



Reliability Pricing Model Training EFORd in RPM

RPM Training – Appendix C
February 2012

EFORd = Equivalent Forced Outage Rate

- The EFORd used in determining the UCAP value of a unit excludes events Outside Management Control (OMC).
- **AUCTIONS**
 - A Seller can specify an EFORd associated with an offer into an RPM Auction. This “sell offer” EFORd will be used in determining the UCAP value offered into the auction.
 - In the Third Incremental Auction, the final EFORd that is effective for the DY must be used in the sell offer.
- **DELIVERY YEAR**
 - The EFORd applicable in determining the final UCAP value in the Delivery Year will be based on 12 months outage data ending on September 30 prior to the Delivery Year.
- **EFFECTIVE**
 - An Effective EFORd is used in the calculation of generation resource position, Available ICAP and in bilateral unit-specific transactions for Cleared MWs.

	Based On	Application
EFORd_{Sell Offer}	<p>EFORd value submitted by participant in BRA, 1st IA, or 2nd IA.</p> <p>$EFORd_{\text{Sell Offer}} \leq \text{lesser of } (EFORd_{\text{BRA}}, EFORd_{5\text{yr-BRA}})$</p>	<p>Used in determining UCAP Offered for BRA, 1st IA, or 2nd IA.</p> <p>$UCAP \text{ Offered} = ICAP \text{ Offered} * (1 - EFORd_{\text{Sell Offer}})$</p>
EFORd_{BRA}	Forced outage data for 12 month ending Sept. 30 prior to the BRA	Used in calculating the maximum allowable EFORd_{Sell Offer} in the BRA, 1 st , 2 nd IAs
EFORd_{5 yr-BRA}	Forced outage data for the 5 years ending Sept. 30 prior to BRA	Used in calculating the maximum allowable EFORd_{Sell Offer} in the BRA, 1 st , 2 nd IAs
EFORd_{Final}	Forced outage data for 12 month ending Sept. 30 prior to the DY	<p>Used in determining the UCAP offered in 3rd IA and final UCAP value of a resource during the DY .</p> <p>$UCAP \text{ Offered}_{3\text{rd IA}} = ICAP \text{ Offered} * (1 - EFORd_{\text{Final}})$</p>
Effective EFORd	<p>Prior to DY, the most recently bridged EFORd (based on forced outage data for 12 month ending Sept. 30) to the eRPM system.</p> <p>During the DY, Effective EFORd = $EFORd_{\text{Final}}$.</p>	Used in the calculation of generation resource position, Daily Available ICAP, and in bilateral transactions for Cleared MWs.

	Based On	Application
EFORd _{5 yr}	Forced outage data for the 5 years ending Sept. 30 prior to an RPM Auction	Used in calculating the ICAP limit for the EFORd Offer Segment. (Effective only for auctions conducted prior to March 27, 2009)
EFORd _{1 yr}	Forced outage data for the 12 months ending Sept. 30 prior to an RPM Auction	Used in calculating the ICAP limit for the EFORd Offer Segment. (Effective only for auctions conducted prior to March 27, 2009)
EFORd-5	Forced outage data for the 5 years ending Sept. 30 prior to the DY	Used in calculating the Target Unforced Capacity (TCAP) for Peak-Hour Period Availability.

