

RAAC Action Items for 2020-21 Adequacy Assessment

Category	Action	Lead	Status/Priority
Resources			
Thermal	Get latest GENRES database	Charles	Done
Hydro	Get latest hydro-regulation data	Byrne	Done
Wind	Update regional wind total	Charles	Done
DR	Get DR, pumped storage, emergency gen data	Diffely	TBD
Counting	Sited/licensed, under construction, RPS? Steering Comm.	Fazio/Diffely	Mar 12 th
Contracts	Convert latest White Book contracts into GENESYS format	Byrne	Done
Loads			
Definition	Define weather-normalized load	Jourabchi	Done
Review	Compare current forecast to last year's	Jourabchi	Done
2020/21 Loads	Create 2020/21 hourly load spreadsheet	Jourabchi	Done
2020/21 Load File	Create GENESYS load input files (2 and 3 node)	Fazio	Done
Market Supply			
SW Imports	Review Energy GPS survey of California surplus	Fazio	TBD
IPP Supply	Review winter and summer assumptions	Fazio	TBD
S Idaho Imports	Collect data to support S Idaho import assumption	Tom Noll	TBD
Intertie History	Get outage/derate history	Diffely	TBD
Intertie Availability	Develop intertie availability by period	Diffely/Kujala	TBD
SW Demand	Investigate adding a SW demand for NW surplus	Fazio	Not this year
Intertie Outages	Model intertie outages/derate	Fazio/Kujala	Test this year

Flexibility			
Survey	How do utilities provide INC/DEC now	Kujala	TBD
Regional INC/DEC	Develop method to extrapolate BPA limits to region	Kujala	TBD
Modeling	Incorporate INC/DEC limits directly into hydro peak model	Kujala	Done
Peak vs. Energy	Develop new peak vs. energy tables (current INC/DEC)	Fazio/Kujala	Done
Peak vs. Energy	Develop new peak vs. energy tables (regional INC/DEC)	Fazio/Kujala	TBD
Non-hydro	Develop method to use thermal resources for INC/DEC	Kujala	Not this year
Scenarios			
Reference Case	2020 with med load, EE and expected gen (prelim)	Fazio	Feb 12 th
Coal Retirement	2021 Boardman and Centralia 1 (prelim)	Byrne	Feb 12 th
Reference Case	2020 with med load, EE and expected gen (final)	Fazio	April
Coal Retirement	2021 Boardman and Centralia 1 (final)	Byrne	April
Survey	Can traders/schedulers quantify transaction impediments	TBD	TBD
EE Uncertainty	Fill in LOLP “heat” table (final)	Fazio/Byrne	April
Load Uncertainty	Fill in LOLP “heat” table (final)	Fazio/Byrne	April
Resource Needs	Fill in capacity and energy “heat” table (final)	Fazio/Byrne	April
Demand Response	What DR to count in standby? Steering Committee	Fazio/Byrne	March 12 th
Climate Change	RMJOC data for 2045, interpolated back	Fazio/Jourabchi	After May
Market Friction	Low/high temp limit, reduce gen by forecast error	Fazio/Byrne	Not this year
Gas supply shortage	Low temp limit, remove gen w/o firm gas contract	Fazio/Byrne	Not this year
High Solar/Wind	Need new INC/DEC limits	Fazio/Kujala	Not this year
3-Node	2020 assessment with 3-nodes	Fazio/Byrne	Test this year
Columbia River Treaty	Potential impacts of new treaty	Fazio/BPA	Not this year
New Flood Control	Potential new flood control starting in 2024	Fazio/BPA	Not this year
ELCC	Calculate effective energy/capacity value for wind/solar	Fazio	Not this year
Sensitivities	Develop “key factor” vs. LOLP sensitivity curves	Fazio/Byrne	Not this year
	e.g. load, market, borrowed hydro,		

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Data to Other Models			
RPM	Define energy/capacity adequacy reserves	Fazio/Kujala	March
RPM	Create new hydro gen and sustained peak files	Fazio/Kujala	Done
AURORAxmp	Create new hydro gen and sustained peak files	Fazio	TBD