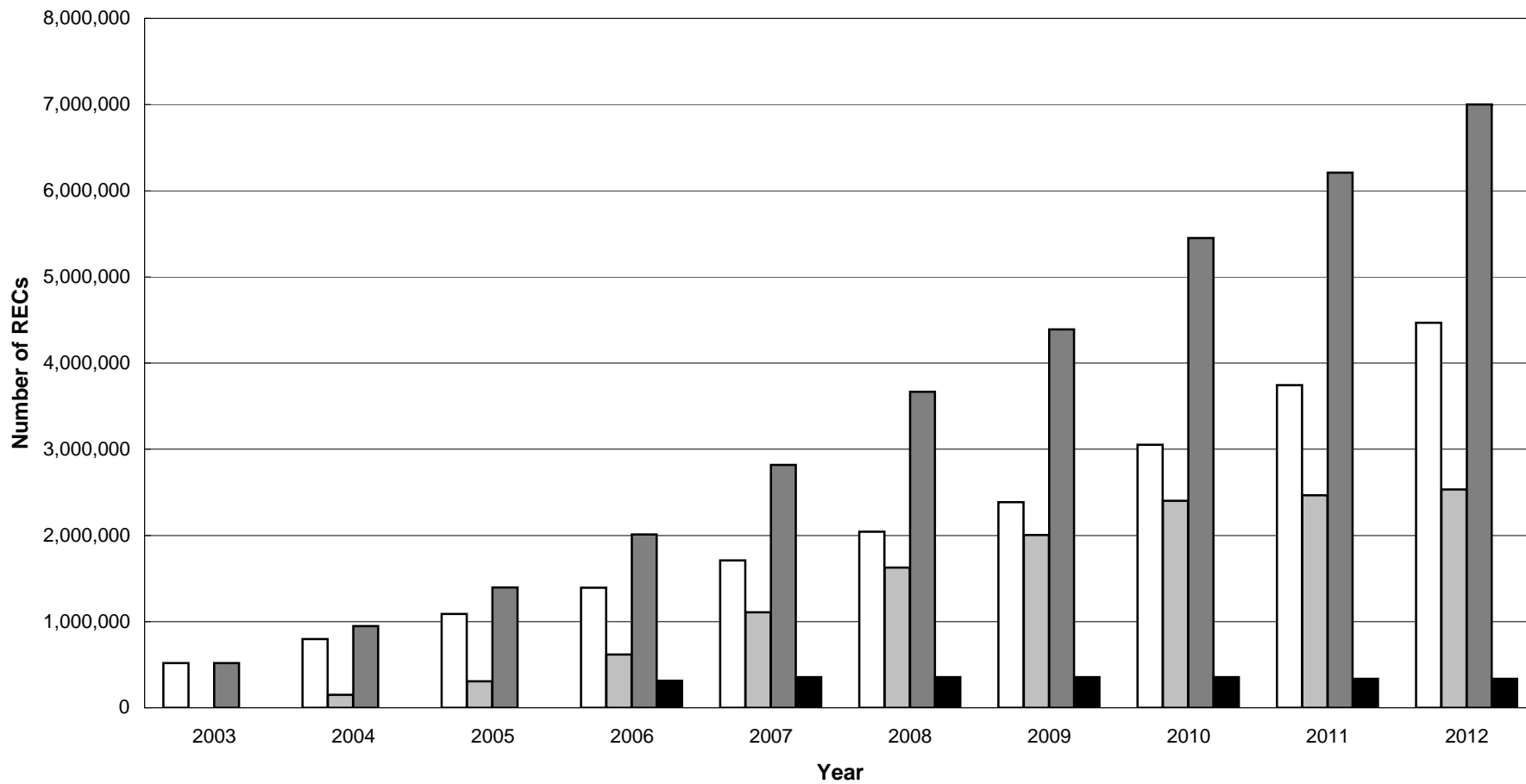


Illustration of Physical Plant Modifications Planned for Schiller Station



Level of Renewable Energy Certificates Schiller Station Unit 5 will have Available to Sell into the Market Compared to the Overall Demand for Renewable Energy Certificates in Massachusetts and Connecticut Over the Time Period 2003 - 2012



MA REC's
 CT REC's
 Total MA & CT REC's
 Schiller REC's

**Overall Value of Incremental Generation
Resulting From the Installation of a Wood-fired Boiler at Schiller Station Unit 5
at Differing Levels of Capacity Factor Increases and Energy Market Prices**

Schiller Station Unit 5 Annual Generation at 100% Capacity Factor: 394,200 MWH
Variable Cost: \$21.90 per MWH

Increase in Capacity Factor	Incremental Generation MWH	Projected Energy Market Price (\$ per MWH)					
		<u>\$37.40</u>	<u>\$39.00</u>	<u>\$40.00</u>	<u>\$41.00</u>	<u>\$42.50</u>	<u>\$45.00</u>
5%	19,710	\$ 305,505	\$ 337,041	\$ 356,751	\$ 376,461	\$ 406,026	\$ 455,301
10%	39,420	\$ 611,010	\$ 674,082	\$ 713,502	\$ 752,922	\$ 812,052	\$ 910,602
15%	59,130	\$ 916,515	\$ 1,011,123	\$ 1,070,253	\$ 1,129,383	\$ 1,218,078	\$ 1,365,903
20%	78,840	\$ 1,222,020	\$ 1,348,164	\$ 1,427,004	\$ 1,505,844	\$ 1,624,104	\$ 1,821,204
25%	98,550	\$ 1,527,525	\$ 1,685,205	\$ 1,783,755	\$ 1,882,305	\$ 2,030,130	\$ 2,276,505

**Overall Value of Less Air Emissions
Resulting From the Installation of a Wood-fired Boiler at Schiller Station Unit 5
at Differing Levels of NO_x and SO₂ Credit Amounts**

	Annual Estimated Reduction (Tons)	Credit (\$ per Ton)						
		<u>\$2,700</u>	<u>\$3,000</u>	<u>\$4,000</u>	<u>\$5,000</u>	<u>\$6,000</u>	<u>\$7,000</u>	<u>\$8,000</u>
NO _x - Ozone	200	\$ 540,000	\$ 600,000	\$ 800,000	\$ 1,000,000	\$ 1,200,000	\$ 1,400,000	\$ 1,600,000

	Annual Estimated Reduction (Tons)	Credit (\$ per Ton) <u>\$250</u>
NO _x - NonOzone	200	\$ 50,000

	Annual Estimated Reduction (Tons)	Credit (\$ per Ton)				
		<u>\$180</u>	<u>\$200</u>	<u>\$250</u>	<u>\$300</u>	<u>\$360</u>
SO ₂	2,000	\$ 360,000	\$ 400,000	\$ 500,000	\$ 600,000	\$ 720,000

Estimate of Total Emissions Savings Based Upon Forecasted Market Prices of NO_x and SO₂ Credits

(3) Assumes a capacity factor of 80% in 2006, a capac	Annual Estimated Reduction (Tons)	Forecasted Market Price (\$ per Ton)	Total Annual Savings
NO _x -Ozone	200	\$3,000	\$600,000
NO _x - Non-ozone	200	\$250	\$50,000
SO ₂	2,250	\$320	<u>\$720,000</u>
			\$1,370,000

**Overall Value of Renewable Energy Certificates
Resulting From the Installation of a Wood-fired Boiler at Schiller Station Unit 5
at Differing Levels of Generation Capacity Factors and Renewable Energy Certificate Prices**

Schiller Station Unit 5 Annual Generation at 100% Capacity: 394,200 MWH

Capacity Factor	Generation MWH	Renewable Energy Certificate Price (\$ per MWH)					
		\$20	\$25	\$30	\$35	\$40	\$45
80%	315,360	\$ 6,307,200	\$ 7,884,000	\$ 9,460,800	\$ 11,037,600	\$ 12,614,400	\$ 14,191,200
85%	335,070	\$ 6,701,400	\$ 8,376,750	\$ 10,052,100	\$ 11,727,450	\$ 13,402,800	\$ 15,078,150
90%	354,780	\$ 7,095,600	\$ 8,869,500	\$ 10,643,400	\$ 12,417,300	\$ 14,191,200	\$ 15,965,100
95%	374,490	\$ 7,489,800	\$ 9,362,250	\$ 11,234,700	\$ 13,107,150	\$ 14,979,600	\$ 16,852,050

**Overall Impact on Schiller Station Revenue Requirements
Resulting From the Installation of a Wood-fired Boiler at Schiller Station Unit 5
(One Wood/Two Coal Units Versus Three Coal Units)**

	2006	2007	2008	3-Year Impact
	(\$000's)			
A. Incremental Revenue Requirement	\$12,123	\$11,769	\$11,349	\$35,241
B. Value of Incremental Generation ⁽¹⁾	\$611	\$1,222	\$1,222	\$3,055
C. Emissions Cost Savings ⁽²⁾	\$1,370	\$1,370	\$1,370	\$4,110
D. Revenue From Sale of REC's ⁽³⁾	\$9,461	\$10,643	\$10,643	\$30,747
E. Net Incremental Revenue Requirement (A-B-C-D)	\$681	(\$1,466)	(\$1,886)	(\$2,671)

(1) Assumes a capacity factor increase of 10% in 2006 and 20% in 2007 and 2008, and a market energy price of \$37.40 per MWH.

(2) Assumes SO₂ savings of 2,250 tons at \$320 per ton, NO_x Ozone savings of 200 tons at \$3,000 per ton, and NO_x Non-ozone savings of 200 tons at \$250 per ton.

(3) Assumes a capacity factor of 80% in 2006, a capacity factor of 90% in 2007 and 2008 and a REC price of \$30 per REC.

**Price per Renewable Energy Certificate Required to Break Even
for the time period 2006 - 2020**

