

November 19, 2004

DRAFT Break-down of Charge Types to support the DAM Implementation

Note: This document is a DRAFT proposal for discussion purposes only.

Row	Category (settlement amount)	Category Sub-Group (if applicable)	Charge Type	Current Charge Type No.	Related Real-time market charge type no.	New Charge Type No.	DAM Impact	Identical Calculation between First and Second Settlement?	DAM Detailed Design Section Reference
TR Auction Settlement									
1	TR Auction Settlement								
2			Transmission Rights Auction Settlement Debit	52	52	52	Unchanged	n/a	n/a
First Settlement Calculations									
1-1	Hourly Physical Transaction Settlement Amount (HPTSA)								
1-2			HPTSA{1} Gen. Facilities and imports	n/a	100/101	TBD	NEW	NO	3.6.4
1-3			HPTSA{1} Pass 2 imports	n/a	100/101	TBD	NEW	NO	3.6.4
1-4			HPTSA{1} Load Facilities	n/a	100/101	TBD	NEW	NO	3.6.4
1-5			HPTSA{1} PBCs component	n/a	100/101	TBD	NEW	NO	3.6.4
1-6	Production Cost Guarantees (PCGs)								
1-7			PCG Gen. Facilities and imports	n/a	n/a	TBD	NEW	YES	3.6.8
1-8			PCG Pass 2 imports	n/a	n/a	TBD	NEW	YES	3.6.8
1-9			PCG Load Facilities	n/a	n/a	TBD	NEW	YES	3.6.8
1-10	Hourly Virtual Transaction Settlement Amount (HVTSA)								
1-11			HVTSA{1} All virtual transactions	n/a	1 and 51	TBD	NEW	YES	3.6.5
1-12	Hourly Operating Reserve Settlement Amount (HORSAs)								
1-13			HORSAs{1} All O.R. except Pass 2 imports						
1-14			HORSAs{1} 10-minute spin	n/a	200	TBD	NEW	NO	3.6.6
1-15			HORSAs{1} 10-minute non-spin	n/a	202	TBD	NEW	NO	3.6.6
1-16			HORSAs{1} 30-minute	n/a	204	TBD	NEW	NO	3.6.6
1-17			HORSAs{1} Pass 2 imports						
1-18			HORSAs{1} 10-minute non-spin	n/a	n/a	TBD	NEW	YES	3.6.6
1-19			HORSAs{1} 30-minute	n/a	n/a	TBD	NEW	YES	3.6.6
1-20	DAM Congestion Management Settlement Credits								
1-21			CMSC{1} Operating Reserve						
1-22			CMSC{1} 10-minute spin	n/a	n/a	TBD	NEW	YES	3.6.7
1-23			CMSC{1} 10-minute non-spin	n/a	n/a	TBD	NEW	YES	3.6.7
1-24			CMSC{1} 30-minute	n/a	n/a	TBD	NEW	YES	3.6.7
1-25			CMSC{1} Energy						
1-26			CMSC{1} Exports	n/a	n/a	TBD	NEW	YES	3.6.7
1-27			CMSC{1} Gen. Facilities and imports	n/a	n/a	TBD	NEW	YES	3.6.7
1-28			CMSC{1} Load Reduction						
1-29			CMSC{1} Load Facilities	n/a	n/a	TBD	NEW	YES	3.6.7
Second Settlement Calculations - Preliminary and Final									
2-1	Hourly Physical Transaction Settlement Amount (HPTSA{2})								
2-2			HPTSA{2} Gen. Facilities and imports	n/a	100/101	TBD	NEW	NO	3.7.4
2-3			HPTSA{2} Pass 2 imports	n/a	100/101	TBD	NEW	NO	3.7.4
2-4			HPTSA{2} Load Facilities	n/a	100/101	TBD	NEW	NO	3.7.4
2-5			HPTSA{2} PBCs component	n/a	100/101	TBD	NEW	NO	3.7.4
2-6	Hourly Virtual Transaction Settlement Amount (HVTSA)								
2-7			HVTSA{2} All virtual transactions	n/a	1 and 51	TBD	NEW	YES	3.7.5
2-8	DAM Pass 2 Import Uplift (DIU)								
2-9			DAM Pass 2 Import Uplift - All loads and exports	n/a	n/a	TBD	NEW	n/a	3.7.19
2-10			DAM Pass 2 Import Uplift - All loads and exports with no DAM positions + virtual transactions to sell	n/a	n/a	TBD	NEW	n/a	3.7.19
2-11	Production Cost Guarantees (PCGs)								
2-12			PCG Gen. Facilities and imports	n/a	n/a	TBD	NEW	YES	3.7.10
2-13			PCG Pass 2 imports	n/a	n/a	TBD	NEW	YES	3.7.10
2-14			PCG Load Facilities	n/a	n/a	TBD	NEW	YES	3.7.10
2-15	Production Cost Guarantee Commitment Adjustments (PCG-CA)								
2-16			PCG-CA Gen. Facilities and imports	n/a	n/a	TBD	NEW	n/a	3.7.11
2-17			PCG-CA Load Facilities	n/a	n/a	TBD	NEW	n/a	3.7.11
2-18	Production Cost Guarantee Uplifts								
2-19			Bid Load Commitment Uplift	n/a	n/a	TBD	NEW	n/a	3.7.12
2-20			Forecast Load Commitment Uplift	n/a	n/a	TBD	NEW	n/a	3.7.13
2-21			Load Forecast Accuracy Uplift	n/a	n/a	TBD	NEW	n/a	3.7.15
2-22	Hourly Operating Reserve Settlement Amount (HORSAs{2})								
2-23			HORSAs{2} All O.R. except Pass 2 imports						
2-24			HORSAs{2} 10-minute spin	n/a	200	TBD	NEW	NO	3.7.6
2-25			HORSAs{2} 10-minute non-spin	n/a	202	TBD	NEW	NO	3.7.6
2-26			HORSAs{2} 30-minute	n/a	204	TBD	NEW	NO	3.7.6
2-27			HORSAs{2} - Pass 2 Imports						
2-28			HORSAs{2} 10-minute non-spin	n/a	n/a	TBD	NEW	NO	3.7.6
2-29			HORSAs{2} 30-minute	n/a	n/a	TBD	NEW	NO	3.7.6
2-30	DAM Congestion Management Settlement Credits								
2-31			CMSC{1} Operating Reserve						
2-32			CMSC{1} 10-minute spin	n/a	n/a	TBD	NEW	YES	3.6.7
2-33			CMSC{1} 10-minute non-spin	n/a	n/a	TBD	NEW	YES	3.6.7
2-34			CMSC{1} 30-minute	n/a	n/a	TBD	NEW	YES	3.6.7
2-35			CMSC{1} Energy						
2-36			CMSC{1} Pass 2 imports	n/a	n/a	TBD	NEW	YES	3.6.7
2-37			CMSC{1} Exports	n/a	n/a	TBD	NEW	YES	3.6.7
2-38			CMSC{1} Gen. Facilities and imports	n/a	n/a	TBD	NEW	YES	3.6.7
2-39			CMSC{1} Load Reduction						
2-40			CMSC{1} Load Facilities	n/a	n/a	TBD	NEW	YES	3.6.7
2-41	Real-time CMSC								
2-42			Real-time CMSC - Energy						
2-43			Real-time CMSC Load and Gen. facilities, imports and exports	105	105	105	Unchanged	n/a	n/a
2-44			Real-time CMSC - Operating Reserve						
2-45			CMSC 10-minute spin	106	106	106	Unchanged	n/a	n/a
2-46			CMSC 10-minute non-spin	107	107	107	Unchanged	n/a	n/a
2-47			CMSC 30-minute	108	108	108	Unchanged	n/a	n/a
2-48	Second Settlement CSMC Balancing (CMSC{2})								
2-49			CMSC{2} for DAM Constrained-OFF negative						
2-50			CMSC{2} for DAM Constrained-ON negative						
2-51			CMSC{2} for DAM Constrained-ON positive						
2-52			CMSC{2} for DAM Constrained-OFF positive						
2-53			CMSC{2} for ENERGY (generators and imports)	n/a	n/a	TBD	NEW	n/a	3.7.9
2-54			CMSC{2} for ENERGY (price responsive load components)	n/a	n/a	TBD	NEW	n/a	3.7.9
2-55			CMSC{2} for O.R. 10-minute spin	n/a	n/a	TBD	NEW	n/a	3.7.9
2-56			CMSC{2} for O.R. 10-minute non-spin	n/a	n/a	TBD	NEW	n/a	3.7.9
2-57			CMSC{2} for O.R. 30-minute	n/a	n/a	TBD	NEW	n/a	3.7.9
2-58									

DRAFT Break-down of Charge Types to support the DAM Implementation

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Row	Category (settlement amount)	Category Sub-Group (if applicable)	Charge Type	Current Charge Type No.	Related Real-time market charge type no.	New Charge Type No.	DAM Impact	Identical Calculation between First and Second Settlement?	DAM Detailed Design Section Reference
2-59	Hourly Uplift								
2-60			Hourly Uplift Component CMSC Uplift	n/a	155	TBD	Modified	n/a	3.7.17
2-61			Net DAM Balancing Allocation (NDBA)	n/a	150	TBD	NEW	n/a	3.7.18
2-62			IOG Hourly Uplift Component	150	150	TBD	Modified	n/a	n/a
2-63			Operating Reserve Uplift	n/a	250, 252 and 254	TBD	Modified	n/a	3.7.17
2-64									
2-65	Other Hourly Settlement Amounts								
2-66			130 Intertie Offer Guarantee Settlement Credit – Energy	130	130	130	Modified	n/a	3.3.2
2-67			132 Hour-ahead dispatchable load offer guarantee	132	132	132	Modified	n/a	n/a
2-68			133 Generation Cost Guarantee Payment	133	133	133	Modified	n/a	3.3.2
2-69			134 Demand Response Credit	134	134	134	Modified	n/a	n/a
2-70	Transmission Rights Market								
2-71			Transmission Rights Settlement Credit	104	104	104	Modified	n/a	3.7.7
2-72			Transmission Charge Reduction Fund	103	103	103	Modified	n/a	3.7.8
2-73	Transmission Tariffs								
2-74			600 Network Service Credit	600	600	600	Unchanged	n/a	n/a
2-75			601 Line Connection Service Credit	601	601	601	Unchanged	n/a	n/a
2-76			602 Transformation Connection Service Credit	602	602	602	Unchanged	n/a	n/a
2-77			603 Export Transmission Service Credit	603	603	603	Unchanged	n/a	n/a
2-78			650 Network Service Charge	650	650	650	Unchanged	n/a	n/a
2-79			651 Line Connection Service Charge	651	651	651	Unchanged	n/a	n/a
2-80			652 Transformation Connection Service Charge	652	652	652	Unchanged	n/a	n/a
2-81			653 Export Transmission Service Charge	653	653	653	Unchanged	n/a	n/a
2-82	Monthly Ancillary Services								
2-83			400 Black Start Capability Settlement Credit	400	400	400	Unchanged	n/a	n/a
2-84			402 Reactive Support and Voltage Control Settlement Credit	402	402	402	Unchanged	n/a	n/a
2-85			404 Regulation Service Settlement Credit	404	404	404	Unchanged	n/a	n/a
2-86			406 Emergency Demand Response Program Credit	406	406	406	Unchanged	n/a	n/a
2-87			410 IMO-Controlled Grid Special Operations Credit	410	410	410	Unchanged	n/a	n/a
2-88			500 Must Run Contract Settlement Credit	500	500	500	Unchanged	n/a	n/a
2-89	Other Monthly Charges								
2-90			102 TR Clearing Account Credit	102	102	102	Unchanged	n/a	n/a
2-91			112 Business Protection Plan Rebate	112	112	112	Unchanged	n/a	n/a
2-92			113 Additional Compensation for Administrative Pricing Credit.	113	113	113	Unchanged	n/a	n/a
2-93			114 Outage Cancellation/Deferral Settlement Credit.	114	114	114	Unchanged	n/a	n/a
2-94			115 Unrecoverable Testing Costs Credit	115	115	115	Unchanged	n/a	n/a
2-95			116 Tieline Maintenance Reliability Credit	116	116	116	Unchanged	n/a	n/a
2-96			118 Emergency Energy Rebate	118	118	118	Unchanged	n/a	n/a
2-97			120 Local Market Power Debit	120	120	120	TBD	n/a	n/a
2-98			750 Dispute Resolution Settlement Debit	750	750	750	Unchanged	n/a	n/a
2-99			751 Dispute Resolution Board Service Debit	751	751	751	Unchanged	n/a	n/a
2-100			700 Dispute Resolution Settlement Credit	700	700	700	Unchanged	n/a	n/a
2-101			850 Market Participant Default Settlement Debit (recovery)	850	850	850	Unchanged	n/a	n/a
2-102	Monthly Uplift Amounts								
2-103			162 OPGI Market Power Mitigation Debit.	162	162	162	TBD	n/a	n/a
2-104			163 Additional Compensation for Administrative Pricing Debit.	163	163	163	Unchanged	n/a	n/a
2-105			164 Outage Cancellation Debit	164	164	164	Unchanged	n/a	n/a
2-106			165 Unrecoverable Testing Costs Debit	165	165	165	Unchanged	n/a	n/a
2-107			166 Tieline Reliability Maintenance Debit	166	166	166	Unchanged	n/a	n/a
2-108			167 Emergency Energy and EDRP Debit	167	167	167	Unchanged	n/a	n/a
2-109			168 TR Market Shortfall Debit	168	168	168	Unchanged	n/a	n/a
2-110			170 Local Market Power Rebate	170	170	170	Unchanged	n/a	n/a
2-111			182 Hour-ahead dispatchable load offer guarantee debit	182	182	182	Unchanged	n/a	n/a
2-112			183 Generation Cost Guarantee Recovery Debit	183	183	183	Unchanged	n/a	n/a
2-113			184 Demand Response Debit	184	184	184	Unchanged	n/a	n/a
2-114			450 Black Start Capability Settlement Debit	450	450	450	Unchanged	n/a	n/a
2-115			452 Reactive Support and Voltage Control Settlement Debit	452	452	452	Unchanged	n/a	n/a
2-116			454 Regulation Service Settlement Debit	454	454	454	Unchanged	n/a	n/a
2-117			460 IMO-Controlled Grid Special Operations Debit	460	460	460	Unchanged	n/a	n/a
2-118			550 Must Run Contract Settlement Debit	550	550	550	Unchanged	n/a	n/a
2-119	Generation Station Service								
2-120			119 Station Service Reimbursement Credit	119	119	119	Modified	n/a	n/a
2-121			169 Station Service Reimbursement Debit	169	169	169	Unchanged	n/a	n/a
2-122	Monthly Fixed Rate Charges								
2-123			140 Fixed Energy Rate Settlement Amount	140	140	140	Bill 100 impact	n/a	n/a
2-124			141 Fixed Wholesale Charge Rate Settlement Amount	141	141	141		n/a	n/a
2-125			190 Fixed Energy Rate Balancing Amount	190	190	190		n/a	n/a
2-126			191 Fixed Wholesale Charge Rate Balancing Amount	191	191	191		n/a	n/a
2-127	Rural and Remote Settlement Debit								
2-128			703 Rural and Remote Settlement Credit	703	703	703	Unchanged	n/a	n/a
2-129			753 Rural and Remote Settlement Debit	753	753	753	Unchanged	n/a	n/a
2-130	Calculate Debt Retirement Charge								
2-131			702 Debt Retirement Credit	702	702	702	Unchanged	n/a	n/a
2-132			752 Debt Retirement Charge	752	752	752	Unchanged	n/a	n/a
2-133	IMO Administration Charge								
2-134			9990 IMO Administration Charge	9990	9990	9990	Unchanged	n/a	n/a
2-135	Operating Reserve Shortfalls (Deferred)								
2-136			201 - 10 Minute Spinning Reserve Market Shortfall Rebate.	201	201	201	Inactive	n/a	n/a
2-137			203 - 10 Minute Non-spinning Reserve Market Shortfall Rebate.	203	203	203	Inactive	n/a	n/a
2-138			205 - 30 Minute Operating Reserve Market Shortfall Rebate.	205	205	205	Inactive	n/a	n/a
2-139			251 - 10 Minute Spinning Market Reserve Shortfall Debit.	251	251	251	Inactive	n/a	n/a
2-140			253 - 10 Minute Non-spinning Market Reserve Shortfall Debit.	253	253	253	Inactive	n/a	n/a
2-141			255 - 30 Minute Operating Reserve Market Shortfall Debit	255	255	255	Inactive	n/a	n/a
2-142	GST								
2-143			900 GST Credit	900	900	900	Modified	n/a	n/a
2-144			950 GST Debit	950	950	950	Modified	n/a	n/a

Explanation of Column Headers in the DAM Charge Type Proposal

Row	Category (settlement amount)	Category Sub-Group (if applicable)	Charge Type	Current Charge Type No.	Related Real-time market charge type no.	New Charge Type No.	DAM Impact	Identical Calculation between First and Second Settlement?	DAM Detailed Design Section Reference
Unique row identifier	The type of settlement amount referred to in the DAM Detailed Design Document	A sub-category for the Settlement amount	The proposed charge type resolution for the settlement amount	charge type no. in use in today's real-time market	charge type no. in use in today's real-time market for a settlement amount that serves a similar purpose	Proposed new charge type no. after DAM implementation	<p>NEW: A new DAM settlement Amount</p> <p>Modified: Existing Calculation Requiring Modification</p> <p>Unchanged: Existing Calculation not requiring Modification</p>	Indicates and First Settlement calculations that are repeated in the same form in the second settlement process	Section Reference in DAM Detailed Design Document "Settlement" (IMO_DES_0013)