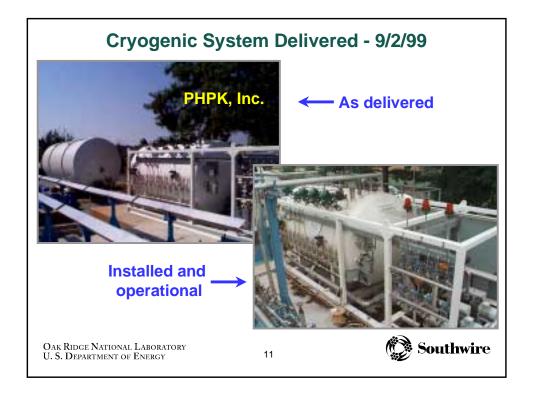
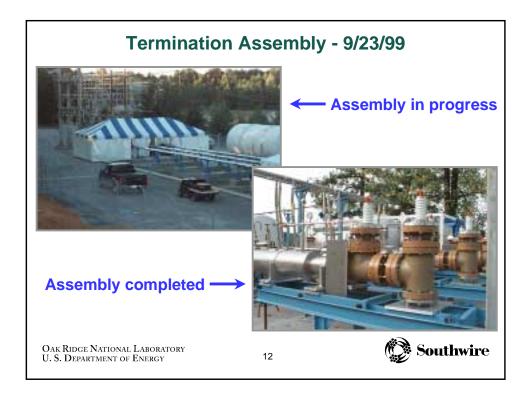
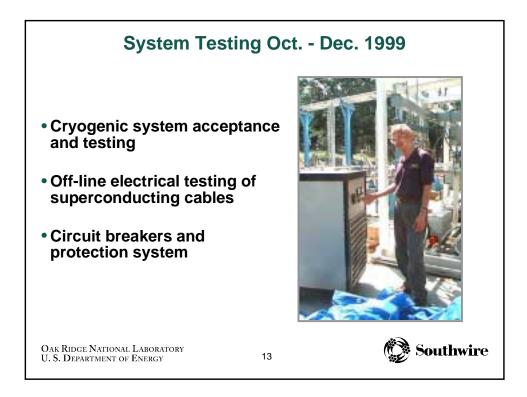
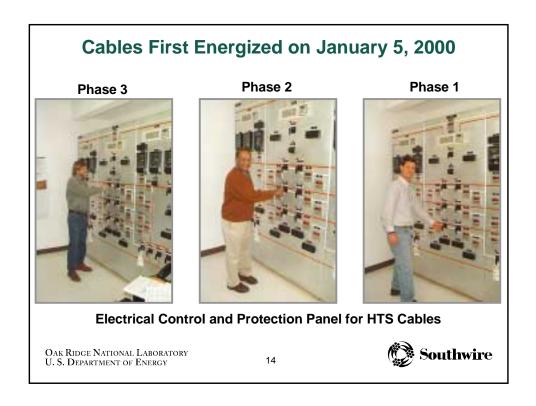


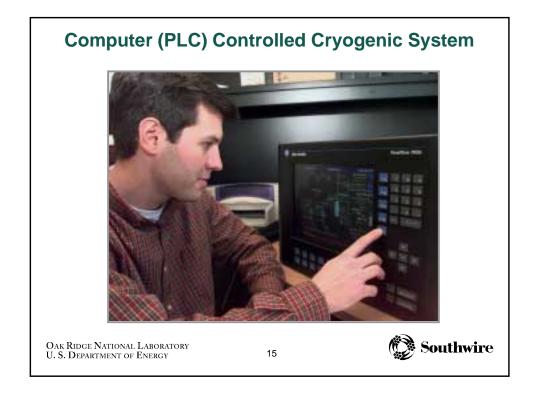
A Superconductivity Partnership Initiative (SPI) Project

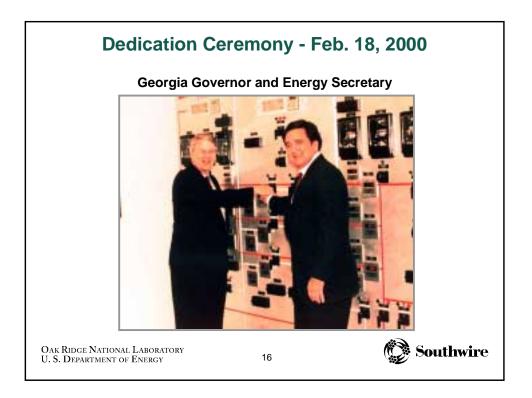


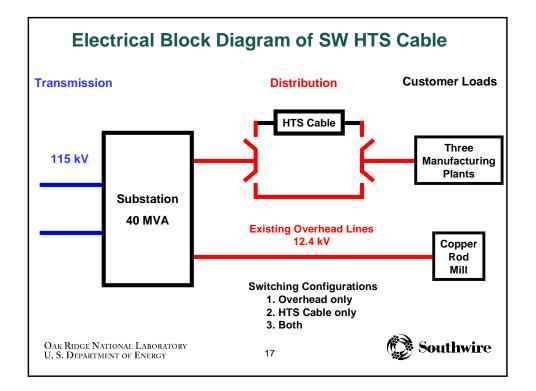


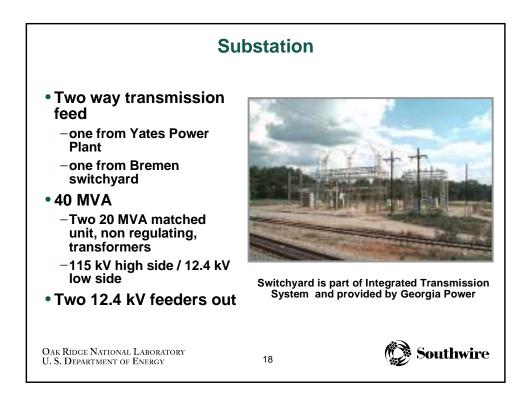


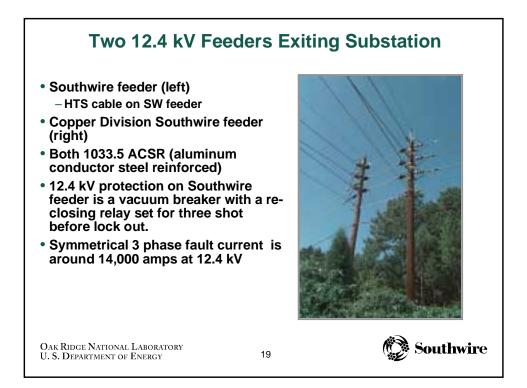


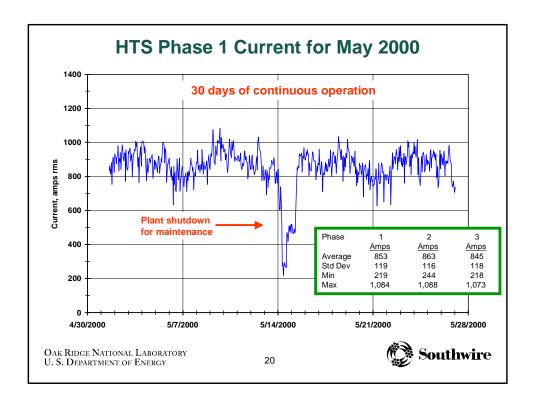


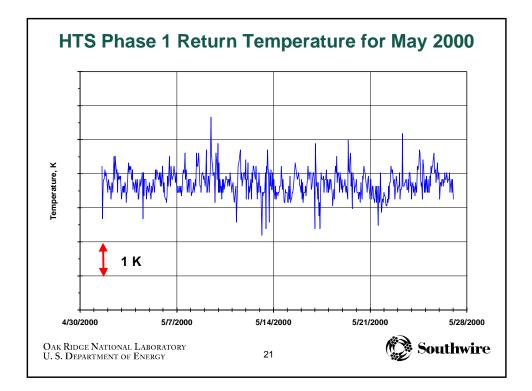


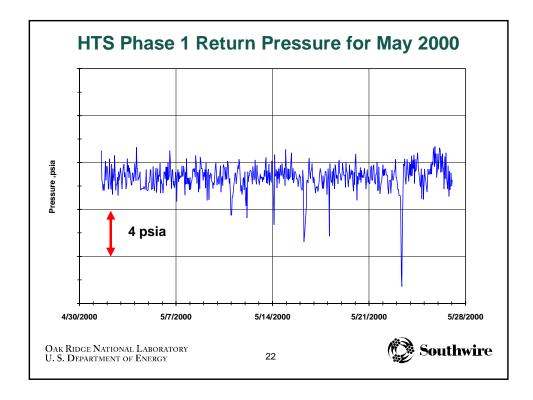


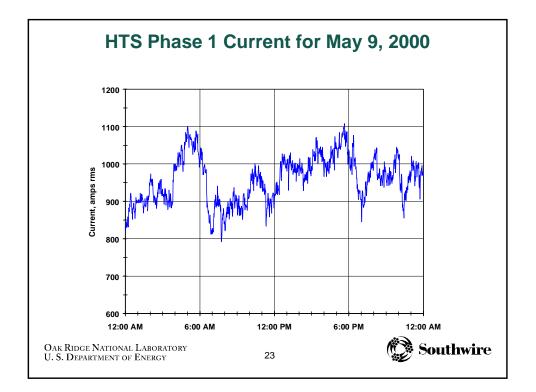


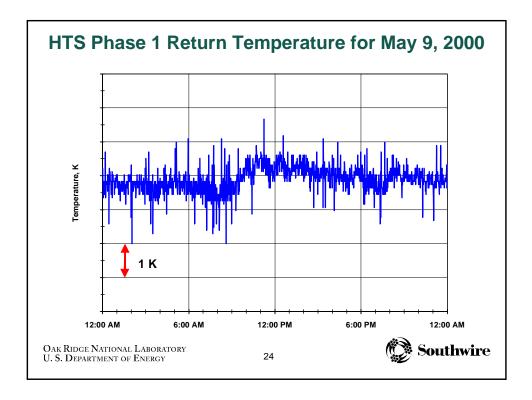


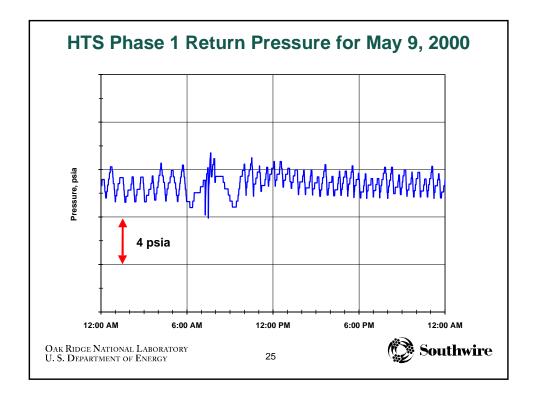


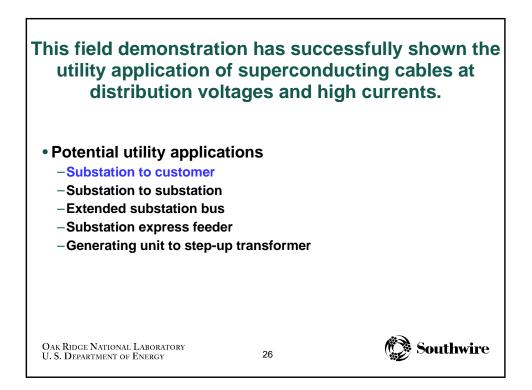


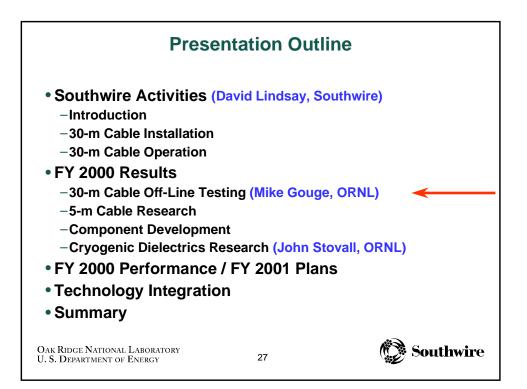


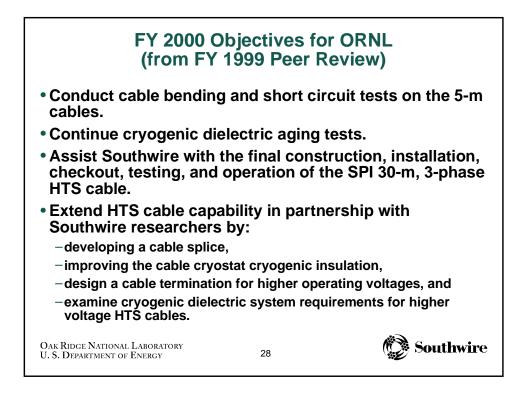


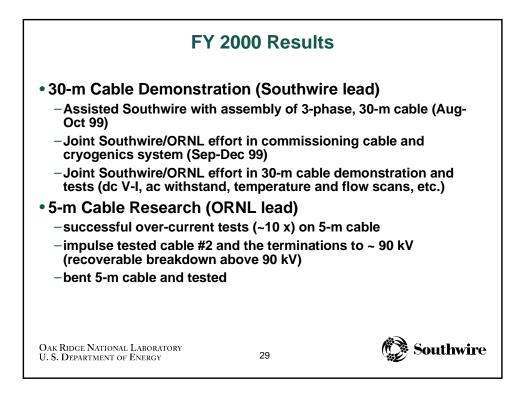


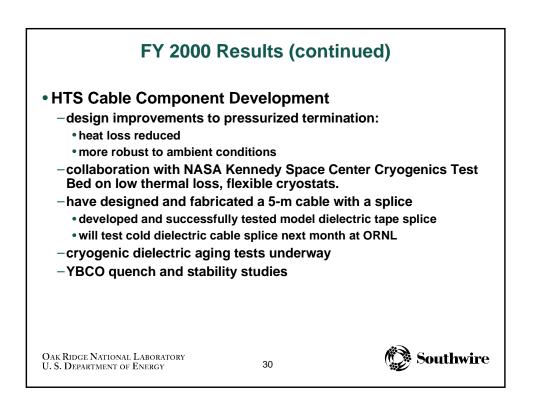


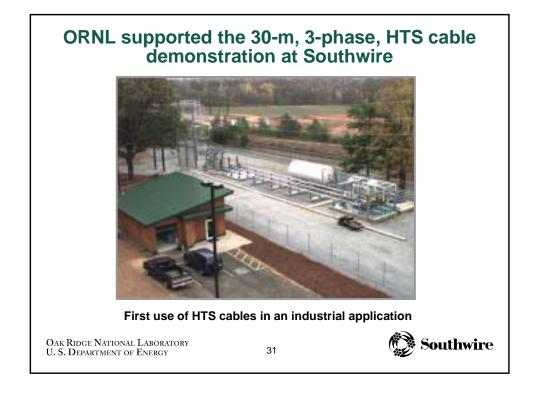


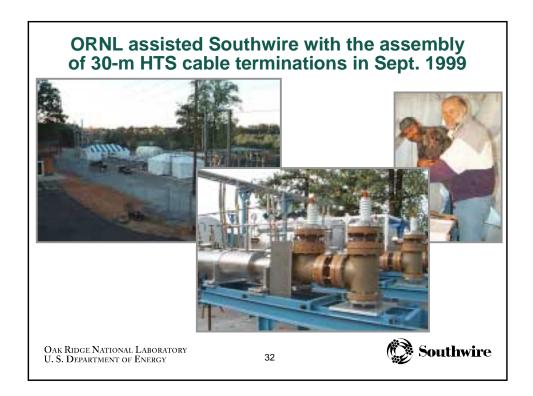


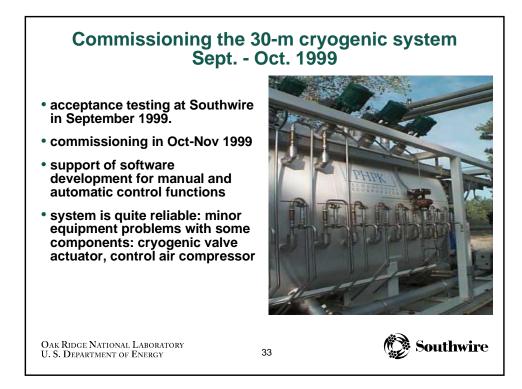


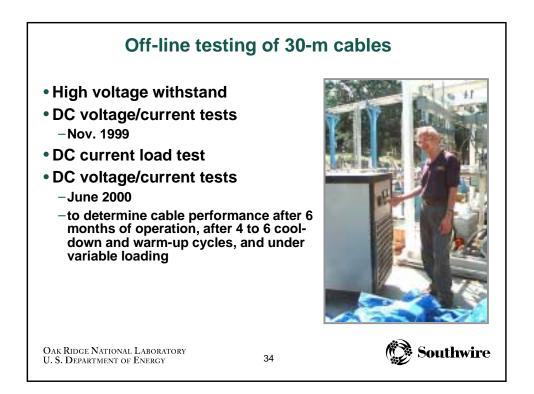


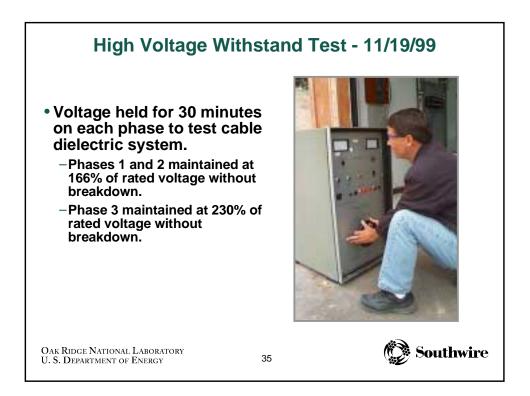




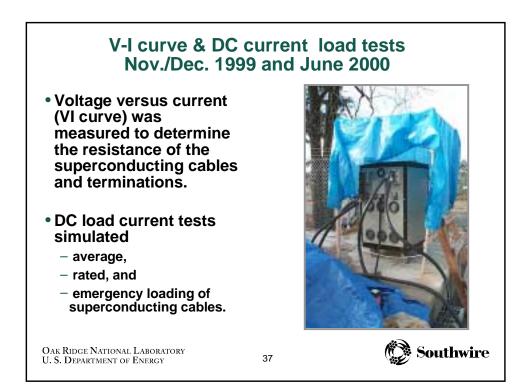


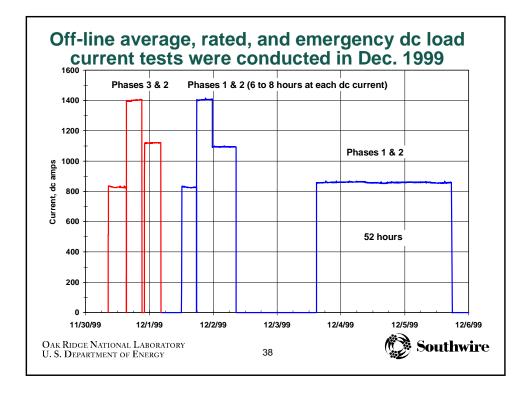


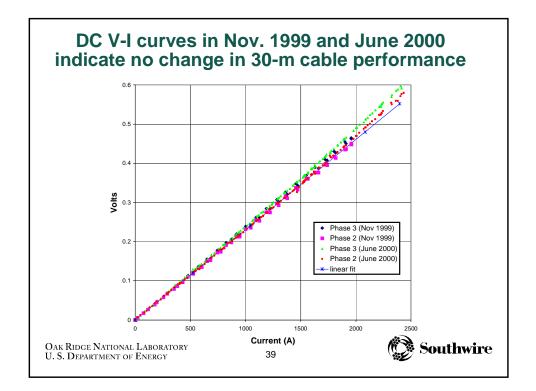


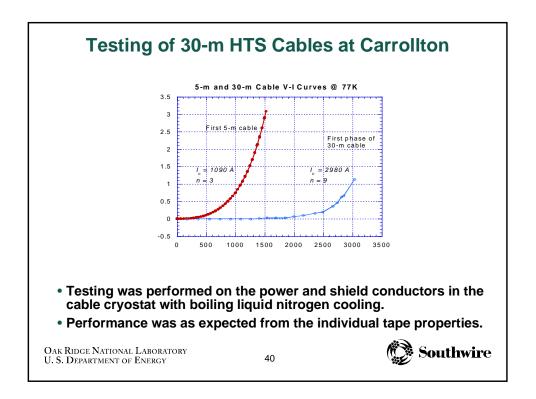


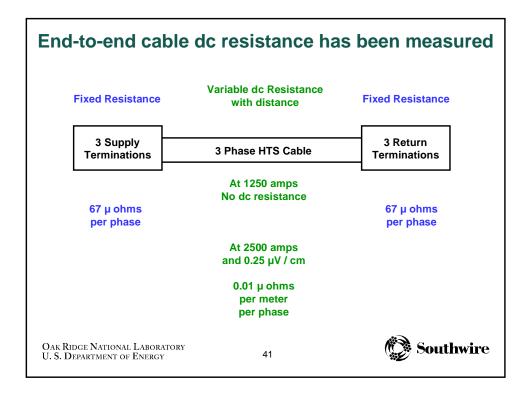
Measured and Calculated Capacitance				
<u>Capacitance</u> - nF / m				
	Phase 1	Phase 2	Phase 3	
Measured	1.815	1.739	1.265	
Calculated	1.778	1.778	1.207	
Difference	2.1%	-2.2%	4.8%	
Inductance - nH / m				
Calculated	Phase 1 31.4	Phase 2 31.4	Phase 3 38.2	
Above values result in surge impedance for 30-m cable of about 4 ohms.				
Oak Ridge National Laboratory U.S. Department of Energy 36			Southwing	

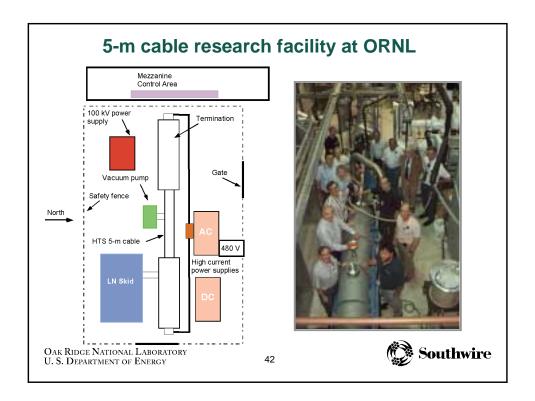




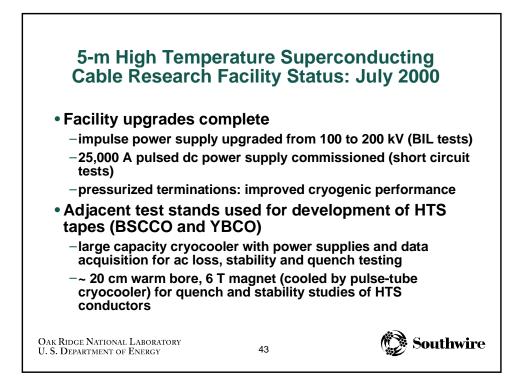


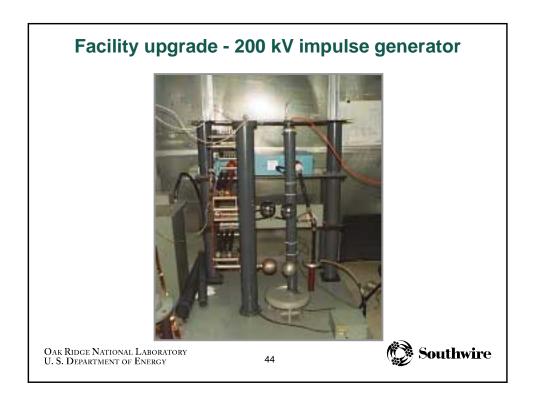


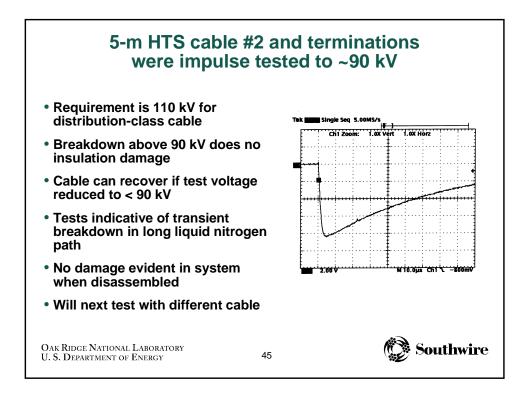


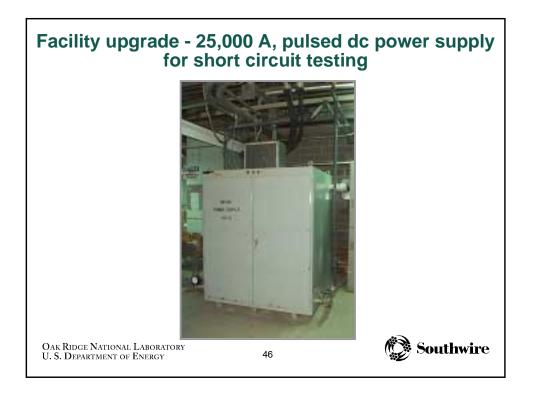


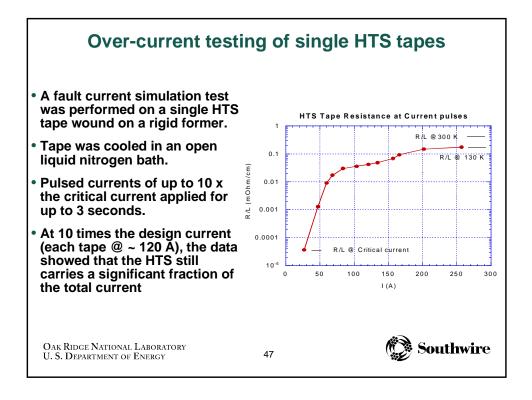
A Superconductivity Partnership Initiative (SPI) Project

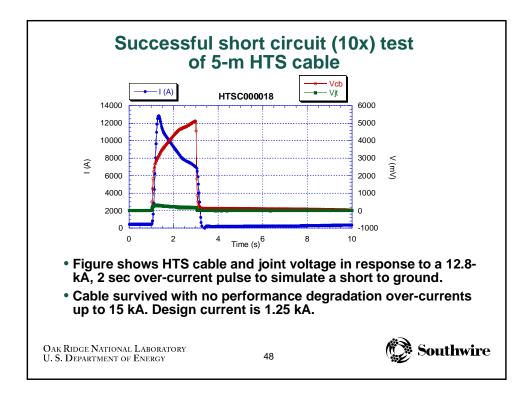


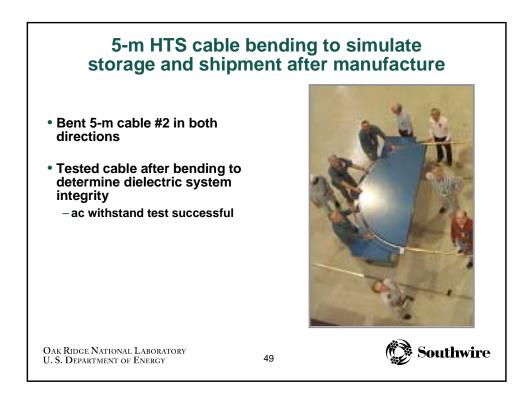


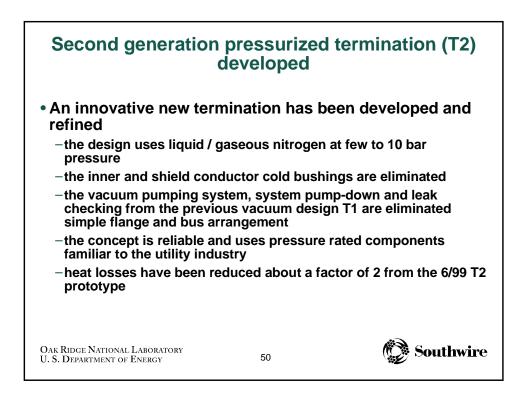


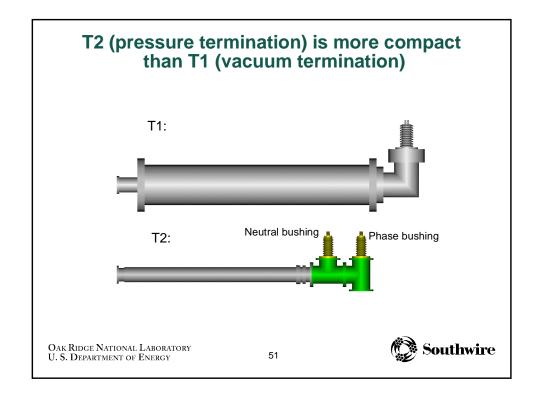


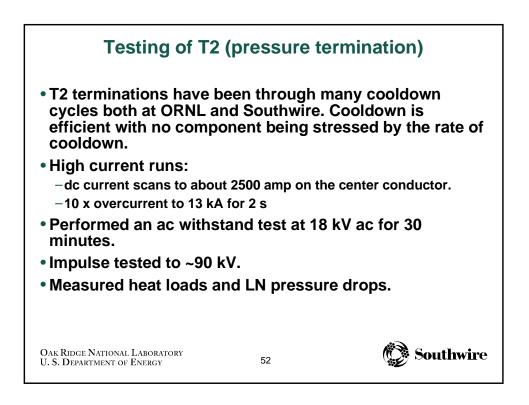


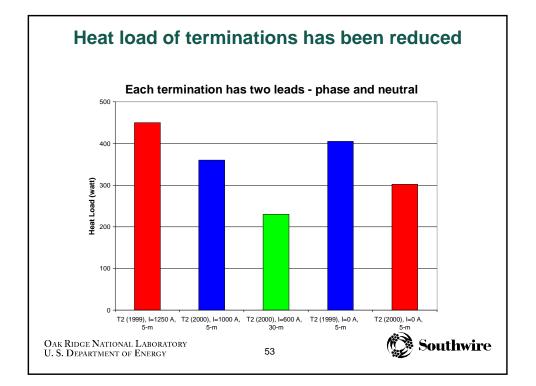


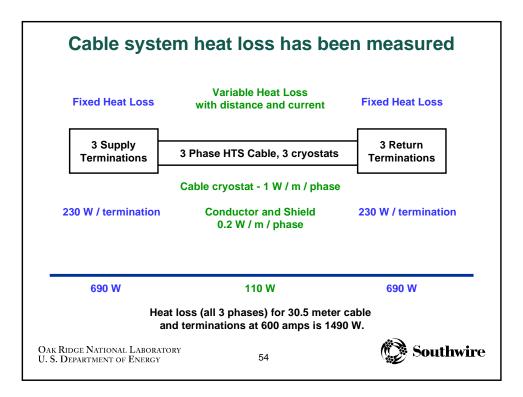


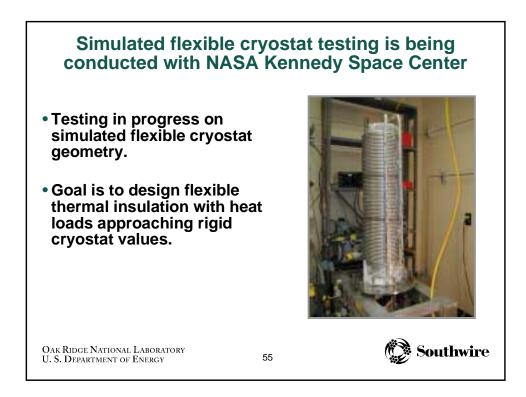


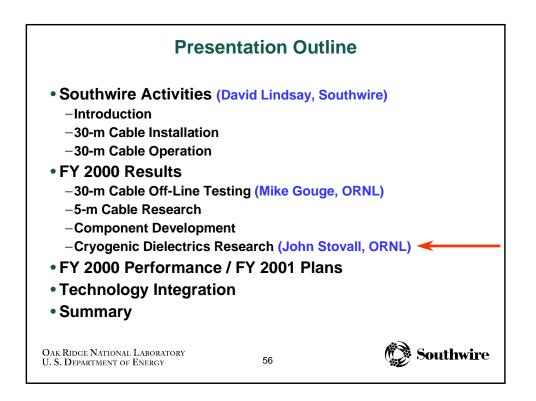


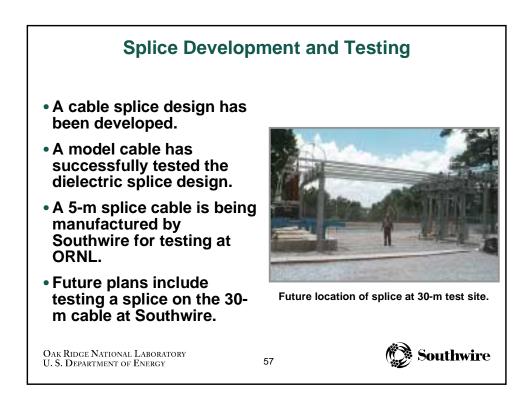


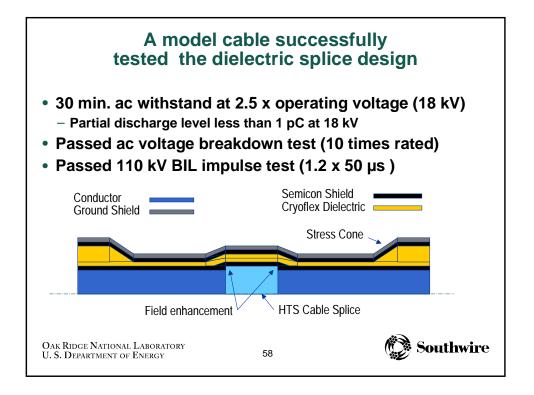


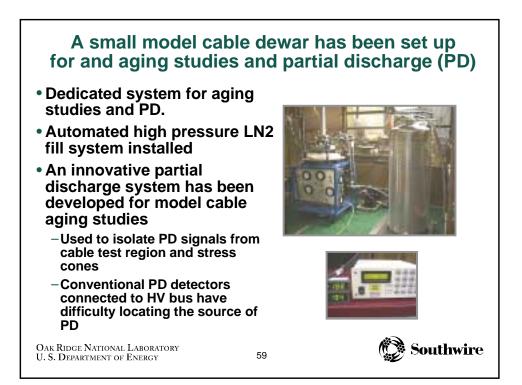


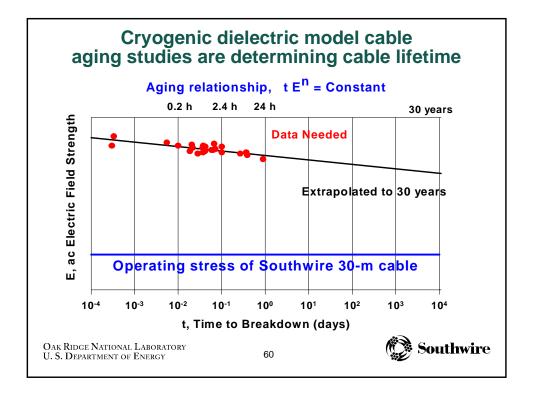


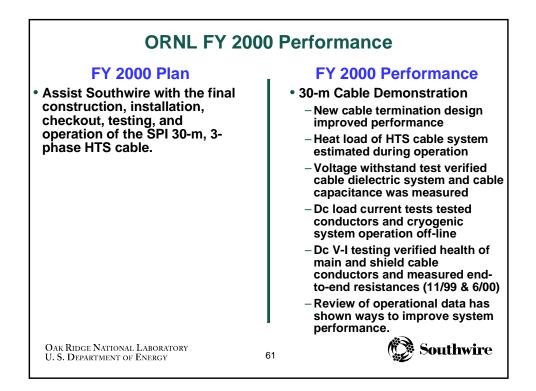












ORNL FY 2000 Performance			
FY 2000 Plan	FY 2000 Performance		
<ul> <li>Conduct cable bending and short circuit tests on the 5-m cables.</li> </ul>	<ul> <li>Bent 5-m cable and tested dielectric - passed</li> <li>Successful short-circuit tests of 5-m cable, no degradation at 15 kA</li> <li>Impulse tested cable #2 and the terminations</li> </ul>		
<ul> <li>Continue cryogenic dielectric aging tests.</li> </ul>	<ul> <li>Measurements suggest dielectric "n" value is in acceptable range</li> <li>30-m cable operating electric stress is very conservative</li> </ul>		
Oak Ridge National Laboratory U. S. Department of Energy	62 Southwire		

