



California ISO

# Deliverability Assessment Methodology Revised Draft Final Proposal Paper

*Deliverability Assessment Methodology Revised Draft Final  
Proposal Stakeholder Meeting*

*November 4, 2019*

# Agenda

- Introduction
- Proposed revisions to the treatment of hybrid projects
- One-time TPD allocation revision
- Next steps

# Introduction

# Acronyms

- COD – Commercial On-Line Date
- EO - Energy Only
- FCDS – Full Capacity Deliverability Status
- GIA – Generator Interconnection Agreement
- IC – Interconnection Customer
- LDNU - Local Delivery Network Upgrade
- LSE – Load Serving Entity
- OPDS – Off-Peak Deliverability Status
- PCDS – Partial Capacity Deliverability Status
- PPA – Power Purchase Agreement
- TPD – Transmission Plan Deliverability

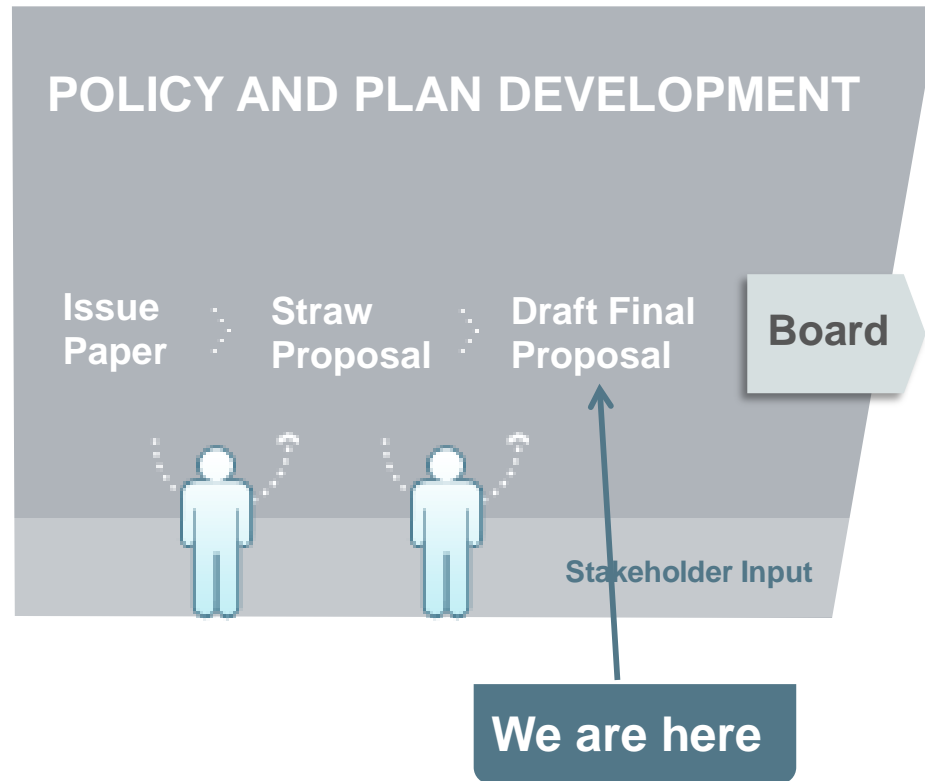
# CAISO Policy Initiative Stakeholder Process

04/25/2019 – issue paper

07/29/2019 – straw proposal

09/27/2019 – draft final proposal

10/30/2019 – revised draft final proposal



# Proposed revisions to Draft Final Proposal

- Proposed revisions to the treatment of hybrid projects
- Responses to stakeholder comments on providing an opportunity for Energy Only generators to receive TPD allocation

# Proposed revisions to the treatment of hybrid projects

Songzhe Zhu

Sr. Advisor Regional Transmission Engineer

# Clarification on Scheduling Priority – Wind and Solar

- Allow self-scheduling for new wind and solar resources selecting OPDS upon commercial operation.

	FCDS & PCDS		EO	
	OPDS	Non-OPDS	OPDS	Non-OPDS
Existing wind/solar generation	Self Scheduling Allowed (Grandfathered)		Self Scheduling Allowed (Grandfathered)	
New wind and solar in the queue prior to the OPDS implementation	Self Scheduling Allowed (OPDS selection assumed)		One-time chance to request OPDS	
			Self Scheduling Allowed	No-Self Scheduling
New wind and solar to the queue after the OPDS implementation	Self Scheduling Allowed	No-Self Scheduling	Self Scheduling Allowed	No-Self Scheduling

Wind and Solar projects in Queue Cluster 10, 11, and 12 that initially requested FCDS or PCDS and have not been converted to EO, will be assumed to select OPDS.



# Clarification on Scheduling Priority – Non-wind and Solar

- Allow self-scheduling for FCDS or PCDS non-wind and solar upon commercial operation.

	FCDS & PCDS	EO
	OPDS not applicable	
Existing non-wind/solar generation	Self Scheduling Allowed	
New non-wind/solar in the queue prior to the OPDS implementation	Self Scheduling Allowed	
New non-wind/solar generation after the OPDS implementation	Self Scheduling Allowed	No-Self Scheduling

## Clarification on Scheduling Priority – Hybrid Interconnection Request

- Hybrid interconnection requests, if including solar or wind component, will elect OPDS in the same manner as a solar or wind interconnection request.



# One-time TPD Allocation Revision

Deb Le Vine

Director, Infrastructure Contracts & Management

November 4, 2019

## Reason for One-time TPD Change

- New deliverability assessment methodology will make a substantial amount of existing deliverability capacity available to interconnection customers
- CAISO expects a generating capacity shortfall in the near future
- Shortfall warrants expedited generation development to ensure the reliable operation of the CAISO controlled grid

# One-time TDP Overview

- Supplant all current rules regarding TPD allocation
- End with this one cycle, CAISO will revert to the current tariff TPD allocation process thereafter
- Principle difference between the one-time process and the current process
  - Any IC with a completed Phase II study that is still an active project in the interconnection queue can seek deliverability by representing that it elects to proceed without a PPA
  - IC will be subject to the restrictions described in Section 8.9.2.2 of Appendix DD going forward

# One-time TPD Process: Group Modifications

- Regardless of what queue cluster the interconnection customer is in, any interconnection customer selecting this option will be allocated TPD last
- The previous allocation group three will now be allocation group seven
- Groups previously four, five, six, and seven will move up
- Allocation groups one and two are unchanged

## One-time TPD Process: Seeking TPD Affidavit

- Affidavit due December 3, 2019 for EO or PCDS
- \$60,000 deposit due with TPD affidavit, except C9 coming out of parking, C10 and C11
- Affidavit will include both:
  - The existing information (assuming FERC does not approve the one-time TPD change)
  - Additional information (assuming FERC approves the one-time TPD change)
- IC may update their COD through the MMA process

# One-Time TPD Process: LDNU Impact

- Only three sets of interconnection customers will be eligible to trigger the assignment and construction of new LDNUs:
  - allocation group one
  - allocation group two
  - ICs electing to proceed without a PPA that currently have FCDS status (*i.e.*, before this one-time TPD allocation process)
- Any IC that is currently designated Energy Only—regardless of what it previously requested—cannot require new LDNUs to achieve FCDS



# One-time TPD Process: Allocation Order

1. ICs in the current Queue Cluster or coming out of parking that have executed PPAs, and to ICs in the current Queue Cluster that are LSE serving their own Load
2. ICs in the current Queue Cluster or coming out of parking that are actively negotiating a PPA or on an active short list to receive a PPA
3. ICs that have not achieved their COD, originally requested FCDS or PCDS, and have executed PPAs; and to ICs that have achieved their COD and have executed PPA

## One-time TPD Process: Allocation Order (cont.)

4. ICs that have not achieved their COD, originally requested FCDS or PCDS, and are actively negotiating a PPA or on an active short list to receive a PPA; and to ICs that have achieved their COD and are actively negotiating a PPA or on an active short list to receive a PPA
5. ICs that originally requested FCDS or PCDS but achieved their COD as Energy Only
6. ICs that achieved their COD
7. ICs with a completed Phase II Interconnection Study electing to proceed without a PPA, subject to Section 8.9.2.2 of Appendix DD

## One-time TPD Process: Section 8.9.2.2

Electing to proceed without a PPA has the following obligations:

- Ineligible to extend this COD after the December 2<sup>nd</sup>
- must accept the TP Deliverability allocation and forego parking that capacity, or withdraw
- may not request suspension under its GIA
- may not delay providing its notice to proceed as specified in its GIA
- modify its COD beyond the earlier of (a) the date established in its IR when it requests TPD or (b) seven (7) years from the date the CAISO received its IR

Failure to meet these obligations will result in converting the GIA to Energy Only

# One-time TPD Process: Insufficient TPD Allocation

1. Allocate available TPD to the qualifying group based on highest numerical score
2. Adding a fourth category that allocates points by COD
  - COD in 2020 or earlier      10 points
  - COD in 2021                      8 points
  - COD in 2022                      6 points
  - COD in 2023                      4 points
3. CAISO will use LDNU cost estimates as the tiebreaker, followed by an allocation using the weighted least square algorithm

# Next Steps Pertaining to Deliverability Assessment Methodology

- Consider stakeholder feed back provided during this call and finalize the proposal
- Seek CAISO Board approval on the proposal at the November Board Meeting
- Revise tariff
- Ideally, utilize new methodology in the 2020 Reassessment, Cluster 12 Phase 2, Cluster 13 Phase 1 and all studies afterward