

# Mass Emissions Cap and Trade Program 2016 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	39,838.3	tons
Allowable Allowances Allocated .....	24.5	tons
Flexible Allowable Allowances Allocated .....	0.0	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(-320.9)	tons
<b>Total Allocation .....</b>	<b>39,982.3</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	29,963.7	tons
Emissions Against Allowable Allowances .....	0.0	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>29,963.7</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	18	
Total Penalties.....	(-107.3)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2016 (Current) Allowances .....	37	
Total 2016 Allowances Traded.....	148.7	
Average Price Per Ton.....	\$206	per ton
Total Applications Received Requesting Transfer of 2015 (Vintage) Allowances .....	108	
Total 2015 Allowances Traded.....	1,921.9	
Average Price Per Ton.....	\$151	per ton

# Mass Emissions Cap and Trade Program 2015 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	39,835.1	tons
Allowable Allowances Allocated .....	24.5	tons
Flexible Allowable Allowances Allocated .....	0.0	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(-320.2)	tons
<b>Total Allocation .....</b>	<b>39,979.8</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	30,490.1	tons
Emissions Against Allowable Allowances .....	0.0	tons
Emissions Against Flexible Allowable Allowances .....	0.0	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>30,490.1</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	63	
Total Penalties.....	(-131.5)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2015 (Current) Allowances .....	19	
Total 2015 Allowances Traded.....	120.6	
Average Price Per Ton.....	\$551	per ton
Total Applications Received Requesting Transfer of 2014 (Vintage) Allowances .....	116	
Total 2014 Allowances Traded.....	1,987.5	
Average Price Per Ton.....	\$174	per ton

# Mass Emissions Cap and Trade Program 2014 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	39,841.0	tons
Allowable Allowances Allocated .....	24.5	tons
Flexible Allowable Allowances Allocated .....	0.0	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(-306.0)	tons
<b>Total Allocation .....</b>	<b>39,999.9</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	29,735.5	tons
Emissions Against Allowable Allowances .....	0.0	tons
Emissions Against Flexible Allowable Allowances .....	0.0	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>29,735.5</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	45	
Total Penalties.....	(-166.9)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2014 (Current) Allowances .....	20	
Total 2014 Allowances Traded.....	216.1	
Average Price Per Ton.....	\$343	per ton
Total Applications Received Requesting Transfer of 2013 (Vintage) Allowances .....	122	
Total 2013 Allowances Traded.....	1,832.9	
Average Price Per Ton.....	\$218	per ton

# Mass Emissions Cap and Trade Program 2013 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	39,245.8	tons
Allowable Allowances Allocated .....	180.1	tons
Flexible Allowable Allowances Allocated .....	975.0	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(-142.6)	tons
<b>Total Allocation .....</b>	<b>40,698.7</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	29,025.9	tons
Emissions Against Allowable Allowances .....	11.0	tons
Emissions Against Flexible Allowable Allowances .....	709.2	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>29,746.1</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	34	
Total Penalties.....	(-151.6)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2013 (Current) Allowances .....	18	
Total 2013 Allowances Traded.....	458.7	
Average Price Per Ton.....	\$147	per ton
Total Applications Received Requesting Transfer of 2012 (Vintage) Allowances .....	117	
Total 2012 Allowances Traded.....	3,088.5	
Average Price Per Ton.....	\$134	per ton

# Mass Emissions Cap and Trade Program 2012 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	39,118.2	tons
Allowable Allowances Allocated .....	298.1	tons
Flexible Allowable Allowances Allocated .....	1,141.0	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(-20.0)	tons
<b>Total Allocation .....</b>	<b>40,977.7</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	28,684.7	tons
Emissions Against Allowable Allowances .....	73.7	tons
Emissions Against Flexible Allowable Allowances .....	779.7	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>29,538.1</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	21	
Total Penalties.....	(-112.8)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2012 (Current) Allowances .....	27	
Total 2012 Allowances Traded.....	142.7	
Average Price Per Ton.....	\$371	per ton
Total Applications Received Requesting Transfer of 2011 (Vintage) Allowances .....	152	
Total 2011 Allowances Traded.....	2,112.9	
Average Price Per Ton.....	\$300	per ton

# Mass Emissions Cap and Trade Program 2011 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	38,193.5	tons
Allowable Allowances Allocated .....	1,740.6	tons
Flexible Allowable Allowances Allocated .....	1,641.3	tons
Emission Reduction Credits Converted into Allowances.....	440.4	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>42,015.8</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	30,334.7	tons
Emissions Against Allowable Allowances .....	509.0	tons
Emissions Against Flexible Allowable Allowances .....	1,214.7	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>32,058.4</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	41	
Total Penalties.....	(-289.4)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2011 (Current) Allowances .....	33	
Total 2011 Allowances Traded.....	275.3	
Average Price Per Ton.....	\$439	per ton
Total Applications Received Requesting Transfer of 2010 (Vintage) Allowances .....	139	
Total 2010 Allowances Traded.....	1,894.3	
Average Price Per Ton.....	\$225	per ton

# Mass Emissions Cap and Trade Program 2010 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	36,643.7	tons
Allowable Allowances Allocated .....	2,435.8	tons
Flexible Allowable Allowances Allocated .....	4,035.6	tons
Emission Reduction Credits Converted into Allowances.....	426.6	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>43,541.7</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	26,913.9	tons
Emissions Against Allowable Allowances .....	546.5	tons
Emissions Against Flexible Allowable Allowances .....	3,146.2	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>30,606.6</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	40	
Total Penalties.....	(-256.2)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2010 (Current) Allowances .....	17	
Total 2010 Allowances Traded.....	765.5	
Average Price Per Ton.....	\$473	per ton
Total Applications Received Requesting Transfer of 2009 (Vintage) Allowances .....	103	
Total 2009 Allowances Traded.....	1,594.8	
Average Price Per Ton.....	\$270	per ton

# Mass Emissions Cap and Trade Program 2009 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	36,199.9	tons
Allowable Allowances Allocated .....	3,036.6	tons
Flexible Allowable Allowances Allocated .....	4,187.4	tons
Emission Reduction Credits Converted into Allowances.....	396.6	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>43,820.5</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	27,855.7	tons
Emissions Against Allowable Allowances .....	790.7	tons
Emissions Against Flexible Allowable Allowances .....	3,366.6	tons
Emissions Against Discrete Emission Credits .....	20.0	tons
<b>Total Emissions.....</b>	<b>32,033.0</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	28	
Total Penalties.....	(-224.3)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2009 (Current) Allowances .....	13	
Total 2009 Allowances Traded.....	859.5	
Average Price Per Ton.....	\$794	per ton
Total Applications Received Requesting Transfer of 2008 (Vintage) Allowances .....	126	
Total 2008 Allowances Traded.....	3,510.2	
Average Price Per Ton.....	\$618	per ton



# Mass Emissions Cap and Trade Program 2008 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	34,949.3	tons
Allowable Allowances Allocated .....	3,710.2	tons
Flexible Allowable Allowances Allocated .....	5,780.7	tons
Emission Reduction Credits Converted into Allowances.....	396.6	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>44,836.8</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	27,405.4	tons
Emissions Against Allowable Allowances .....	1,074.4	tons
Emissions Against Flexible Allowable Allowances .....	4,154.7	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>32,634.5</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	32	
Total Penalties.....	(-122.1)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2008 (Current) Allowances .....	17	
Total 2008 Allowances Traded.....	1,457.9	
Average Price Per Ton.....	\$2,544	per ton
Total Applications Received Requesting Transfer of 2007 (Vintage) Allowances .....	119	
Total 2007 Allowances Traded.....	3,102.2	
Average Price Per Ton.....	\$1,482	per ton

# Mass Emissions Cap and Trade Program 2007 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	34,529.7	tons
Allowable Allowances Allocated .....	5,241.9	tons
Flexible Allowable Allowances Allocated .....	9,553.6	tons
Emission Reduction Credits Converted into Allowances.....	383.9	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>49,709.1</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	28,288.2	tons
Emissions Against Allowable Allowances .....	1,922.6	tons
Emissions Against Flexible Allowable Allowances .....	8,796.7	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>39,007.5</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	36	
Total Penalties.....	(-174.3)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2007 (Current) Allowances .....	55	
Total 2007 Allowances Traded.....	4,108.4	
Average Price Per Ton.....	\$4,682	per ton
Total Applications Received Requesting Transfer of 2006 (Vintage) Allowances .....	163	
Total 2006 Allowances Traded.....	8,945.7	
Average Price Per Ton.....	\$778	per ton

# Mass Emissions Cap and Trade Program 2006 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	44,579.5	tons
Allowable Allowances Allocated .....	7,616.4	tons
Flexible Allowable Allowances Allocated .....	10,981.8	tons
Emission Reduction Credits Converted into Allowances.....	383.3	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>63,561.0</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	37,779.1	tons
Emissions Against Allowable Allowances .....	2,981.4	tons
Emissions Against Flexible Allowable Allowances .....	11,170.6	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>51,931.1</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	62	
Total Penalties.....	(-166.3)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2006 (Current) Allowances .....	29	
Total 2006 Allowances Traded.....	4,210.3	
Average Price Per Ton.....	\$837	per ton
Total Applications Received Requesting Transfer of 2005 (Vintage) Allowances .....	69	
Total 2005 Allowances Traded.....	8,924.8	
Average Price Per Ton.....	\$1,043	per ton

# Mass Emissions Cap and Trade Program 2005 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	61,556.0	tons
Allowable Allowances Allocated .....	9,078.4	tons
Flexible Allowable Allowances Allocated .....	15,233.6	tons
Emission Reduction Credits Converted into Allowances.....	291.2	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>86,159.2</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	45,265.9	tons
Emissions Against Allowable Allowances .....	4,233.3	tons
Emissions Against Flexible Allowable Allowances .....	11,681.8	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>61,181.0</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	40	
Total Penalties.....	(-448.4)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2005 (Current) Allowances .....	47	
Total 2005 Allowances Traded.....	9,604.78	
Average Price Per Ton.....	\$620	per ton
Total Applications Received Requesting Transfer of 2004 (Vintage) Allowances .....	72	
Total 2004 Allowances Traded.....	5,072.4	
Average Price Per Ton.....	\$218	per ton

# Mass Emissions Cap and Trade Program 2004 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	100,962.3	tons
Allowable Allowances Allocated .....	13,471.9	tons
Flexible Allowable Allowances Allocated .....	24,703.0	tons
Emission Reduction Credits Converted into Allowances.....	181.2	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>139,318.4</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	54,855.7	tons
Emissions Against Allowable Allowances .....	15,404.0	tons
Emissions Against Flexible Allowable Allowances .....	4,111.3	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>74,371.0</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	21	
Total Penalties.....	(-693.0)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2004 (Current) Allowances .....	31	
Total 2004 Allowances Traded.....	4,683.8	
Average Price Per Ton.....	\$198	per ton
Total Applications Received Requesting Transfer of 2003 (Vintage) Allowances .....	34	
Total 2003 Allowances Traded.....	13,519.2	
Average Price Per Ton.....	\$29	per ton

# Mass Emissions Cap and Trade Program 2003 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	157,509.3	tons
Allowable Allowances Allocated .....	16,407.7	tons
Flexible Allowable Allowances Allocated .....	35,250.5	tons
Emission Reduction Credits Converted into Allowances.....	149.2	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>209,316.7</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	69,997.7	tons
Emissions Against Allowable Allowances .....	20,806.9	tons
Emissions Against Flexible Allowable Allowances .....	0.0	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>90,804.6</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	23	
Total Penalties.....	(-180.7)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2003 (Current) Allowances .....	37	
Total 2003 Allowances Traded.....	19,387.2	
Average Price Per Ton.....	\$139	per ton
Total Applications Received Requesting Transfer of 2002 (Vintage) Allowances .....	19	
Total 2002 Allowances Traded.....	16,410.9	
Average Price Per Ton.....	\$73	per ton

# Mass Emissions Cap and Trade Program 2002 Control Period Summary

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## ALLOCATION

Actual Allowances Allocated.....	230,411.1	tons
Allowable Allowances Allocated .....	16,571.2	tons
Flexible Allowable Allowances Allocated .....	44,797.2	tons
Emission Reduction Credits Converted into Allowances.....	0.0	tons
Retired Actual Allowances.....	(0.0)	tons
<b>Total Allocation .....</b>	<b>291,779.5</b>	<b>tons</b>

## EMISSIONS

Emissions Against Actual Allowances .....	88,403.2	tons
Emissions Against Allowable Allowances .....	18,180.7	tons
Emissions Against Flexible Allowable Allowances .....	0.0	tons
Emissions Against Discrete Emission Credits .....	0.0	tons
<b>Total Emissions.....</b>	<b>106,583.9</b>	<b>tons</b>

## PENALTIES

Number of Portfolios with Penalties .....	13	
Total Penalties.....	(-2.6)	tons

## TRANSACTIONS

*Report includes information from approved Applications for Transfer of Allowances (Form ECT-2) but does not include transfers between sites under common ownership or control.*

Total Applications Received Requesting Transfer of 2002 (Current) Allowances .....	67	
Total 2002 Allowances Traded.....	29,107.8	
Average Price Per Ton.....	\$105	per ton
Total Applications Received Requesting Transfer of 2001 (Vintage) Allowances .....	0	
Total 2001 Allowances Traded.....	0	
Average Price Per Ton.....	\$0	per ton