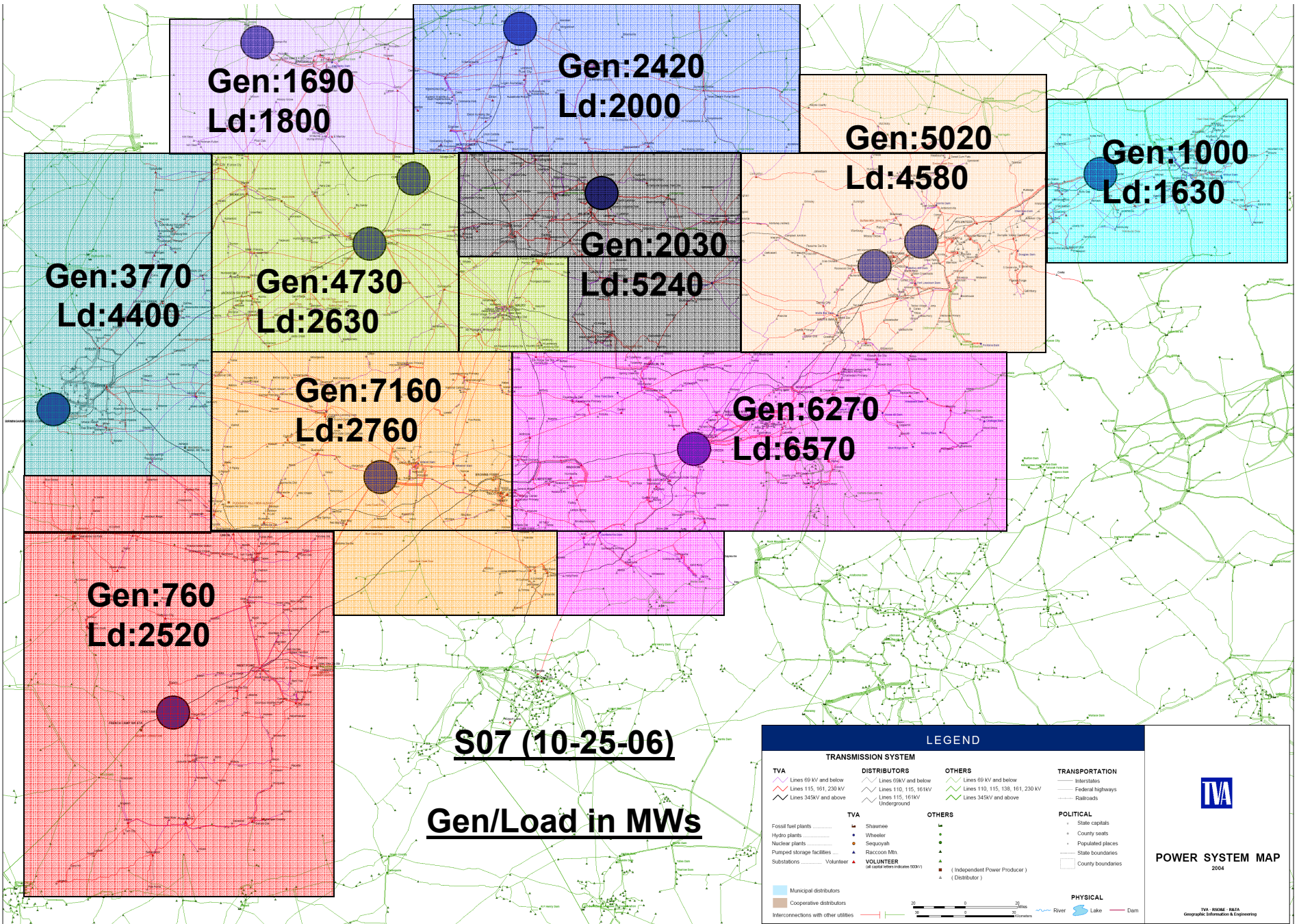


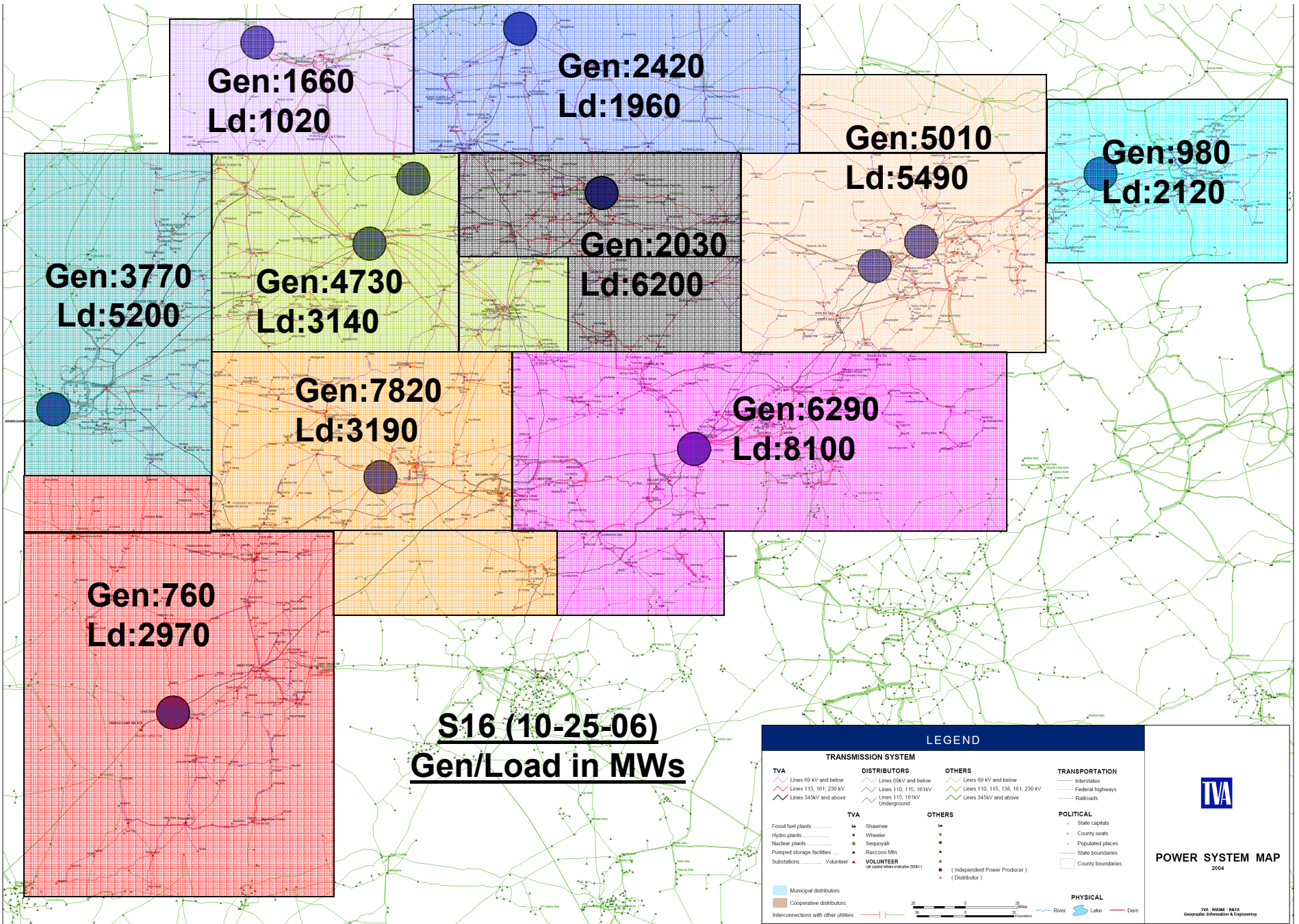
# Transmission Update

Presented to the TVA  
5th Annual Transmission Customer & Power  
Marketers' Meeting  
Nashville, Tennessee  
May 3, 2007

# New Bulk Power System Indicators

- Currently being developed for multiple use
- Screening tool for resource siting & transmission service costs
- Internal measure of system strength
- Upstream indicator of future capital expenditures
- Caveat: the following slides use outdated assumptions & are only for illustration





**LEGEND**

<b>TRANSMISSION SYSTEM</b>		<b>OTHERS</b>	<b>TRANSPORTATION</b>
<b>TVA</b>	<b>DISTRIBUTORS</b>	<b>OTHERS</b>	<b>TRANSPORTATION</b>
<ul style="list-style-type: none"> <li>Lines 69 kV and below</li> <li>Lines 115, 161, 230 kV</li> <li>Lines 345kV and above</li> </ul>	<ul style="list-style-type: none"> <li>Lines 69kV and below</li> <li>Lines 110, 115, 161kV</li> <li>Lines 110, 115, 138, 161, 230 kV</li> <li>Lines 115, 161kV Underground</li> </ul>	<ul style="list-style-type: none"> <li>Lines 69 kV and below</li> <li>Lines 110, 115, 138, 161, 230 kV</li> <li>Lines 345kV and above</li> </ul>	<ul style="list-style-type: none"> <li>Interstates</li> <li>Federal highways</li> <li>Railroads</li> </ul>
<ul style="list-style-type: none"> <li>Fossil fuel plants</li> <li>Hydro plants</li> <li>Nuclear plants</li> <li>Pumped storage facilities</li> <li>Substations</li> </ul>	<ul style="list-style-type: none"> <li>Shamrock</li> <li>Wheeler</li> <li>Sequoyah</li> <li>Raccoon Mtn.</li> <li>Volunteer</li> <li><b>VOLUNTEER</b> (Independent Power Producer)</li> </ul>	<ul style="list-style-type: none"> <li>Lines 69 kV and below</li> <li>Lines 110, 115, 138, 161, 230 kV</li> <li>Lines 345kV and above</li> <li>(Independent Power Producer)</li> <li>(Distributor)</li> </ul>	<ul style="list-style-type: none"> <li>State capitals</li> <li>County seats</li> <li>Populated places</li> <li>State boundaries</li> <li>County boundaries</li> </ul>
<ul style="list-style-type: none"> <li>Municipal distributors</li> <li>Cooperative distributors</li> <li>Interconnections with other utilities</li> </ul>			<ul style="list-style-type: none"> <li><b>POLITICAL</b></li> <li><b>PHYSICAL</b></li> </ul>

TVA - BETA  
Geographic Information & Engineering

**POWER SYSTEM MAP**  
2004

# Questions/Comments/Suggestions

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