

DATA PROFILE: Dublin Region, Ireland



Population, Dublin Region, 2011 1,270,000 ¹
 Employed, 2006 573,000
 Job Seekers, June 2011 110,000
 Total GVA, 2008..... 64 billion Euros

¹Source: Central Statistics Office Census 2011

ENERGY

Governance

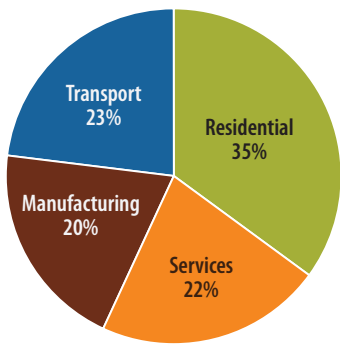
Since the year 2000, the electricity market has been deregulated, but the original incumbent, ESB, has only recently been allowed to engage in full competition. Other major actors include Irish and international companies as well as semi-state entities such as Bord na Mona, which burns peat. The market has its own regulator and the grid is managed separately by EirGrid, a state-owned commercial company. There are major challenges with increasing renewable energy use due to technology and administration delays in connecting to the grid. An example of this occurs with wind power.

Energy Use per Capita

In 2006 Dublin City consumed 22 terawatt-hours of primary energy in the form of oil, gas, electricity and renewable energy. Source: Provided by Dublin City

Energy Use by Sector

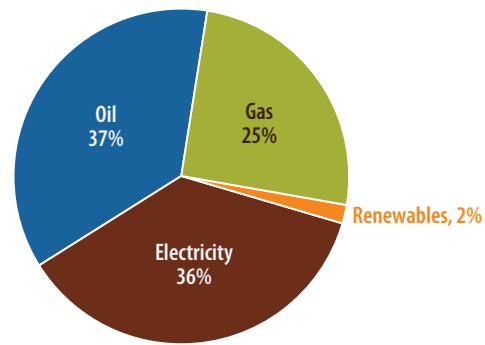
Energy Use by Sector, Dublin City



Source: Provided by Dublin City

Energy Sources

Energy Sources, Dublin City



Source: Provided by Dublin City

Energy Use Targets

- The National Energy Efficiency Action Plan (NEEAP) details the current package of energy-efficiency policies and measures that will contribute to both the national 20% savings target for 2020, and the EU ESD 9% energy-savings target for 2016.
- At the City Council level, Dublin City plans to reduce energy consumption by 3% per annum by 2020 and is on target.

Energy Pricing

The energy pricing market is in a continual state of flux, with discounting and changing promotions. An example of energy pricing is ESB rates:

- **Electric:** 12.09 Euro cents per unit, Basic Charge 25.2
- **Gas:** 3.696 Euro cents per Unit, Basic Charge 16.44

There is also a Public Service Obligation to support energy from indigenous and sustainable sources.

From 1st October 2010, the following rates have been set (excluding VAT):

- **Domestic Customers:** €32.76/year or €2.73/month
- **Small Commercial Customers:** Maximum Import Capacity less than 30 kVA (24 kWh)) €99.03/year or €8.25/month

GREENHOUSE GAS EMISSIONS (2006)

| | DUBLIN CITY | IRELAND |
|---------------------|------------------|----------------------|
| Total CO2 Emissions | 5 million tonnes | 47.62 million tonnes |
| Per capita | 9.7 tonnes | 11.3 tonnes |

Source: Provided by Dublin City

In 2006 Dublin City, which has 12% of the Irish population, released approximately 5 million tonnes of CO2, which was approximately 10.5% of the total Irish emissions that year. On average a Dubliner releases 9.7 tonnes of CO2 per year, while the Irish average is 11.3 tonnes. In 2008 the emissions were 9.9 tonnes of CO2 per year for Dublin.

WASTE

Governance

Solid waste management in the region is currently in a state of flux. Previously, it had been managed by the municipality, but private industry has had increasing involvement due to the increasing value of the industry. The split is currently approximately 79% public and 21% private. Local authorities still have control of some landfills and Materials Recovery Facilities (MRFs) and Dublin City Council is currently constructing a large incinerator. Waste management is regulated under a regional waste management plan and Ireland's Environmental Protection Agency has an audit function.

Solid Waste per Capita

Currently the region generates 1.1 million tonnes per year of municipal waste for approximately 1.2 million population (approximately .92 tonnes per capita).

Solid Waste Disposal

| PERCENTAGES OF WASTE RECYCLED | 2008 | 2009 |
|---------------------------------------------------------------------------------|------------------|--------------------|
| Percent of Municipal Waste Recycled | 41% | 46% |
| Percent of National Waste Recycled | | 39% |
| Household Waste Recycled | 35% | |
| Packaging Waste Recycled | 54% | |
| Household Waste Electrical and Electronic Equipment (WEEE) Collected per Capita | 11 kg (24.2 lbs) | 10.5 kg (23.1 lbs) |

| SOLID WASTE REDUCTION TARGETS AND RECYCLING TARGETS | REDUCTION TARGET | ACTUAL AMOUNT IN 2009 |
|----------------------------------------------------------------|--------------------------------|-----------------------|
| Household Waste Generated per household | 1.25 tonnes/annum 2006 onwards | 1.01 tonnes |
| Municipal Waste Recycling Rate | 45% by 2010 | 46% |
| Proportion of Household and C/I waste sent for energy recovery | 38% by 2013 | 0% |
| Tonnage Biodegradable Municipal Waste landfilled | 175,030 tonnes by 2009 | 396,869 tonnes |
| % C&D Waste Recycled (excl. soil) | 85% by 2013 | 98% |
| Kg (household) WEEE collected for recycling per capita | 4kg by 2006 | 10.5kg |
| % Household Hazardous Waste in residual waste stream | 0.75% by 2008 | 0.30% |
| % Recycling of Packaging Waste | 55% by 2011 | 55% |

Source: Provided by Dublin City

Waste Management Pricing

Dublin City Council imposes a €100 annual standing charge for a 240 liter bin (63.4 gallons), €6 per lift of general waste, free collection of recycling waste, and €2 compostable waste.

WATER

Governance

The water supply, sewage and stormwater drainage services in the region are publicly provided. The Dublin City Council manages 70% of drinking water services in the region (for 1.4 million people), with Fingal County Council managing the rest. Dublin City Council manages the wastewater services for 1.9 million people.

Water Consumption per Capita and Reduction Goals

- In 2008, total water consumption in Dublin was 540 million liters per day (mld), which is approximately 425 liters per capita (112 gallons).
- Dublin's average daily demand in 2011 increased to 542 mld.
- Dublin's target is to reduce water consumption to 2008 levels of 540 mld.

Source: Provided by Dublin City

Drinking Water Pricing

Currently, the Dublin region does not have domestic water metering or charges for wastewater treatment. Commercial customers pay €1.81 per cubic meter.

The information in this data profile was compiled by the City of Dublin with edits and modifications by the IRBC Secretariat for space and content. For any questions regarding the information provided here, please contact:

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