



Sustainability in the Dutch Power Sector

Fact Sheet Series

DELTA

Joseph Wilde-Ramsing, Tim Steinweg, Maaïke Kokke

DELTA

1 Introduction

This series of fact sheets is designed to investigate the Dutch power sector and raise public awareness about the sustainability of power companies operating in the Netherlands. The series consists of ten company fact sheets and four thematic fact sheets, for a total of 14. The ten company fact sheets focus on ten of the Netherlands' leading power companies: DELTA, Electrabel, Eneco, E.ON, Essent, Greenchoice, Nuon, Oxxio, RWE, and Windunie. For each company, the fact sheet will contain information on four measures of sustainability: the company's current fuel mix for installed electricity generation capacity in Europe, current fuel mix of electricity supplied in the Netherlands, investments in new generating capacity in Europe, and initiatives to encourage consumers to become more sustainable in their energy use by conserving energy and reducing overall use (demand-side initiatives) in the Netherlands. The thematic fact sheets focus on these same four areas and compare the ten companies' performance in each area. Information for the fact sheets has been gathered from news articles and databases; company sources such as websites, annual reports and CSR reports; and personal interviews with the companies. All of the companies were given and used the opportunity to review a draft of their fact sheet, provide comments, and correct any factual errors. Funding for the fact sheets was provided by Greenpeace. All fact sheets in this series are available on the SOMO website at www.somo.nl.

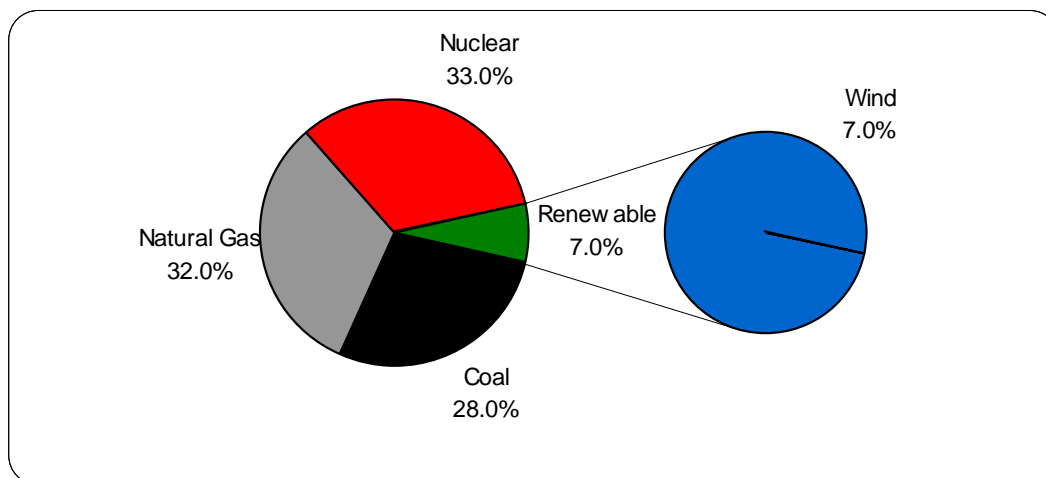
2 Basic company information

DELTA NV is a multi-utility company that supplies a wide range of products and services: electricity, gas and water, water treatment, solar cells, waste management, radio and television signals, internet and digital telephony over cable. It is a major electricity producer and manages and maintains the networks for electricity, gas, water and cable. The company operates across the entire electricity supply chain, from generation and fuel purchasing to industrial end-user sales. DELTA's core activity is providing electricity, gas, water, cable and internet services to domestic customers. Another key area of activity is the corporate market, where the emphasis lies on energy, water (including industrial water) and waste management. There is a strong interrelationship between these activities. DELTA has its roots in the province of Zeeland. From its base in this province its activities extend to the markets across the Netherlands and other parts of the Benelux region.

3 Installed capacity for electricity generation in Europe

Figure 1 reveals the fuel mix of DELTA's electricity generation capacity in 2007. DELTA's total generating capacity in the Netherlands is 750 MW.¹

Figure 1: Fuel mix of DELTA's installed electricity generation capacity, 2007

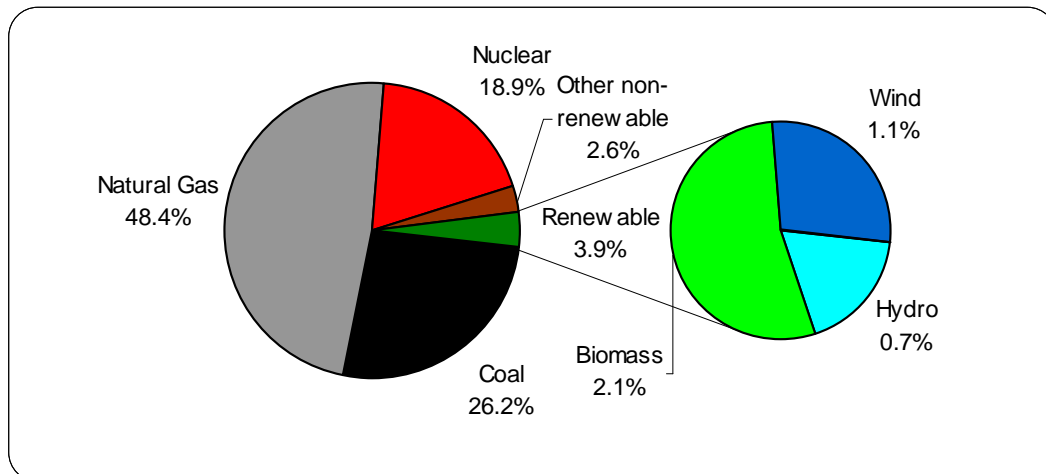


Based on: DELTA²

4 Electricity supplied in the Netherlands

Figure 2 shows the fuel mix of energy supplied by DELTA in the Netherlands, and Table 1 presents the CO₂ emissions and radioactive waste production resulting from the generation of the electricity that RWE supplies in the Netherlands.

Figure 2: Fuel mix of electricity supplied by DELTA, 2007



Based on: DELTA stroometiket 2007

Table 1: Emissions and waste resulting from DELTA's electricity supply, 2007

Indicator	Amount
CO ₂ (g/kWh)	427.6
Radioactive waste (µg/kWh)	570

Based on: DELTA stroometiket 2007

5 Announced investments in new generation capacity in Europe

DELTA's aim is to increase its generating capacity to 2,000 MW by 2015. The company is strongly in favour of bolstering Dutch nuclear generating capacity. In addition, DELTA is pushing the development of sustainable generating capacity in the form of biomass, wind and solar power. The Sloe Centrale is a combined heat and power (CHP) project, while the project in Moerdijk is a stand-alone biomass plant. Table 2 indicates the specifics of these investments.

Table 2: DELTA's announced investments in new production capacity

Project name	Location	Fuel Type	Date in operation	Amount (€)	Output Capacity (MW)	Project Status
Sloe Centrale	Vlissingen (NL)	Natural gas (CHP)	2009	550 million ³	870 ⁴	Under construction
BMC Moerdijk	Moerdijk (NL)	Biomass ⁵	September 2008	120 million ⁶	36.5 ⁷	Under construction

Based on: DELTA⁸

Table 3 shows investment plans that Delta has announced or that have appeared in newspaper reports, but for which construction has not yet been initiated.

Table 3: DELTA's announced plans for investment in new capacity

Project name	Location	Fuel Type	Date in operation	Amount (€)	Output Capacity (MW)	Status
Indaver Gas-fired Power Station	Beveren (BE)	Natural gas	Unknown	Unknown	400	Feasibility study
Intended modernisation of the coal-fired power station	Borssele (NL)	Coal	Unknown	Unknown	Unknown	Planning phase
Intended modernisation of the nuclear power plant	Borssele (NL)	Nuclear	Unknown	Unknown	Unknown	Planning phase
Set of wind turbines	Unknown (NL)	Wind	Unknown	Unknown	Unknown	Planning phase
Building a second nuclear power plant	Unknown (NL)	Nuclear	Unknown	Unknown	Unknown	Planning phase
Oosterscheldekering project	Oosterscheldekering (NL)	Wind	Unknown	Unknown	Unknown	Planning phase

Based on: DELTA⁹

6 Demand-side initiatives

DELTA's demand-side initiatives include:

- In cooperation with certified advisors, DELTA takes care of requests for energy labels. In addition, DELTA offers its clients an energy test that shows them how much energy they consume in comparison with the national average. DELTA offers the test in a brief and an extensive version. DELTA also offers its clients a test that shows them how green/energy conserving they act in their daily life.

- On its website, DELTA gives its clients information about the power consumption of home appliances. DELTA publishes a number of energy use reduction tips and climate tips. It also brings out a free newsletter with information about sustainability and energy saving.
- On its website, DELTA offers its clients free information on solar panels, solar boilers and relevant subsidies, amongst other by means of a step-by-step plan. DELTA sells solar panels and gives its clients the possibility to choose for a free personal advice visit at home and on payment, the installation of the panels. DELTA also sells solar boilers.
- By means of the free initiative 'DELTA bespaar direct', clients can keep an eye on their energy consumption by filling in their meter reading regularly. After filling in their meter reading, they can see if their consumption decreased over time and they can compare their consumption with the national average.

¹ Delta Annual Report 2007, p. 43.

² E-mail communication with Mr. Peter Couwenberg (02-09-08).

³ EDF, "EDF and Dutch energy company Delta announce the joint building and operation of a gas-fired combined-cycle power plant in the Netherlands", 19 March 2007, <http://www.edf.fr/the-edf-group/press/press-releases/noeud-communiqués-et-dossier-de-presse/communiqués-2007-en/edf-and-dutch-energy-company-delta-announce-the-joint-building-and-operation-of-a-gas-fired-combined-cycle-power-plant-in-the-netherlands-94895.html> (24-07-08)

⁴ The Sloe Power Station is a 50-50 joint project by DELTA and the French company Electricité de France. The companies will jointly invest EUR 550 million.

⁵ The plant is designed to turn more than 400,000 tonnes of poultry litter into electricity.

⁶ Utilities, "Moerdijk krijgt kippenmest centrale", no date, http://www.utilities.nl/nieuws/index.php?option=com_content&task=view&id=174&Itemid=39 (24-07-09)

⁷ BMC Moerdijk is a joint venture of DELTA, Coöperatie DEP, ZLTO and Austrian Energy & Environment.

⁸ DELTA Annual Report 2007

⁹ Idem, p. 33 & 43.