

Protecting the Air

Options and Explanations

Each firm will be given permits to produce 200 tons of emissions. To exceed these levels you must hold the required 'goosies' (pollution credits). You can also reduce your emissions.

Emissions by Machine

Machine Name	Emissions Produced by Increment	Total Emissions for Full Production
Base Machines		
Macizoid	10	100
Lyonator	10	100
LM Supreme	10	100
Upgrades		
Macizoid Colourizer	7.5	75
Lyonator Colourizer	7.5	75
Production Booster	10	100
Macizoid Luxury	20	200
Lyonator Luxury	20	200
Efficiency Booster	10	100
LM Colourizer	22.5	225

Note: Each part of a machine adds to the emissions – for example, a Macizoid at full production produces 100 tons; a Macizoid making Luxury Macs produces 300 tons.

Before considering your options, calculate your total emissions based on the machines you currently own. You can check your calculations with me.

Option 1: Purchase goosies at auction to cover your emissions

The government will auction off 5 goosies at the start of the next cycle. Each goosie you purchase allows you to emit 100 tons of pollution each cycle. Goosies **do not** expire (you can use them each cycle) and the only cost is the successful bid at auction.

More details over the specifics of the auction will follow.

Once you own a goosie you can sell it to another company. The government is also willing to auction it off on your behalf at no extra charge.

Option 2: Use expertise in your company to manage your emissions.

Using a combination of engineers and trained research assistants you can reduce the emissions from your machines. Research points can be assigned to a specific research assistant. Each research assistant requires 6 points to be called trained. As they are trained they expect to be paid for their knowledge. Their salaries increase by \$15 a cycle. Trained research assistants can manage the pollution levels on any type of machine and will reduce their emissions by 100 tons.

You must have **one engineer employed** to manage the process and coordinate the activities of the research assistants. You can employ as many trained research assistants as you wish.



You cannot trade research points but you can hire trained research assistants from other companies.

Option 3: Purchase Mega Corp technology

Mega Corp is in the process of developing the technology to reduce the emissions on their original machines. In time for production for cycle 6 Mega Corp will have scrub-ease technology for the basic Macizoid, Lyonator and LM Supreme technology. The technology will cost \$650 and increase the manufacturing cost by \$6 per increment. The scrub-ease technology increases the value of your machine.

The scrub-ease cannot be installed on an upgraded machine.



Consequences for Non-Compliance

Any company who does not comply with the new pollution regulations will face substantial financial and reputational penalties.

Examples

1 standard LM Supreme = 100 tons of emissions		1 fully upgraded Macizoid machine producing luxury Macs = 300 tons of emissions.	
Compliance Options			
1 goosie OR		3 goosies OR	
1 trained research assistant OR		3 trained research assistants OR	
1 scrub-ease installed on your machine		A combination of the two	