	89	89	89	110	110	110	110	110	110	110	110
Harris CC 1	--	--	--	625	625	625	625	625	625	625	625
Wansley CC 6	561	561	561	561	0	--	--	--	--	--	--
Vogle 3	--	--	--	--	--	504	504	504	504	504	504
Vogle 4	--	--	--	--	--	--	504	504	504	504	504
Harris CC 2	628	628	628	628	628	628	0	--	--	--	--
Calhoun CT 1-4	632	632	632	632	632	632	632	632	632	632	0
Crist CT	--	--	--	--	--	--	--	--	--	--	300
Yates CC	--	--	--	--	--	--	--	--	--	--	940

# 2013 Regional Generation Assumptions

## GTC

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Tiger Creek CT	300	300	300	300	300	300	300	300	300	300	300
Effingham CC	500	500	0	--	--	--	--	--	--	--	--
Lindsay Hill CC	265	65	273	273	300	300	300	300	300	0	--
Franklin CC 2	625	625	0	625	625	625	625	625	625	625	625
Dahlberg CT	--	75	262	375	375	375	375	375	375	375	375
Branch	90	0	--	--	--	--	--	--	--	--	--
Hammond 2	21	0	--	--	--	--	--	--	--	--	--
Gaston 1&2	104	104	0	--	--	--	--	--	--	--	--
Santa Rosa	225	225	0	--	--	--	--	--	--	--	--
McManus CT	30	30	0	--	--	--	--	--	--	--	--
Mitchell	38	38	0	--	--	--	--	--	--	--	--

# 2013 Regional Generation Assumptions

## GTC (Cont.)

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Scherer 3	280	280	132	132	132	132	132	56	56	56	56
Wilson 5 CT	21	21	0	--	--	--	--	--	--	--	--
Yates	244	244	0	--	--	--	--	--	--	--	--
Franklin CC 3	620	620	620	620	620	620	620	620	620	620	620
Warthen CT	552	552	552	552	552	552	552	552	552	552	552
Hillabee CC	--	--	--	300	300	300	300	300	300	300	300
T.A. Smith I CC	620	620	620	620	620	620	620	620	620	620	620
T.A. Smith II CC	620	620	620	620	620	620	620	620	620	620	620
Wansley CC 6	--	--	--	--	561	561	561	561	561	561	561
Vogle 3	--	--	--	--	--	330	330	330	330	330	330
Vogle 4	--	--	--	--	--	--	330	330	330	330	330
Washington County	--	--	--	--	--	--	850	850	850	850	850

# 2013 Regional Generation Assumptions

## MEAG

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Vogle 1	248	248	248	248	248	248	248	248	248	248	248
Vogle 2	204	204	248	248	248	248	248	248	248	248	248
Vogle 3	--	--	--	--	--	250	250	250	250	250	250
Vogle 4	--	--	--	--	--	--	250	250	250	250	250

## Dalton

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Vogle 3	--	--	--	--	--	16	16	16	16	16	16
Vogle 4	--	--	--	--	--	--	16	16	16	16	16

# 2013 Regional Generation Assumptions

## PowerSouth

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
McIntosh CC 6	--	--	--	--	--	--	--	--	328	328	328

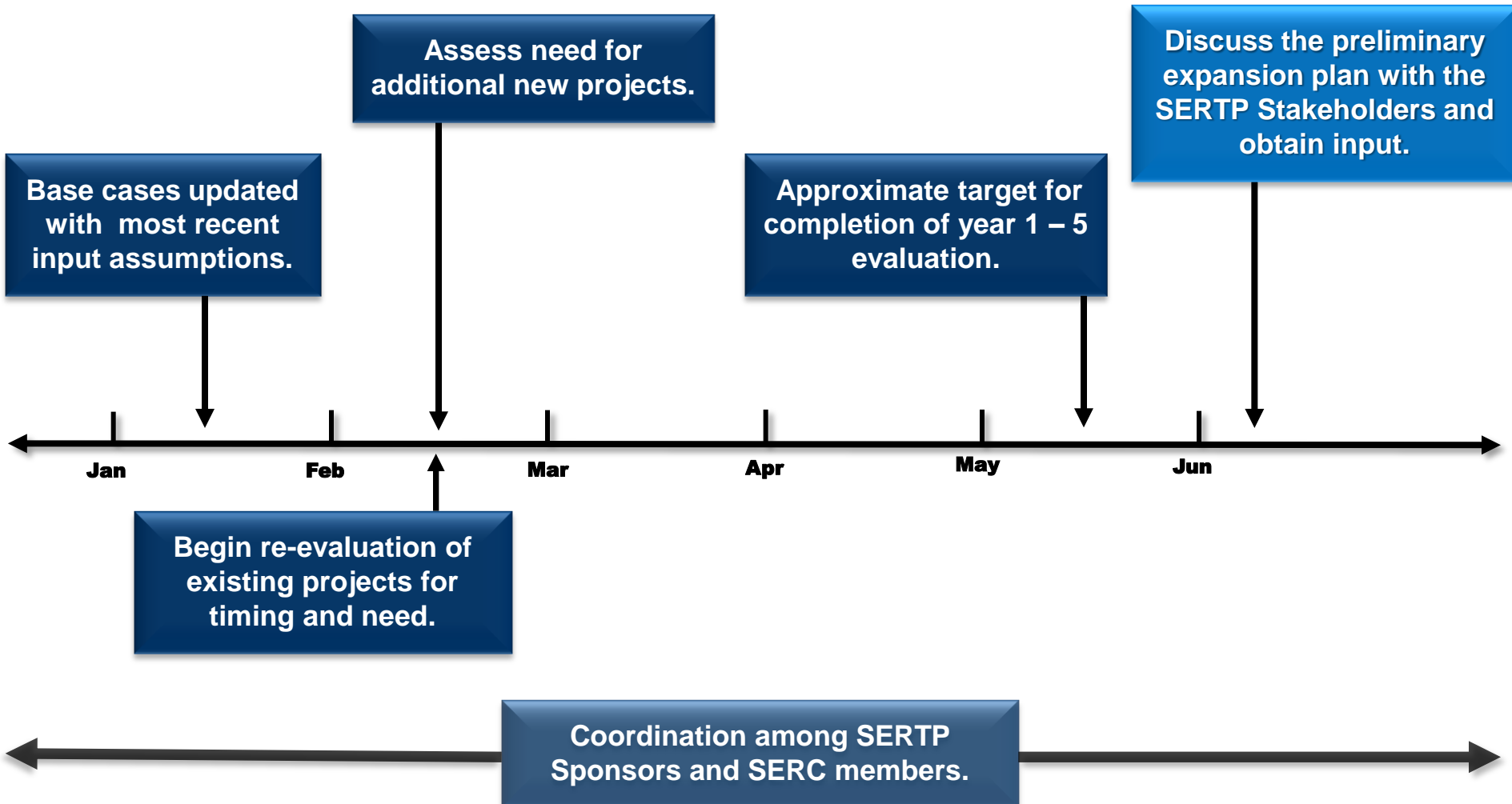
## SMEPA:

Site	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Kemper IGCC	--	90	90	90	90	90	90	90	90	90	90

# Preliminary 10 Year Expansion Plan

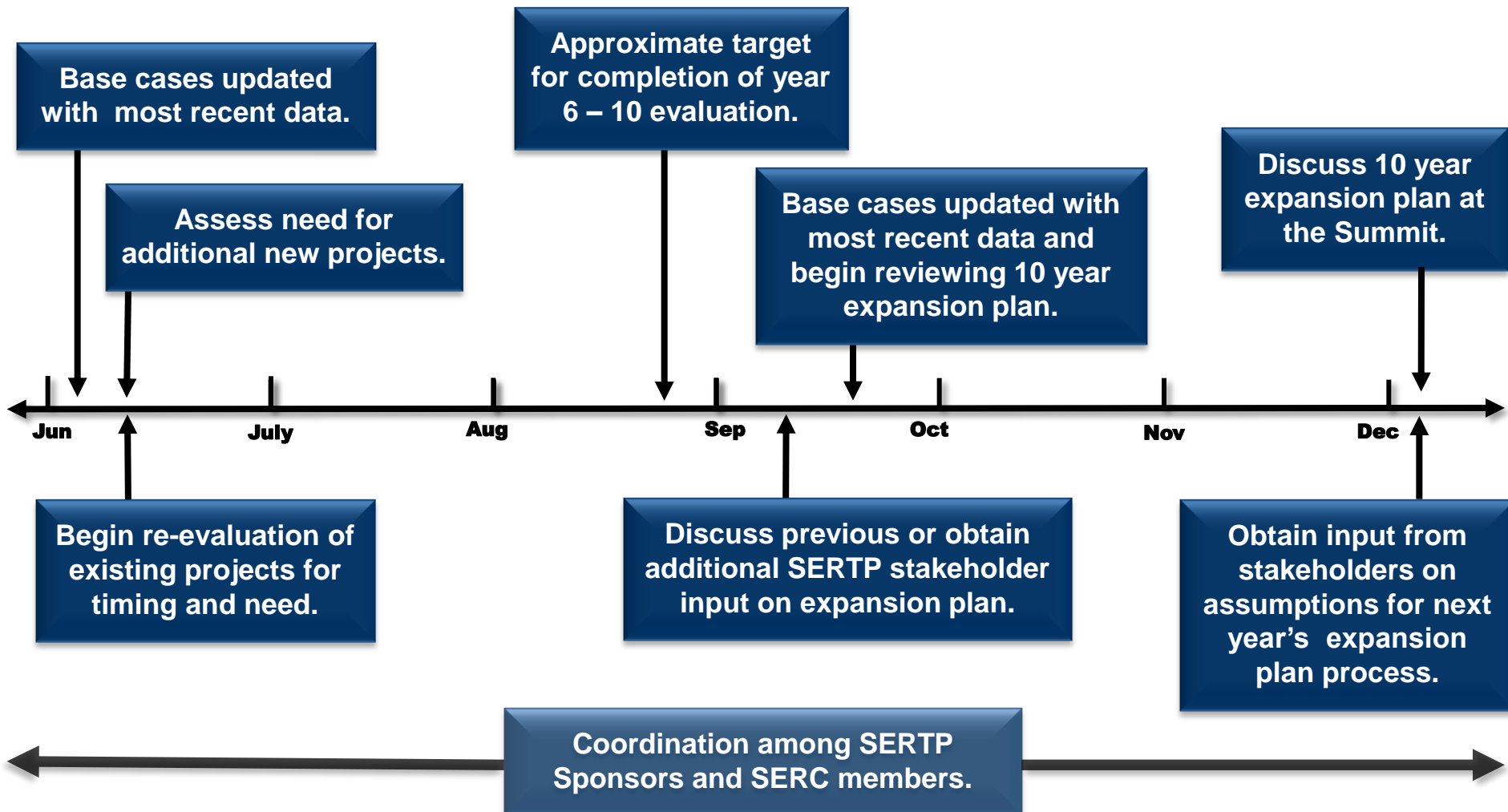
# 10 Year Expansion Plan Timeline

## Approximate Planning Time Line (Years 1 – 5)



# 10 Year Expansion Plan Timeline

## Approximate Planning Time Line (Years 6 – 10)





**The projects described in this presentation represent the preliminary ten (10) year expansion plan. The expansion plan is periodically reviewed and may be revised due to changes in assumptions.**

**This presentation does not represent a commitment to build for projects listed in the future.**

**The in-service date of each project is June 1<sup>st</sup> of the stated project year, unless otherwise specified.**

**The need date of each project is the same as the in-service date, unless otherwise specified.**

**EAST**

**WEST**

# FRCC Coordination Update

## **FRCC Coordination Update**

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- **Currently exchanging the latest transmission models for the ten year planning horizon.**
- **Models will be incorporated into subsequent base cases.**

# Next Meeting Activities

## Next Meeting Activities

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### ❖ 2013 SERTP 3rd Quarter Meeting

#### “Second RPSG Meeting”

- Location: TBD
- Date: September 2013
- Purpose:
  - Discuss preliminary economic planning study results

**Questions?**