LaaR Response During April 17th EECP Event

Mark Patterson and Steve Krein
ERCOT Demand Side Team

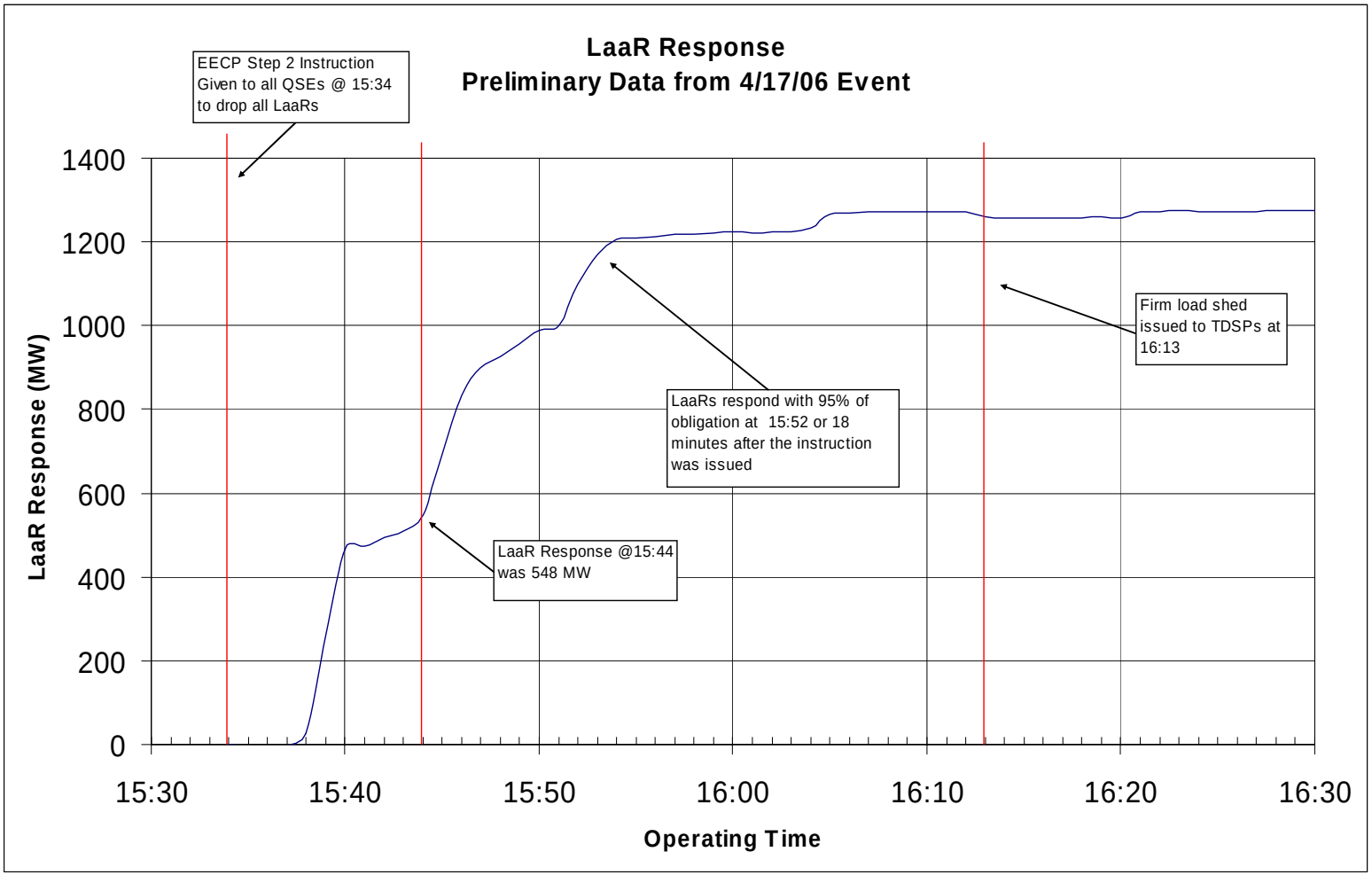
DSWG Meeting

May 5, 2006

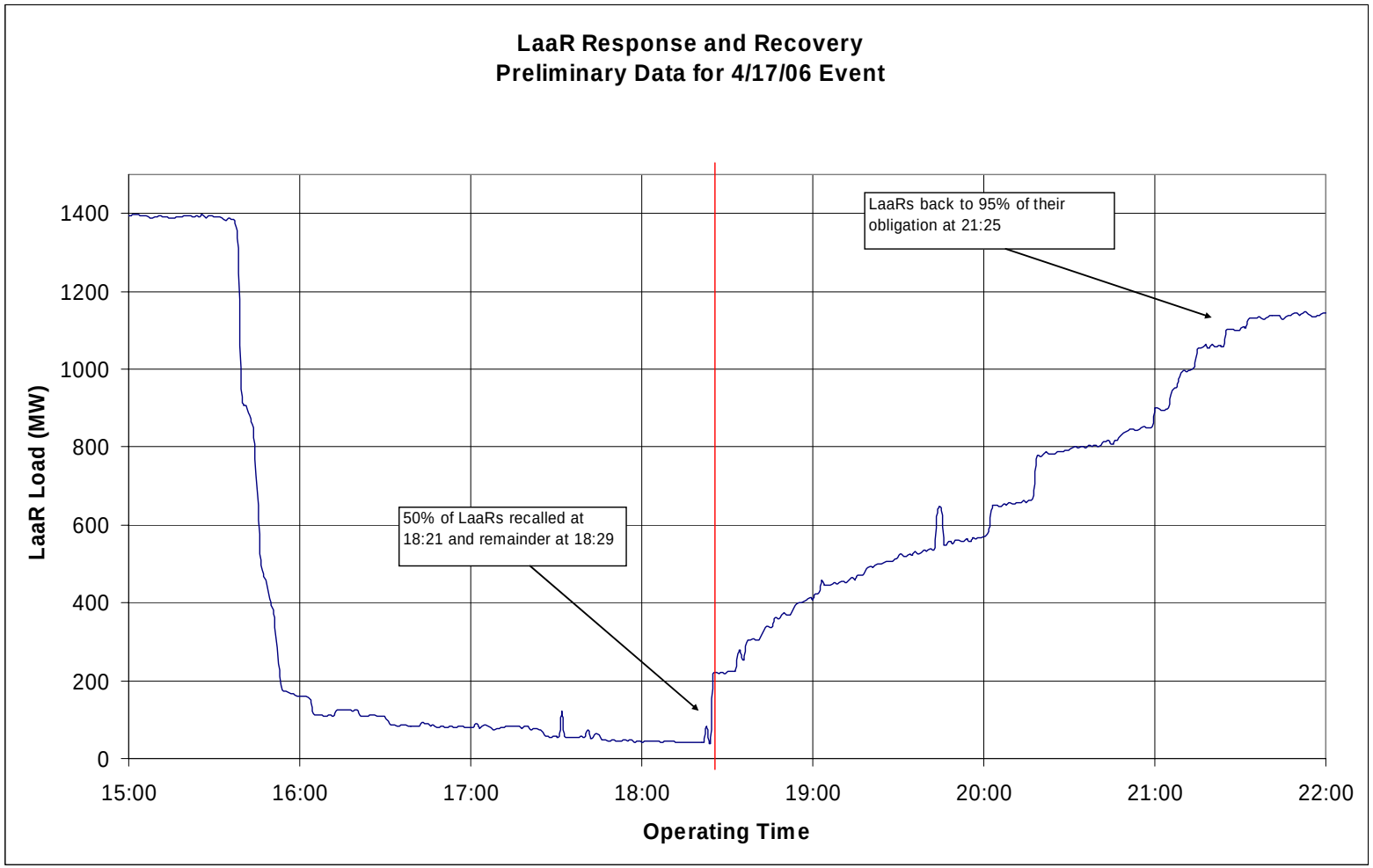
LaaR Response During April 17th EECP Event

- **EECP Timeline and LaaR Response Summary**
  - ERCOT Declares EECP Step 1 @ 15:25
  - ERCOT Declares EECP Step 2 @ 15:34 - Hot Line Call to all QSE's to Deploy All LaaRs
  - First LaaRs respond at 15:38
  - 10 Minutes after Instruction Issued about 548 MW of LaaR Response
  - LaaR Response reaches 95% of obligation at 15:52
  - At around 16:00 ERCOT loses about 1200 MW of Generation thru 4 units
  - ERCOT Declares EECP Step 4 @16:13 and Initiates Firm Load Shed
  - Firm Load Recalled at 17:31 and completed by 16:10
  - 50% of LaaRs recalled at 18:21 and balance at 18:29
  - LaaRs recover to 95% of obligation capacity at 21:25

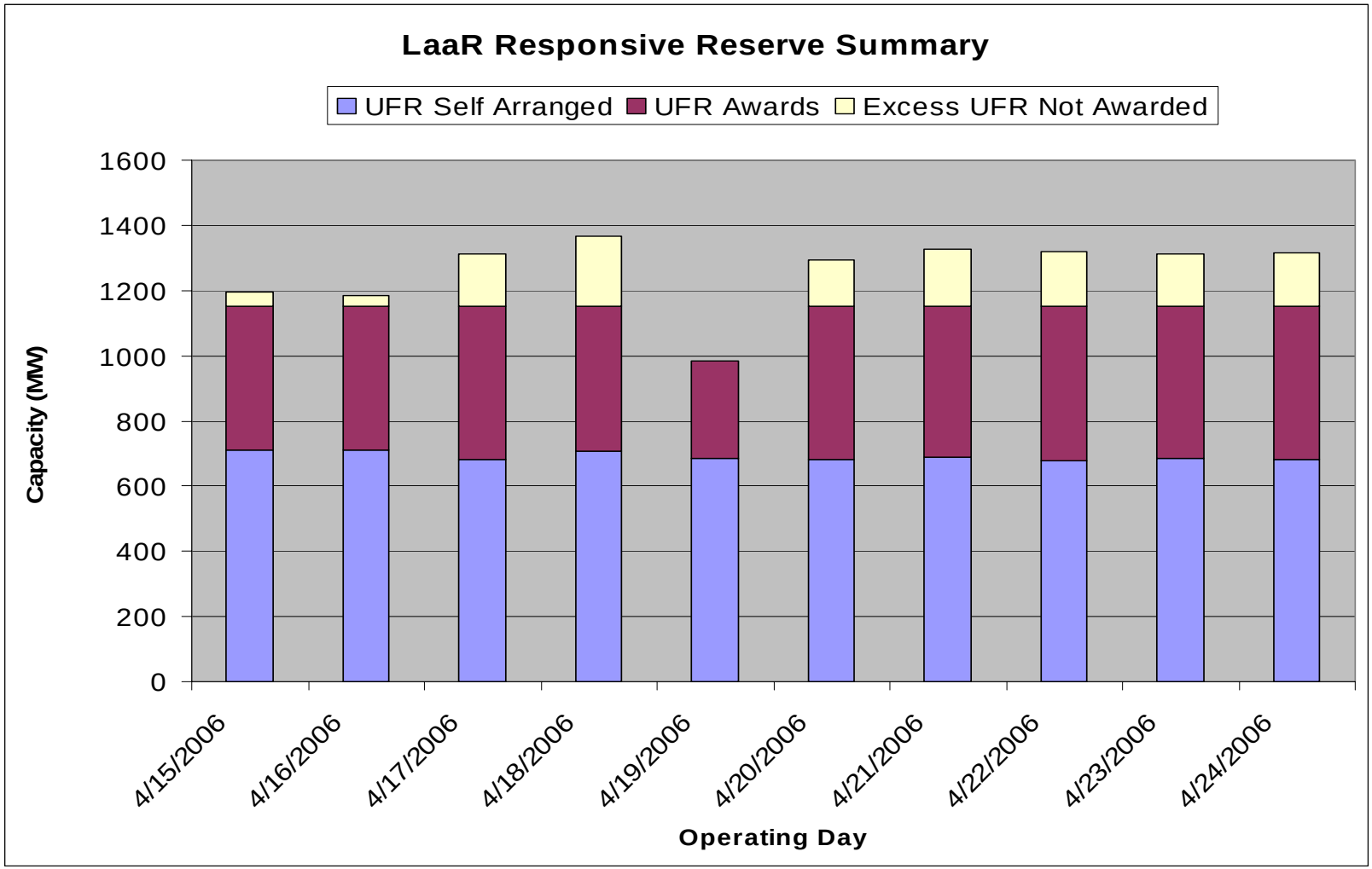
LaaR Response During April 17th EECP Event



LaaR Response During April 17th EECP Event



LaaR Response During April 17th EECP Event



LaaR Response During April 17th EECP Event

- **Initial Investigation Looking Primarily at QSE Portfolios**
- **9 QSE's Active in the Market on 4/17**
- **Initial Portfolio Response sent to QSE's**
- **Questions sent to any QSE that did not appear to comply with the ERCOT Operator's Instructions**
  - Did your response meet your obligation?
  - Did you respond within the 10 minute requirement?
  - Did you maintain your response during the entire deployment period?
  - Did you get back to your committed level within 3 hours of the recall notice?
  - Did any individual LaaR come back on line during the deployment period?
  - What Corrective Action have you taken since the event
- **Responses received from all QSE's—additional analysis still on-going**

LaaR Response During April 17th EECP Event

- **QSE Discussion Points**
  - Manual deployment issues
  - Timeliness
  - Recovery
  - Compliance
  - Bidding Behavior
  - Periodic Testing
  - Corrective Action

- **LaaR Discussion Points**
  - Manual deployment issues
  - Timeliness
  - Length of Interruption and site specific need to switch loads off/on to protect equipment
  - Recovery
  - Compliance
  - Corrective Action