

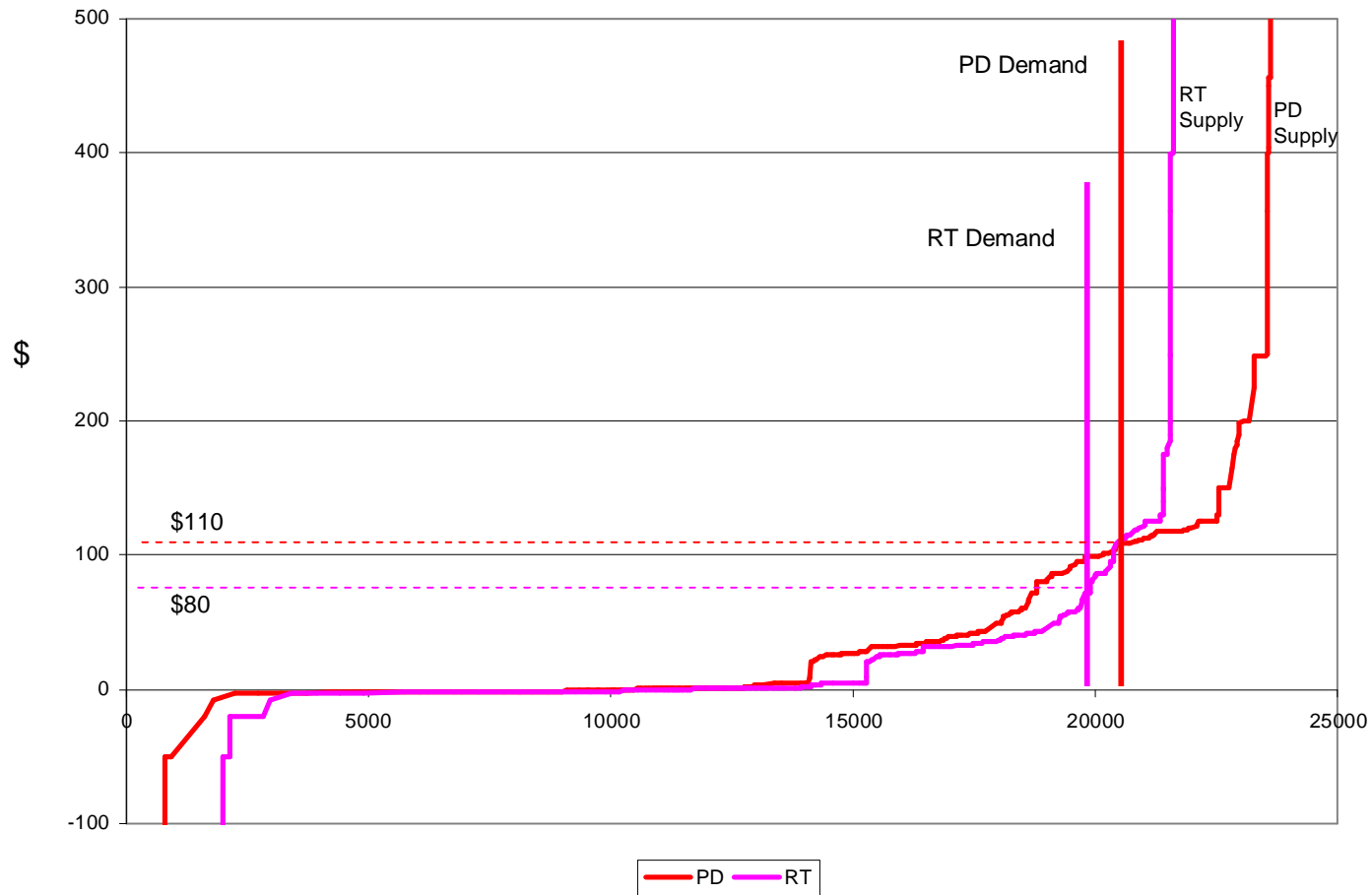
Intertie Setting Price Simulation

Market Pricing Working Group
September 9, 2005

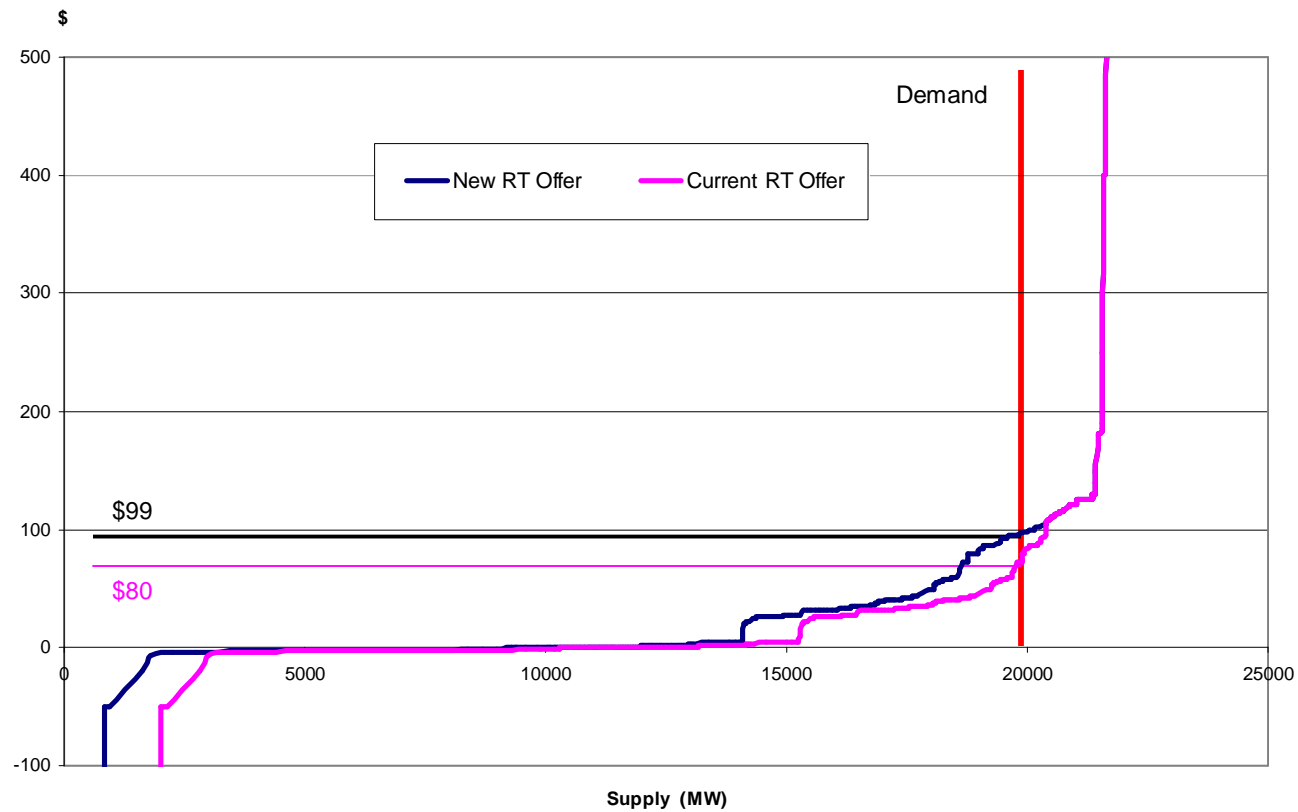


- **Issue was originally raised as one of the contributors to the PD – RT price difference**
- **Original market design calls for only RT dispatchable resources to set price**
 - Interties are only dispatchable in PD timeframe and not in RT, therefore can't set price
 - Same rationale as “plant at limit” cannot set price

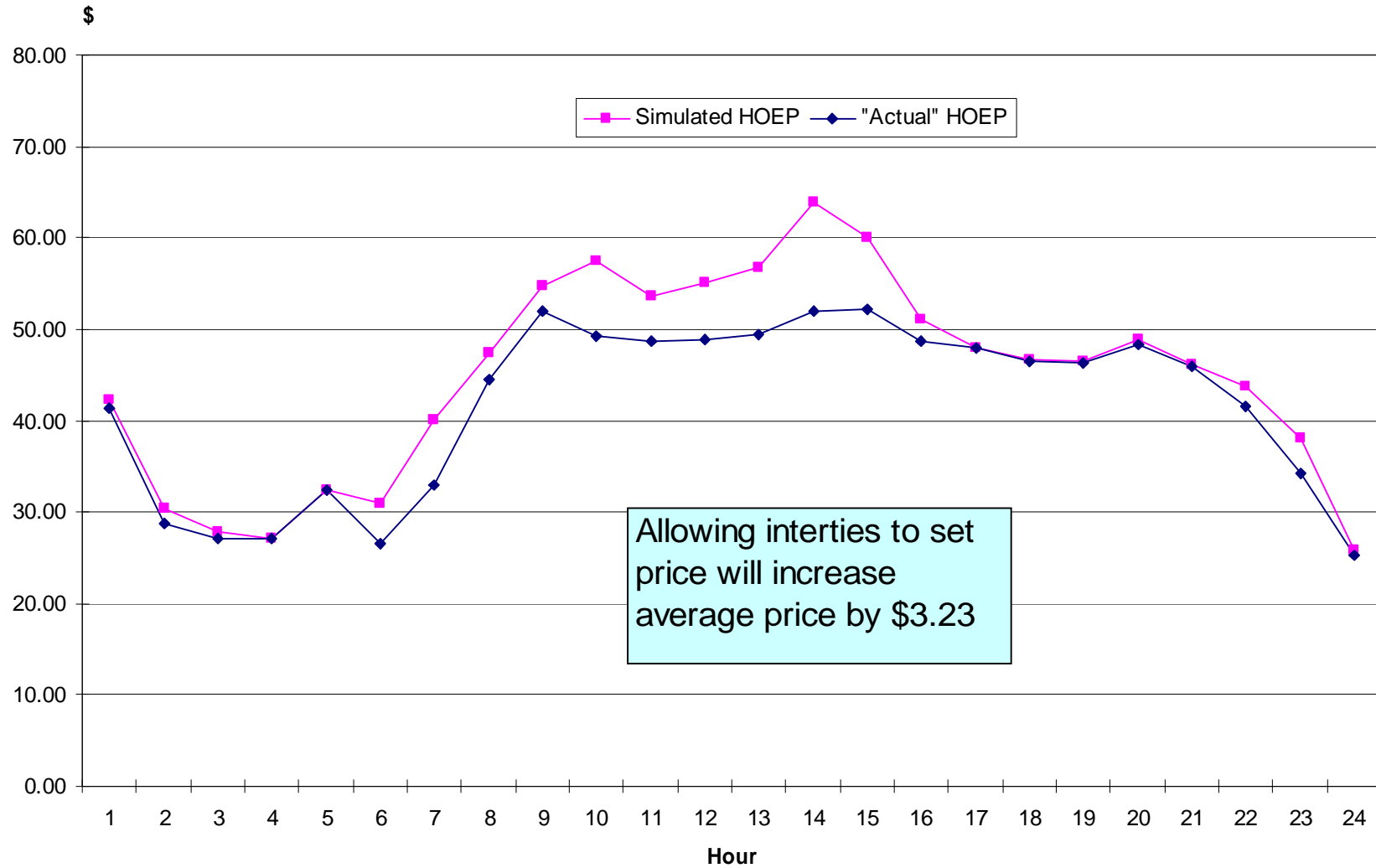
Pre-dispatch and Real Time Offer Curve - Present Formulation

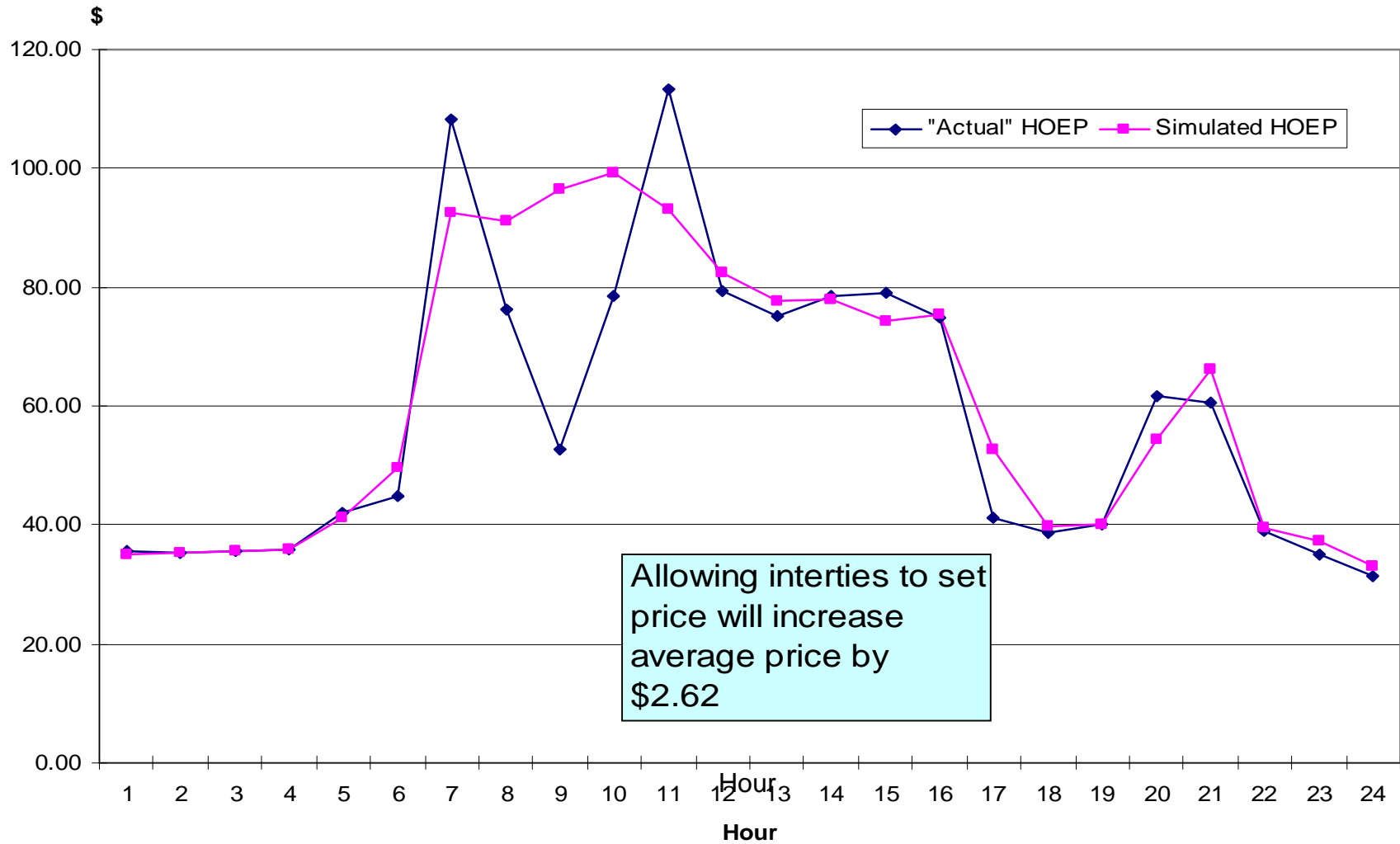


RT Offer Curve Comparison: Proposed Vs. Present

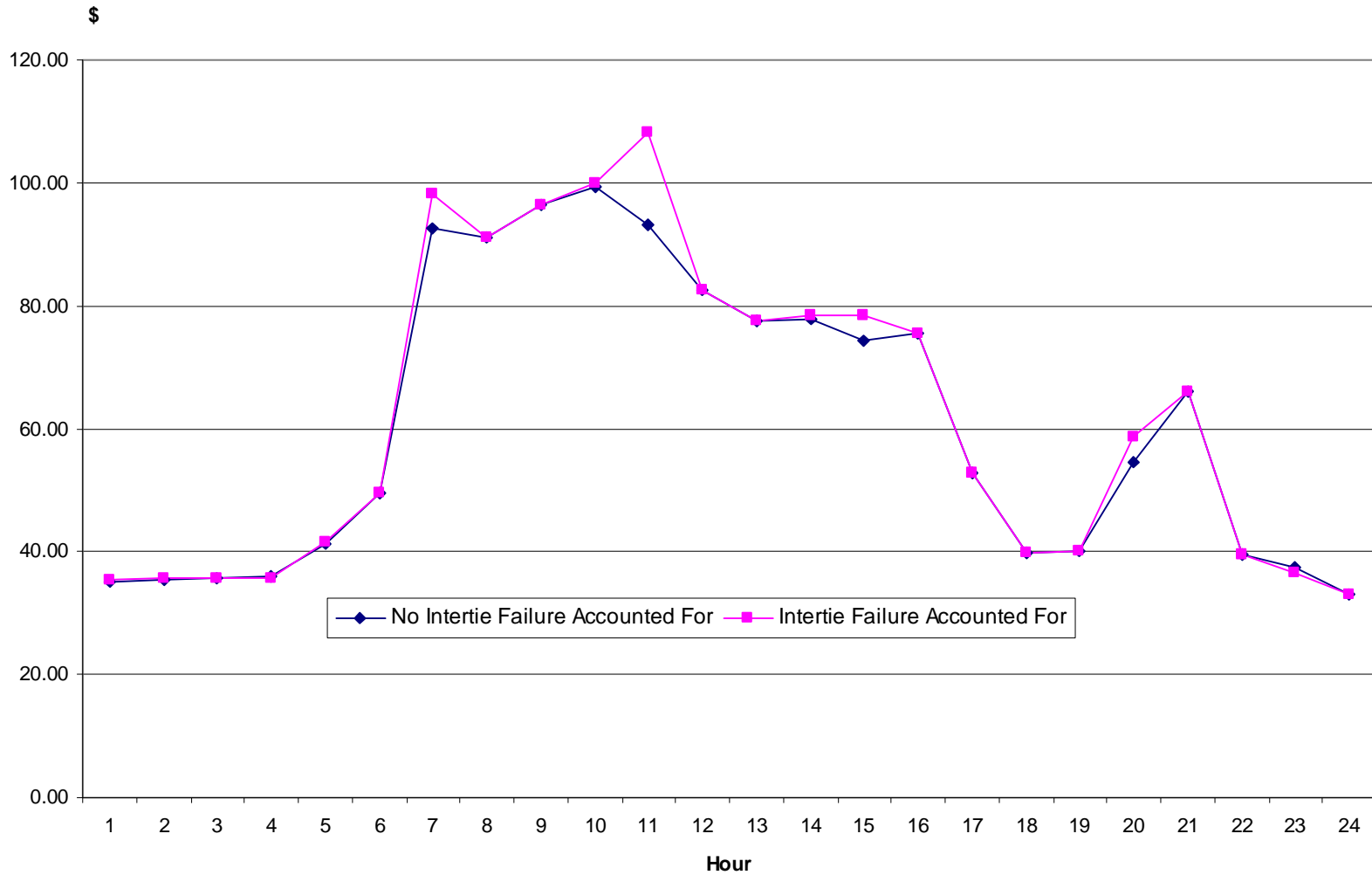


- **Simulation Background:**
 - Same inputs (SS, DL and generators) in both cases except Import/Export,
 - Exports are treated in the same way as dispatchable load.
 - This Import/Export treatment is only possible in the unconstrained.
 - Scenario 1: dispatched Import/Export in PD sequence are used (no transaction failure taken into account)
 - Scenario 2: RT dispatched Import/Export are used (transaction failures taken into account)









- **Scenario 1**
 - Little price difference in off-peak hours
 - Large difference in peak hours, sensitive to the nature of transaction failure.
 - Ignoring Import failure leads to lower simulated price
 - Ignoring Export failure leads to higher simulated price
- **Scenario 2**
 - Little or no difference in off peak hours
 - Simulated prices are closer to actual real-time price

- **These initial simulations indicate higher prices**
 - Simulator can be used to gather more data
- **Other factors affected by this change may also have price impacts**
 - IOG
 - Bid/offer behaviour