

<b>FSRUG</b> Reliability Improvements Today for Tomorrow's Nuclear Plant Success	<b>Feedwater &amp; Secondary System Reliability Users Group          with Eng FIN</b> <b>Annual Meeting - January 20-23, 2025</b> <b>Embassy Suites San Antonio Downtown Riverwalk</b> <b>Majestic BC Ballroom</b>	
	<i>Meeting of industry personnel for feedwater and balance-of-plant (BOP) equipment</i> Facilitators: President: Billy Sharp, Watts Bar Vice President: Matthew McAllister, Wolf Creek	
<b>Monday, January 20</b>	<b>Agenda Topics</b>	<b>Presenter</b>
<b>10:00</b>	Welcome – FSRUG History, Logistics, Meeting Objectives, Expectations	FSRUG President – Billy Sharp
<b>10:15</b>	Around the Room – Introductions	All
<b>10:50</b>	Break	
<b>11:00</b>	INPO Performance Update	Amanda Mast - Cook Nuclear
<b>11:30</b>	FSRUG Vendor Intro	Billy Sharp - Watts Bar
<b>12:00</b>	Lunch - Atrium area on 1st floor	
<b>13:00</b>	2024 Scram Review with Discussion cont.	Billy Sharp - Watts Bar
<b>13:30</b>	Pump Vibrations, Prox Probes, and Accelerometers	Ray Clawson - Sulzer Pumps
<b>14:20</b>	Break	
<b>14:30</b>	MFP Trip Logic Elimination to prevent SCRAM	Eric Fulton - Cooper Matt McAllister - Wolf Creek
<b>15:20</b>	Break	
<b>15:30</b>	Open Discussion	All
<b>15:50</b>	Break	
<b>16:00</b>	1 <sup>st</sup> Day Wrap-Up	FSRUG President – Billy Sharp

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<b>Tuesday, January 21</b>	<b>Agenda Topics</b>	<b>Presenter</b>
<b>8:00</b>	Day 2 Kickoff Around the Room – Vendor Introductions and Engineers: What's Your Problems?	FSRUG President – Billy Sharp
<b>8:20</b>	Break	
<b>8:30</b>	Troubleshooting and resolving vibration in machinery and equipment (e.g. piping, valves, pumps)	Mechanical Solutions, Inc.
<b>9:20</b>	Break	
<b>9:30</b>	Life-cycle cost reductions by utilizing thermoplastic composites	Greene Tweed
<b>10:20</b>	Break	
<b>10:30</b>	WBN U1 2025 Generature Issue	Billy Sharp - Watts Bar
<b>11:20</b>	Break	
<b>11:00</b>	Open Discussion	All
<b>12:00</b>	Lunch - Atrium area on 1st floor	
<b>13:00</b>	Monitoring & assessing LEFM path performance for system reliability with an LEFM CheckPlus system	Jonathan Lint, Garrett McLean - Sensia Global
<b>13:50</b>	Break	
<b>14:00</b>	Unusual Pump Issues Troubleshooting Exercise	Ernie Phillips - RER
<b>14:50</b>	Break	
<b>15:00</b>	Common Problems in Feedwater Heaters	CW-Anatec
<b>15:50</b>	Day 2 Wrap-Up	FSRUG President – Billy Sharp
<b>16:00 – 18:00</b>	Vendor Show (in meeting room)	

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<b>Wednesday, January 22</b>	<b>Agenda Topics</b>	<b>Presenter</b>
<b>8:00</b>	Day 3 Kick-Off	FSRUG President – Billy Sharp
<b>8:10</b>	Feedwater Pump Leak – FEA and Fracture Analysis – Temper Bead Weld Repair	Art Washburn - Sulzer
<b>9:00</b>	Break	
<b>09:10</b>	EPRI feedwater industry response and update	Fred Setzer - EPRI
<b>10:00</b>	Break	
<b>10:10</b>	NDE Options	Southwest Research Institute
<b>11:00</b>	Break	
<b>11:10</b>	IMI Drag technology for FSR severe service control valve applications	Gary Song - IMI Critical Engineering
<b>12:00</b>	Lunch - Atrium area on 1st floor	
<b>13:00</b>	Feedwater heater maintenance and repair. Feedwater heater tubing inspection topics	The Merrick Group
<b>13:50</b>	Break	
<b>14:00</b>	Gearing & charging pump drives	Chalmers & Kubeck, Inc.
<b>14:50</b>	Break	
<b>15:00</b>	Digitalization of heat exchanger tube plug reporting	Laura Clarke-Klein - Curtiss-Wright EST Group
<b>15:50</b>	Day 3 Wrap-Up	FSRUG President – Billy Sharp
<b>16:00 – 18:00</b>	Vendor Show (in meeting room)	

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<b>Thursday, January 23</b>	<b>Agenda Topics</b>	<b>Presenter</b>
<b>8:30</b>	Last Day Kick-Off Discussion on FSRUG future Requests for new board members	FSRUG President – Billy Sharp
<b>8:50</b>	Break	
<b>9:00</b>	Cook Nuclear Plant performance OE	Amanda Mast - Cook
<b>9:30</b>	Calloway OE - High turbine Vibes at startup	Landon Schuder - Calloway
<b>9:50</b>	Break	
<b>10:00</b>	Comanche Peak OE	Remington Oliver - Comanche Peak
<b>10:50</b>	Break	
<b>11:00</b>	Pump Training (cont.) - Reading Pump Curves	Art Washburn - Sulzer
<b>11:50</b>	Break	
<b>12:00</b>	Lunch - Atrium area on 1st floor	
<b>1:00</b>	Pump Training - Heater Drain Pump Motor Failure – Replacement Motor Heavy and Larger – Qualified by FEA Buckling Analysis	Art Washburn - Sulzer
<b>1:50</b>	Break	
<b>2:00</b>	Various FW issues from recent years	Michael Kienzle - Beaver Valley
<b>2:20</b>	Break	
<b>2:30</b>	Feedwater pump speed control failure	Zachary Sharpe - V. C. Summer
<b>2:50</b>	Break	
<b>3:00</b>	Pump OE Byron Station	Ray Clawson - Sulzer
<b>3:50</b>	Break	
<b>4:00</b>	Meeting Critique, lessons learned,	FSRUG President – Billy Sharp
<b>4:30</b>	Day 4 Meeting Wrap-Up and Adjourn	