

UM 2005 Distribution System Planning

December 15, 2020



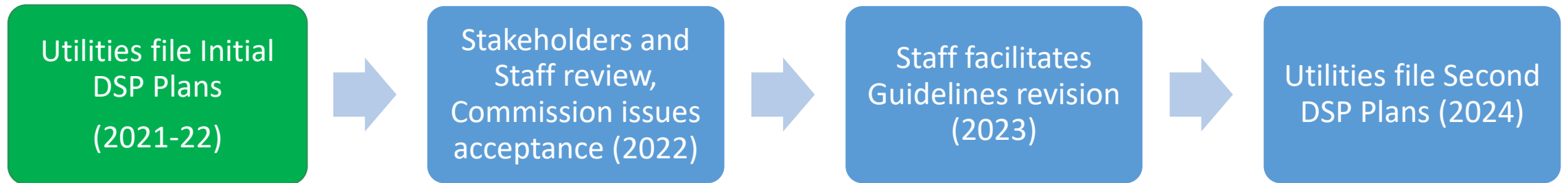
Today's Intended Outcomes



Shared understanding of:

- Stakeholder comments on draft DSP Guidelines, and resulting revisions
- Outstanding issues and Staff recommendations
- Next steps in process

DSP Guidelines Evolution



DSP Proposed Guidelines



Section	
1. Process and Timing	4.5 Plan for Part 2 Development
2. Commission Action	5.1 Forecasting Load Growth, DER Adoption & EV Adoption
3. Scope	5.2 Grid Needs Identification
4.1 Baseline Data and System Assessment	5.3 Solution Identification
4.2 Hosting Capacity Analysis	5.4 Near Term Action Plan (2-4 years)
4.3 Community Engagement Plan	6. Overview of the Process
4.4 Long-Term Distribution System Plan (5-10 years)	

Stakeholder Comments and Guidelines Revisions



- Substantive comments with constructive tone from 10 parties
- 96 requests with Staff response:
 - Modify
 - Implementation guidance
 - Future consideration
 - Already captured
- Result: improvements to Guidelines

			Section	IRGE	PAC	Idaho Power	Energy Trust	Joint Parties	Renewable NW	Community Energy Project	Willowa Resources	Anterix	Temik, Inc.		
			Overarching or General Comments	X	X			X	X		X				
			Timing and Commission Action	X	X	X		X	X						
			Process Alignment	X	X	X		X							
			Baseline Data and System Assessment	X	X	X	X	X	X		X				
			Load, DER and EV Forecasting	X	X	X	X		X		X				
			Hosting Capacity Analysis	X		X	X	X							
			Community Engagement Plan	X	X	X		X		X	X				
			Grid Needs Identification	X	X		X	X	X			X			
			Solution Identification	X	X	X	X	X		X	X	X	X		
			Near-term and Long-term Action Plans	X			X		X						
			Evolution of DSP	X	X	X		X	X					X	
ID	Topic	Comment Summary												Response	Recommendation
1	Commission Action	Not require "acceptance" or "acknowledgment" of the initial DSP; rather begin Commission action with the second DSP Plan		X										Modify draft Guidelines	Clarify intent of acceptance for first plan
2	Timing	Submit biennially based on date of Commission action on Plan, not on date submitted		X										Modify draft Guidelines	Change to two years based on Commission action on Plan
3	Timing	Align the timing of a DSP with IRP filings / should be driven by current IRP schedule		X	X	X								Modify draft Guidelines	Stagger the filing into Part One and Part Two. This allows utilities to perform detailed forecasting and granular planning after IRPs.
4	Baseline - clarity	Specify a date range for all datasets (e.g., items k, m, and o of Staff's recommendations) to ensure consistency between datasets.		X										Modify draft Guidelines	Baseline data guidelines now consistently reference past five years when inquiring about historical data.
5	Baseline - spending	Limit reporting on spending to defined DSP investments for item j., remove preventative maintenance and vegetation management		X										Modify draft Guidelines	Remove vegetation management category; maintain preventative maintenance category
6	Baseline - clarity	Clarify item f., a summary of the measurements on the distribution system OR the actual measurements themselves		X										Modify draft Guidelines	Clarify Guideline as requested within Baseline section
7	Baseline	Remove requirement item n. (map), instead provide information at an aggregated level, such as feeder-level or circuit-level.		X										No action	Maintaining requirement as drafted to bolster transparent understanding of system, and to balance stakeholder interests
8	Cyber security, data security	Undertake a process to work with utilities and experts on cybersecurity considerations for DERs; should inform long-term evolution of DSP in regard to data transparency and security		X										Implementation guidance	Staff will consider stakeholder workshops in Q1-Q2 2021, to include cybersecurity as topic
9	Forecasting - DER	Clarify if utilities not only have discretion around the granularity of locational aspect of DER adoption but also on the vintage of data		X										Modify draft Guidelines	Replace "locational aspect" references with "substation" references. Regarding vintage of data, revise Guideline to encourage utilities to use the highest quality data available

Stakeholder Comments and Guidelines Revisions



1. Timing and Process
2. Community Engagement
3. Simplification and Clarification
4. Accelerating Forward Progress
5. Outstanding issues:
 - Inclusion of QF's in DER definition
 - Other issues to be addressed

DSP Plan Timing and Process



- Stakeholder Feedback: Utilities requested that DSP follow IRP, concerns about transitioning from legacy practices to new practices. Stakeholders requested more time for meaningful community engagement in Plan review and pilot proposal development.
- Staff Response:
 - Phased approach to initial DSP Plan filing for 2021-22

Two Parts for the Initial Plan



Part 1 (by October 2021)	Part 2 (by August 2022)
Baseline Data and System Assessment	Forecasting of Load Growth, DER Adoption, and EV Adoption
Hosting Capacity Analysis	Grid Needs Identification
Community Engagement Plan	Solution Identification
Overarching Requirement – Long-term Plan	Overarching Requirement – Near-term Action Plan
Plan for Part 2 Development	

Community Engagement



- Stakeholder Feedback: More time, requirements and resources are necessary for community engagement during development of the Plan and pilot proposals.
- Staff Response:
 - Phased approach to initial Plan filing for 2021-22
 - Increased minimum number of stakeholder meetings
 - PUC may provide workshops and technical work group to support further discussion
 - PUC may prepare non-technical educational materials on DSP

Simplification and Clarification



- Stakeholder Feedback: Various requests for clarification or simplification of some requirements.
- Staff Response:
 - Specified or removed baseline data requirements
 - Simplified the hosting capacity analysis requirement
 - Provided more prominent language on acceptance

Accelerating Forward Progress



- Feedback: Ten years is too long to wait for future stages, expressing urgency of climate change.
- Staff Response:
 - Removed references to specific years for future stages of DSP
 - Added language that future stages may be accelerated

Outstanding Issues



- For revision today: Inclusion of QF's in DER definition
- To engage in the next year
- To explore after initial Plans, during Guidelines revision

For Revision: Inclusion of QF's in DER Definition



- Stakeholder Feedback: Concern about the inclusion of Qualifying Facilities (QFs) in the revised definition of distributed energy resources (DERs) in the Guidelines.
- Staff Response:
 - Staff proposes revising the definition of DERs:
For the purposes of these guidelines “distributed energy resource” includes distributed generation resources ~~(either net metering or Qualifying Facilities)~~, distributed energy storage, demand response, energy efficiency, and electric vehicles that are connected to the electric distribution power grid.

Issues to Engage During Next Year



- Stakeholder Feedback: Requests for clarification or further discussion:
 - Cybersecurity
 - Usable and accessible data
 - Community engagement metrics
 - Cost recovery
- Staff Response:
 - 2021 workshops on these topics

To Explore After First Plans



- Stakeholder Feedback: Requests for clarification or further discussion:
 - Regulatory reform
 - Vision of distribution system
 - Cadence of Plan submission
 - Rural projects consideration
- Staff Response: Recognizing importance of these topics, recommend stakeholder discussions follow Plan filing. Lessons learned with inform stakeholder process for Guidelines revision

Select Next Steps Moving Ahead



- Q1 and Q2 2021 – workshops on topics identified by stakeholders
- Q1 and Q2 2021 – technical working group
- Q3 2021 – Part 1 utility filings

Thank You!



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