

**Northwest Power and Conservation Council  
Systems Analysis Advisory Committee  
January 19, 2021**

John Ollis, NWPCC, began the meeting at 1:00pm, noting that minutes from the January 8<sup>th</sup> SAAC meeting will be posted soon. Chad Madron, NWPCC, explained how to best engage with the Go-to-Webinar platform.

**HYDSIM Constraints**

**John Fazio and Dan Hua, NWPCC**

*The presentation explored the challenges in meeting high-priority river constraints in both classic GENESYS and HYDSIM before looking at the challenges in meeting all high-priority river constraints in the redeveloped GENESYS. Implications for regional deficits and needs assessment for the Plan were also discussed.*

**High Priority River Constraints Discussion-Redeveloped GENESYS**

**John Ollis, NWPCC**

Fred Heutte, NW Energy Coalition, asked what historical data was not available. John Ollis, NWPCC, said some of the historical data for all of the plants is limited. John Fazio, NWPCC, elaborated, saying neither he nor employees at BPA have had time to fine-tune all of the many constraints relative to climate change data. He used the example of flat-spill amounts to illustrate.

Heutte clarified that the data is not missing but a complete set of re-analyzed data that includes a climate effect is not yet available. Dan Hua, NWPCC, answered yes. Ollis agreed that there needs to be some sharpening of the numbers but this is good information for now.

Scott Levy, Blue Fish, confirmed that the Minimum Operative Storage receives a 0 deficit costs and 4500/MWh for the higher constraints. Ollis responded by saying these were the explored deficit costs and the minimum operative storage is actually around \$600,000/KFSD. He said if he made it higher there would be higher than the Dworshak max flow penalty.

Levy understood the strategy but asked if the 4500 bumps the other numbers. Ollis said no. Levy asked if the numbers on [Constraint Violations in Zero Cost Deficits] would change. Ollis said they may tinker with the numbers and report back, but thought these numbers were yielding decent results. Levy thought that was a good approach.

Ollis asked for questions or comments to be sent to him and ended the meeting at 3:00pm.

**Attendees via Go-to-Webinar**

John Ollis	NWPCC
John Fazio	NWPCC

Dan Hua	NWPCC
Chad Madron	NWPCC
Tanya Barham	Community Energy Labs
Leann Bleakney	NWPCC
Frank Brown	BPA
Aaron Bush	PPC
Dan Catchpole	News Data
Eric Graessley	BPA
Fred Heutte	NW Energy Coalition
Mike Hoffman	PNNL
Massoud Jourabchi	NWPCC
Torsten Kieper	BPA
Scot Levy	Blue Fish
Shirley Lindstrom	NWPCC
Douglas Logan	independent
John Lyons	Avista Corp
Shauna McReynolds	PNUCC
Tomás Morrissey	PNUCC
Elizabeth Osborne	NWPCC
Patrick Oshie	NWPCC
Sashwat Roy	Renewable NW
Bill Saporito	Umatilla Electric
Kathi Scanlan	WA UTC
Kelli Schermerhorn	Northwestern
Adam Schultz	ODOE
Brandon Treloar	independent
Ben Ulrich	EWEB
Brian Dekiep	NWPCC
Barbara Miller	US ACE
Will Price	EWEB
Steve Johnson	WA UTC