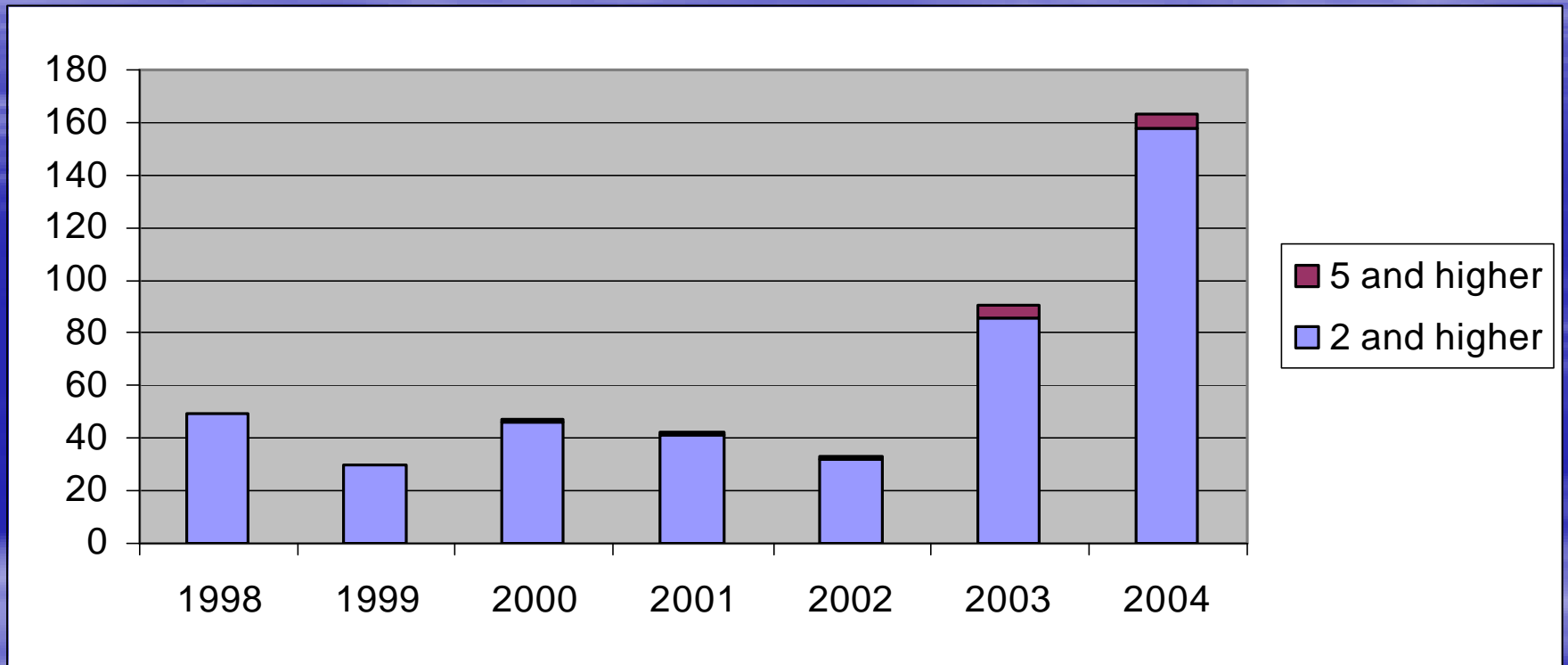


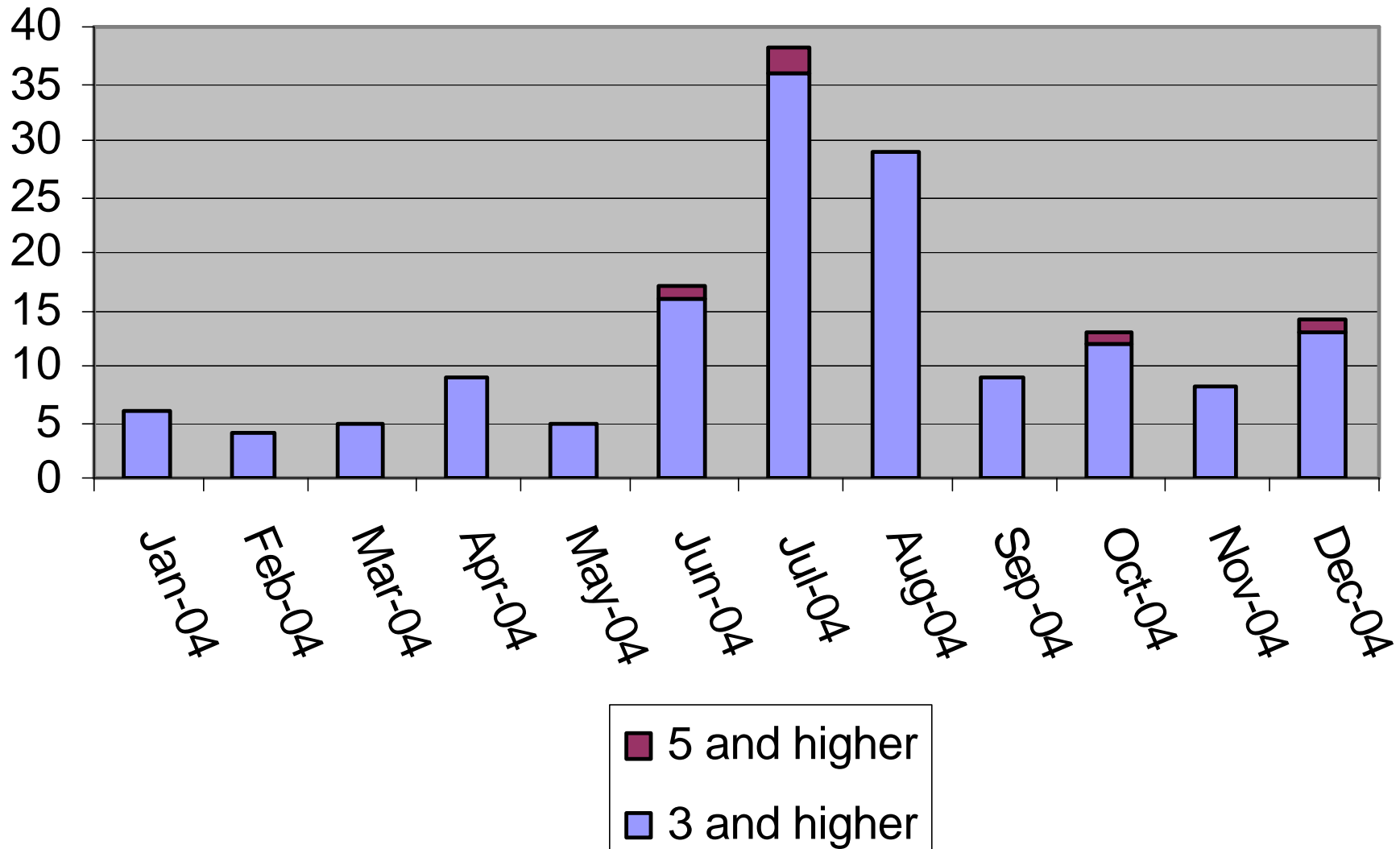
Energy Reliability Coordinator Update

Bill Aycok
Manager
Energy Transmission Security
Coordination

Energy TLRs (2 and higher) by Year



Energy TLRs (3 and higher) by month



TLRs on Entergy Flowgates January 2004-December 2004

- Richard-Colonial Academy FG#1349

	2003	2004
– Level 1:	32	58
– Level 3A:	8	7
– Level 3B:	2	3
– Level 4:	17	55
– Level 5A:	2	3
– Level 5B:	2	1

- Also includes:

- Scott-Bonin FTLO Richard-Habetz
- Richard-Colonial FTLO Richard-North Crowley

TLRs on Entergy Flowgates January 2004-December 2004

- Wilbert-Livonia FTLO Webre-Richard
FG#1347
 - Level 1: 8
 - Level 4: 7

TLRs on Entergy Flowgates January 2004-December 2004

- Terrebonne-Greenwood 115 kV for the loss of Webre-Richard 500 kV FG#1309
 - Level 1: 23
 - Level 3A: 5
 - Level 3B: 1
 - Level 4: 10

TLRs on Entergy Flowgates

January 2004-December 2004

- Sheridan-El Dorado Flowgates
 - Level 1: 78
 - Level 3A: 24
 - Level 3B: 11
 - Level 4: 3
- Includes:
 - Mabelvale-Sheridan FTLO White Bluff-Sheridan
 - White Bluff-Sheridan FTLO Mabelvale-Sheridan
 - Sheridan-El Dorado FTLO Sheridan-Magnet Cove
 - El Dorado 500/345 FTLO Valiant-Lydia
 - Magnolia South-Shuler FTLO Sheridan-El Dorado

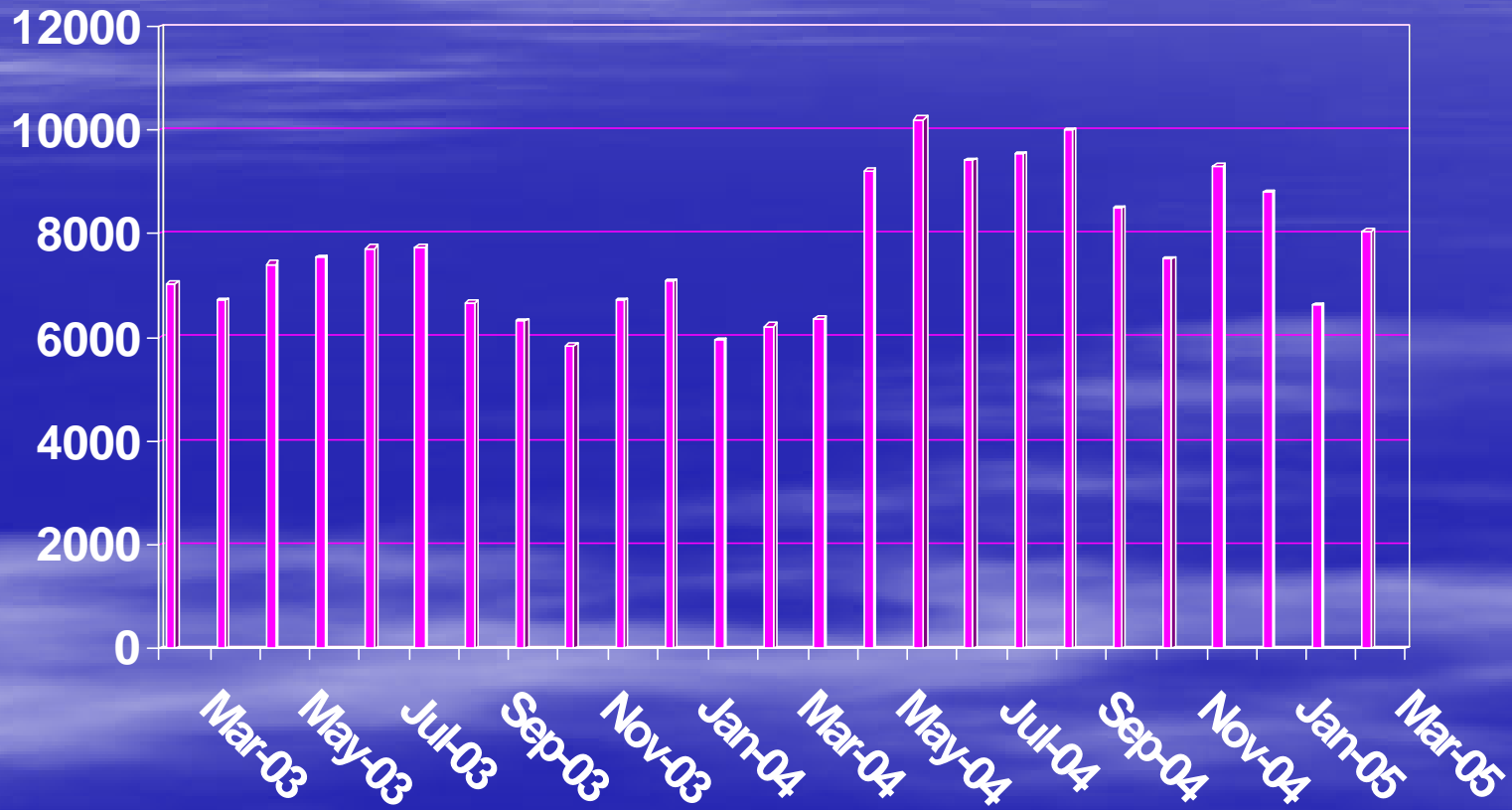
TLRs on Entergy Flowgates January 2004-December 2004

- McAdams 500/230 FTLO McAdams-Lakeover FG #1330
 - Level 1: 7
 - Level 3A: 10
 - Level 3B: 3
 - Level 4: 3
 - Level 5A: 1

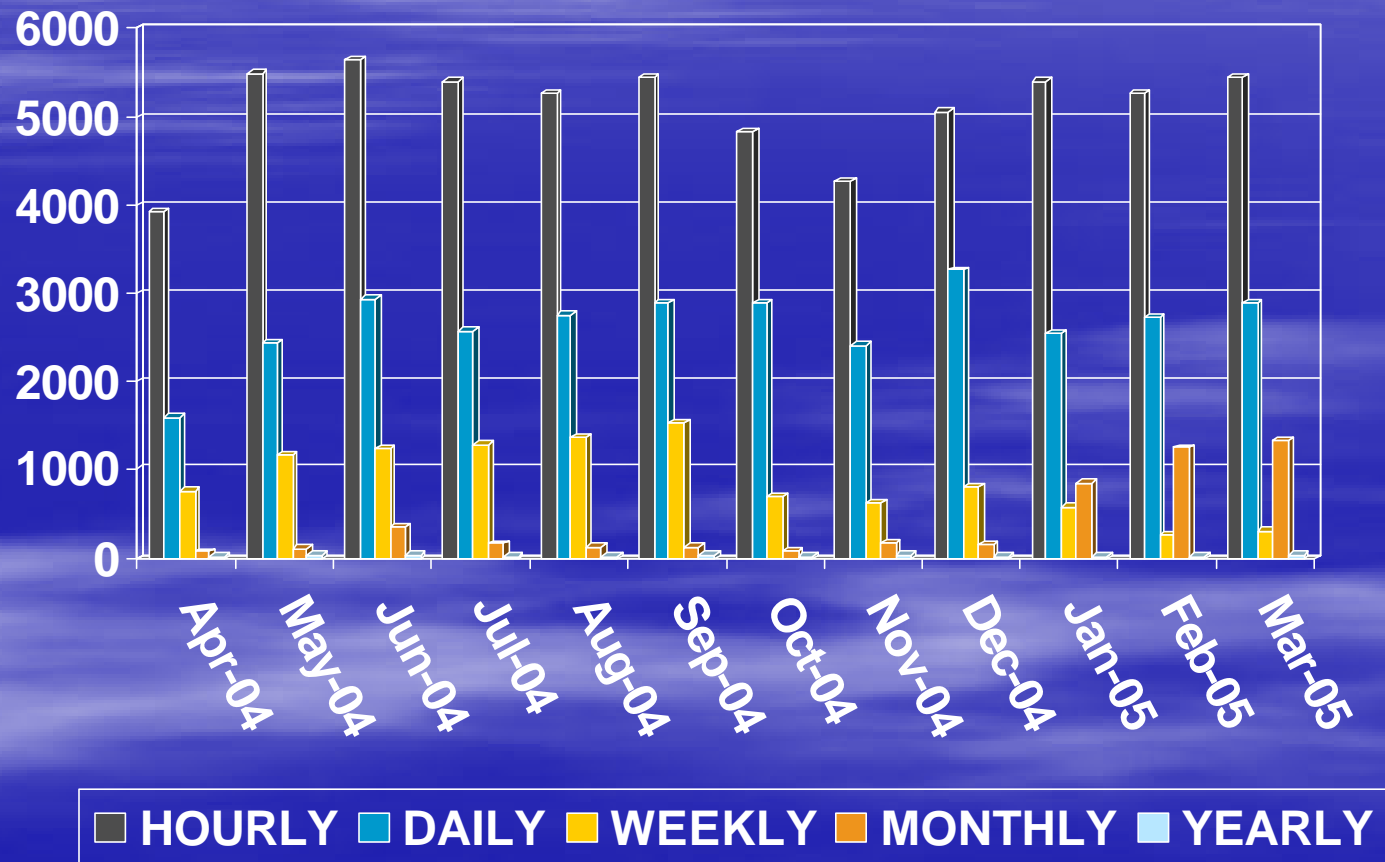
TLRs on Entergy Flowgates January 2004-December 2004

- All Other Entergy Flowgates
 - Level 1: 14
 - Level 3A: 1
 - Level 4: 6
- Includes:
 - Sterlington 500/230 #1 FTLO Sterlington 500/230 #2
 - Couch-Lewisville FTLO El Dorado-Longwood
 - Ray Braswell 500/230 FTLO Ray Braswell-Lakeover
 - Batesville-Marks FTLO Batesville-Enid
 - Coly-Vignes FTLO Willow Glen-Waterford
 - Hayti-Blytheville FTLO New Madrid-Dell
 - Georgetown-Helbig FTLO Sabine-China
 - Conway-Bagatelle FTLO Willow Glen-Waterford

Transmission Requests by Month



Transmission Requests by Service Type



Entergy 3% TLR Curtailment Trial

- Three month trial May 15 through August 15
- Patterned after Alliant West Trial
- Three Flowgates
 - Richard – Colonial Adademy 138 kV FTLO Richard – Scott 138 kV
 - Hot Springs – Bismark 115 kV FTLO El Dorado – Longwood 345 kV
 - Harrison East – Summit 161 kV FTLO Bull Shoals – Lead Hill 161 kV
- After all non-firm schedules (flowgate impact of 5% or greater) are curtailed, non-firm schedules with a flowgate impact of 3% or greater will be curtailed.
- Report to NERC after trial is concluded

Real-time Voltage Stability Analysis

- EMS Based Package is installed
- Augments State Estimator capabilities and anticipates potential voltage collapse events
- Online in June
- Part of NERC post August 14 push for real time analysis tools to improve system operators “situational awareness”

Powerworld

- Another tool to improve system operator situational awareness
- Tremendous graphics capability enabling presentation of a large amount of transmission system information
- Will enable operators to monitor a large area and quickly locate problem areas on the Entergy transmission system

Any Questions?