System Planning Report

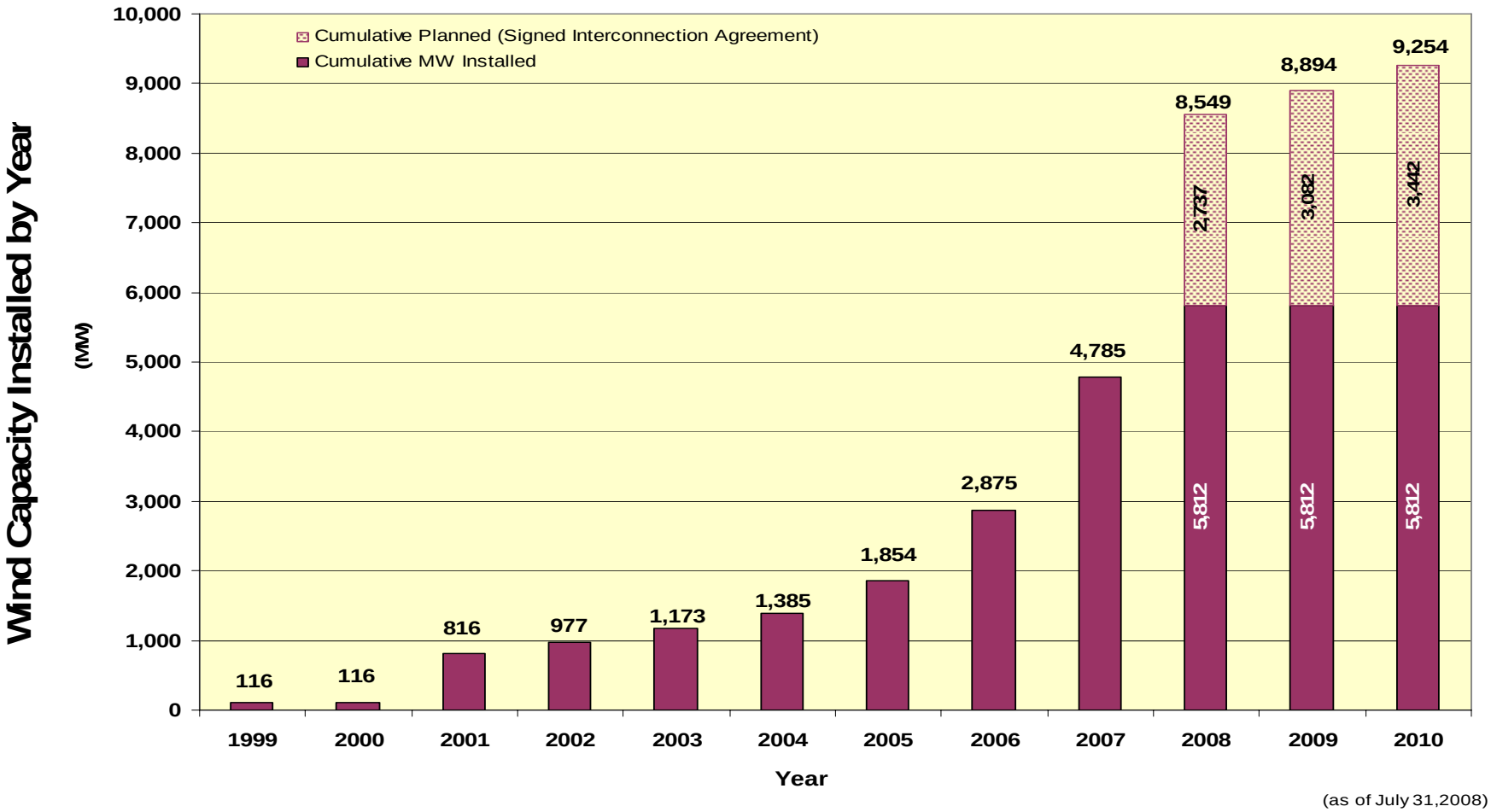
ERCOT Board of Directors
19 August 2008

Bill Bojorquez
Vice President - System Planning

Planning Activities - Summary

- **ERCOT is currently tracking 243 active generation interconnect requests totaling about 104,000 MW. This includes almost 52,000 MW of wind generation**
- **New Interconnect Agreements signed:**
  - Barney Davis Re-powering (09INR0038) in Nueces County for 360 MW
  - Nueces Bay Re-powering (09INR0039) In Nueces County for 327 MW
- **293 MW of New Wind Generation began commercial operations, bringing total installed wind capacity to 5,812 MW**
- **282 MW of Wind Generation with interconnect agreements were cancelled by the developers**
- **Regional Planning is reviewing proposed transmission improvements with a total cost of $608 Million**
- **Transmission Projects approved in 2008 to date total $182 Million**
- **All projects (in engineering, routing, licensing and construction) total $3.8 Billion**
- **Transmission Projects completed through July 2008 total $375 Million**
- **Oncor's Renner Dynamic Reactive Project for Board review this month**

ERCOT Wind Capacity



(as of July 31,2008)

Modification to CREs

- **After the implementation of PRR764 ERCOT was requested to review the 2008 CREs to determine the effectiveness of each Closely Related Element (CRE) in resolving zonal congestion.**
- **The results of ERCOT's review of CREs related to S->N / N->S and N->H have been shared with the Congestion Management WG and endorsed by WMS.**
- **Based on its analysis, ERCOT recommended that the following lines no longer be considered CREs:**

CSC	Element
S_N & N_S	SANDOW1_8_ELGIN_SS__8_138_Line
S_N & N_S	SANDOW1_8_SALTY_P_8_138_Line
S_N & N_S	ROGERS1A_8_SANDOW1_8_138_Line
N_H	L_WALLER8_1Y_L_PRAIVI8_1Y_138_Line

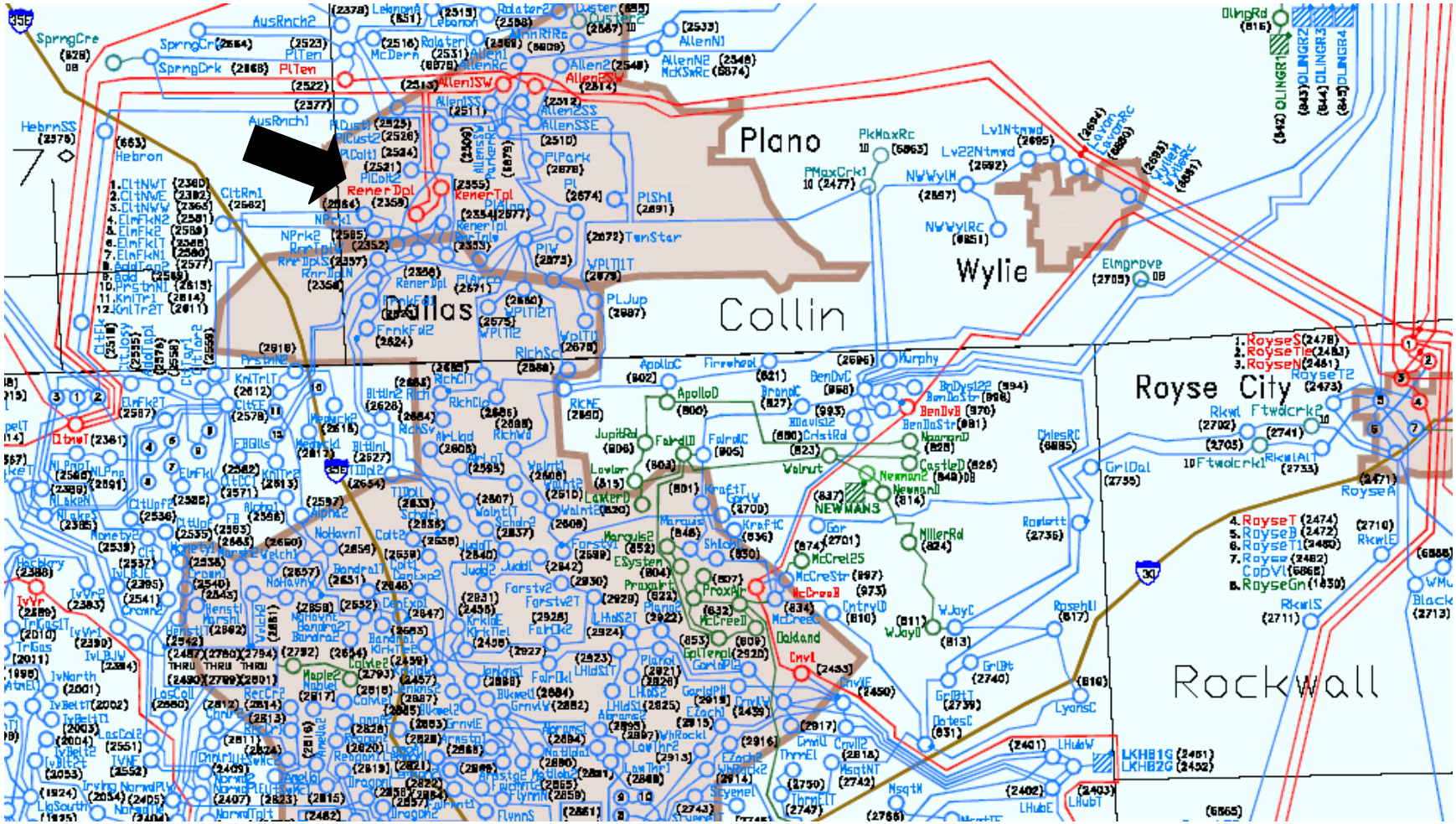
- **TAC approved this recommendation on August 7, 2008.**
- **Modifications were effective August 12, 2008.**

Oncor’s Renner Dynamic Reactive Project

Description of Project

- **300 MVAr of dynamic reactive capability**
- **Renner Station identified as a suitable site**
- **Proposed capability in service by summer 2010**
- **Estimated cost : $35 M**

Location of Project



- **Under Voltage Load Shedding (UVLS) Schemes Trip Over 2400 MW of Firm Load without Project:**
  - *2010 peak load conditions*
  - *All expected DFW area generation in service*
  - *600 MVAr SVC assumed in service at Parkdale*
  - *NERC category C contingency*

- **300 MVAr Dynamic Reactive Device at Renner**
  - *Addresses increasing need for dynamic reactive support in the DFW area*
  - *Mitigates identified actuation of UVLS*
  - *Provides some locational diversity of DFW area dynamic reactive resources along with the Parkdale SVC*

Review Process

- **RPG Comment Period**
  - May 2, 2008 through May 23, 2008
  - No dissenting comments submitted
- **TAC voted in support**
- **ERCOT supports the need for the project**

QUESTIONS?