

Chicago, Illinois

Overview of Rulemaking Activities in Illinois

Laurel Kroack

Illinois Environmental Protection Agency

March 2007


“Beyond CAIR”

MPS and CPS – the Deals






- Hg rule flexibility in exchange for significant NO_x and SO₂ reductions – Hg rule was the driver.
- Negotiated Emission Standards case-by-case.
- Reversed Industry positions: opposition of proposed rules became support for Hg rule and CAIR.
- IEPA will look to other sources for future reductions (NO_x RACT, SO₂ RACT, RACM).
- MPS & CPS are optional, however, if companies don't opt-in, further regulation is certain. Opt-in date July 2008.



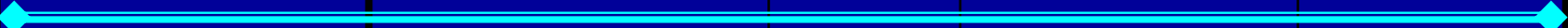
SO₂ Agreed to Reductions

	SO2 Requirement (lbs/mmbtu)	By Year	SO2 Eliminated (tons/yr)	SO2 % reduced
Ameren	0.25	2015	127,145	76.3
				
Dynegy	0.19	2015	38,745	65
				
Midwest Generation	0.28	2015	35,343	45
	0.11	2019	67,710	80
				
Total			<u>233,600</u>	

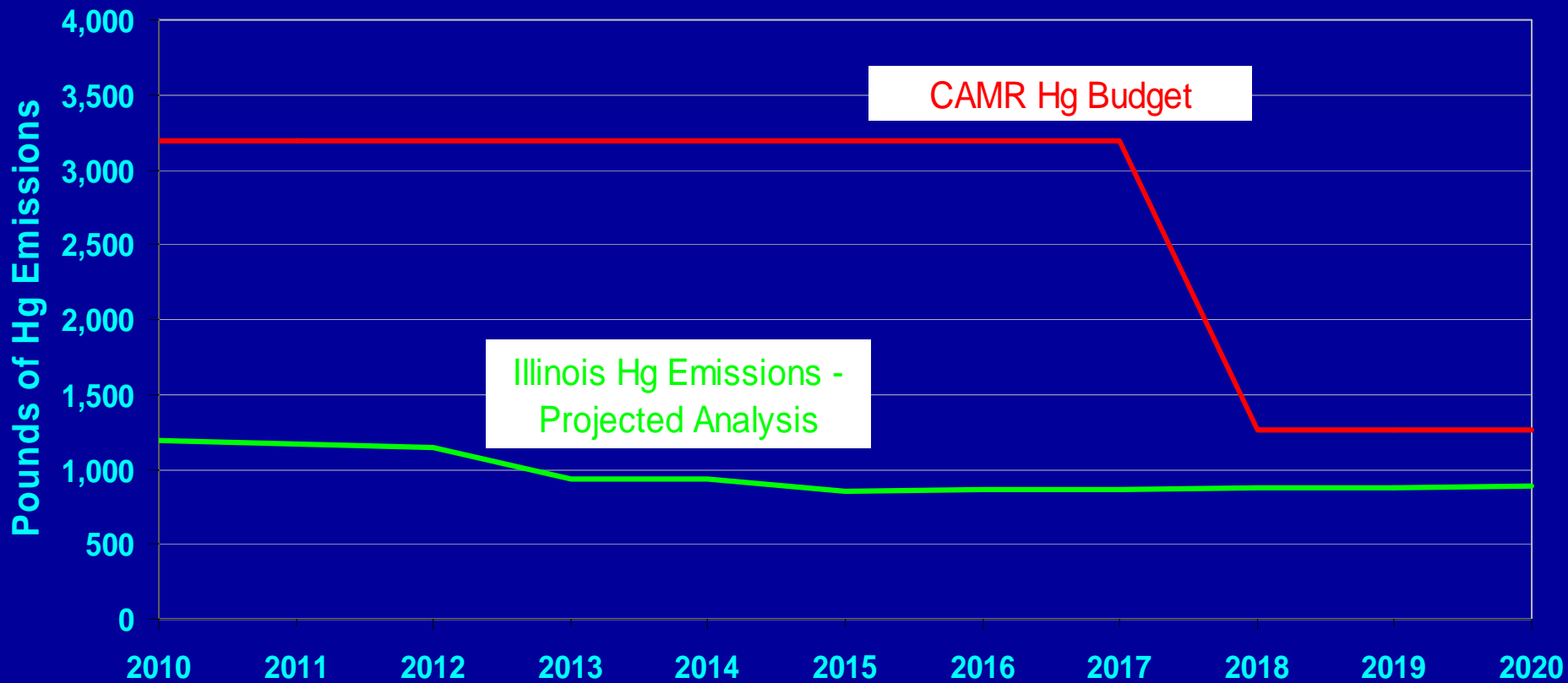
NOx Agreed to Reductions

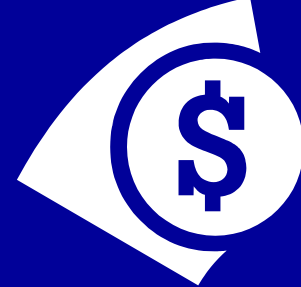
	NO_x Requirement (lbs/mmbtu)	By Year	NO_x Eliminated (tons/yr)	NO_x % reduced
Ameren	0.11	2012	18,799	52.2
				
Dynegy	0.10	2012	9,980	48
				
Midwest Generation	0.11	2012	32,655	68
				
Total			<u>61,434</u>	

Hg Agreed to Reductions

	Hg Requirement (% reduced)	By Year	Hg Eliminated (lbs/yr)	Hg % reduced
Ameren	90	2015	1,901	93.5
				
Dynegy	90	2015	2,137	94.4
				
Midwest Generation	90	2015	3,002	95
				
Total			<u>7,040</u>	

Mercury Emission Projections from Coal-Fired Power Plants in Illinois





Expected New Controls

	Capacity (MW)	Units	FGDs	SCRs	SNCRs	FFs	ACI	Potential Shutdowns
MWG	6,512	19	11	2	4	11	15	8
Ameren	5,023	21	7	2	0	7	18	4
Dynegy	3,354	10	4	0	0	5	10	0
Total	14,889	50	22	4	4	23	43	12

Candidate Control Strategies

- CAIR/CAMR (EGUs)
 - (Almost Final - Final)
- Beyond CAIR/CAMR (EGUs)
 - (Almost Final – July 2008 Opt-in date)
- NOx SIP Call
 - Phase II Engines Plus
 - Proposal to be submitted to Pollution Control Board by March 30, 2002
- NOx RACT (Statewide)
 - Draft rule – outreach begun
- Consumer Products/AIM
 - Draft rule – outreach beginning April 30, 2007

Candidate Control Strategies

- Portable Fuel Containers
 - In development
- SO2 RACT (Statewide)
 - Being researched
- RFG in Metro-East Area
 - Petition pending with Administrator
- School Bus Retrofits
 - Ongoing, program begun 2003
- Idle Restrictions
 - Legislation adopted July 06, outreach to locals by April 30, 2007
- Chip Reflashing
 - (Legislation proposed – On hold)