

Generation Dispatch 101

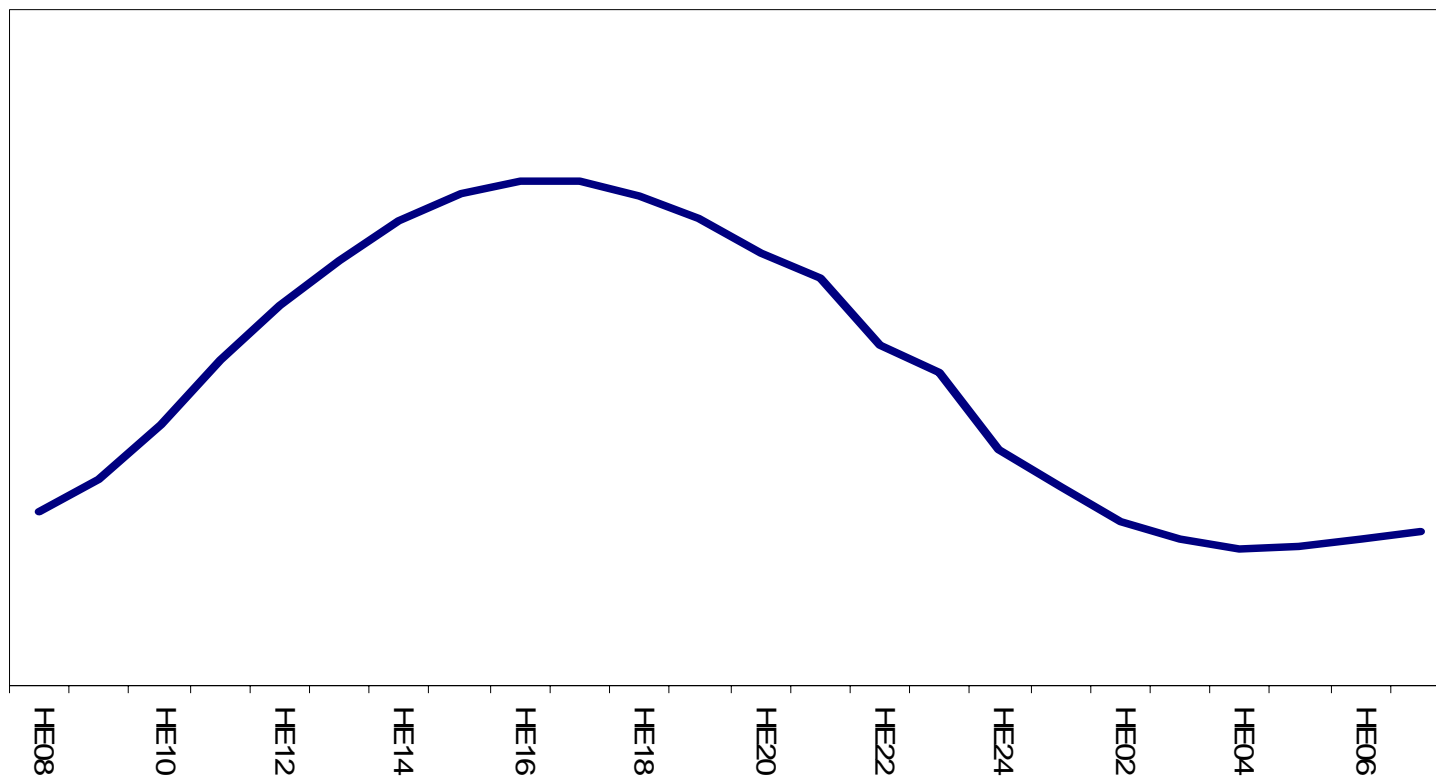
GECTF

Diane McVicker

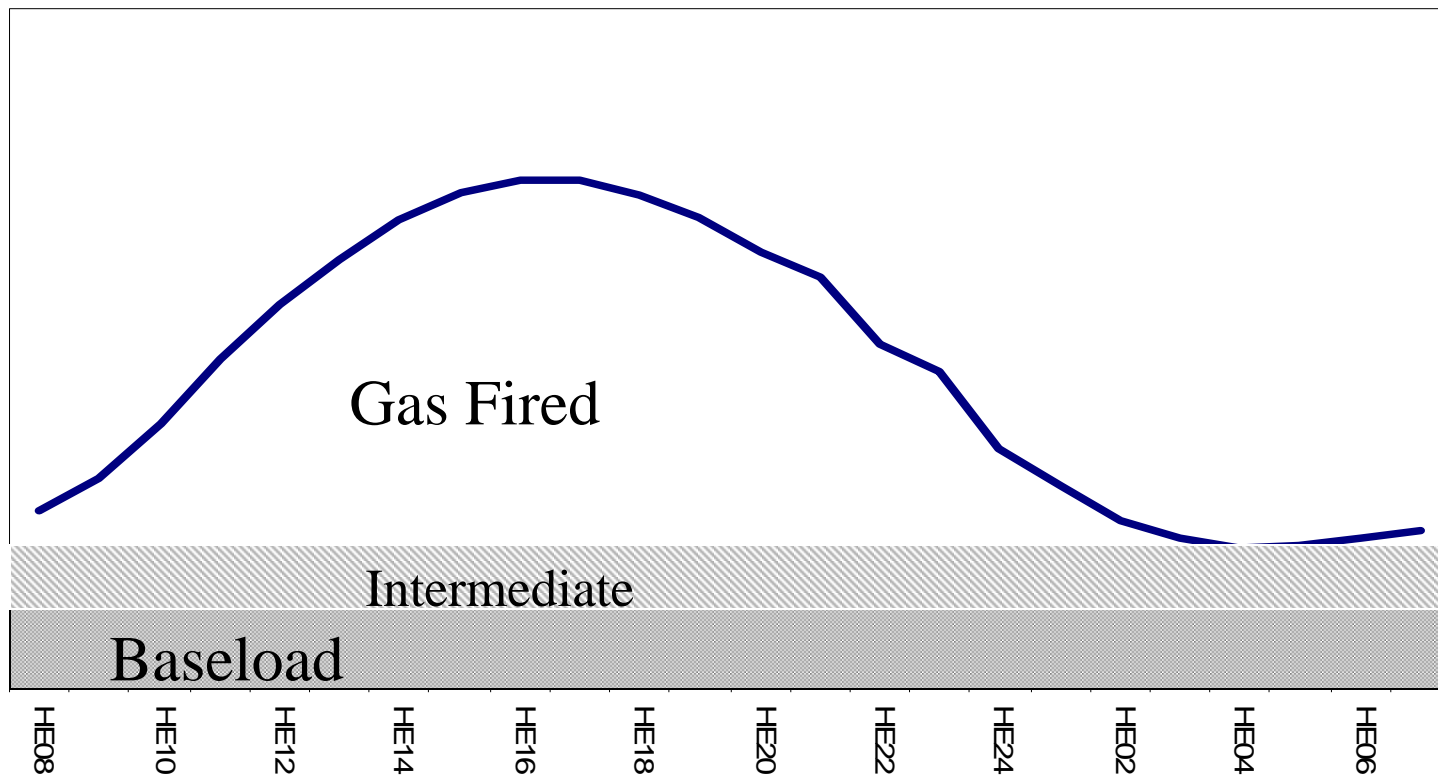
Salt River Project

January 30, 2004

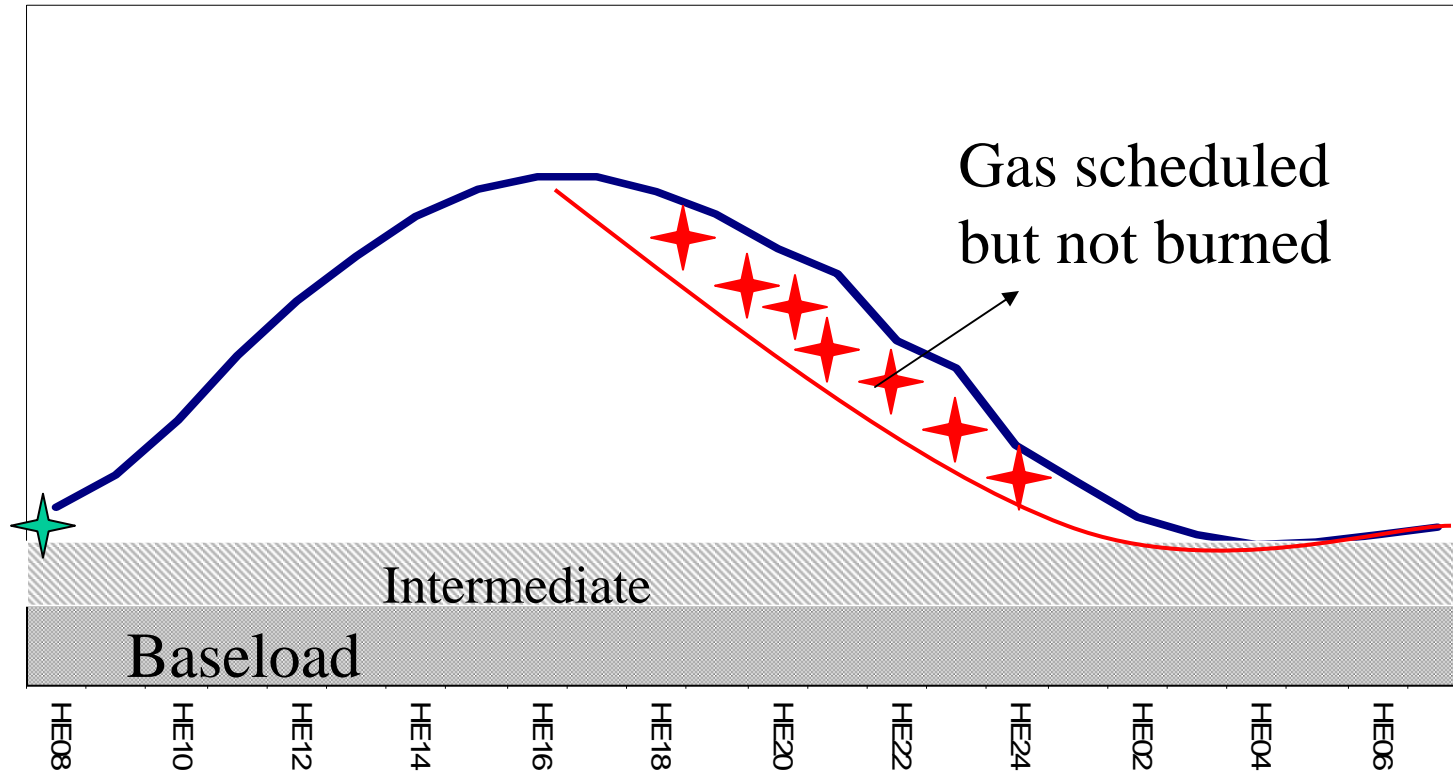
Load Forecast Summer, Day Ahead





Dispatch Order Day Ahead Plan

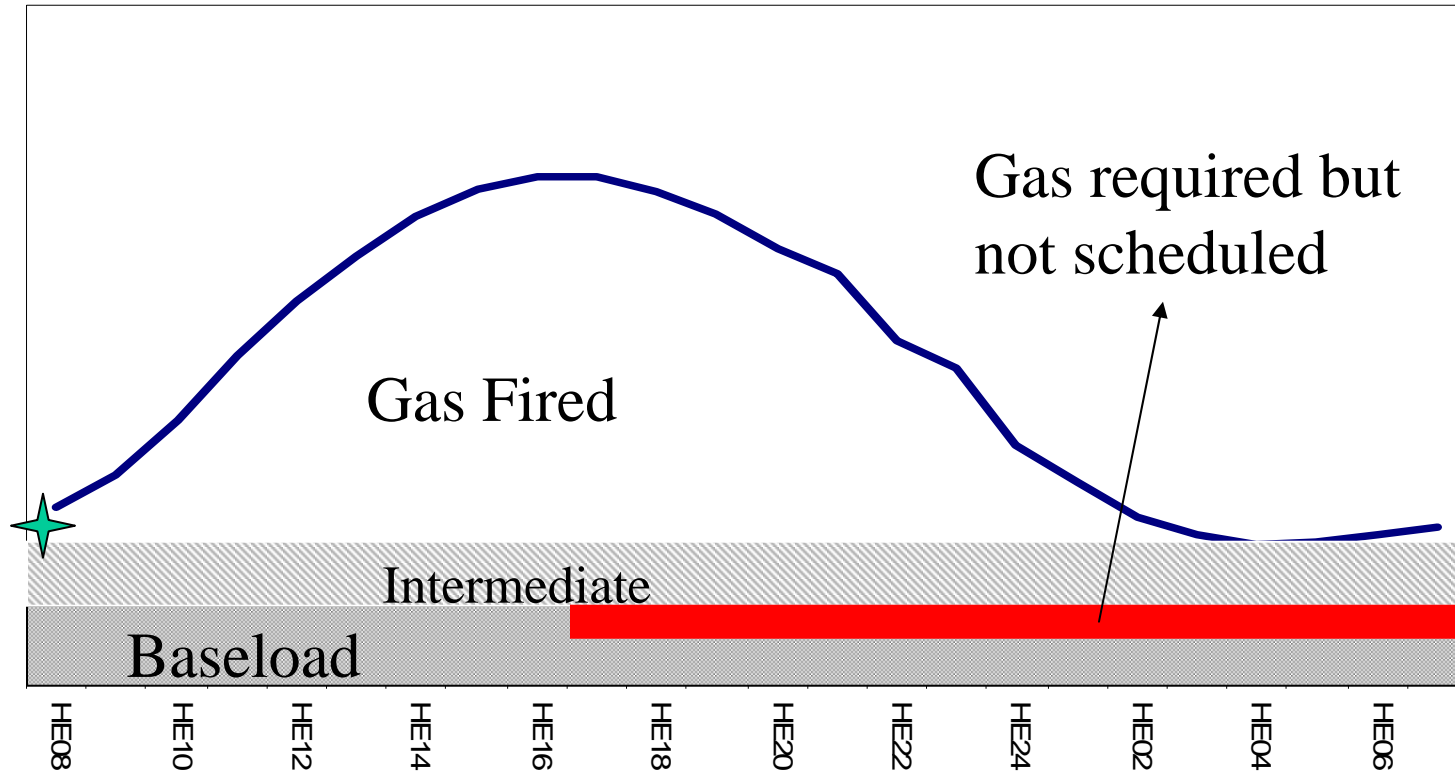


Changes Due to Loss of Load



-  Schedulers compare daily load projection with day ahead and make adjustments as necessary using intraday nomination cycles.
-  Loss of load requires schedulers to try to divert gas to other markets or storage

Changes Due to Increase in Load



Schedulers compare daily load projection with day ahead and make adjustments as necessary using intraday nomination cycles.



For increases in load, schedulers try to divert gas from other markets or storage; usually requires adjustments to next day gas schedules

Important Concepts

- Electric utilities have 10 minutes to match generation to load
- Gas fired generation is usually the resource used to match sudden changes in load, at least in the short term
 - Shortest lead time to “come on line”
 - Other resources are already at maximum load