



# Combustion Emissions Report

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Company Name:

Site Name: Roswell Park Cancer Institute

Engineers Name:

## Projected Savings - Screen 3

### Savings In Emissions

	Weight in lb	Volume in ft <sup>3</sup>	% Saving
Oxygen (O2)	35598.99Tons	873533319.85	80.71%
Carbon Dioxide (CO2)	4194.68Tons	74839978.96	16.19%
Carbon Monoxide (CO)	52.19Tons	1463119.58	77.81%
Nitrous Oxide (NO)	13.18Tons	344918.71	73.37%
Sulphur Dioxide (SO2)	0.00	0.00	0.00%
Water (H2O)	3347.71Tons	145922292.37	16.19%
Nitrogen (N2)	137139.33Tons	3844399981.06	51.12%
Total Emissions from Boiler	180346.09Tons	4940504288.56	

n.b. 1 ton (Short) = 2000lb

**Savings In Emissions: 49.56%**

Efficiency Improvement (Net)	6.30%
Efficiency Improvement (Gross)	6.25%
Exhaust Delta T Improvement	10.00°F
Savings in Heat Loss to Stack	3.90MMBtu/hour

<b>Savings in Fuel Used</b>	<b>697898.33 Therms</b>
<b>Fuel Savings (Money)</b>	<b>\$467591.90</b>



Include M.M.  
Saving 6.0%



Include E.G.A.  
Saving 3.0%

**Savings in Fuel: 16.19%**



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## Projected Savings Per year

