

Integrated Grid Planning

Joint Competitive Procurement and Solution Evaluation &
Optimization Working Group Meeting

November 13, 2019



Hawaiian Electric
Maui Electric
Hawai'i Electric Light

Agenda

- ◆ Welcome & Introductions
 - ◆ WG Ground Rules
- ◆ Review latest draft of the proposed IGP Solution Sourcing process
- ◆ Review draft process of Pathway for Future Procurements
- ◆ Discuss decomposition of Capacity, Energy & AS Needs process step
- ◆ Discuss CEAS long-term forecast needs and long term RFI
- ◆ Provide updates on CPWG & SEOWG process description outlines
- ◆ Next Steps

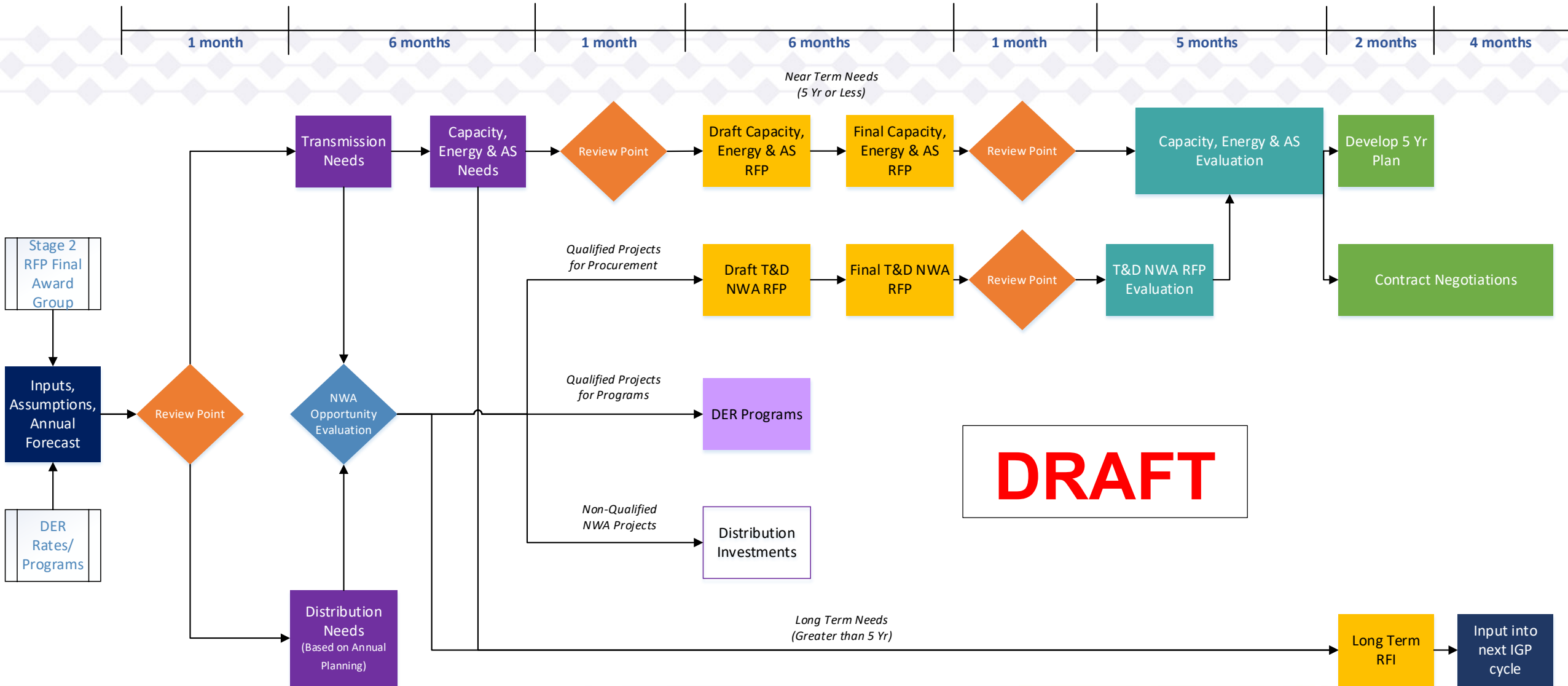


Objective for November 13, 2019 Meeting

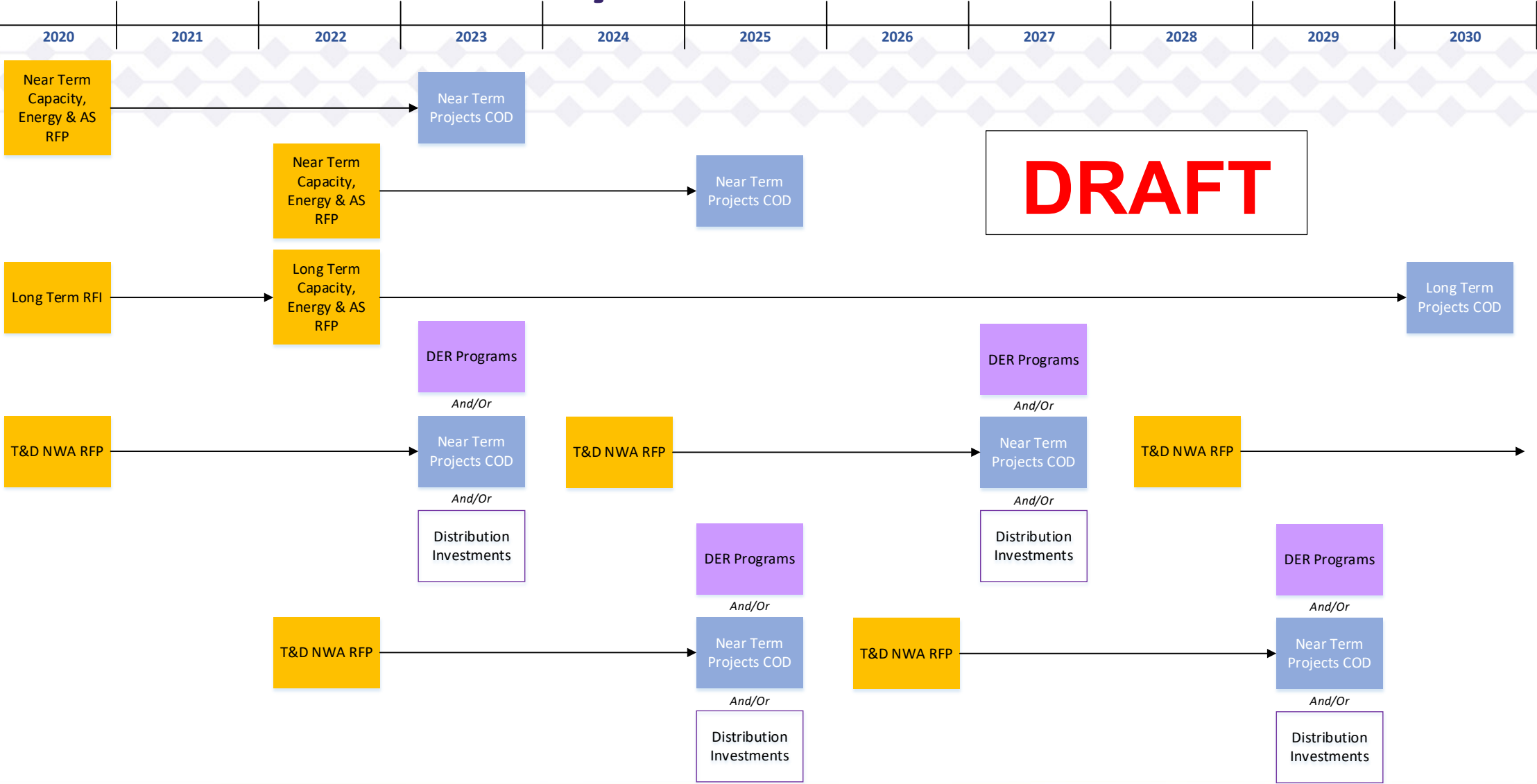
- ◆ Finalize the high level IGP Solution Sourcing Process to set the framework for the detailed process steps



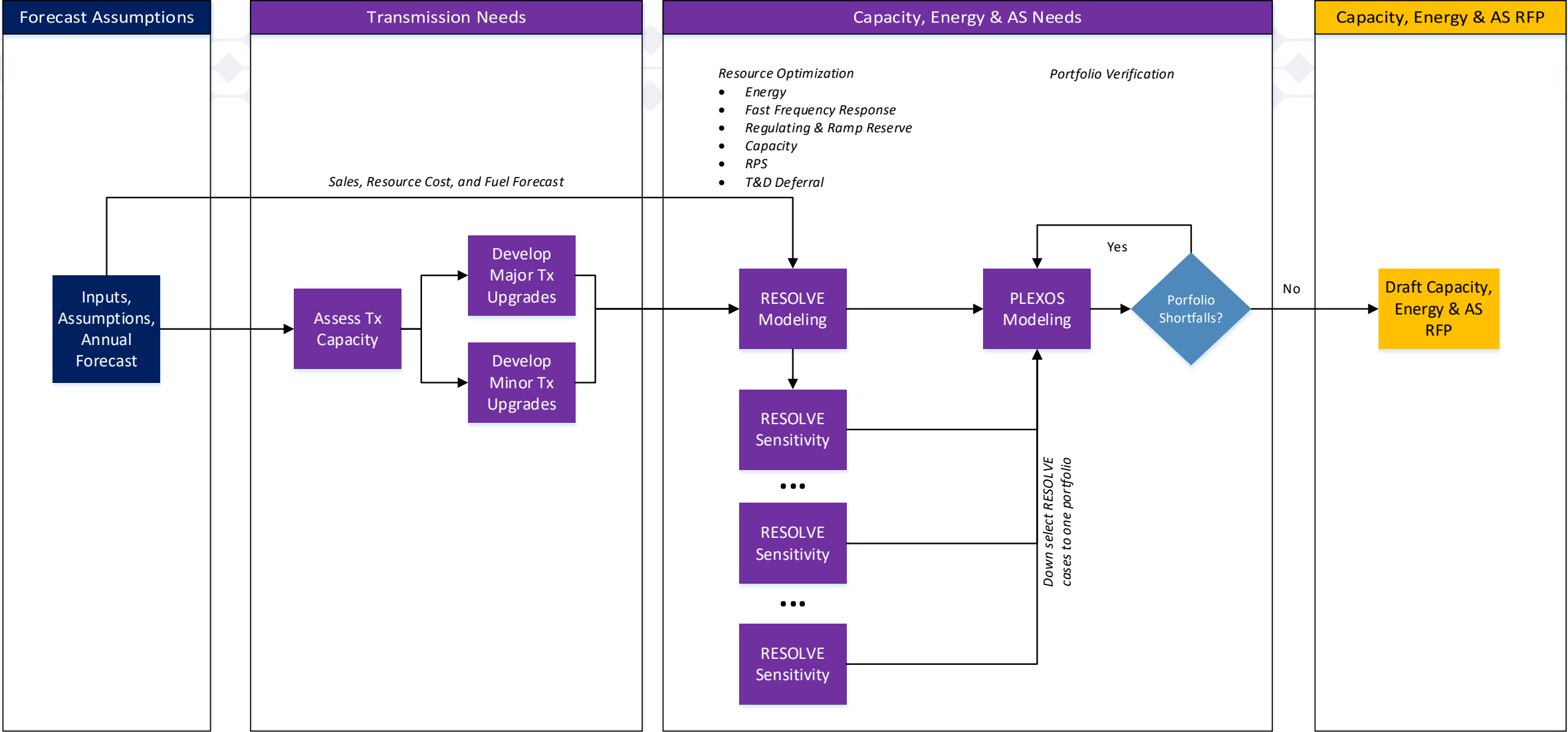
Updated IGP Solution Sourcing Process



Draft Pathway for Future Procurements



Capacity, Energy & AS Needs Process



Capacity, Energy & AS Needs Process

- ◆ What does it mean to have an “integrated” process?
 - ◆ We’d like to capture different viewpoints.
 - ◆ What is achievable in the first IGP cycle?
- ◆ What is the breadth of sensitivities that should be considered in the RESOLVE modeling?
- ◆ How should the Companies down select or incorporate the results of RESOLVE sensitivities to arrive at a final portfolio?



Long Term RFI Process Discussion

- ◆ What are the objectives of the long term RFI?
- ◆ How do we structure the RFI to ensure that the information received can shape a long term RFP?
- ◆ What do developers need from the Companies to advance development of a long term project?



Next Steps

- ◆ Send any additional comments on the IGP Solution Sourcing Diagram by November 22
 - ◆ Need to finalize this high level process flow to develop details of individual process steps
- ◆ Walk through details of the RESOLVE and PLEXOS modeling
 - ◆ What planning criteria will be solved for?
 - ◆ What constraints will be incorporated into the models?
 - ◆ What grid service needs will be identified by the models? How are these services defined?
- ◆ What kind of information will be used from the CEAS needs to develop near term and long term RFPs? How specific should the RFPs be?
- ◆ Reach agreement on the CEAS needs process step by January 8, 2020

