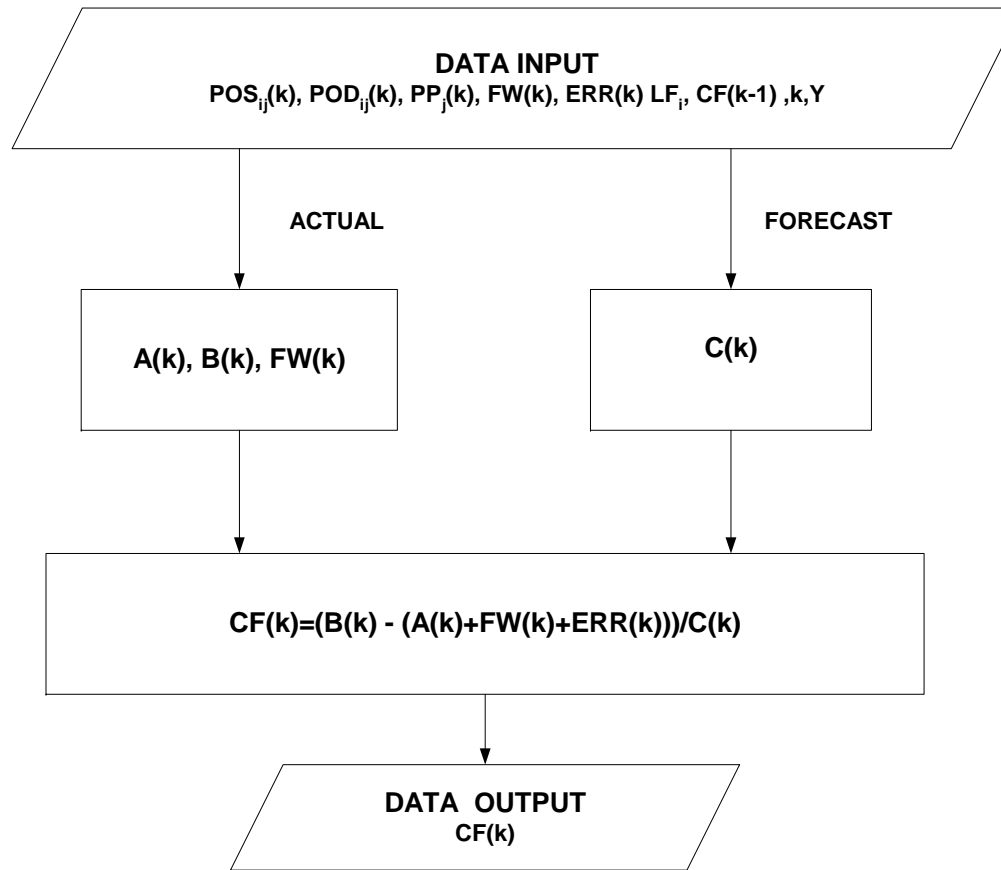


CALIBRATION FACTOR CALCULATION FLOW CHART



July 20, 2005

Released to Stakeholders, August 10, 2005

DEFINITIONS OF THE SYMBOLS

SYMBOLS	DESCRIPTION
A(k) (\$)	<p style="text-align: center;">CALCULATED LOSSES</p> $ \begin{aligned} & n_s \quad h_{\text{Jan.-Mar., Y-1}} \\ A(1) = & \sum_{i=1} \sum_{j=1} \text{POS}_{ij}(1) \times \text{PP}_j(1) \times (\text{LF}_i + \text{CF}(1)) \\ & + \sum_{i=1} \sum_{j=1} \text{POS}_{ij}(1) \times \text{PP}_j(1) \times (\text{LF}_i + \text{CF}(2)) \\ & + \sum_{i=1} \sum_{j=1} \text{POS}_{ij}(1) \times \text{PP}_j(1) \times (\text{LF}_i + \text{CF}(3)) \\ & + \sum_{i=1} \sum_{j=1} \text{POS}_{ij}(1) \times \text{PP}_j(1) \times (\text{LF}_i + \text{CF}(4)) \\ & n_s \quad h_{\text{Jan., Y}} \\ A(2) = & \sum_{i=1} \sum_{j=1} \text{POS}_{ij}(2) \times \text{PP}_j(2) \times (\text{LF}_i + \text{CF}(1)) \end{aligned} $

	$A(3) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_{\text{Jan.-Mar., Y}}} \text{POS}_{ij}(3) \times \text{PP}_j(3) \times (\text{LF}_i + \text{CF}(1))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{\text{Apr., Y}}} \text{POS}_{ij}(3) \times \text{PP}_j(3) \times (\text{LF}_i + \text{CF}(2))$ $A(4) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_{\text{Jan.-Mar., Y}}} \text{POS}_{ij}(4) \times \text{PP}_j(4) \times (\text{LF}_i + \text{CF}(1))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{\text{Apr.-Jun., Y}}} \text{POS}_{ij}(4) \times \text{PP}_j(4) \times (\text{LF}_i + \text{CF}(2))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{\text{Jul., Y}}} \text{POS}_{ij}(4) \times \text{PP}_j(4) \times (\text{LF}_i + \text{CF}(3))$
B(k) (\$)	<p>ACTUAL LOSSES</p> $B(k) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_A(k)} \text{POS}_{ij}(k) \times \text{PP}_j(k) - \sum_{i=1}^{n_d} \sum_{j=1}^{h_A(k)} \text{POD}_{ij}(k) \times \text{PP}_j(k)$

<p>C(k) (\$)</p>	<p>FORECAST LOSSES</p> $C(k) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_C(k)} POS_{ij}(k) \times PP_j(k) \times LF_i$
<p>FW(k) (MWH)</p>	<p>Previous Year Carry-Forward Losses in the kth Calculation</p> $FW(k) = BB(k) - (AA(k) + ERR(k))$
<p>AA(k) (\$)</p>	$AA(k) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_{Jan.-Mar., Y-1}} POS_{ij}(k) \times PP_j(k) \times (LF_i + CF(1))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{Apr.-Jun., Y-1}} POS_{ij}(k) \times PP_j(k) \times (LF_i + CF(2))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{Jul.-Sept., Y-1}} POS_{ij}(k) \times PP_j(k) \times (LF_i + CF(3))$ $+ \sum_{i=1}^{n_s} \sum_{j=1}^{h_{Oct.-Dec., Y-1}} POS_{ij}(k) \times PP_j(k) \times (LF_i + CF(4))$
<p>BB(k) (\$)</p>	$BB(k) = \sum_{i=1}^{n_s} \sum_{j=1}^{h_{Jan.-Dec., Y-1}} POS_{ij}(k) \times PP_j(k) - \sum_{i=1}^{n_d} \sum_{j=1}^{h_{Jan.-Dec., Y-1}} POD_{ij}(k) \times PP_j(k)$

ERR(k) (\$)	Previous Metering Error in the k th Calculation
POS _{ij} (k) (MWH)	Hourly Energy Volume of Point OF Supply at the i th Measurement Point in the j th hour of the k th Calculation (Gen, ISD, Import)
POD _{ij} (k) (MWH)	Hourly Energy Volume of Point OF Demand at the i th Measurement Point in the j th hour of the k th Calculation (DOS, Export)
PP _j (k) (\$/MWH)	Hourly Pool Price in the j th hour of the k th Calculation
h _T	Hourly number in the time period of T
h _A (k)	Hourly number of the k th calculation (backward) h _A (1) = hourly number from Jan. 1 to Oct. 31 (Y-1) h _A (2) = hourly number from Jan. 1 to Jan. 31 (Y) h _A (3) = hourly number from Jan. 1 to Apr. 30 (Y) h _A (4) = hourly number from Jan. 1 to Jul. 31 (Y)
h _C (k)	Hourly number of the k th calculation (forward) h _C (1) = hourly number from Jan. 1 to Dec. 31 (Y) h _C (2) = hourly number from Apr. 1 to Dec. 31 (Y) h _C (3) = hourly number from Jul. 1 to Dec. 31 (Y) h _C (4) = hourly number from Oct. 1 to Dec. 31 (Y)
CF(k)	Calibration Factor of the k th Calculation

LF_i	Loss Factor at the i^{th} Measurement Point
k	The k^{th} Calculation The 1 st Calculation starts on Nov. 10 th (Y-1) The 2 nd Calculation starts on Feb. 10 th (Y) The 3 rd Calculation starts on May 10 th (Y) The 4 th Calculation starts on Aug. 10 th (Y)
n_s	The total number of the POS
n_d	The total number of the POD
i	The i^{th} Measurement Point
j	The j^{th} hour
Y	Current Year