

Explanation of the First Excess CAIR Allowances Allocation

The CAIR regulation 310 CMR 7.32 requires MassDEP to allocate New Unit Set-Aside (NUSA) & Public Benefit Set-Aside (PBSA) allowances in excess of 5% of the MA Budget once these accounts contain allowances in excess of 10% of the MA Budget as specified in:

310 CMR 7.32 (5)(c)1.a.ii. If the number of CAIR NOx Ozone Season allowances in the **New Unit Set-aside** account that were previously eligible for allocation to new CAIR NOx Ozone Season units under 310 CMR 7.32(5)(c)1. is 10% or more of the total Massachusetts state trading budget after the Administrator completes the annual deduction process under 310 CMR 7.32(6)(e), then any such CAIR NOx Ozone Season allowances in excess of 5% of the Massachusetts state trading budget shall be allocated to existing CAIR NOx Ozone Season units in accordance with 310 CMR 7.32(5)(c)3.b.x.

310 CMR 7.32 (5)(c)2.d. If the number of CAIR NOx Ozone Season allowances in the **PBSA** account that were previously eligible for allocation for EEPs or REPs under 310 CMR 7.32(5)(c)2. is 10% or more of the total Massachusetts state trading budget after the Administrator completes the annual deduction process under 310 CMR 7.32(6)(e), then any such CAIR NOx Ozone Season allowances in excess of 5% of the Massachusetts state trading budget shall be allocated to existing CAIR NOx Ozone Season units in accordance with 310 CMR 7.32(5)(c)3.b.x.

Massachusetts' budget is 7,914 allowances for the 2009 through 2014 ozone seasons, so 10% of the MA Budget is 791 allowances. Both the NUSA and the PBSA now contain allowances in excess of 10% of the MA Budget. The regulation requires that 5% of the MA Budget, or 396 allowances, remain in each account.

MA Budget during allocation years 2009-2012 =	7,914
10% of MA Budget =	791
5% of MA Budget =	396

Currently, 902 allowances remain in the NUSA account and 791 allowances in the PBSA account. The allowances are of the following vintages

Allowances by Account and Vintage as of Spring	NUSA	PBSA	TOTAL
2009	203	0	203
2010	237	0	237
2011	123	0	123
2012	339	791	1130
TOTAL	902	791	1693
5% of MA Budget to remain in Account	396	396	792
Excess allowances to be allocated	506	395	901

MassDEP must allocate 506 allowances from the NUSA and 395 allowances from the PBSA to MA facilities as specified in:

310 CMR 7.32(5)(c)3.b.x. If CAIR NOx Ozone Season allowances are designated for allocation to existing CAIR NOx Ozone Season units from the New Unit Set-aside or the PBSA under 310 CMR 7.32(5)(c)1.a.ii. or 310 CMR 7.32(5)(c)2.d., the Department will allocate for each CAIR NOx Ozone Season allowance vintage year to each existing CAIR NOx Ozone Season unit an amount of CAIR NOx Ozone Season allowances equal to the total amount of such designated unallocated CAIR NOx Ozone Season allowances, multiplied by the unit's allocation for the allowance vintage year under 310 CMR 7.32(5)(c)3., divided by the total number of CAIR NOx Ozone Season allowances allocated to existing CAIR NOx Ozone Season units for the allowance vintage year pursuant to 310 CMR 7.32(5)(a), and rounded to the nearest whole CAIR NOx Ozone Season allowance in accordance with 310 CMR 7.32(5)(c)3.b.v.

MassDEP has chosen to allocate these allowances beginning with the earliest vintages in each account until 396 allowances remain in each account. For the NUSA, this means allocating all 203 vintage 2009 allowances, all 237 vintage 2010 allowances, and 66 of the vintage 2011 allowances. For the PBSA, this means allocating 395 of the vintage 2012 allowances.

Allowances to be allocated in First Excess CAIR Allocation (by Account and Vintage)	NUSA	PBSA	TOTAL
2009	203	0	203
2010	237	0	237
2011	66	0	66
2012	0	395	395
TOTAL	506	395	901

Allowances remaining after First Excess CAIR Allocation (by Account and Vintage)	NUSA	PBSA	TOTAL
2009	0	0	0
2010	0	0	0
2011	57	0	57
2012	339	396	735
TOTAL	396	396	792

See the 'CAIR Allocation History' tab for additional CAIR allowance information.

CAIR Units allocation per 310 CMR 7.32(5)(c)3.b.x	2009 Allocation Allowances Received	2009 Excess Allowances Allocation Calculated
ANP Bellingham 1	176.6171873	5.329759034
ANP Bellingham 2	191.1810505	5.769251263
ANP Blackstone 1	200.9706025	6.064669586
ANP Blackstone 2	197.0758829	5.947139027
Bellingham Cogen - Total	204.3226575	6.165824211
Berkshire Power	191.8354516	5.788999061
Blackstone St.B11	3.766937473	0.113674492
Blackstone St.B12	5.989407599	0.180741749
Brayton Point 1	272.196686	8.214051919
Brayton Point 2	282.9015082	8.537090258
Brayton Point 3	561.2816163	16.93773868
Brayton Point 4	24.5228443	0.740023397
Canal 1	436.4150069	13.16965161
Canal 2	175.8563178	5.306798353
Cleary Flood Unit 8	0.513032852	0.015481741
Cleary Flood Unit 9	7.941278445	0.239643158
Dartmouth Power 1	32.29313564	0.974506695
Dartmouth Power 2	0	0
Deer Island-S42	1.536032624	0.046352701
Deer Island-S43	0.993192086	0.029971457
Dighton Power	102.0958858	3.08093724
Doreen	0.04173076	0.001259305
Fore River	552.1054481	16.66083038
Framingham	0.26355104	0.007953153
General Electric, Lynn B#3	11.9025802	0.359182961
General Electric, Lynn Tur8	0.752005326	0.022693189
Kendall - Units 1, 2, 3 and Jet	37.22705362	1.123397039
Kendall New Unit 4	229.2175221	6.917074028
Kneeland Station	92.20567991	2.782481496
L'Energia 2	0.013626371	0.000411202
Lowell Cogeneration	0.365033435	0.011015577
Masspower	140.4347787	4.237886143
Medway-Total	0.370126291	0.011169264
Milford Power	58.67392399	1.770597082
Millenium Power	292.8584675	8.837560414
MIT Central Utility	79.05938798	2.385767171
Mt. Tom	128.8447822	3.888135987
Mystic 7	95.01157218	2.867154623
Mystic CC 8	650.7135304	19.63651653
Mystic CC 9	580.7913428	17.52648173
Mystic Jet	0.050417571	0.001521446
New Boston 1	75.21625407	2.269793307
New Boston Jet	0.074451082	0.002246703
Pittsfield Generating	47.16472939	1.423285278
Potter 3	3.060142173	0.092345601
Potter 4	0	0
Potter 5	0	0
Salem Harbor1	89.33669982	2.695904573
Salem Harbor2	82.84322325	2.499951586
Salem Harbor3	127.2093232	3.838782907
Salem Harbor4	70.27953924	2.120818562
Somerset 8	120.6599785	3.641143993
Somerset 11	0.047046748	0.001419725
South Boston Combustion Turbines	0.400615295	0.012089327
Stony Brook1A	16.82032371	0.507585211
Stony Brook1B	21.63637703	0.652918766
Stony Brook1C	18.64561012	0.562666695
Stony Brook2A	1.321468386	0.039877818
Stony Brook2B	0.940883856	0.028392957
Waters River 1	1.765466638	0.053276309
Waters River 2	4.45599351	0.134468066
West Springfield CTG1	7.598234566	0.229291158
West Springfield CTG2	6.850146821	0.206716189
West Springfield 3	9.071926544	0.273762612
West Springfield 10	0.156021943	0.004708258
Woodland	0.237269178	0.007160048
ADJUSTED TOTAL:	6727	203
Excess 2009 Allowances Available:	203	
Existing Unit Allocation for 2009:	6727	

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CAIR Units allocation per 310 CMR 7.32(5)(c)3.b.x	2010 Allocation Allowances Received	2010 Excess Allowances Allocation Calculated
ANP Bellingham 1	176.6171873	6.222428035
ANP Bellingham 2	191.1810505	6.7355298
ANP Blackstone 1	200.9706025	7.080427054
ANP Blackstone 2	197.0758829	6.943211574
Bellingham Cogen - Total	204.3226575	7.198523832
Berkshire Power	191.8354516	6.758585111
Blackstone St.B11	3.766937473	0.132713569
Blackstone St.B12	5.989407599	0.211013766
Brayton Point 1	272.196686	9.589804457
Brayton Point 2	282.9015082	9.96694774
Brayton Point 3	561.2816163	19.77460132
Brayton Point 4	24.5228443	0.863968203
Canal 1	436.4150069	15.37540607
Canal 2	175.8563178	6.195621723
Cleary Flood Unit 8	0.513032852	0.018074741
Cleary Flood Unit 9	7.941278445	0.279780436
Dartmouth Power 1	32.29313564	1.137724565
Dartmouth Power 2	0	0
Deer Island-S42	1.536032624	0.054116208
Deer Island-S43	0.993192086	0.034991307
Dighton Power	102.0958858	3.596956286
Doreen	0.04173076	0.001470223
Fore River	552.1054481	19.45131428
Framingham	0.26355104	0.009285208
General Electric, Lynn B#3	11.9025802	0.419341684
General Electric, Lynn Tur8	0.752005326	0.026494018
Kendall - Units 1, 2, 3 and Jet	37.22705362	1.311552209
Kendall New Unit 4	229.2175221	8.075598742
Kneeland Station	92.20567991	3.248512879
L'Energia 2	0.013626371	0.000480073
Lowell Cogeneration	0.365033435	0.012860551
Masspower	140.4347787	4.947679881
Medway-Total	0.370126291	0.013039978
Milford Power	58.67392399	2.067150288
Millenium Power	292.8584675	10.31774295
MIT Central Utility	79.05938798	2.785353791
Mt. Tom	128.8447822	4.539350882
Mystic 7	95.01157218	3.347367713
Mystic CC 8	650.7135304	22.92539122
Mystic CC 9	580.7913428	20.46195157
Mystic Jet	0.050417571	0.001776269
New Boston 1	75.21625407	2.649955733
New Boston Jet	0.074451082	0.002622998
Pittsfield Generating	47.16472939	1.661668034
Potter 3	3.060142173	0.107812352
Potter 4	0	0
Potter 5	0	0
Salem Harbor1	89.33669982	3.147435388
Salem Harbor2	82.84322325	2.918662689
Salem Harbor3	127.2093232	4.481731768
Salem Harbor4	70.27953924	2.476029553
Somerset 8	120.6599785	4.25099077
Somerset 11	0.047046748	0.001657511
South Boston Combustion Turbines	0.400615295	0.014114141
Stony Brook1A	16.82032371	0.592599483
Stony Brook1B	21.63637703	0.762274618
Stony Brook1C	18.64561012	0.656906436
Stony Brook2A	1.321468386	0.046556862
Stony Brook2B	0.940883856	0.033148428
Waters River 1	1.765466638	0.062199434
Waters River 2	4.45599351	0.156989811
West Springfield CTG1	7.598234566	0.267694603
West Springfield CTG2	6.850146821	0.241338605
West Springfield 3	9.071926544	0.319614478
West Springfield 10	0.156021943	0.005496834
Woodland	0.237269178	0.008359268
ADJUSTED TOTAL:	6727	237
Excess 2010 Allowances Available:	237	
Existing Unit Allocation for 2010:	6727	

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CAIR Units allocation per 310 CMR 7.32(5)(c)3.b.x	2011 Allocation	2011 Excess Allowances
	Allowances Received	Allocation Calculated
ANP Bellingham 1	176.6171873	1.73282806
ANP Bellingham 2	191.1810505	1.875717159
ANP Blackstone 1	200.9706025	1.971764496
ANP Blackstone 2	197.0758829	1.93355259
Bellingham Cogen - Total	204.3226575	2.004652206
Berkshire Power	191.8354516	1.882137626
Blackstone St.B11	3.766937473	0.036958209
Blackstone St.B12	5.989407599	0.058763327
Brayton Point 1	272.196686	2.670578456
Brayton Point 2	282.9015082	2.7756057
Brayton Point 3	561.2816163	5.506851
Brayton Point 4	24.5228443	0.24059874
Canal 1	436.4150069	4.281758652
Canal 2	175.8563178	1.725363011
Cleary Flood Unit 8	0.513032852	0.005033472
Cleary Flood Unit 9	7.941278445	0.077913539
Dartmouth Power 1	32.29313564	0.316834689
Dartmouth Power 2	0	0
Deer Island-S42	1.536032624	0.015070336
Deer Island-S43	0.993192086	0.009744415
Dighton Power	102.0958858	1.001684029
Doreen	0.04173076	0.000409429
Fore River	552.1054481	5.416821699
Framingham	0.26355104	0.002585754
General Electric, Lynn B#3	11.9025802	0.116778697
General Electric, Lynn Tur8	0.752005326	0.007378081
Kendall - Units 1, 2, 3 and Jet	37.22705362	0.365242387
Kendall New Unit 4	229.2175221	2.248900916
Kneeland Station	92.20567991	0.904649156
L'Energia 2	0.013626371	0.000133691
Lowell Cogeneration	0.365033435	0.003581419
Masspower	140.4347787	1.377834904
Medway-Total	0.370126291	0.003631386
Milford Power	58.67392399	0.575662105
Millenium Power	292.8584675	2.873295504
MIT Central Utility	79.05938798	0.775668144
Mt. Tom	128.8447822	1.26412303
Mystic 7	95.01157218	0.93217835
Mystic CC 8	650.7135304	6.384286161
Mystic CC 9	580.7913428	5.698264995
Mystic Jet	0.050417571	0.000494657
New Boston 1	75.21625407	0.737962356
New Boston Jet	0.074451082	0.000730455
Pittsfield Generating	47.16472939	0.462742997
Potter 3	3.060142173	0.030023693
Potter 4	0	0
Potter 5	0	0
Salem Harbor1	89.33669982	0.876500994
Salem Harbor2	82.84322325	0.812792141
Salem Harbor3	127.2093232	1.248077201
Salem Harbor4	70.27953924	0.689527217
Somerset 8	120.6599785	1.183820215
Somerset 11	0.047046748	0.000461585
South Boston Combustion Turbines	0.400615295	0.00393052
Stony Brook1A	16.82032371	0.165027704
Stony Brook1B	21.63637703	0.212279008
Stony Brook1C	18.64561012	0.18293597
Stony Brook2A	1.321468386	0.012965202
Stony Brook2B	0.940883856	0.009231208
Waters River 1	1.765466638	0.017321361
Waters River 2	4.45599351	0.043718682
West Springfield CTG1	7.598234566	0.074547864
West Springfield CTG2	6.850146821	0.067208219
West Springfield 3	9.071926544	0.089006563
West Springfield 10	0.156021943	0.001530764
Woodland	0.237269178	0.002327897
ADJUSTED TOTAL:	6727	66
Excess 2011 Allowances Available:	66	
Existing Unit Allocation for 2011:	6727	

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CAIR Units allocation per 310 CMR 7.32(5)(c)3.b.x	2012 Allocation	2012 Excess Allowances
	Allowances Received	Allocation Calculated
ANP Bellingham 1	193.160046	11.34208684
ANP Bellingham 2	215.7166254	12.66657753
ANP Blackstone 1	224.2003374	13.16472919
ANP Blackstone 2	236.5642822	13.89072268
Bellingham Cogen - Total	101.8023288	5.977689889
Berkshire Power	185.0111832	10.86359705
Blackstone St.B11	2.231300581	0.131018839
Blackstone St.B12	5.962137806	0.350088365
Brayton Point 1	284.6374544	16.71351189
Brayton Point 2	281.6134567	16.53594699
Brayton Point 3	633.9469198	37.22447351
Brayton Point 4	24.21894107	1.422102233
Canal 1	305.8685128	17.96016984
Canal 2	167.5469392	9.83812115
Cleary Flood Unit 8	0.510697012	0.029987412
Cleary Flood Unit 9	8.46108974	0.496823316
Dartmouth Power 1	30.11671161	1.768411043
Dartmouth Power 2	0	0
Deer Island-S42	1.529039062	0.089783028
Deer Island-S43	0.988670079	0.05805332
Dighton Power	70.1374772	4.118374237
Doreen	0.037647797	0.002210626
Fore River	617.4703286	36.2569912
Framingham	0.213807746	0.012554491
General Electric, Lynn B#3	12.01206848	0.705331804
General Electric, Lynn Tur8	0.748581444	0.043955652
Kendall - Units 1, 2, 3 and Jet	36.71670013	2.155953107
Kendall New Unit 4	234.0154644	13.74105968
Kneeland Station	91.78586713	5.389537315
L'Energia 2	0	0
Lowell Cogeneration	0.417272691	0.024501667
Masspower	113.2514053	6.649963592
Medway-Total	0.368441105	0.021634345
Milford Power	58.49191928	3.434563419
Millenium Power	301.3056418	17.69224447
MIT Central Utility	78.23918918	4.594095395
Mt. Tom	144.2586347	8.470664593
Mystic 7	130.266566	7.64906995
Mystic CC 8	631.7735751	37.09685776
Mystic CC 9	589.4506623	34.61171572
Mystic Jet	0.05018802	0.00294697
New Boston 1	74.87379421	4.396484126
New Boston Jet	0.074112106	0.004351759
Pittsfield Generating	25.42548819	1.492948987
Potter 3	3.046209336	0.178869137
Potter 4	0	0
Potter 5	0	0
Salem Harbor1	88.92994952	5.22184184
Salem Harbor2	83.48471892	4.902105541
Salem Harbor3	139.3643314	8.183277972
Salem Harbor4	69.95955626	4.107926969
Somerset 8	112.7935051	6.623076339
Somerset 11	0.058023116	0.003407036
South Boston Combustion Turbines	0.4176118	0.024521579
Stony Brook1A	23.74892009	1.394503261
Stony Brook1B	28.32018397	1.662921461
Stony Brook1C	22.12582936	1.299197651
Stony Brook2A	1.453282281	0.085334696
Stony Brook2B	0.992128983	0.058256422
Waters River 1	1.757428463	0.103193733
Waters River 2	4.435705356	0.260458394
West Springfield CTG1	11.50587652	0.675608923
West Springfield CTG2	9.30049963	0.546112287
West Springfield 3	9.411182865	0.552611451
West Springfield 10	0.171003809	0.010041104
Woodland	0.252547472	0.014829233
ADJUSTED TOTAL:	6727	395
Excess 2012 Allowances Available:	395	
Existing Unit Allocation for 2012:	6727	

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Excess Allowance Allocation CAIR Facilities rounding per 310 CMR 7.32(5)(c)3.b.v	2009 Facility Allocation	2009 Rounded Allocation	2010 Facility Allocation	2010 Rounded Allocation	2011 Facility Allocation	2011 Rounded Allocation	2012 Facility Allocation	2012 Rounded Allocation	TOTAL-Excess FACILITY ALLOCATION
ANP Bellingham Energy Company	11.0990	11	12.9580	13	3.6085	4	24.0087	24	52
ANP Blackstone Energy Company	12.0118	12	14.0236	14	3.9053	4	27.0555	27	57
Bellingham Cogen	6.1658	6	7.1985	7	2.0047	2	5.9777	6	21
Berkshire Power	5.7890	6	6.7586	7	1.8821	2	10.8636	11	26
Blackstone Street	0.2944	0	0.3437	0	0.0957	0	0.4811	1	1
Brayton Point	34.4289	35	40.1953	40	11.1936	11	71.8960	72	158
Canal Station	18.4764	19	21.5710	22	6.0071	6	27.7983	28	75
Cleary Flood	0.2551	0	0.2979	0	0.0829	0	0.5268	1	1
Dartmouth Power	0.9745	1	1.1377	1	0.3168	0	1.7684	2	4
Deer Island Treatment	0.0763	0	0.0891	0	0.0248	0	0.1478	0	0
Dighton	3.0809	3	3.5970	4	1.0017	1	4.1184	4	12
Doreen	0.0013	0	0.0015	0	0.0004	0	0.0022	0	0
Fore River	16.6608	17	19.4513	20	5.4168	5	36.2570	36	78
Framingham Station	0.0080	0	0.0093	0	0.0026	0	0.0126	0	0
GE Aircraft Engines Lynn	0.3819	0	0.4458	0	0.1242	0	0.7493	1	1
Kendall Square	8.0405	8	9.3872	9	2.6141	3	15.8970	16	36
Kneeland Station	2.7825	3	3.2485	3	0.9046	1	5.3895	5	12
L'Energia	0.0004	0	0.0005	0	0.0001	0	0.0000	0	0
Lowell Cogeneration	0.0110	0	0.0129	0	0.0036	0	0.0245	0	0
Masspower	4.2379	4	4.9477	5	1.3778	1	6.6500	7	17
Medway Station	0.0112	0	0.0130	0	0.0036	0	0.0216	0	0
Milford Power	1.7706	2	2.0672	2	0.5757	1	3.4346	3	8
Millennium Power Partners	8.8376	9	10.3177	10	2.8733	3	17.6922	18	40
MIT Central Utility	2.3858	2	2.7854	3	0.7757	1	4.5941	5	11
Mount Tom	3.8881	4	4.5394	5	1.2641	1	8.4707	8	18
Mystic	40.0317	40	46.7365	47	13.0152	13	79.3606	79	179
New Boston	2.2720	2	2.6526	3	0.7387	1	4.4008	4	10
Pittsfield Generating	1.4233	1	1.6617	2	0.4627	0	1.4929	1	4
Potter	0.0923	0	0.1078	0	0.0300	0	0.1789	0	0
Salem Harbor	11.1555	11	13.0239	13	3.6269	4	22.4152	22	50
Somerset	3.6426	4	4.2526	4	1.1843	1	6.6265	7	16
South Boston Combustion Turbines	0.0121	0	0.0141	0	0.0039	0	0.0245	0	0
Stony Brook	1.7914	2	2.0915	2	0.5824	1	4.5002	5	10
Waters River	0.1877	0	0.2192	0	0.0610	0	0.3637	0	0
West Springfield	0.7145	1	0.8341	1	0.2323	0	1.7844	2	4
Woodland	0.0072	0	0.0084	0	0.0023	0	0.0148	0	0
TOTALS:		203		237		66		395	901

CAIR ALLOCATION HISTORY

Note that 80 vintage 2006 allowances were transferred from the 310 CMR 7.28 NOx Budget Program to the 310 CMR 7.32 CAIR Program and were distributed during the first two CAIR NUSA allocations for 2009 and 2010, as follows:

NUSA Allocation By Year and Vintage	Vintage 2006	Vintage 2009	Vintage 2010	Vintage 2011	Vintage 2012	TOTAL
Allocation Year 2009	51					51
Allocation Year 2010	29	35				64
Allocation Year 2011				115		115
Allocation Year 2012					57	57
	80	35	0	115	57	287

Therefore the following allowances remain in the MA Holding Account:

Allowance Vintage	2006	2009	2010	2011	2012	2013	2014
MA BUDGET	80	7914	7914	7914	7914	7914	7914
Existing Unit Alloc	0	6727	6727	6727	6727	6727	6727
NUSA Alloc	80	35	0	115	57	summer 2013	summer 2014
PBSA Alloc	0	791	791	791	0	fall 2013	fall 2014
NUSA 2% transfer to PBSA	0	158	159	158	0	fall 2013	fall 2014
SUBTOTAL	0	203	237	123	1130	1187	1187
First Excess Allocation	0	203	237	66	395	0	0
REMAINING IN MA HOLDING ACCOUNT	0	0	0	57	735	1187	1187