

## Chenming LWC Project: Estimate of Greenhouse Gas Emissions

### Direct Emissions from energy use.

Fuel	Annual Use (tonnes)	Carbon (%)	Carbon oxidized (%)	Annual Carbon Emissions (tonnes)	Annual CO2 emissions (tonnes)
Coal	420,000	49.9%	98.0%	205,388	753,091
LPG	7,600	82.0%	99.5%	6,201	22,736
<b>Total</b>					<b>775,827</b>

### Direct Emissions from limestone used for sulphur emissions mitigation

	Annual Use (tonnes)	CO2 (% by mass)	Annual CO2 emissions (tonnes)
Limestone	50,000	44%	22,000
<b>Total</b>			<b>22,000</b>

### Indirect Emissions from purchased electricity

	Electricity Demand (MW)	Annual Hours	MWh Imported	grams CO2/kWh	Tonnes CO2
Normal	40	3840	153,600	733	112,589
Turbine standby	90	4320	388,800	733	284,990
<b>Total</b>					<b>397,579</b>

**GRAND TOTAL FROM ALL SOURCES (TONNES): 1,195,406**