A large, light gray, stylized sun graphic is positioned on the left side of the slide. It features a central point from which numerous triangular rays radiate outwards, creating a semi-circular shape at the top and a more complex, multi-pointed base.

# MISO's Interconnection Process Queue Reform

**JCM**

**02/18/2016**

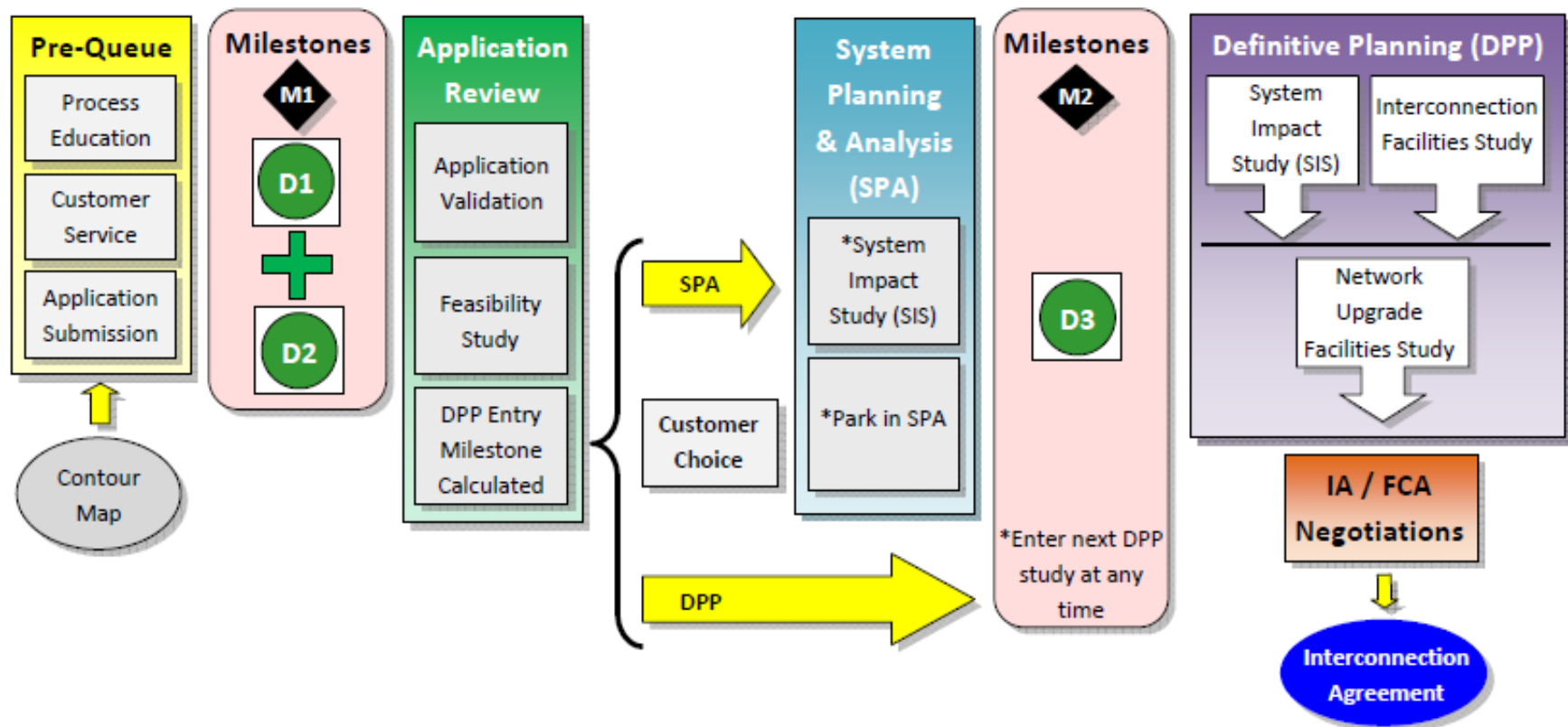
# Agenda

1. Generator Interconnection Queue Reform – Why?
2. MISO's Generator Interconnection Queue Reform proposal
3. Salient Features of the proposal
4. Tariff filing schedule

# Need for a Queue Reform

1. Restudies causing significant processing delays
  - Study backlog caused by project withdrawals
  - “M2” milestone is not preventing non-ready projects from entering the queue
  - Inefficient use of MISO, Transmission Owner, & IC resources
  
2. Need to respond quickly and be ready for future needs
  - MISO’s Resource Adequacy Requirements in 2020 and beyond
  - Clean Power Plan impacts

# MISO's current Generation Interconnection Process



# Salient Features of the Queue Reform

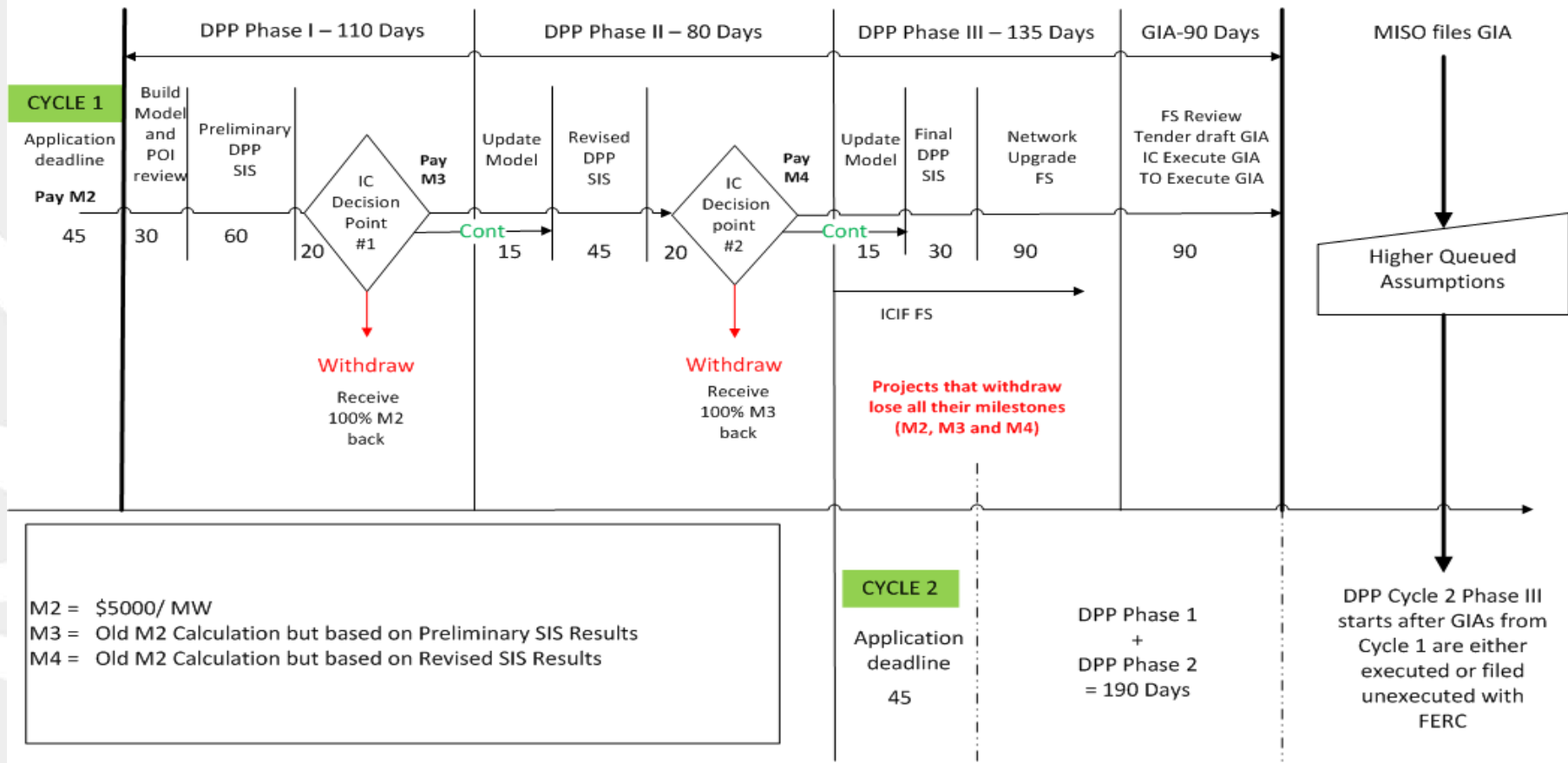
- Eliminate/Minimize the restudies
  - Make System Impact Study restudy an integral part of the Generator Interconnection Process
  - Start Final System Impact Study only after execution of GIAs in previous cycles
- Insert additional readiness milestones while providing flexibility for Interconnection Customers
  - Add M3 and M4 “cash at risk” milestones to demonstrate readiness and provide off ramps for early withdrawal and receiving 100% “cash at risk” milestones back
  - Allow Interconnection Customers to reduce their project size during Definitive Planning Phase 1

# Salient Features of the Queue Reform

- Streamline the existing process
  - No need for performing Feasibility Studies (Make M2 a flat payment of \$5000/MW)
  - Eliminate System Planning and Analysis Phase (SPA)
  - Instead, offer “Pre-Queue Feasibility Studies” for Interconnection Customers to perform initial due diligence prior to entering the queue
- Make the process more fair for Interconnection Customers
  - No further restudies for projects after they execute a permanent GIA
  - Withdrawing projects are no longer required to fund any further studies due to their withdrawal, unless they withdraw during late stages of the study cycle
  - Eligible to receive pro-rata collected milestone payments to cover increase in Network Upgrade costs due to withdrawing Interconnection Customers
  - Left over milestone payments returned back to the withdrawing Interconnection Customers

# MISO's Queue Reform Proposal

DPP Phase 1 + DPP Phase 2 = 190 Days



M2 = \$5000/ MW  
M3 = Old M2 Calculation but based on Preliminary SIS Results  
M4 = Old M2 Calculation but based on Revised SIS Results

1. IC that misses the M2 deadline for cycle 1, can queue up for Cycle 2. This cycle will begin after completion of Phase 2 of Cycle 1
2. DPP Phase 1 and Phase 2 of each cycle will model higher queued assumptions from previous phase III studies as available during the time of study.

## Next Steps

- MISO is working with PJM to discuss the impact of this queue reform and realign the queue coordination timelines.
- New process expected to transition in October 2016



## Contact

**Swaraj Jammalamadaka**

**[sjammalamadaka@misoenergy.org](mailto:sjammalamadaka@misoenergy.org)**

**Vikram Godbole**

**[vgodbole@misoenergy.org](mailto:vgodbole@misoenergy.org)**

**Tim Aliff**

**[taliff@misoenergy.org](mailto:taliff@misoenergy.org)**

# Appendix

MISO's Queue Reform Discussion kickoff Presentation– Aug 13<sup>th</sup>, 2015

<https://www.misoenergy.org/Library/Repository/Meeting%20Material/Stakeholder/IPTF/2015/20150813/20150813%20IPTF%20Item%2006%20Queue%20Reform%202015.pdf>

MISO's Initial Proposal for the Queue Reform – Sept 10<sup>th</sup>, 2015

<https://www.misoenergy.org/Library/Repository/Meeting%20Material/Stakeholder/IPTF/2015/20150910/20150910%20IPTF%20Item%2002%20Queue%20Reform.pdf>

MISO's Alternate Proposal for the Queue Reform – October 8<sup>th</sup>, 2015

[https://www.misoenergy.org/Library/Repository/Meeting%20Material/Stakeholder/IPTF/2015/20151008/20151008%20IPTF%20Item%2004%20Queue%20Reform\\_rev2.pdf](https://www.misoenergy.org/Library/Repository/Meeting%20Material/Stakeholder/IPTF/2015/20151008/20151008%20IPTF%20Item%2004%20Queue%20Reform_rev2.pdf)

MISO's Revised Alternate Proposal – November 5<sup>th</sup>, 2015

<https://www.misoenergy.org/Library/Repository/Meeting%20Material/Stakeholder/IPTF/2015/20151105/20151105%20IPTF%20Item%2004%20Queue%20Reform%20Presentation.pdf>