

EPA Application Form

4. Activity and Capacity

4.6.1 - Water and Energy Usage - Attachment

Organisation Name: *

Dublin Waste to Energy Limited

Application I.D.: *

LA003577

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* indicates required field

4. Activity and Capacity

4.6. Water and Energy Usage

Water Usage

Complete the table below with summary details of current and proposed maximum water usage
 (The following table contains additional guidance for certain fields where you see the small red triangle in the cell. To view the guidance simply hover over the cell).

Water Type	Current Usage Per Calendar Year (m3/yr) *	Future Usage Per Calendar Year if Authorisation Granted (m3/yr) *
Groundwater Abstraction	0	0
Surface Water Abstraction	0	0
Public Supply	164500	150000
Other	0	0
Total	164500	150000

Energy Usage

Electricity Usage

Complete the table below with summary details of current and proposed electricity usage
 (The following table contains additional guidance for certain fields where you see the small red triangle in the cell. To view the guidance simply hover over the cell).

Electricity type	Current Usage Per Calendar Year (MWH) *	Future Usage Per Calendar Year if Authorisation Granted (MWH) *
Electricity Purchased	1,862	2000
Total Renewable Electricity Generated <u>and</u> Used at the Site	51,888	56246
Total Non-Renewable Electricity Generated <u>and</u> Used at the Site	-	0
Total Electricity Generated and Used	51,888	56,246
Total Electricity Used	53,750	58,246

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Describe the types of renewable energy being generated (if applicable)

Boilers are fueled by non hazardous waste (MSW) producing steam which drives a Steam Turbine coupled directly to a generator. The plant is also built with large district heating capability.

Are you using wind turbines at the installation/facility for renewable energy? (Yes/No) *

No

Are you exporting energy generated at the installation/facility to the grid? (Yes/No) *

Yes

Amount of generated electricity exported (MWHrs)

439446.3

Thermal Energy Consumption

Complete the table below with summary details of current and proposed electricity usage.

(Select the 'Fuel Type' from the dropdown list, select 'm³' or 'Tonnes' in the 'Unit' column and enter the annual usage)

Fuel Type	Amount Used Annually	Unit
Waste	599140 (current)	tonnes
Heavy Fuel Oil	2115.5 (current)	m3
Waste	690000(proposed)	tonnes
Heavy Fuel Oil	2000 (proposed)	m3

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