



April 17, 2006 EECP Event

- **Going into April 17**
 - Peak load forecast – 49,018 MW
 - Peak capacity scheduled – 53,920 MW
 - Capacity on planned outage – 14,000 MW
- **Hour ending 3:00 pm demand was 50,265 MW**
- **At 3:25 pm EECF Step 1 was declared**
 - All balancing bids and regulation being used
 - Spinning reserve deployed
 - Difficulty maintaining 60 Hz
 - Asked for all capacity available to be brought on line and generating
 - Scheduled emergency assistance over the DC ties

*all numbers are preliminary

Sequence of Events (cont.)

- **At 3:34 pm EECP Step 2 declared**
 - Continued low frequency with all balancing and regulation deployed
 - Deployed all LaaRs (interruptible loads providing Responsive Reserve – 1,150 MW)
 - Frequency recovered to 60 Hz
- **Hour ending 4:00 pm load was 51,714 MW**
- **Shortly after 4:00 pm several units tripped within a few minutes of each other ~1,200 MW total**
 - Frequency went below 59.8 HZ

*all numbers are preliminary



Sequence of Events (cont.)

- **At 4:13 pm EECF Step 4 declared**
 - Ordered 1,000 MW firm load shedding
 - Allocated to Transmission Operators on a load ratio share basis
 - Rotated among customers
- **At 4:25 pm Step 3 of the EECF (Public Appeal for Conservation) was issued**
 - Frequency recovered but balancing and regulation continued to be fully used until about 5:30 pm
- **At 5:31 pm ERCOT started reducing firm load curtailments**

*all numbers are preliminary



Sequence of Events (cont.)

- **At 6:10 pm all firm load restored**
- **At 6:21 pm started restoring LaaRs (interruptible) load)**
- **EECP fully cancelled at 7:20 pm**

*all numbers are preliminary



April 18 Preparation

- **Planning for a peak load of 53,575 MW**
- **Expecting 58,100 MW of generation to be available scheduled by QSEs and procured by ERCOT**

*all numbers are preliminary