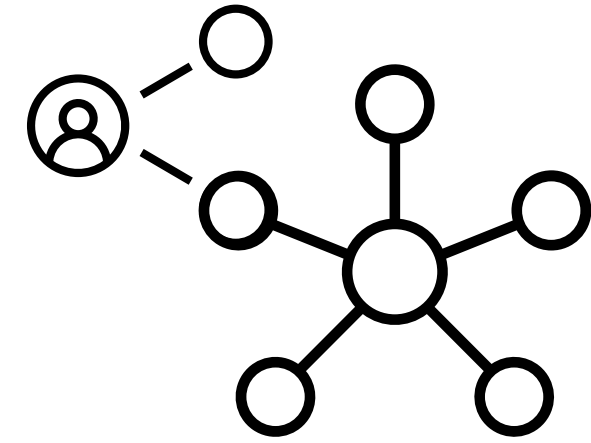


Session Agenda

- *Data Sharing Introduction* – Eric Andersen (Pacific Northwest National Laboratory)
- *Lessons learned from the Western Interconnection Synchrophasor Project (WISP)* – Dan Brancaccio (Quanta Technology)
- *A utility perspective on data sharing risks and concerns* - Jim Ball (Western Area Power Administration)
- *Open discussion with NASPI attendees* – Eric to moderate

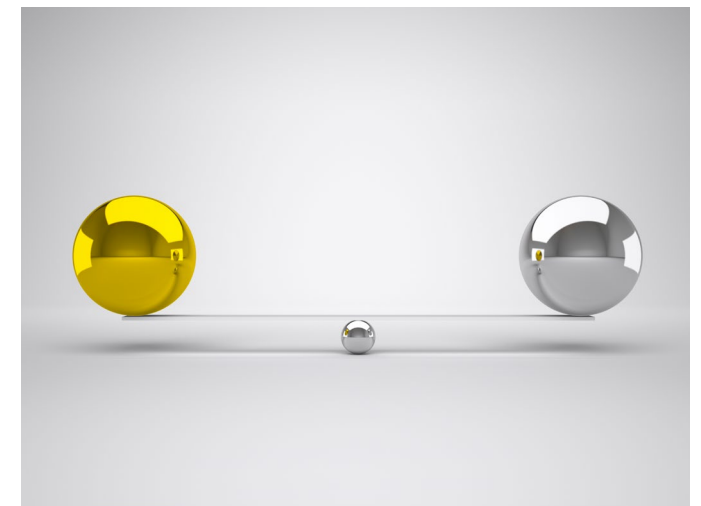
Data Sharing Sources and Relationships

- Data sources
 - PMU data (synchrophasors+)
 - SCADA
 - Event logs
- Utility (Internal) - Operators, engineers, planners, compliance, legal
- Utility External (Agreements, NDA's)
 - Utility to utility (TOP to TOP, TOP to RC/ISO, etc.)
 - Utility to regulator (compliance)
 - Utility to vendor (product development, troubleshooting, improvements)
 - Utility to research organizations (e.g., National Labs, Universities, innovators)
- Data sharing repositories in the research community
 - Signature library
 - NI4AI
 - DR POWER
 - PNNL's Electricity Infrastructure Operations Center server enclave



Risk vs Reward

- The effort (and cost) required to share and transfer data is problematic
- The lack of data impedes progress of technology advancements
- What are the risks to utilities?
 - Competitive risks
 - Exposure
 - Regulatory concerns
 - Security
 - Easier to continue as-is rather than embrace change
- What are the benefits (to utilities, to researchers)?
 - Utilities are inundated with requests for data
 - Utilities are time-constrained for supporting research projects
 - More access means more innovators working on solving problems
 - Synthetic data is not enough, researchers need real world data, with life-like examples



Understanding Data Sharing Risks and Benefits for Utilities – a NASPI Work Group Discussion

- What are the risks to utilities in sharing data (especially for research purposes)?
- Risk – real or perceived (and does it really matter?)
- How do those risks change over time?
- What are the challenges that you face in sharing your data with an RC, BA, or ISO?
- What are the challenges that you face in sharing your data with other neighboring utilities?
- What are the challenges in sharing data with researchers?
- Is it different with real time vs archive data?
- For a specific risk, other than just saying “no”, what have you done to mitigate it?
- Are differing formats for data sharing an issue for you (e.g, COMTRADE, 61850, sttp, etc.)?
- Are you overwhelmed with data requests?
- How do we create a significant value proposition for utilities?



Thank you

