Statistical Yearbook 2003
union for the co-ordination of transmission of electricity
# Table of contents

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction</td>
<td>4</td>
</tr>
<tr>
<td>Terminology index</td>
<td>5</td>
</tr>
<tr>
<td>I. Monthly values:</td>
<td></td>
</tr>
<tr>
<td>Operation and physical exchange balance (per country for the years</td>
<td>7</td>
</tr>
<tr>
<td>II. Load values</td>
<td>89</td>
</tr>
<tr>
<td>III. Tables and graphs</td>
<td>109</td>
</tr>
<tr>
<td>IV. Terminology</td>
<td>167</td>
</tr>
</tbody>
</table>
Introduction

What is UCTE?

The «Union for the Co-ordination of Transmission of Electricity» (UCTE) is an association of transmission system operators in continental Europe, providing a reliable market base by efficient and secure electrical «power highways». The interconnected system ensures the technical condition for the reliable operation, and provides benefit for all market participants because they guarantee market access.

For more than fifty years UCTE has been co-ordinating by a variety of technical rules and recommendations the international operation of high voltage grids that all work with one «heart beat»: the 50 Hz UCTE frequency. UCTE is committed to the development of the system to meet all new market requirements, but without losses in terms of reliability for the existing system. The UCTE network brings a safe electricity supply for some 450 million people. Therefore UCTE handles one of the biggest electrical synchronous interconnections worldwide. This technical solution provides the possibility of the free market operation.

Keyfigures

33 Transmission System Operators (TSO)
22 European Countries
450 million People served by the represented power systems
535 GW Installed capacity
2400 TWh Electricity consumption in 2003
270 TWh Sum of electricity exchange between member TSO’s under rules of UCTE
220,000 km Length of high-voltage transmission lines managed by the TSO’s

UCTE activities include the preparation of a statistical yearbook. This publication is the result of the ongoing efforts of the Working Group “Statistics”, the national correspondents and the UCTE Secretariat on the development, processing and production of appropriate statistics.

Part of the statistical data are used for various graphical representations in other publications such as the Half-yearly Reports, the Memo and the Monthly Statistics, which are amongst others all available on the web site "http://www.ucte.org". Figures indicated for the various countries may differ from other national statistics published, since the former will only describe that part of the electricity supply system which is concerned with interconnected system operation. Consequently, these data will not be representative of the entire electricity supply system in any given country. This yearbook is therefore mainly a document, which has been produced to meet the needs of members of the UCTE.

The national correspondents responsible for the production of national data published in this yearbook are listed below. They will be able to provide information on the contents and the interpretation of these statistics.

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Statistical Yearbook UCTE 2003
The Terminology Index contains all terms used in this Statistical Yearbook. The corresponding explanations are available on the UCTE internet site (www.ucte.org) under "Statistics / General Terms" on the mentioned chapters.

Explanations to the UCTE Power Balance (Table 8a and Table 8b) are also available on the UCTE website under "Statistics / Terms of Power Balance".

A
Auto-producer 4.1.2
Autoconsumption 2.17
Autonomous generator 4.1.1.2

C
Circuit length of an electrical line or cable 4.8
Circuit of an electrical line or cable 4.7
Classification of electricity service utilities 4.1
Classification of fuels 4.5
Classification of hydro-electric head installations 4.3
Classification of thermal power stations and other sources 4.4
Closed power stations 4.6
Combined cycle systems 4.4.1
Commercial operation 4.2.5
Consents received 4.2.1.1
Consumption of pumps 2.4
Conventional thermal power stations 4.4.1

D
Demand 3.1
Diesel-type engines 4.4.1
Different types of head installations with pumping 4.3.3

E
Electrical energy absorbed by generating auxiliaries 2.6
Electrical energy absorbed by pumping 2.4
Electrical energy capability of a reservoir 2.12
Electrical energy supplied to the network 2.3
Electricity service utilities 4.1.1.1
Energy capability 2.9
Energy capability factor of a hydro-electric region 2.11
Exchange of physical electrical energy 2.16

F
First synchronised to the network 4.2.3

G
Gas turbines 4.4.1
Gaseous fuels 4.5
Gross electrical energy production 2.5

I
Imports/exports 2.15
Interconnection 4.10

L
Liquid fuels 4.4.1
Load 3.1
Losses in the main generator transformers 2.7
Terminology index

M
Margin for the monthly maximum load 4.8
Maximum electrical capacity 3.3
Maximum electrical capacity of a hydro-electric head installation 3.4
Maximum electrical capacity of a unit or thermal power station 3.5
Mean energy capability 2.10
Mixed pumped storage head installation 4.3.5M
Margin for the monthly maximum load 4.8
Maximum electrical capacity 3.3
Maximum electrical capacity of a hydro-electric head installation 3.4
Maximum electrical capacity of a unit or thermal power station 3.5
Mean energy capability 2.10
Mixed pumped storage head installation 4.3.5

N
National electrical consumption 2.2
National net electrical consumption 2.1
Net electrical energy production 2.8
Network losses 2.18
Nuclear power stations 4.4.2

O
Operating electrical energy reserve of a reservoir 2.13
Operating transmission lines 4.9
Other power sources 4.4.3
Overhauls of thermal power stations 3.8

P
Physical load flow between neighbour countries 3.6
Placing main contracts 4.2.1.3
Planning phase 4.2.1
Post-synchronising operation 4.2.4
Power produced in parallel operation 3.7
Preliminary works 4.2.1.2
Public supply 4.1.1
Pure pumped storage head installation 4.3.4

R
Rated capacity 3.2
Reference power 3.5
Reliable capacity 3.9
Representativity 1
Reservoir electrical energy fullness factor 2.14
Run-of-river head installations 4.3.1

S
Solid fuels 4.5
Stages during construction of a power station 4.2
Steam turbines 4.4.1
Storage head installations 4.3.2
Surplus of available capacity 3.10

T
Total generating and purchase power capacity 4.6

U
Under construction 4.2.2

W
Waste and biomass 4