

Power System Analysis with PowerWorld Simulator

Hosted by the Bonneville Power Administration

Location: Washington State University Vancouver
14204 NE Salmon Creek Ave Vancouver, WA 98686
Engineering and Computer Science building (VCES) Room 122

June 20-21, 2023

Presented by PowerWorld Corporation

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June 20			
9:00	-	9:15	Introductions
9:15	-	10:45	I3: Model Explorer and Case Information Displays
10:45	-	11:00	Break
11:00	-	11:45	I4: Auxiliary File Format: DATA Section
11:45	-	12:30	I5: Data Aggregation using Areas, Zones, Interfaces, Super Areas, Injection Groups
12:30	-	1:30	Lunch
1:30	-	1:45	I5: Data Aggregation... (continued)
1:45	-	3:15	I7: Power System Analysis and Voltage Control
3:15	-	3:30	Break
3:30	-	4:15	I8: Generator and Area MW Control through Interconnected System Operation
4:15	-	5:00	I9: Limit Monitoring Settings

June 21			
9:00	-	9:45	I10: Intro to Contingency Analysis
9:45	-	10:45	S4: Advanced Contingency Modeling
10:45	-	11:00	Break
11:00	-	12:00	S4: Advanced Contingency Modeling (continued)
12:00	-	12:30	I11: Linear Analysis (PTDF, TLR, GSF, LODF, OTDF)
12:30	-	1:30	Lunch
1:30	-	2:00	I12: Auxiliary File Format: SCRIPT Section
2:00	-	3:15	S5: Available Transfer Capability (ATC Add-on)
3:15	-	3:30	Break
3:30	-	4:30	S6: Voltage Stability Using PV Curves (PV Add-on)
4:30	-	5:00	S7: Voltage Stability Using QV Curves (QV Add-on, time permitting)