Statkraft's Annual and Sustainability
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## ANNUAL AND CORPORATE RESPONSIBILITY REPORT

## ANNUAL REPORT <br> Page <br> CORPORATE RESPONSIBILITY REPORT




## FINANCIAL KEY FIGURES

| STATKRAFT AS GROUP | UNTT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| From the income statement |  |  |  |  |  |  |
| Gross operating revenues | Nok mill | 22371 | 29252 | 25675 | 25061 | 17619 |
| Net operating revenues | NOK mill | 17094 | 23176 | 16983 | 23601 | 13261 |
| EBITDA | NOK mill | 9767 | 15955 | 9769 | 18171 | 8881 |
| Operating profit | NOK mill | 6203 | 12750 | 7027 | 16618 | 7242 |
| Share of profit from associates | NoK mill | 898 | 766 | 1179 | 935 | 2613 |
| Net financial items | NOK mill | -3635 | -917 | 4281 | 20267 | -1 090 |
| Profit before tax | NOK mill | 3466 | 12599 | 12487 | 37820 | 8765 |
| Net profit | NOK mill | 40 | 7451 | 7716 | 33262 | 6632 |
| Items exluded from underlying business |  |  |  |  |  |  |
| Unrealised changes in value energy contracts | NOK mill | -1 152 | 62 | -2 182 | 3921 | -651 |
| Non-recurring items | NOK mill | -1 035 | 70 | -108 | 307 |  |
| Underlying business** |  |  |  |  |  |  |
| Gross operating revenues | NOK mill | 22298 | 28990 | 25044 | 25422 | 17531 |
| Net operating revenues | NOK mill | 18120 | 22721 | 19165 | 19680 | 13912 |
| EBITDA | NOK mill | 10851 | 15161 | 11951 | 14250 | 9532 |
| Operating profit | NOK mill | 8390 | 12618 | 9316 | 12390 | 7893 |
| From the balance sheet |  |  |  |  |  |  |
| Property, plant \& equipment and intangible assets | Nok mill | 84348 | 80772 | 80516 | 77035 | 57817 |
| Investments in associates | NOK mill | 16109 | 17090 | 16509 | 14387 | 32131 |
| Other assets | NOK mill | 43421 | 58105 | 46980 | 52877 | 20164 |
| Total assets | NOK mill | 143878 | 155967 | 144005 | 144299 | 110112 |
| Total equity | NOK mill | 65651 | 75302 | 64901 | 72324 | 44418 |
| Interest-bearing debt | NOK mill | 36887 | 40486 | 45660 | 40791 | 37284 |
| Capital employed, basic ${ }^{1 /}$ | NOK mill | 62546 | 66722 | 65486 | 67584 | 42628 |
| Cash flow |  |  |  |  |  |  |
| Net change in cash flow from operating activities | NOK mill | 9523 | 13577 | 12714 | 11499 | 7720 |
| Dividend for the year to owner (incl. minority interests) | NOK mill | 9400 | 7964 | 10260 | 8396 | 6462 |
| Depreciation | NOK mill | 3564 | 3205 | 2743 | 1553 | 1639 |
| Maintenance investments ${ }^{2 /}$ | NoK mill | 1129 | 1000 | 1308 | 796 | 571 |
| Expansion investments in new generating capasity ${ }^{3 /}$ | NOK mill | 5217 | 1852 | 2447 | 1196 | 1413 |
| Investments in shareholdings ${ }^{4 \prime}$ | NOK mill | 1923 | 888 | 1152 | 581 | 1800 |
| Cash and cash equivalents | NOK mill | 8284 | 20052 | 6663 | 2209 | 3150 |
| Unused drawing rights | NoK mill | 14200 | 9074 | 8785 | 8400 | 5400 |
| Financial variables |  |  |  |  |  |  |
| FFO interest coverage ${ }^{5}$ | x | 7,3 | 10,5 | 5,7 | 7,5 | 5,3 |
| FFO/net debt | \% | 33,1 | 72,0 | 21,9 | 37,9 | 20,6 |
| Interest-bearing debt ratio ${ }^{\text {6) }}$ | \% | 36,0 | 35,0 | 41,3 | 36,1 | 45,6 |
| Equity ratio ${ }^{7}$ | \% | 45,6 | 48,3 | 45,1 | 50,1 | 40,3 |
| Long-term rating - Standard \&Poor's |  | A- | A- | A- | BBB+ | BBB+ |
| Long-term rating - Moody's |  | Baa1 | Baa1 | Baa1 | Baa1 | Baa1 |
| Key figures, accounts |  |  |  |  |  |  |
| EBITDA-margin, accounts ${ }^{8)}$ | \% | 44 | 55 | 38 | 73 | 50 |
| EBITDA-margin, underlying ${ }^{8)}$ | \% | 49 | 52 | 48 | 56 | 54 |
| ROACE before tax ${ }^{9}$ ) | \% | 13,9 | 19,7 | 14,2 | 27,2 | 17,5 |
| Net return on investments in associated companies ${ }^{10}$ | \% | 5,6 | 4,5 | 7,1 | 6,5 | 8,1 |
| Return on total assets after tax ${ }^{11)}$ | \% | 0,8 | 6,0 | 7,0 | 27,9 | 7,4 |
| Return on total equity after tax ${ }^{12)}$ | \% | 0,1 | 11,8 | 11,9 | 57,0 | 16,7 |
| Tax rate ${ }^{13)}$ | \% | 98,9 | 40,9 | 38,2 | 12,1 | 24,3 |
| Key figures, upstream business* |  |  |  |  |  |  |
| Production cost/KWh ${ }^{14)}$ | $\emptyset \mathrm{re} / \mathrm{kWh}$ | 7,3 | 7,1 | 7,0 | 6,4 | 5,9 |
| Production capacity *** | TWh | 52,2 | 51,7 | 51,2 | 50,0 | 42,4 |
| Production, actual | TWh | 51,5 | 57,4 | 57,0 | 53,4 | 44,9 |
| Installed capacity | MW | 16430 | 16010 | 15806 | 15478 | 12028 |
| Wholly and partly owned power plants | Number | 301 | 282 | 277 | 264 | 170 |
| Key figures, downstream business* |  |  |  |  |  |  |
| No. of distribution grid customers | 1000 | 181 | 181 | 275 | 273 | 271 |
| Energy supplied | TWh | 7,1 | 7,8 | 10,0 | 9,1 | 9,1 |
| Distribution grid capital (NVE capital) ${ }^{15)}$ | NOK mill | 2690 | 2782 | 3627 | 3614 | 3657 |
| No. of end user costumers | 1000 | 408 | 400 | 397 | 401 | 401 |
| Total volume supplied | twh | 11,9 | 13,0 | 11,6 | 11,4 | 2,2 |
| No. of distric heating customers | 1000 | 12 | 11 | 10 | 8 | 3 |
| Distric heating supplied | TWh | 0,8 | 1,0 | 0,9 | 0,5 | 0,5 |
| Market variables |  |  |  |  |  |  |
| System price, Nord Pool | EUR/MWh | 47,2 | 53,1 | 35,0 | 44,7 | 27,9 |
| Spotprice, European Energy Exchange | EUR/MWh | 51,1 | 44,6 | 38,9 | 65,8 | 38,0 |
| Electricity consumption in the Nordic market | TWh | 376 | 393 | 381 | 390 | 395 |
| Electricity generated in the Nordic market, actual | TWh | 371 | 374 | 372 | 391 | 393 |
| Statkraft's share of Nordic electricity production | \% | 13,9 | 15,3 | 15,3 | 13,7 | 11,4 |

The numbers for 2007-2011 are in acordace with IFRS
Key figures include consolidated companies (not associates) in Norway.
** Ajusted for unrealised changes in values and material non-recurring items.

7) $\frac{\text { Total equity } \times 100}{\text { Total assets }}$
${ }^{\text {8) }} \frac{\text { Operating profit before depreciation } \times 100}{\text { Gross operating revenues }}$

9) | Operating profit $\times 100$ |
| :--- |
| Average capital employed, basic |
| 10) $\frac{\text { Share of profit from associates } \times 100}{\text { Investments in associates }}$ | .

(Net profit + financial expenses $\times 0.72) \times 100$
$\frac{11}{} \frac{\text { Net profit }+ \text { financial }}{\text { Average total assets }}$

## NON-FINANCIAL KEY FIGURES

The table presents Statkraft's most important results as regards environment, health and safety, corporate citizenship and employees for the period 2007-2011 More detailed results can be found in the corporate social responsibility statement.

|  | UNIT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Environmentally friendly energy ${ }^{\text {a }}$ |  |  |  |  |  |  |
| Installed capacity | mw | 16430 | 16010 | 15806 | 15478 | 12335 |
| Of which hydropower | mw | 13249 | 12969 | 12774 | 12546 | 10573 |
| Of which wind power | mW | 321 | 304 | 305 | 245 | 245 |
| Of which gas power ${ }^{\text {c }}$ | mW | 2178 | 2178 | 2160 | 2130 | 1210 |
| Of which biopower | MW | 16 | 16 | 16 | 16 |  |
| Of which district heating | MW | 666 | 544 | 548 | 541 | 327 |
| Capacity under development ${ }^{\text {d }}$ | MW | 1923 | - | - | - | - |
| Of which hydropower | MW | 1037 | - | - |  |  |
| Of which wind power | mW | 344 |  | - | - |  |
| Of which gas power ${ }^{\text {c }}$ | MW | 430 |  | - | - |  |
| Of which district heating | mw | 112 |  |  |  |  |
| Power production, actual | TWh | 51.5 | 57.4 | 56.9 | 53.4 | 44.9 |
| Of which hydropower | TWh | 46.0 | 50.1 | 50.1 | 47.4 | 42.7 |
| Of which wind power | TWh | 0.8 | 0.6 | 0.6 | 0.6 | 0.7 |
| Of which gas power ${ }^{\text {c }}$ | TWh | 4.6 | 6.6 | 6.1 | 5.4 | 1.5 |
| Of which biopower | TWh | 0.1 | 0.1 | 0.1 |  |  |
| District heating | TWh | 0.8 | 1.1 | 0.9 | 0.5 | 0.5 |
| Percentage of renewable power productione | \% | 90.8 | 88.1 | 89.1 | 89.7 | 96.4 |

${ }^{\text {a }}$ Includes Statkraft's shareholdings in subsidiaries where Statkraft has a majority interest.
${ }^{5}$ Installed capacity includes power plants and district heating plants included in the E.ON transaction and the consolidation of SN Power, effective January 2009,

- Includes the jointly controlled Herdecke (Germany) and Kårstø (Norway) power plants.
${ }^{\circ}$ Includes projects where an investment decision has been made.
${ }^{\text {e }}$ Non-renewable production includes gas power and district heating based on fossil fuels.

|  | UNIT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Emissions and environmental incidents |  |  |  |  |  |  |
| Emission of $\mathrm{CO}_{2}$ equivalents | Tonnes | 1161900 | 1693400 | 1600100 | 1604700 | 291600 |
| Environmental incidents ${ }^{\text {a }}$ |  |  |  |  |  |  |
| Serious environmental incidents | Quantity | 0 | 0 | 0 | $1{ }^{\text {b }}$ | - |
| Less serious environmental incidents | Quantity | 185 | 92 | 118 | 21. |  |
| The definitions for environmental incidents were changed in 2008. Environmental incidents for $2006-2007$ are recorded in a different format and results from this period are therefore not comparable with 2008-2010. <br> ${ }^{b}$ Covers only July-December. |  |  |  |  |  |  |


|  | UNIT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Health and safety |  |  |  |  |  |  |
| Fatal accidents |  |  |  |  |  |  |
| Consolidated operations | Quantity | 1 | 0 | 2 | 0 | 0 |
| Associated operations | Quantity | 4 | 5 | 6 | 9 | 5 |
| LTI rate |  |  |  |  |  |  |
| Employees | Frequency ${ }^{\text {a }}$ | $4.5{ }^{\text {c }}$ | 3.4 | 3.8 | 4.6 | 5.9 |
| Contractors | Frequency ${ }^{\text {a }}$ | $3.4{ }^{\text {c }}$ | 13.6 | 8 | - | - |
| TRI rate |  |  |  |  |  |  |
| Employees | Frequency ${ }^{\text {b }}$ | $10.0{ }^{\circ}$ | 6.8 | 8.4 | 12.1 | 16.5 |
| Contractors | Frequency ${ }^{\text {b }}$ | $6.2{ }^{\text {c }}$ | 16.4 | - |  |  |
| Absence due to illness | \% | 3.4 | 3.4 | 3.3 | 3.9 | 3.9 |
| ${ }^{\text {a }}$ Lost-time injuries per million hour <br> b Injuries per million hours work |  |  |  |  |  |  |


|  | UNIT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Contribution to society |  |  |  |  |  |  |
| Distribution of value created |  |  |  |  |  |  |
| Owner ${ }^{\text {a }}$ | NOK mill | 4288 | 5973 | 3740 | 10000 | 6837 |
| The Norwegian state and municipalities ${ }^{\text {b }}$ | NOK mill | 4987 | 6679 | 6202 | 5524 | 3301 |
| Lenders | NOK mill | 1630 | 1607 | 3756 | 3066 | 1717 |
| Employees | NOK mill | 2453 | 2092 | 2253 | 1594 | 1419 |
| The company | NOK mill | -4 517 | 1121 | 3792 | $23382^{\circ}$ | -371 |

a Includes dividend and Group contribution from Statkraft AS to Statkraft SF, and minority interests.
${ }^{\text {b }}$ Taxes and fees include taxes, property tax, licence fees and employers' contribution

- Changes in equity are mainly related to the E.ON asset swap.

|  | UNIT | 2011 | 2010 | 2009 | 2008 | 2007 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Employees and recruitment |  |  |  |  |  |  |
| Full-time equivalents at 31 Dec. | Quantity | 3358 | 3301 | 3378 | $2633^{\text {a }}$ | 2287 |
| Percentage of women |  |  |  |  |  |  |
| Total | \% | 23 | 23 | 22 | 24 | 24 |
| In management positions | \% | 20 | 22 | 23 | 21 | 22 |
| Apprentices employed 31 Dec. | Quantity | 79 | 79 | 93 | 48 | 49 |
| Trainees employed 31 Dec. | Quantity | 22 | 26 | 29 | 35 | 23 |
| Preferred employer ${ }^{\text {b }}$ |  |  |  |  |  |  |
| Economics students | Ranking | 30 | 17 | 25 | 43 | 53 |
| Engineering students | Ranking | 7 | 5 | 5 | 15 | 28 |

a- Includes 183 full-time equivalents in connection with the E.ON agreement.
${ }^{\text {b }}$ Ranking of preferred employer among graduate students. Source: Universum Graduate Survey

The annual report is published both on web and in printed edition. The printed copy of annual report contains financial statements, report from Board of Directors and corporate responsibility statement. Complete annual report including corporate responsibility reporting , Corporate governance reporting and additional information can be viewed and downloaded from www.statkraft.com or directly from arsrapport2011.statkraft.com

Good corporate governance contributes to value creation

Statkraft's corporate governance shall contribute to sustainable and lasting value creation in the Group. The company will create long-term value for shareholders, employees and other stakeholders through good and transparent governance. Statkraft will build confidence in its surroundings
through predictability and credibility. Good relations with the community and especially those third-parties who are affected directly by the business will be obtained and maintained by open and accessible communication.


# STATKRAFT $\Rightarrow$ LEADER IN RENEWABLE ENERGY \# CREATING \# CREATING SIGNIFICANT VALUE 




GROSS INVESTMENTS IN 2011


TOTAL POWER<br>GENERATION



TOTAL TAXES AND FEES IN NORWAY

## DELIVERS

TWh

## TO THE INDUSTRY ANNUALLY

NOK 5 billion. The largest disbursements were between NOK 64 million and NOK 96 million and went to the local authorities in Vinje, Hemnes, Suldal, Rana and Odda.

In 2011, the company invested a total gross of NOK 9 billion, of which NOK 3.64 billion in Norway. The company purchased goods and services for almost NOK 6 billion from 8000 suppliers.

Statkraft participates in the development of small-scale hydropower plants in cooperation with local landowners through its shareholding in Småkraft AS. Statkraft is a main supplier of power for the power-intensive industry and delivers more than 20 TWh to the industry annually. This is about onethird of the company's total production.

The company has three R\&D programmes closely linked to the Group's strategic focus areas. Innovation and R\&D leads to better utilization of resources.

Several upgrade and expansion projects in older hydropower plants exemplify this. In Høyanger on the Norwegian west coast, two old power plants are now being replaced by three new ones built inside the mountain, while pipelines and cables are underground.

MUNICIPALITIES



EMPLOYEES

## INTERNATIONALLY

The biggest part of Statkrafts production is in the Nordic countries (hydropower) and Germany (water and gas). In addition, the Group is exposed in other European markets as well as markets outside Europe. The Statkraft group has 3400 employees in countries in the Nordic region, Europe, Asia and South America. The Group is a significant developer of hydropower internationally through the company SN Power. Statkraft also builds hydropower in Turkey. In Sweden, several wind farms are under development and the Sheringham Shoal offshore wind farm in the UK will be completed this year.

The growth is driven by growing demand and need for energy with the lowest possible carbon emissions.

In Europe, Nordic hydropower will play a significant role as the need for flexible power grows with the increasing share of solar and wind power. The flexible hydropower production, combined with more cables for power exchange between the Nordic region and the Continent, represents a significant potential for long-term, sustainable value creation.

# REPORT FROM THE BOARD OF DIRECTORS 2011 

2011 was a year characterised by major fluctuations in the resource situation in the Nordic region. At the start of the year, the situation was tight and power prices high, but the situation improved significantly through the year and the reservoir water levels in the Nordic region were far higher than normal at year-end. The Nordic power prices fell as the reservoir water levels rose, and were on average $11 \%$ lower than in 2010. Statkraft's power plants had high uptime rates, but hydropower production was lower than in 2010 due to the market situation. The gas power production was also lower than in 2010 as a result of periods with negative margins. Total production in 2011 was 51.5 TWh, 10\% lower than in 2010. Due to negative unrealised changes in value and non-recurring items, the result for the year after tax was slightly positive. Underlying operations were solid with an EBITDA margin of $49 \%$. The amounts invested increased in accordance with the strategy, reaching a gross total of about NOK 9 billion.

## IMPORTANT EVENTS AND STRATEGY ACHIEVEMENT IN 2011

In 2010, Statkraft's strategy was focused on areas where its comparative advantages were considered to be best suited to create maximum values for the owner and society in general. The new strategy aimed for growth in five areas:
$\rightarrow$ European flexible power production and market operations
$\rightarrow$ International hydropower
$\rightarrow$ Wind power in Norway, Sweden and the UK
$\rightarrow$ District heating
$\rightarrow$ Small-scale hydro in Norway

In 2011, the Group reached several milestones in its focus areas

Nordic and other European flexible power production and market operations Statkraft increased the long-term power contract volume, and several new contracts were entered into in 2011. The new power agreements starting delivery in 2011 and 2012 amount to a total annual volume of 6.6 TWh, and the Group's total long-term contract volume is now about 20 TWh per year. These are agreements entered into with mainly Norwegian companies.

In Norway, Statkraft is upgrading its hydropower plants with a budget exceeding NOK 1 billion. In Sogn og Fjordane County, Statkraft is constructing the Eiriksdal and Makkoren hydropower plants to replace three older power plants which will be shut down, and Nedre Røssåga power plant in Nordland County is also undergoing modernisation. The Eiriksdal and Makkoren development is scheduled for completion in 2014, while the modernisation of Nedre Røssåga is scheduled for completion in 2015. In addition, efforts are underway to expand Svartisen power plant in Nordland with a new unit. The expansion has been delayed 15 months due to technical problems, and is expected to resume operation in late 2012. The total investment for the Svartisen expansion is about NOK 400 million.

The supply of new renewable energy to the market over the course of 2011, combined with falling power prices and high gas prices, resulted in low margins for gas power plants in Germany. The German power market is in substantial and rapid change, and this, combined with low demand, has caused Statkraft to write down the gas and biopower plant portfolio and to decide that the older Emden 4 gas power plant in Germany will be put in cold reserve with reduced workforce. This capacity will be replaced by expansion of a different gas
power plant, Knapsack II ( 430 MW ), where construction started in 2011 and will be completed in 2013. The total investment for the plant is about NOK 3 billion.

International hydropower Statkraft decided to start construction of the Cetin project in south-eastern Turkey. The project will consist of two power plants of 401 MW and 116 MW , respectively, combined with a regulation reservoir. The project is scheduled for completion in the second half of 2015 . The expected cost is about NOK 4 billion. In addition, Statkraft is constructing the Kargi hydropower plant in Turkey. The 102 MW plant is scheduled for completion in late 2013, and has an investment ceiling of NOK 2 billion.

Through the subsidiary SN Power, acquisitions were made in the Brazilian company Enerpar and an agreement entered into to acquire $40.65 \%$ of the shares in the Brazilian company Desenvix. Enerpar (wholly owned) is a power trading company, while Desenvix develops, builds and owns small and medium-sized hydropower plants. The acquisition of the stake in Desenvix was completed on و March 2012.

The total rehabilitation of the Ambuklao power plant in the Philippines, which SN Power owns together with Aboitiz, was completed and the power plant is now in full production. The plant has an installed capacity of 105 MW and an annual mean production of about 332 GWh.

SN Power's subsidiary Agua Imara has decided to develop the Bajo Frio power plant in Panama. The project will be realised with a local partner. The 58 MW power plant is scheduled for completion in the summer of 2014 and has a development cost of about USD 200 million.

SN Power acquired the remaining $20 \%$ of the shares in Norvind and now wholly owns a 46 MW wind farm in Chile. The acquisition took place in combination with SN Power divesting itself of Hidroeléctrica Trayenko in Chile.

At the end of 2011, the Group had five power plants under construction outside of Northern Europe - Kargi ( 102 MW) and Cetin ( 401 MW and 116 MW) in Turkey, Cheves ( 168 MW) in Peru and Bajo Frio ( 58 MW ) in Panama. The total investment for these developments is expected to reach about NOK 9.5 billion. In addition, Statkraft SF has a $20 \%$ shareholding in Theun Hinboun in Laos, which will be expanded by two power plants to increase the capacity from 220 MW to 500 MW .

Wind power The Group approved and started the construction of three wind farms. Stamåsen ( 60 MW ) and Mörttjärnberget ( 85 MW ) in Sweden are scheduled for completion in 2012 and 2013, respectively, and Baillie in Scotland (52.5 MW) is scheduled for completion in 2012. The total investment for these projects is about NOK 2.8 billion.

In addition, Statkraft and Statoil are building the Sheringham Shoal offshore wind farm ( 317 MW ) off the coast of the UK. At the end of 2011, 21 wind turbines had been installed, of which ten were in operation. The farm is scheduled for completion in 2012. This is the Group's first offshore wind construction project. The project has suffered cost overruns and delays, and the value of the plant has been written down.

District heating Statkraft was awarded a licence to develop 45 GWh of district heating in Ås. The initial heating delivery has been scheduled for 2012. The total investment amounts to about NOK 170 million, and Statkraft has been granted NOK 38 million in subsidies from Enova.

Statkraft acquired Bio Varme. The business includes 80 GWh in operation, 50 GWh under development and 70 GWh under planning.

Small-scale hydro Småkraft started operations at four new plants in 2011. At the end of the year, the company had 28 power plants in operation (annual production of 328 GWh ) as well as 21 legally binding licences ( 183 GWh ).

$\Rightarrow$ SVEIN AASER
Chairman of the Board and Chair of Statkraft's Compensation Committee, Board member since 2010

## EBITDA AND NET PROFIT*

## NOK mill.



- EBITDA, underlying operations*
- Profit before tax, underlying operations* Net profit, financial

[^0]Other important events Statkraft sold the real estate company Sluppen Eiendom AS in Trondheim with a booked gain of NOK 126 million.

Fjordkraft AS sold the shareholding in Scanenergi AS and Scanenergi Elsalg AS with a booked gain of NOK 123 million.

Changes in the corporate management team Jens Bjørn Staff became the new CFO on 1 October. In addition, the corporate management team consists of Christian RynningTønnesen (President and CEO), Hilde Bakken (Staffs), Asbjørn Grundt (Market operations and IT), Steinar Bysveen (Generation and Industrial Ownership), Øistein Andresen (International Hydropower) and Jon Brandsar (Wind Power and Technologies).

Health and safety There was one fatal accident in consolidated operations and four in associates. A contractor died in connection with a development project in Turkey, where Statkraft owns 100\%, three contractor employees died in connection with a development project in Theun Hinboun Power Company in Laos, where Statkraft SF owns 20\%, and one employee died in the Istad Group in Norway, where Statkraft owns $49 \%$. All accidents have been investigated and followed up. To achieve the goal of zero working accidents with serious consequences, the work to follow up and implement preventive activities in the operations and projects will be strengthened. Furthermore, high safety requirements are also set for partners and suppliers.

## MAJOR TRANSACTIONS IN RECENT YEARS

In recent years, Statkraft has carried out several transactions, with the asset swap with E.ON AG at the end of 2008 and the acquisition of SN Power in 2009 being the largest. The former transaction entailed that E.ON AG acquired Statkraft's shareholding of 44.6 \% in E.ON Sverige $A B$ in return for assets and a 4.17 shareholding in E.ON AG. The swap trade yielded a gain of NOK 25.6 billion. The acquisition from $50 \%$ to $60 \%$ in SN Power meant that the company went from being a joint venture to a subsidiary.

Parts of the business Statkraft acquired from E.ON AG have had a satisfactory development and have generated positive results. The E.ON AG shareholding has fallen significantly in value, and the value was NOK 10.8 billion at the end of 2011. This is NOK 12.3 billion lower than at the acquisition on 31 December 2008. More than one-third of the lower value is due to unrealised currency losses. Investments in E.ON Sverige AB (formerly Sydkraft) have yielded a return, from the shares were acquired, of about $10 \%$ annually based on the current value of the assets and the E.ON shares.

SN Power represents one of the Group's focus areas and has a high activity level in connection with project developments. In spite of relatively high costs in connection with growth, the company has had a positive development since Statkraft's acquisition, and the contribution from associates and joint ventures has increased in recent years and amounted to NOK 459 million in 2011.

## FINANCIAL PERFORMANCE ${ }^{1)}$

A tight resource situation in the first half and relatively low spot prices in the second half of the year as a result of high inflow and mild weather resulted in the Group's overall production at spot prices being substantially lower than in 2010. Compared with 2010, a year with significant higher prices and production, the Group had a considerable decline in revenues. The recorded net operating revenues totalled NOK 17094 million and the operating profit NOK 6203 million. This represents a decline of $26 \%$ and $51 \%$, respectively, compared with 2010. The lower spot sales revenues were partly offset by a high percentage of contract sales.
${ }^{1}$ Figures in parentheses show the comparable figures for 2010.

The Group's recorded pre-tax profit amounted to NOK 3466 million and the result after tax was NOK 40 million.

In addition to lower revenues, the result for 2011 was adversely affected by write-downs for bio and gas power plants in Germany and the Sheringham Shoal offshore wind farm in the UK, as well as unrealised losses on energy contracts and the shareholding in E.ON AG.

In the following, the emphasis will be on analysing the result from the underlying operations for items up to and including the operating profit. Unrealised changes in value for energy contracts and significant non-recurring items in consolidated activities are explained in the section "Items excluded from the underlying operating profit". Income statement elements after the operating profit are analysed in accordance with the recorded result.

Return Measured in ROACE - Returns on Average Capital Employed - the Group achieved a return of $13.9 \%$ in $2011(19.7 \%)$. The decline of 5.8 percentage points from 2010 is mainly due to a lower operating profit.

Based on the recorded result, the return on equity after tax was $0.1 \%$ (11.8\%), and the return on total capital after tax was $0.8 \%(6.0 \%)$. The decline is primarily due to a weaker result, mainly as a result of lower Nordic power prices and hydropower production at spot prices, write-downs and unrealised changes in value. Average equity and total assets increased somewhat as a result of the equity injection from the owner in December 2010.

Market and production Statkraft's revenues come from spot sales (sale of own production in spot markets), contract sales to the industry, financial trading, distribution grid operations, as well as district heating and power sales to end-users. The fundamental basis for Statkraft's revenues comprises power prices, water management and production.

The power market The majority of Statkraft's production is generated in the Nordic region and Germany. The Group is also exposed in other European markets as well as markets outside Europe through its subsidiary SN Power.

Power prices in the Nordic region fell through 2011, and the average system price on Nord Pool ended at 47.2 EUR/MWh, $11 \%$ lower than in 2010. Power prices in Germany were higher than in 2010 for most of the year, and the average spot price (base) on the European Energy Exchange (EEX) ended at 51.1 EUR/MWh, $15 \%$ higher than in 2010. Compared with the average prices for the years 2006-2010, the price was $13 \%$ higher in the Nordic region and $7 \%$ higher in Germany. The average gas price at the Title Transfer Facility (TTF) in the Netherlands was 21.9 EUR/MWh, an increase of $26 \%$ from 2010.

Power consumption in the Nordic region is relatively high compared with other European countries as a result of the combination of cold winters and a high percentage of electric heating, as well as a relatively high percentage of power-intensive industry. In 2011, the demand for power fell by $4 \%$ in the Nordic region and $5 \%$ in Norway compared with the preceding year. Total production in Norway was 125.2 TWh, an increase of $4 \%$ from 2010, and 3.2 TWh was exported (corresponding to 3\% of the production). 7.6 TWh was imported in 2010. Overall, 370.5 Thh was produced in the Nordic region, a decline of $1 \%$ from 2010, and 5.2 TWh was imported (corresponding to $1 \%$ of the consumption). 19.2 TWh was imported in 2010.

At the end of December, the overall water level in the Nordic region's reservoirs was 112\% of normal, corresponding to 95 TWh. The water level was $79 \%$ of maximum capacity, which is 121 TWh. Measured in TWh, this represents an increase in the reservoir water levels of about $75 \%$ compared with the end of 2010 , when the water level was $45 \%$ of maximum capacity and $64 \%$ of normal.


- ROACE, underlying operations*
- Return on total assets after tax
- Return on equity after tax
* Unrealised changes in value, exclusive trading and origination, material non-recurring items are not included.

SYSTEM PRICE, NORD POOL
EUR/MWh


Price interval 2006-2010

- Average 2006-2010
- 2010
- 2011

SPOT PRICE, EEX
EUR/MWh


- Price interval 2006-2010
- Average 2006-2010
- Average
-2010
- 2010
-2011



## NORDIC HYDROPOWER PRODUCTION

2010 (47,8 TWh; 102\% av årsmiddelproduksjon)


2011 (43,4 TWh; 92\% av årsmiddelproduksjon)


Production Statkraft's production is determined by capacity, access to resources (hydrological balance and wind), spark spread (margin between power and gas price) and power optimisation. At the end of 2011, the installed capacity amounted to 16430 MW , with hydropower contributing 13249 MW , gas power 2178 MW, wind power 321 MW , district heating 666 MW and biopower 16 MW .

The Group's energy production totalled 51.5 TWh , as well as 0.9 district heating, declines of $10 \%$ and $14 \%$, respectively. The hydropower production declined by $8 \%$ and the gas power production by $30 \%$ to 46.0 TWh and 4.6 TWh , respectively. The wind power production, which amounts to a relatively small percentage of the Group's upstream production, increased by $24 \%$ to 0.8 TWh. Biopower production amounted to 0.1 TWh, a decline of $11 \%$.

The demand for power varies through the day and through the year, and the power markets are dependent on capacity that can be adjusted in line with demand. Statkraft's large share of flexible production capacity, combined with sound expertise in analysis and production, contribute to the Group's consistently sound water resource management. This is achieved through carefully planned power optimisation as well as available power plants in peak demand periods. This expertise is also used in the flexible power production on the Continent. Statkraft's large reservoir capacity with a combination of seasonal and multiple-year reservoirs enables the Group to manage the water resources in a perspective spanning more than one year. Accordingly, the production can be kept high in periods with high prices and lower in periods with low prices or when concerns for the reliability of supply dictate otherwise.

Statkraft's Nordic hydropower production in 2011 was about $92 \%$ of the annual mean production. As a consequence of a lot of precipitation through large parts of the year, the resource situation at year-end is sound.

Underlying operating revenues Gross operating revenues fell by $23 \%$ to NOK 22298 million, while net operating revenues fell by $20 \%$ to NOK 18120 million.

The power production is primarily sold in the spot market, under long-term industrial contracts and in the end-user market. In addition, the Group also delivers power at terms set by the authorities (concessionary power and lease agreements for industrial power). The production revenues are optimised through financial power trading, and the Group also engages in trading activities. District heating and Industrial ownership are reported as separate segments.

UNDERLYING OPERATING REVENUES

| Figures in NOK mill. | $\mathbf{2 0 1 1}$ | 2010 |
| :--- | ---: | ---: |
| Net physical spot sales, incl. green certificates | $\mathbf{7 7 6 2}$ | 13887 |
| Concessionary sales at statutory prices | 401 | 308 |
| Sales of electricity to industry at statutory prices | 130 | 1535 |
| Long-term commercial contracts | 5880 | 3054 |
| Nordic and Continental dynamic asset management portfolio | $(124)$ | 308 |
| Trading and Origination | 834 | 732 |
| Distribution grid | 1114 | 1421 |
| End-users | 4902 | 5986 |
| District heating | 581 | 634 |
| Other/eliminations | $\mathbf{( 5 0 )}$ | 45 |
| Sales revenues | $\mathbf{2 1 4 3 1}$ | 27911 |
| Other operating revenues | 868 | 1080 |
| Gross operating revenues | $\mathbf{2 2 2 9 8}$ | 28990 |
| Energy purchase | $\mathbf{( 2 9 6 4 )}$ | $(4674)$ |
| Transmission costs | $\mathbf{( 1 2 1 5 )}$ | $(1595)$ |
| Net operating revenue | $\mathbf{1 8 1 2 0}$ | 22721 |

Long-term agreements with the power-intensive industry Statkraft is a major supplier to the energy-intensive industry, and some of this power has historically been sold at terms stipulated by the authorities. These contracts have successively expired over the past years, and the last expired in July 2011. As these contracts have expired, the number of new contracts with the power-intensive industry has grown. New power agreements with delivery starting in 2011/12 amounted to an annual volume of 6.6 TWh at the end of 2011, and the Group's total long-term contract volume was about 20 TWh per year, corresponding to about $45 \%$ of the Group's annual mean production for Nordic hydropower. These agreements have mainly been entered into with Norwegian industry. Most of this takes place under the auspices of the Statkraft AS Group, but the volume also includes lease agreements that Statkraft SF has with the power-intensive industry. The majority of the volume is contracted to 2020. In 2011, a total of 17.4 TWh was delivered to the Nordic industry, an increase of $5 \%$, and the revenues amounted to NOK 6010 million, an increase of $31 \%$. The volume corresponded to $40 \%$ of the Group's Nordic hydropower production.

Concessionary sales at statutory prices In Norway, Statkraft is required to cede a share of the power production to counties and municipalities where the power is produced, so-called concessionary power. The price for this power corresponds to the average production cost, which is substantially lower than the power market price. In 2011, the revenues from concessionary power amounted to NOK 401 million (NOK 308 million), and the volume amounted to $7 \%$ of the Group's Nordic hydropower production.

Portfolio management To mitigate risk related to uncertainty in future price and production volumes, as well as to increase the long-term revenues, the company hedges production revenues through financial power trading. The share of the production that is hedged changes in line with market development expectations. As power prices are influenced by other commodity prices such as coal, oil, gas and $\mathrm{CO}_{2}$, and as these prices can both be input factors in gas power production (gas and $\mathrm{CO}_{2}$ ), and price adjustment factors in contracts, Statkraft also engages in financial trading with these commodities.

Statkraft's analysis activities occupy a key position in the trading. The analysis activities are based on collection and processing of hydrological data and other market data. The data are used to estimate market prices and optimise the flexible production. In 2011, the result from the Nordic and Continental portfolio management amounted to NOK -124 million, compared with a positive contribution of NOK 308 million in 2010. The negative value in 2011 relates to losses on sales contracts in the first quarter. These contracts were entered into before power prices rose sharply in the latter half of 2010. In addition, losses were incurred on sales contracts for coal as a result of relatively high coal prices.

Trading and origination Statkraft is also engaged in relatively short-term positioning with financial standard contracts (trading) and trading with structured products and customised agreements for industry and industry and commerce (origination). The realised income can vary substantially from period to period and year to year. In 2011, realised and unrealised income from trading and origination amounted to NOK 834 million, an increase of $14 \%$ from the preceding year. The origination activities generated the bulk of the improvement, partly as a result of the activities expanding into new markets.

Downstream activities The downstream activities in Statkraft consist of grid operations, district heating and power sales to end users. The sales revenues from these activities are large, but the margins are low compared with the other activities. In total, the revenues from the downstream activities amounted to NOK 6597 million, a decline of $18 \%$. The decline in grid revenues is due to the divestment of Trondheim Energi Nett AS in the first half of 2010, while the revenues from end-user sales and district heating declined as a result of lower prices and demand.

$\Rightarrow$ ELLEN STENSRUD
Deputy chair, Board member since 2007

$\Rightarrow$ HALVOR STENSTADVOLD
Chair of Statkraft's Audit Committee, Board member since 2003

## UNDERLYING EBITDA



- Underlying EBITDA-margin* (left axis)
- Underlying EBITDA* (right axis)
- Underlying gross operating revenues** (right axis)
* Unrealised changes in values, exclusive trading, origination and material non-recurring items.
**Including unrealised changes in values for trading and origination

Other operating revenues amounted to NOK 868 million, a decline of $20 \%$. The decline is primarily due to revenues lost due to the sale of Skagerak Fibernett AS in early 2011 and compensation from Statkraft SF for an agreement in connection with Oksla power plant in 2010.

Energy purchases amounted to NOK 2964 million, a decline of $37 \%$. The decline is primarily due to Fjordkraft buying a larger share of the power for the end-user business internally in the Group, as well as lower gas purchases for power production.

Transmission costs associated with the transport of power totalled NOK 1215 million, a decline of $24 \%$. The decline is mainly due to lower production.

Underlying operating expenses Operating expenses for 2011 amounted to NOK 9730 million, a decline of $4 \%$ from 2010.

UNDERLYING OPERATING EXPENSES

| Figures in NOK mill. | 2011 | 2010 |
| :--- | ---: | ---: |
| Salaries and payroll costs | 2759 | 2726 |
| Depreciation | 2461 | 2543 |
| Property tax and license fees | 1254 | 1236 |
| Other operating expenses | 3256 | 3598 |
| Operating expenses | 9730 | 10103 |

Salaries and payroll costs increased by $1 \%$. The increase is due to ordinary wage development, increased activity in the segments International hydropower and Wind Power, acquisition of activities, as well as insourcing of the operation of Swedish hydropower. The sale of Skagerak Fibernett AS and Trondheim Energi Nett AS in summer 2010, as well as provisions in 2010 in connection with restructuring, has the opposite effect.

Depreciation declined by 3\% from 2010. The decline is primarily due to the Group writing down assets by a total of NOK 2.3 billion over the last two years as well as the sale of Trondheim Energi Nett AS.

Property tax and licence fees increased by $2 \%$ from 2010. The calculation basis for property tax on power plants is based on an average of the results for the power plant over the last five years, and high power prices will therefore influence tax costs. Statkraft's license fees are relatively stable and are adjusted in line with the consumer price index, with the first adjustment taking place on 1 January five years after the licence was granted and every fifth year thereafter. Property tax increased by 3\% to NOK 970 million. The increase relates primarily to an increase in the Swedish property tax from $2.2 \%$ to $2.8 \%$. Licence fees remained on a par with 2010.

Other operating expenses include external services, materials, costs of power plants operated by third parties as well as compensation payments. In addition, other operating expenses include rent, IT expenses, marketing, insurance and travel expenses. In 2011, these expenses totalled NOK 3256 million, a decline of $10 \%$. The decline is primarily due to insourcing of the operation of Swedish hydropower plants and the sale of Skagerak Fibernett AS and Trondheim Energi Nett AS.

Underlying EBITDA and underlying operating profit EBITDA - earnings before interest, tax, depreciation and amortisation - amounted to NOK 10851 million in 2011 and the operating profit was NOK 8390 million, declines of $28 \%$ and $34 \%$, respectively, from 2010.

Historically, Statkraft has had high EBITDA margins as a result of operating expenses in connection with hydropower production being low. This to some extent offset by higher tax
rates for Norwegian hydropower production through economic rent taxation. The EBITDA margin was $49 \%$ in $2011(52 \%)$. The decline in the margin was mainly a result of lower Nordic prices and production. Lower operating expenses, excluding depreciation, offset the decline somewhat.

| Items excluded from the underlying operating profit |  | 2010 |
| :--- | ---: | ---: |
| Figures in NOK mill. | 2011 |  |
| Unrealised changes in value energy contracts |  | 62 |
| (excl. Trading and origination) | -1152 | 70 |
| Significant non-recurring items | -1035 |  |
| - Gain on sale, Sluppen Eiendom | 126 | 393 |
| - Gain on sale, Trondheim Energi Nett |  | 339 |
| - Plan changes, pension reform | -74 |  |
| - Accumulated depreciations | -1087 | (662) |
| - Impairments of fixed assets and receivables |  |  |



Total unrealised changes in value and material non-recurring items in 2011 amounted to NOK -2187 million (NOK 132 million).

Unrealised changes in value on energy contracts Unrealised changes in value on energy contracts, excluding trading and origination, amounted to NOK -1152 million (NOK 62 million).

In the second quarter, Statkraft decided to change its accounting practice for power sales agreements entered into in EUR where the other contractual party uses NOK as its functional currency. Changes in value recognised in the income statement in this connection amounted to NOK -1082 million and relate primarily to agreements entered into in 2009 when the EUR was exchanged at slightly more than NOK 9.

The change in contract terms from the fourth quarter of 2011 has resulted in the power purchase agreement with Herdecke being evaluated at fair value. Statkraft's percentage of unrealised losses associated with this contract impacted the annual result with NOK -505 million.

Other unrealised changes in value are partly due the to Group's contracts being indexed against various commodities, currencies and indices. In 2011, higher gas prices were the primary influences on these unrealised items.

Significant non-recurring items Non-recurring items excluded from the calculation of the underlying profit amount to NOK -1035 million in 2011 (NOK 70 million).

In the second quarter, Statkraft sold the real estate company Sluppen Eiendom AS to Trondheim Næringspark AS with a booked gain of NOK 126 million.

Non-current assets and receivables in connection with gas and biomass power plants in Germany were written down by NOK 1029 million and NOK 58 million, respectively, NOK 1087 million in total

Share of profit from associated companies and joint ventures The Group has major shareholdings in the Norwegian regional power companies BKK AS and Agder Energi AS. Outside of Norway, the growth in several instances takes place through ownership in partly-owned companies. The share of profit from the Group's associates amounted to NOK 898 million in 2011, an increase of $17 \%$.

The Sheringham Shoal offshore wind farm in the UK ( $50 \%$ shareholding) was written down by NOK 338 million, primarily as a result of delays and cost overruns. However, increased

$\Rightarrow$ SILVIJA SERES
Member of Statkraft's Compensation Committee, Board member since 2010
contributions from BKK, Agder Energi and SN Power's associates companies in the Philippines caused a positive change in the profit shares compared with 2010.

Financial items Net financial items amounted to NOK -3635 million in 2011 (NOK -917 million), of which NOK 390 million was realised. Statkraft's external debt was considerably higher than financial investments, and this resulted in realised net interest charges of NOK 936 million in 2011. However, other financial items, mainly dividend from E.ON AG and realised currency gains from internal loans, were positive, amounting to a total of NOK 1326 million.

Financial income amounted to NOK 2015 million (NOK 2060 million). Statkraft places significant amounts in banks and securities at times, particularly ahead of major payments. Counterparties are continually followed up to reduce the risk of losses. The return on investments was NOK 290 million higher in 2011 as a result of higher average invested amounts and somewhat higher market interest rates. At the end of 2010, Statkraft received a contribution of capital from the owner of NOK 14 billion, increasing cash and cash equivalents in 2011. Other financial income (total financial income exclusive of interest income) fell by NOK 318 million mainly due to lower currency gains on realised external debt.

Financial expenses amounted to NOK 1625 million (NOK 1607 million). Interest costs (including guarantee premiums to the State) fell by NOK 38 million compared with 2010 as a result of lower average debt. The effect of the lower debt was somewhat offset by higher market interest rates. Other financial expenses (total financial expenses exclusive of interest income) were NOK 56 million higher in 2011.

Unrealised changes in value for financial items amounted to NOK -4025 million, and the reduction of NOK 2656 million compared with 2010 relates primarily to lower unrealised currency gains on internal loans and lower write-down on E.ON AG shares than in 2010.

Unrealised currency gains on internal loans amounted to NOK 246 million in 2011, a reduction of NOK 3127 million from 2010. The large gain in 2010 was the result of a marked strengthening of the NOK and SEK in relation to EUR, while the strengthening of NOK and SEK against EUR was moderate in 2011.

Statkraft owns 83415119 shares in E.ON AG, corresponding to a shareholding of $4.17 \%$. At year-end, the shareholding was entered in the balance sheet with market value of NOK 10 782 million. The change in value in 2011 was NOK - 4085 million, of which NOK -4103 million has been recognised as a loss under unrealised changes in value, and where NOK 18 million has been recognised in comprehensive income. The share price fell from EUR 22.87 to EUR 16.67 per share in 2011. The part of the unrealised loss that is attributable to the lower share price amounts to NOK 3988 million (NOK 3625 million), and the weakening of the EUR against NOK explains NOK 97 million (NOK 1193 million).

The Group has four loan portfolios in NOK, SEK, EUR and USD, respectively. The portfolios are exposed to both variable and fixed interest rates, with exposure to variable interest rates amounting to 63\%. The average current interest rates in 2011 for loans denoted in NOK were 4.6\%, in SEK 2.9\%, in EUR 3.9\% and in USD 3.6\%. Debt in USD is in relation to project financing in SN Power.

Statkraft has entered into agreements with its financial counterparties for the settlement of interest and currency rate changes in value, limiting counterparty risk resulting from derivative contracts to one week's changes in value (cash collateral).

Taxes The recorded tax expense was NOK 1721 million lower than in 2010, and amounted to NOK 3427 million. The decline in tax costs was primarily due to a lower result before tax,
but was partly offset by recording negative resource rent income carryforwards in 2010 of about NOK 1400 million as income. Lower power prices and production have resulted in a reduction in the payable resource rent tax of NOK 648 million.

| Cash flow and capital structure |  |  |
| :--- | ---: | ---: |
| CASH FLOW |  |  |
| Figures in NOK mill. | $\mathbf{2 0 1 1}$ | 2010 |
| Net cash flow from operating activities | $(8203$ | 13577 |
| Net cash flow from investing activities | $(13099)$ | $(2297)$ |
| Net cash flow from financing activities | $(11778)$ | 13372 |
| Net change in cash and cash equivalents | 10 | 17 |
| Currency effect on cash flows | 20052 | 6663 |
| Cash and cash equivalents 01.01. | $\mathbf{8 2 8 4}$ | 20052 |
| Cash and cash equivalents 31.12. |  | $\mathbf{( 7 8 6 )}$ |
|  |  | $(774)$ |
| Restricted cash |  |  |

The operating activities generated a cash flow of NOK 7585 million in 2011 (NOK 13307 million). Long and short-term items experienced a positive change of NOK 299 million (negative change of NOK 876 million). Dividend received from associates was NOK 1639 million (NOK 1146 million). Net liquidity change from operating activities amounted to NOK 9523 million (NOK 13577 million).

For the year as a whole, a gross total of NOK 9038 million (NOK 3768 million) was invested, of which NOK 1708 million through loans to associates. The largest investment items in 2011 were in connection with hydropower in Norway, Turkey and Peru, gas power in Germany, land-based wind power in the UK and Sweden as well as an increased shareholding in Baltic Cable AB. Sale of business and fixed assets contributed NOK 836 million (NOK 1471 million).

The net liquidity change from financing amounted to NOK -13 099 million, down NOK 15191 million from 2010. The reduction is due to the contribution of new equity from the owner of NOK 14 billion in December 2010. New borrowings totalled NOK 376 million (NOK 4431 million), while downpayment of debt amounted to NOK 5169 million (NOK 8282 million).

Dividend disbursed and group contribution to Statkraft SF and minorities amounted to NOK 9400 million in 2011 (NOK 7964 million).

The net change in liquidity in 2011 was negative and amounted to NOK 11778 million (positive change of NOK 13372 million). The Group's cash and cash equivalents totalled NOK 8284 million, compared with NOK 20052 million at the beginning of the year.

At the end of 2011, the interest-bearing debt amounted to NOK 36887 million, compared with NOK 40486 million at the beginning of 2011. The interest-bearing debt-to-equity ratio was $36.0 \%$, compared with $35.0 \%$ at year-end 2010 . The increase is primarily due to lower equity.

Loans from Statkraft SF to Statkraft AS amounted to NOK 400 million at the end of the year.

At the end of 2011, current assets, except cash and cash equivalents, totalled NOK 18661 million and current interest-free debt amounted to NOK 15430 million.

At the end of 2011, Statkraft's equity totalled NOK 65651 million, compared with NOK 75302 million at the start of the year. This corresponds to $45.6 \%$ of total assets. The decline of 2.7 percentage points from 2010 is mainly due to disbursement of dividend and group contributions to Statkraft SF.

## INVESTMENTS IN NEW CAPACITY



## CASH FLOW 2011



INTEREST-BEARING DEBT RATIO
NOK bill.


- Interest-free debt (left axis)
. Equity (left axis)
- Interest-bearing debt (left axis)
- Interest-bearing debt-ratio (right axis)


## DISTRIBUTION OF EXTERNAL DEBT




- Loans in subsidiaries

Loans in Statkraft AS

- Loans from Statkraft SF (back to back)

Going concern In accordance with the provisions of the Norwegian Accounting Act, the Board of Directors confirms that the annual financial statements have been prepared on the assumption that the company is a going concern.

## STATKRAFT'S ACTIVITIES

Statkraft is Europe's largest producer of renewable energy. As a result of a change in the Group's strategy, Statkraft was reorganised in 2010. This reorganisation was finalised with the implementation of new segments effective as of 1 January 2011. The segment structure is presented on the basis of the internal management information which the management systematically reviews and uses for resource allocation and goal attainment. The segments are Nordic hydropower, Continental energy and trading, International hydropower, Wind power, District heating and Industrial ownership. Areas not shown as separate segments are presented under the heading Other business.

Nordic hydropower is the largest segment and includes hydropower plants in the Nordic region. The production assets are mainly flexible and include 169 hydropower plants in Norway (107), Sweden (59) and Finland (4), with a total installed capacity of more than 10500 MW. The segment's revenues come mainly from sale of power in the spot market as well as long-term contracts, the latter mostly with power-intensive industry in Norway. In Norway, Statkraft also delivers concessionary power. Multiple-year reservoirs and the flexibility of the power plants enable optimisation of power production in relation to the hydrological situation and price situation. Nordic hydropower is therefore optimised over longer time periods than one year.

Continental energy and trading includes gas power plants in Germany and Norway, hydropower plants in Germany and the UK and bio-based power plants in Germany, as well as Baltic Cable, the subsea cable between Sweden and Germany. Total installed capacity for the segment's 20 power plants is slightly less than 2500 MW, while Baltic Cable has a capacity of 600 MW . The power production is optimised in relation to the prices on input factors (fuel, carbon and hydrology) and sales prices (power and green certificates). The segment includes trading and origination, as well as revenue optimisation and risk mitigation related to both the Continental and Nordic production. This enables the Group to exploit its overall market expertise in the best possible manner. The trading involves extensive use of standardised and structured power contracts, gas, coal, oil and carbon.

International hydropower operates in emerging economies with expected high growth and substantial need for energy. Statkraft focuses on selected markets where the Group's hydropower expertise can be applied. The activities include the shareholding of $60 \%$ in SN Power as well as the Group's hydropower activities in Southeast Europe with emphasis on Turkey and Albania. SN Power owns interests in 20 hydropower plants in South America, Asia and Africa, as well as one wind farm and one thermal power plant in South America. These power plants have a total installed capacity of 990 MW (SN Power's share). In addition, SN Power owns two hydropower plants totalling 197 MW (SN Power’s percentage) under construction. SN Power is also engaged in power trading in Brazil. In Turkey, Statkraft owns a hydropower plant of 20 MW , while three hydropower plants totalling 619 MW are under construction. Investments are often made in partnership with local players or international investors. The segment's result is characterised by expensing substantial costs in connection with project development.

Wind power includes Statkraft's investments in land-based and offshore wind power. The segment has five land-based wind farms in operation in Norway, Sweden and the UK, with a total installed capacity of 276 MW . The revenues mainly derive from sale of power at spot prices as well as green certificates. In addition, the segment has three wind farms - two in Sweden and one in the UK - under construction. These will have an installed capacity
totalling 129 MW (Statkraft's share), and are scheduled for completion in 2012 and 2013. In Norway and Sweden, the segment has a large project portfolio within land-based wind, where the priority is to achieve final licences so that construction can start. Offshore wind concentrates on the UK market. Statkraft and Statoil own the offshore wind farm Sheringham Shoal 50-50. The wind farm will have an installed capacity of 317 MW and is scheduled for completion in 2012. Together with three partners, the offshore wind projects at Dogger Bank are being developed towards the licence application stage. In addition to the write-down on the investment in Sheringham Shoal, the result has also been characterised by expensing of project development costs. Project development costs will for a period continue to impact the segment result.

District heating operates in Norway and Sweden. Further growth will primarily take place in Norway where Statkraft is one of the two largest suppliers of district heating. The total installed capacity is 377 MW in Norway and 231 MW in Sweden. In Norway, about 700 commercial customers and about gooo households are supplied with district heating, while about

## KEY FIGURES 2011 - SEGMENTS

|  | Unit | Statkraft AS Group | Nordic hydropower | Continental energy and trading | International hydropowe | $\begin{aligned} & \text { Wind } \\ & \text { power } \end{aligned}$ | District heating | Industrial ownership | Other |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Income statement |  |  |  |  |  |  |  |  |  |
| Gross operating revenues | NOK mill | 22298 | 12674 | 4106 | 1065 | 350 | 555 | 7842 | -4 295 |
| Net operating revenues | Nok mill | 18120 | 12045 | 1230 | 796 | 329 | 357 | 3198 | 165 |
| EBITDA, underlying | Nok mill | 10851 | 9119 | -17 | 219 | -0 | 146 | 1746 | -363 |
| Operating profit, underlying | Nok mill | 8390 | 8002 | -413 | -1 | -104 | 40 | 1297 | -430 |
| Unrealised changes in value and non-recurring items | Nok mill | -2 187 | -765 | -1 347 | -92 | - | - | 59 | -42 |
| Operating profit | NOK mill | 6203 | 7236 | -1760 | -93 | -104 | 40 | 1356 | -472 |
| Share of profit from assosiates and joint ventures | NOK mill | 898 | 0 | -98 | 449 | -389 | 4 | 933 | -2 |
| Balance sheet |  |  |  |  |  |  |  |  |  |
| Investments in associated companies and joint ventures | NOK mill | 16109 | -0 | 533 | 5875 | 650 | 1 | 9050 | 0 |
| Other assets | Nok mill | 127768 | 48761 | 5759 | 8467 | 2711 | 2660 | 13899 | 45511 |
| Total assets | NOK mill | 143878 | 48761 | 6292 | 14342 | 3361 | 2661 | 22949 | 45511 |
| Investments, maintenance | NOK mill | 1129 | 469 | 303 | 69 | 1 | 8 | 248 | 32 |
| Investments, new capacity | NOK mill | 5217 | 1397 | 1446 | 959 | 491 | 401 | 348 | 175 |
| Investments in shares | NOK mill | 1923 | 0 | 585 | 1051 | 187 | 97 | 2 |  |
| Upstream business |  |  |  |  |  |  |  |  |  |
| Installed capacity | MW | 15763 | 10555 | 2474 | 1010 | 276 | - | 1355 | 94 |
| Production, actual | TWh | 51.5 | 38.2 | 4.9 | 2.4 | 0.7 | - | 4.9 | 0.3 |
| - of which hydropower | TWh | 46.0 | 38.2 | 0.3 | 2.3 | - | - | 4.9 | 0.3 |
| - of which gas power | TWh | 4.6 | - | 4.6 | - | - | - | - |  |
| - of which wind power | TWh | 0.8 | - | - | 0.1 | 0.7 | - | - |  |
| - of which bio power | TWh | 0.1 | - | 0.1 | - | - | - | - |  |
| District heating |  |  |  |  |  |  |  |  |  |
| Installed capacity | MW | 665 | - | - | - | - | 608 | 57 |  |
| Heating supplied | GWh | 815 | - | - | - | - | 771 | 44 |  |
| Number of customers | Thousand | 12 | - | - | - | - | 11 | 1 |  |
| Downstream business |  |  |  |  |  |  |  |  |  |
| Number of distribution grid customers | Thousand | 181 | - | - | - | - | - | 181 |  |
| Energy supplied | TWh | 7.1 | - | - | - | - | - | 7.1 |  |
| Number of end-user customers | Thousand | 408 | - | - | - | - | - | 408 |  |
| Total volume supplied | TWh | 11.9 | - | - | - | - | - | 11.9 |  |

1600 customers in Sweden receive district heating. The revenues are influenced by power prices, grid tariffs and taxes, and the price to customers is adjusted monthly or quarterly. Waste, biomass, oil and gas are important input factors in the production of district heating In Norway, the customer basis is being strengthened through mandatory connection.

Industrial ownership includes management and development of Norwegian shareholdings The segment comprises the companies Skagerak Energi AS, Fjordkraft AS, BKK AS (49.9\% shareholding), Istad AS (49\%) and Agder Energi AS (45.5\%). The two former companies are included in the consolidated financial statements, while the other three companies are reported as associates. Skagerak Energi's activities are concentrated around the production of power, district heating operations, distribution grid operations, electrical contracting activities and natural gas distribution. The production assets comprise 45 wholly and partlyowned hydropower plants with a total installed capacity of 1355 MW, as well as 57 MW of district heating. The company has about 181000 distribution grid customers and more than 700 district heating customers. Fjordkraft's activities are concentrated around the sale of electricity to households and companies, and the company had more than 400000 customers at the end of 2011.

Other activities includes Small-scale hydropower, the shareholding of $4.17 \%$ in E.ON AG, real estate management in Trondheim (sold in 2011), innovation, group functions and eliminations. The pro forma figures for 2010 also include Trondheim Energi Nett AS and the solar energy activities, which were divested in 2010.

Strategy Increased need for clean energy creates business opportunities for Statkraft. The strategic platform aims for growth in:

- European flexible power production and market operations
- International hydropower
- Wind power in Norway, Sweden and the UK
- District heating and small-Scale hydro in Norway

In addition to these areas, Statkraft will continue to support a sound development in the regional companies in Norway where Statkraft has ownership interests. Furthermore, the innovation strategy has been amended to strengthen Statkraft in the growth areas.

Statkraft's strategy is based on an evaluation of the market's attractiveness and Statkraft's ability to create value. In December 2010, Statkraft received NOK 14 billion in new equity from the owner to implement the Group's strategy.

The premises for the strategy are that business development, construction and operation of power plants must be based on high health, safety and environment standards. The planned activities in emerging markets outside of Europe contribute to increased challenges in connection with the risk of corruption, health, safety and the environment as well as upholding Statkraft's corporate social responsibilities. These challenges must be handled in a satisfactory manner over time in order to create value.

European flexible power production and market operations: Statkraft's ambition in European flexible power production is to maintain the position as Europe's largest producer of hydropower and be an important supplier of flexible power production to Europe.

On the basis of fundamental market analysis and a well-defined business model, Statkraft seeks to exploit the power plants' flexibility to produce electricity when commercially attractive and the need for power is greatest. Statkraft will prioritise modernisation and expansion, as well as further development of expertise, models and systems to ensure efficient operations and increased creation of value from existing hydro and gas-fired
power plants. The Group furthermore seeks to increase profitability and reduce risk through market operations.

Statkraft will consider portfolio optimisation and selective investments in hydropower in north-western Europe. The Group will prioritise hydropower in the Nordic region, Germany, France and the UK. The market outlook for north-western Europe is uncertain due to expectations of low or possibly negative growth in demand and considerable increase in renewable energy production. Statkraft will therefore emphasise understanding of the consequences for the future power balance, power prices and the value of flexible power production.

International hydropower: Statkraft has a strategy for development of hydropower with ambitions to strengthen the Group's position in attractive emerging markets. Statkraft invests in international hydropower both directly and through the subsidiary SN Power. The strategy for international hydropower is based on expected economic growth in selected markets, increased need for clean energy as well as a large potential for hydropower. Statkraft and SN Power have sound expertise related to development and production of hydropower which can form the basis for creation of value in new markets.

Statkraft is developing hydropower production in the Turkish market, and is planning development of the Devoll project in Albania together with the Austrian company EVN. SN Power prioritises development of hydropower in Peru, Chile, Nepal, India and the Philippines, where company already ouns production capacity. SN Power also develops investment opportunities in Brazil and Vietnam. Agua Imara, a subsidiary of SN Power, is considering investment opportunities in southern Africa and in Central America.

Wind power: Statkraft's ambition is to establish a position among the most profitable and cost-effective players in the industry within onshore wind power in Norway and Sweden. As regards onshore and offshore wind power in the UK, Statkraft's ambition is to develop a future attractive position.

The wind power market in Europe is considered to be attractive due to the rising need for new renewable power production. Public subsidy schemes and reduced costs for wind power are necessary to maintain satisfactory profitability. Statkraft has a large project portfolio in Norway and Sweden. Statkraft will prioritise the work to secure binding licenses, establish cost-effective solutions within development, operation and maintenance and strengthen the wind analysis expertise.

Within offshore wind power, Statkraft owns Sheringham Shoal 50-50 with Statoil. The project is scheduled for completion in 2012. The Group develops projects on the Dogger Bank in the UK up to the license stage in cooperation with partners. Any investment decisions for the projects on the Dogger Bank will be made at a later point in time.

District heating and small-scale hydro: Statkraft's ambition is to further develop profitability, strengthen its position as one of the two largest district heating players in Norway and realise growth also outside existing license areas. In Sweden, Statkraft plans further development of existing plants, but has no ambitions regarding growth in new areas.

Statkraft's ambition within small-scale hydropower production in Norway is to grow through industrial ownership in Småkraft AS. Småkraft invests in and builds small-scale hydropower plants in partnership with local landowners. Småkraft AS is owned by Statkraft AS (40\%), Skagerak Energi AS (20\%), BKK AS (20\%) and Agder Energi AS (20\%).

Corporate governance Statkraft's corporate governance will contribute to sustainable and lasting value creation in the Group. Efficient and transparent management and control of the business will form the basis for creating long-term values for the owner, employees,

\# INGE RYAN
Member of Statkraft's Audit Committee,
Board member since 2010
other stakeholders and society in general, and will help inspire confidence among stakeholders through predictability and credibility. Open and accessible communication will ensure that the company has a good relationship with society in general and the stakeholders who are affected by the company's activities in particular.

Statkraft applies the Norwegian Code of Practice for Corporate Governance (NUES) within the framework established by the company's organisation and ownership. Non-compliances are attributable to the fact that Statkraft is not a publicly listed company and that the Norwegian state is the sole owner of the company, as well as restrictions contained in the Articles of Association. The non-compliances relate to non-discrimination of shareholders, tradability of shares, dividends, the annual general meeting, the election committee and the corporate assembly. Statkraft also applies the Norwegian State's ten principles for good ownership.

Corporate governance and management, and an account of business management pursuant to Section 3-3b of the Accounting act are described in detail in the chapter "Corporate governance" in the annual report on Statkraft's website.

The work of the Board of Directors There were no changes in the Board's composition in 2011.

The Board of Statkraft AS held 12 board meetings in 2011. In addition to day-to-day operations and the Board's follow-up of new industrial power agreements, a significant share of the Board's work in 2011 was in relation to SN Power's investment decisions and development of hydropower plants in Asia and South America. Statkraft is also in the process of establishing a presence as a significant hydropower player in Turkey, onshore wind power in the Nordic region and offshore wind power in the UK. Over the course of 2011, Statkraft also became an important player in district heating in the Nordic region.

The Board has appointed an audit committee consisting of four of the directors. The audit committee has held five meetings during the course of the year. The Board also has a compensation committee consisting of the chair of the Board and two of the Board members. The compensation committee has held two meetings during the course of the year.

Risk management The key risk factors for Statkraft relate to market operations, treasury management, project execution, operating activities and framework conditions. The international growth contributes to increased project risk, both in the development and construction phases. Handling of risk is important for value creation and is an integrated part of all business activities. The administration has a central investment committee that evaluates risk, profitability and strategic adaptations related to individual investments and across the project portfolio. The most important risks from the individual units and risks that are relevant to the Group as a whole are aggregated and included in Statkraft's corporate risk map. The risk map is reported to and followed up by the Corporate management and Board.

There are substantial volume and price risks related to power production and trading. In the Nordic power market, precipitation levels and winter temperatures are of great significance and cause considerable fluctuations in both prices and output volumes. In addition, power prices are influenced by the price of gas, coal, oil and carbon. In addition, gas power production is directly exposed to both gas, oil, electricity and carbon. Statkraft manages this market risk by trading in physical and financial instruments in several markets. The increased integration of the energy markets is of great significance for business models and risk management, and great emphasis is placed on analysing the different markets in connection. Internal mandates have been established for all trading, and these are subject to continuous follow-up.

The central treasury department coordinates and manages the financial risk associated with foreign currencies, interest rates and liquidity, including refinancing and new borrowing. The most important instruments for risk management are forward currency contracts, interest swap agreements and forward interest agreements. Currency and interest rate risk are regulated by means of mandates. Furthermore, limits have been set for liquidity and counterparty risk, and the exposure and credit rating of counterparties are carefully monitored. Both market risk and the other financial risk, as well as exposure connected to the issued mandates, are followed up by independent middle office functions, and are regularly reported to Group management and the Board.

All processes in the value chain are exposed to operational risk. There are many risks and challenges related to the execution of the Group's investment projects and operations. The safety of our employees and contractors is critical and requires high level of attention, both as regards injuries, accidents and security. The most critical aspects are in connection with the development of Statkraft's international activities. Major attention is given to development of sound systems and learning, establishing barriers and ensuring compliance to avoid delays, cost overruns and incidents.

Risk associated with framework conditions and the effect of political decisions is significant, and Statkraft has implemented systems for handling of regulatory issues. Exposure to subsidy schemes in connection with the development of clean energy in a number of markets and uncertainty in relation to their future development are emphasised when making investment decisions.

Internal control Internal control is a key element in sound risk management, and Statkraft is focusing on further development of internal control. Statkraft has a system for internal control over financial reporting that shall ensure reliable financial reporting. Statkraft has a corporate audit function to assist the Board and management in making an independent and impartial evaluation of whether the Group's internal control procedures and significant risks are sufficiently managed and supervised. Corporate Audit shall also contribute to on-going quality improvement in internal management and control systems.

Statkraft has a management system that includes all governing documents and facilitates an efficient, systematic and uniform management of the Group with sufficient degree of formalisation, documentation and compliance.

## RESEARCH AND DEVELOPMENT

The purpose of Statkraft's activities within innovation, technology and research and development (R\&D) is to strengthen the company's competitive advantages within the core activities, and monitor trends and developments that may influence the markets Statkraft operates in.

The operational R\&D work is performed in the business areas, and in cooperation with external R\&D units with complementary expertise. Results are measured on the basis of generated value creation. Statkraft is the largest industrial player in the scheme Centres for Environmentfriendly Energy Research (FME) and expensed NOK 150 million on R\&D in 2011.

Three R\&D programmes have been established to strengthen the competitiveness of the company. These are Future hydropower, Competitive wind power and Energy from biomass.

Projects concluded in 2011 have contributed to (i) improved production planning for power plants through further development of power optimisation and risk management tools, (ii) increased effect in the low load range for Francis turbines through implementation of a nozzle system for reduction of pressure pulsations, (iii) new methods for optimal management and maintenance monitoring of wind turbines, (iv) new qualification routines for risk

$\Rightarrow$ THORBJØRN HOLøS
Employee-elected Board member, member of Statkraft's Audit Committee, Board member since 2002

$\Rightarrow$ ODD VANVIK
Employee-elected Board member, member of Statkraft's Compensation Committee, Board member since 1993
reduction in the development of offshore wind turbines, as well as (v) reduced energy costs and emissions in the district heating activities through optimisation of the combustion process in some bio-based district heating plants.

In addition, activities have been established in areas that may affect Statkraft's markets or, in the longer term, become new business opportunities:

Osmotic power uses the osmotic potential arising between fresh water and salt water, and Statkraft opened the world's first osmotic power prototype at Tofte in 2009. Statkraft is working with the aim of developing an osmotic power pilot of 1-2 MW. A cooperation agreement was entered into in 2011 with the Japanese company Nitto Denko, one of the largest global players in membrane production.

Flexible power generation is a central pillar of Statkraft's activities and analyses are therefore prepared of various other storage technologies (battery technologies, flywheels, compressed air storage) that are alternatives to water reservoirs.

Optimised use of smart grids, distributed energy resources and consumer flexibility aim to provide higher reliability, higher efficiency in the energy distribution and improved flexibility as regards demand.

Statkraft is looking into the possibility of establishing a district heating plant based on geothermal energy in connection with one of Statkraft's district heating plants.

## CORPORATE RESPONSIBILITY

Corporate responsibility in Statkraft Responsible practice is the basis for all of Statkraft's activities. This means that the Group's activities must be conducted in accordance with applicable laws and regulations, and in line with Statkraft's internal guidelines and good international practice in areas such as health and safety, environment, human rights and anti-corruption. Corporate responsibility is a line responsibility and an integrated part of the business - from assessment of country risk and project development to day-to-day operations.

Statkraft is a member of the UN's Global Compact and is committed to following up the initiative and its ten principles.

The following is a brief summary of Statkraft's work and results in the corporate responsibility area in 2011. A more detailed review can be found in the Corporate Responsibility report.

Sound business practice Statkraft's fundamental ethical principles are described in Statkraft's Code of conduct. The Code of conduct applies to all companies and employees in the Statkraft Group, and Statkraft's business partners are expected to have standards that are consistent with Statkraft's Code of conduct. In 2011, Statkraft also further developed its ethical guidelines aimed at the Group's suppliers.

Dilemma training for both managers and employees form an important component of the ethics work in Statkraft. To support these efforts, handbooks and training programmes on anti-corruption and- health and safety were launched in 2011. In addition, corporate responsibility was a topic in several workshops and training sessions for both managers and new employees.

Statkraft encourages employees to blow the whistle on questionable conditions and has facilitated this through the Group audit, which is an independent whistleblowing channel. No whistleblower cases were registered in 2011.

Role in society Statkraft creates values for owners and local communities where the Group is present. It is important for Statkraft to maintain good relations with all stakeholders and the Group therefore emphasises an open dialogue and collaboration with everyone affected by the company's activities.

Over the course of 2011, Statkraft contributed NOK 8841 million (NOK 17472 million) in financial value creation, of which NOK 4288 million (NOK 5973 million) was returned to the owner as dividend, while taxes and fees to the state and municipalities amounted to NOK 4987 million (NOK 6679 million). Statkraft's total investments in the balance sheet of 2011 amounted to NOK 8269 million (NOK 3740 million), of which NOK 3641 million (NOK 1999 million) in Norway and NOK 4628 million (NOK 1741 million) abroad. Of these investments, $63 \%$ were connected to expansion of production capacity.

In 2011, as in previous years, the Statkraft Fund awarded NOK 5 million to organisations and projects that in various ways focus on the connections between energy, climate and sustainable development.

Corporate responsibility in projects In 2011, Statkraft has further developed a decisionmaking model for the execution of major development projects. The model presents a system of common terms and concepts and ensures a comprehensive approach from the early phase and through stepwise decision processes in the Group. The basic principle is that each main decision must be accompanied by structured and documented information on several topics, including corporate responsibility, as part of the basis for decisions. The model will be further developed in 2012 with focus on training.

Environmental impact No serious environmental incidents were registered in 2011. However, 185 less serious environmental incidents were registered (92), of which three with high environmental risk and 51 breached applicable license terms. Most of the environmental incidents were short-term breaches of the operations provisions, minor oil spills and nonconformities in connection with waste management. These incidents had little or no effect on the environment.

Statkraft works to map and limit the activities' impact on biodiversity in Norwegian water regulation areas. A mapping of the Nore catchment area was completed in 2011. Mapping of another four water regulation areas has started and will be completed in 2012.

As regards follow-up of the operations' impact on biodiversity, the focus is on migrating fish - in particular salmon and eel (hydropower), birds of prey - in particular sea eagles and golden eagles (onshore wind power) and marine mammals (offshore wind power).

Statkraft's greenhouse gas emissions amounted to 1161900 tonnes of $\mathrm{CO}_{2}$ equivalents in 2011 (1693 400 tonnes), of which $93 \%$ was from the Group's gas power activities. The Group buys emission quotas in the voluntary $\mathrm{CO}_{2}$ quota market to neutralise greenhouse gas emissions from fuel consumption, business travel and accidental emissions. In 2011, about $91 \%$ of the Group's power and district heating production was based on renewable energy sources.

In 2011, Statkraft consumed 1150 GWh of electricity ( 737 GWh). All electricity consumed in the Group has been certified as renewable in accordance with RECS (Renewable Energy Certificate System). A major energy efficiency project was initiated at the production unit's Norwegian hydropower plants in 2010. The goal is to reduce energy consumption by 35 GWh/year. The first part of the project (Nore, Rana and Aura power plant groups) was completed in 2011 and will be continued in more power plant groups in 2012. The efficiency drive primarily involves installation of control systems for pumps, ventilation, heating and lighting.

LOST-TIME AND TOTAL RECORDABLE INJURIE RATES FOR EMPLOYEES AND SUPPLIERS


LTI - employees

- TRI - employees
- LTI - contractors

TRI - contractors

In 2011, Statkraft generated 96700 tonnes of hazardous waste from power and heat production. This is treated in accordance with applicable regulations. The main part of this $(99.7 \%$ ) is residual products from waste incineration plants and bio combustion plants.

Employees and organisation At the end of 2011, the Group had 3358 full-time equivalents (3301). This is an increase of $2 \%$ compared with 2010 . The Group has employees in 24 countries, and $33 \%$ ( $28 \%$ ) of the staff work outside Norway. The average service time in Statkraft is 10.7 years and the employee turnover in 2011 was 6.8\%.

Statkraft strives to attain a more even gender distribution in the Group, and more women in managerial positions. In 2011, $23 \%$ of the Group's employees were women ( $23 \%$ ) and the percentage of women in managerial positions was $20 \%(22 \%)$. The female percentage in Norway ( $25 \%$ ) is somewhat higher than in other countries. The female percentage among new employees was $23 \%$. The Group strives to obtain a more even gender distribution in the manager development programme. 44\% of Statkraft's board members are women. The Board follows up the work to achieve an even gender balance, including compliance with statutory requirements relating to gender distribution in the Boards of subsidiaries and companies where Statkraft has major ownership interests.

Statkraft wants a diverse working environment and considers equal treatment a tenet in its recruitment and HR policy. Employees and others involved in Statkraft's activities will be selected and treated in a non-discriminatory manner.

Statkraft works in a focused and systematic manner to recruit and is an attractive employer both among graduates and experienced employees. The Group has a popular trainee programme which was continued with 6 new trainees in 2011.

Good leadership and a positive working environment which provides development opportunities are strategically important areas in Statkraft. Statkraft's management platform was revised in 2011. The platform highlights the most important drivers for sound management as regards the company's further development and to achieve the Group's strategic ambitions. In 2011, an employee survey was held in Statkraft, Skagerak Energi and SN Power. The purpose of the survey was to improve Statkraft as a workplace, and the results will be followed up by each individual department.

In 2010, Statkraft entered into an agreement with the European Federation of Public Service Unions (EPSU) concerning the establishment of a European works council (Statkraft European Works Council, SEWC). The works council was established in 2011 with employee representatives from Norway, Sweden, Germany and the UK. SEWC ensures a good flow of information about decisions that affect the organisation in different ways, and provides employee representatives from the different countries with a formal and accepted arena where they can meet the corporate management.

Health and safety Statkraft has a clear goal of zero working accidents with serious consequences, but this has not been achieved in 2011. The same goals and requirements relating to health and safety apply wherever Statkraft has activities. Clear requirements and close follow-up in all operations and project phases are decisive to achieve safe and sound workplaces and good results.

In 2011, five fatal accidents took place in connection with Statkraft's activities.

In the Istad Group in Norway, where Statkraft owns 49\%, an employee died in February when a tracked vehicle tipped over. In December, a contractor died in the Kargi development project in Turkey, where Statkraft owns 100\%, when he was hit by scaffolding elements and then fell from a height.

Three fatal accidents took place in the expansion project at Theun Hinboun (THXP) in Laos, where Statkraft SF owns 20\%. In January, a contractor died after being crushed by the boom of a forklift during work in a head race tunnel. In March, a contractor died from electrocution during work below a 22 kV power line, while one contractor died in November in connection with power line construction.

In addition to police investigation, all fatal accidents have been reviewed by independent investigations immediately following the incidents. The investigation reports, including improvement measures, have then been presented to and followed up in the respective boards.

A number of measures have been implemented following the accidents, for example increased focus on applicable guidelines for working at heights and use of safety equipment. In general, all projects emphasise sound health and safety expertise among own employees and basic safety training of all employees with contractors and subcontractors to an even greater extent.

$\Rightarrow$ LENA HALVARI
Employee-elected Board member, Board member since 2010

The indicator for lost-time injuries, LTI rate, was 4.5 (3.4) among the Group's employees in 2011, while the indicator for all types of injuries, TRI rate, was 10.0 (6.8). For contractor employees, LTI rate was 3.4 (13.6) and TRI rate was 6.2 (16.4) in 2011. In total, 280 injuries (81) were recorded, of which 141 (52) were lost-time injuries, among the Group's employees and contractor employees. The total number of injuries has risen significantly in 2011, primarily due to the fact that all activities where Statkraft's shareholding exceeds $20 \%$ as of 2011 have now been included. Earlier figures only included businesses where Statkraft's shareholding exceeded $50 \%$. There was a marked decline in the injury frequency for contractor employees from 2010 to 2011. The decline is assumed to be the result of both the injury-preventive work and a safer and more complete registration of hours worked, but the result is far from satisfactory as there have been several fatal accidents involving contractor employees.

The Group emphasises learning from injuries, near-misses and unsafe conditions. In 2011, 6125 unsafe conditions and 365 near-misses were recorded. There has been a special focus on implementing common routines for investigation of serious incidents and further highlighting health and safety requirements in all project phases. This has been supported by training measures on different levels, which will be continued in 2012. Several focused campaigns have also been initiated, including a traffic safety campaign in SN Power aiming to reduce the risk of traffic accidents and a health and safety campaign in the production unit aiming especially to reduce the number of eye injuries.

Absence due to illness in Statkraft was 3.4\% in 2011 (3.4\%), which was below the target of $4.0 \%$. All Norwegian companies in the Group have entered into Inclusive workplace (IA) agreements, with active follow-up of absence and close cooperation with the company health service.

## RESULT ALLOCATION

The Board of Statkraft SF proposes a dividend of NOK 4288 million, corresponding to $85 \%$ of the dividend basis. The dividend basis is calculated as the consolidated result for Statkraft SF after tax and minority interests, adjusted for unrealised gains and losses. The dividend will be disbursed from Statkraft SF, and in order to provide Statkraft SF with sufficient ability to disburse dividend, the Board proposes the following allocation of the net profit in Statkraft AS:

| Amounts in NOK million | 1838 |
| :--- | ---: |
| Net profit in Statkraft AS' company accounts |  |
| Allocation of net profit for the year: |  |
| Allocated dividend from Statkraft AS to Statkraft SF | 4900 |
| Transfer from (-) other equity | -3062 |

The parent company's distributable equity was NOK 11704 million at year-end.

## OUTLOOK

Statkraft is well-positioned at the beginning of 2012. High inflow and mild weather combined with relatively low production in the Nordic region in the fourth quarter have resulted in a positive resource situation. The Group has secured a solid flexibility which provides the opportunity to step up production in response to high demand

In accordance with the Group's strategy, the project activity level is high, especially within wind power, hydropower and district heating. Statkraft is a significant developer of hydropower, nationally and internationally, through its own organisation and SN Power. The growth is driven by growing demand for energy internationally and the need for energy with the lowest possible carbon emissions. In Europe, Nordic hydropower is expected to gain an even more important role as the need for flexible power increases with the increasing share of solar and wind power. The flexible hydropower production, combined with more cables for power exchange between the Nordic region and the Continent, represents a significant potential for long-term, sustainable value creation.

In Germany, Statkraft will replace the phased-out older gas power in Emden with an ongoing expansion at Knapsack. Statkraft has several wind farms under construction, and assumes that the continuation of subsidy regimes for wind power and cost cuts will ensure profitability in new projects as well.

Statkraft's Board and Corporate management focus on efficient operations and further profitable development through long-term investments, as well as good exploitation of market positions, human resources and opportunities

The Board of Directors of Statkraft AS
Oslo, 14 March 2012


Chair
 Board member


Deputy chair


Berit Rødseth Board member


Board member


Thorbjørn Holøs Board member


Odd Vanvik Board member



Lena Halvari
Board member

Christian Rynning-Touneran
Christian Rymhing-Tønnesen President and CEO

DECLARATION FROM
THE BOARD AND CEO

We confirm to the best of our knowledge that the consolidated financial statements for 2011 have been prepared in accordance with IFRS as adopted by the EU, as well as additional information requirements in accordance with the Norwegian Accounting Act, and that the financial statements for the parent company for 2011 have been prepared in accordance with the Norwegian Accounting Act and generally accepted accounting practice in Norway, and that the information presented in the financial statements gives a true and fair view of the Company' s and Group' s assets, liabilities, financial position and result for the period viewed in their entirety, and that the Board of Directors' report gives a true and fair view of the development, performance and financial position of the Company and Group, and includes a description of the key risks and uncertainties the companies are faced with.

The Board of Directors of Statkraft AS
Oslo, 14 March 2012



Board member


Ellen Stensrud Deputy chair


Silvija|Seres
Board member

lnofge ryan an
Board member


Christian Rufhing-Tonnesen President and CEO
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## Statement of Comprehensive Income

| NOK million | Note | 2011 | 2010 |
| :---: | :---: | :---: | :---: |
| RESULTS |  |  |  |
| Sales revenues | 6,7 | 20924 | 27780 |
| Other operating revenues | 8 | 1447 | 1473 |
| Gross operating revenues | 6 | 22371 | 29252 |
| Energy purchases | 9 | -2 964 | -4 674 |
| Transmission costs |  | -1 215 | -1595 |
| Unrealised changes in the value of energy contracts | 10 | -1 098 | 193 |
| Net operating revenues |  | 17094 | 23176 |
| Salaries and payroll costs | 11 | -2 759 | -2 387 |
| Depreciation, amortisation and impairments | 6, 17, 18 | -3 564 | -3 205 |
| Property tax and licence fees | 13 | -1 254 | -1 236 |
| Other operating expenses | 14 | -3 314 | -3 598 |
| Operating expenses |  | -10 891 | -10 426 |
| Operating profit | 6 | 6203 | 12750 |
| Share of profit from associates and joint ventures | 6, 19 | 898 | 766 |
| Financial income | 15 | 2015 | 2060 |
| Financial expenses | 15 | -1625 | -1607 |
| Unrealised changes in value of financial items | 15 | -4 025 | -1 369 |
| Net financial items |  | -3635 | -917 |
| Profit before tax |  | 3466 | 12599 |
| Tax expense | 16 | -3 427 | -5 148 |
| Net profit |  | 40 | 7451 |
| Of which non-controlling interest |  | 264 | 357 |
| Of which majority interest |  | -224 | 7094 |
| OTHER COMPREHENSIVE INCOME |  |  |  |
| Changes in the fair value of financial instruments |  | -103 | -4 107 |
| Reversed change in value of financial instruments, recognised as loss under financial items |  | - | 3625 |
| Estimate deviation pensions |  | -936 | -274 |
| Items recorded in comprehensive income in associates and joint arrangements |  | -517 | -79 |
| Currency translation effects |  | -171 | -2 583 |
| Translation differences |  | -1 727 | -3 418 |
| Total comprehensive income |  | -1 687 | 4033 |
| Of which non-controlling interest |  | 186 | 243 |
| Of which majority interest |  | -1 873 | 3869 |

## Balance Sheet

statkraft as group



The Board of Directors in Statkraft AS
Oslo, 14 March 2012


Chair


Ellen Stensrud Deputy chair


Barit Rødseth Board member


Inge Ryan
Board member

Thoshan tholes
Thorbjørn Holøs
Board member


Odd Vanvik Board member


Lena Halvari Board member

Christian Rynning-Tomeren
Christian (Rynning-Tønnesen President and CEO

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## Statement of Cash Flow

## STATKRAFT AS GROUP

| NOK million | Note | 2011 | 2010 |
| :--- | ---: | ---: | ---: |
| CASH FLOW FROM OPERATING ACTIVITIES |  |  |  |
| Profit before tax |  | 3466 | 12599 |
| Profit+/loss- on sale of non-current assets | 17,18 | -34 | 26 |
| Depreciation, amortisation and impairments |  | 3564 | 3205 |
| Profit from the sale of shares and associates | 19 | -111 | - |
| Profit from the sale of activities |  | -240 | -371 |
| Share of profit from associates and joint ventures | -898 | -766 |  |
| Unrealised changes in value | 5122 | 1176 |  |
| Taxes paid | -3284 | -2562 |  |
| Cash flow from operating activities | 7585 | 13307 |  |
| Changes in long-term items | 244 | 252 |  |
| Changes in short-term items |  | 55 | -1128 |
| Dividend from associates |  | 1639 | 1146 |
| Net cash from operating activities |  | 9523 | 13577 |

CASH FLOW FROM INVESTING ACTIVITIES

| Investments in property, plant and equipment, maintenance | 6 |  | -1 129 | -1 000 |
| :---: | :---: | :---: | :---: | :---: |
| Investments in property, plant and equipment, new capacity ${ }^{1)}$ | 6 |  | -4793 | -1 852 |
| Sale of property, plant and equipment |  |  | 318 | 67 |
| Capital reduction in associates and joint ventures |  |  | - | 46 |
| Business divestments, net liquidity accruing to the Group |  |  | 452 | 1358 |
| Business combinations, net liquidity outflow from the Group | 4 |  | -766 |  |
| Proceeds from sale of associates |  |  | 66 |  |
| Loans to third parties |  |  | -1708 | -222 |
| Repayment of loans |  |  | 298 | 194 |
| Investments in other companies |  |  | -940 | -888 |
| Net cash flow from investing activities |  | B | -8 202 | -2 297 |
| CASH FLOW FROM FINANCING ACTIVITIES |  |  |  |  |
| New debt | 27 |  | 376 | 4431 |
| Repayment of debt | 27 |  | -5 169 | -8 282 |
| Capital increase |  |  | - | 14000 |
| Reduction of capital to non-controlling interests |  |  | - | -334 |
| Dividend and group contribution paid |  |  | -9 400 | -7 964 |
| Share issue in subsidiary to non-controlling interests |  |  | 1094 | 241 |
| Net cash flow from financing activities |  | C | -13 099 | 2092 |
| Net change in cash and cash equivalents |  | A $+\mathrm{B}+\mathrm{C}$ | -11778 | 13372 |
| Currency exchange rate effects on cash and cash equivalents |  |  | 10 | 17 |
| Cash and cash equivalents 01.01 | 25 |  | 20052 | 6663 |
| Cash and cash equivalents 31.12 | 25 |  | 8284 | 20052 |
| Unused committed credit lines |  |  | 12000 | 8000 |
| Unused overdraft facilities |  |  | 2200 | 1074 |
| Restricted cash | 25, 39 |  | -786 | -774 |

[^1]
## Statement of Changes in Equity

## statkraft as group

| NOK million | Paid-in capital | Other equity | Accu- <br> mulated translation differences | Retained equity | $\begin{array}{r} \text { Total } \\ \text { majority } \\ \hline \end{array}$ | Non- controlling interests | Total equity |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Balance as of 01.01.2010 | 31569 | 31091 | -5 026 | 26065 | 57634 | 7267 | 64901 |
| Profit for the year |  | 7094 |  | 7094 | 7094 | 357 | 7451 |
| Items in other comprehensive income that recycle over profit/loss: |  |  |  |  |  |  |  |
| Changes in fair value of financial instruments |  | -461 |  | -461 | -461 | -21 | -482 |
| Estimate deviation pensions |  | -275 |  | -275 | -275 | -106 | -381 |
| Income tax related to estimate deviation pensions |  | 77 |  | 77 | 77 | 30 | 107 |
| Items recorded in comprehensive income in associates |  | -79 |  | -79 | -79 | - | -79 |
| Currency translation effects |  |  | -2 566 | -2 566 | -2 566 | -17 | -2 583 |
| Total comprehensive income for the period |  | 6356 | -2 566 | 3790 | 3790 | 243 | 4033 |
| Dividend and group contribution |  | -7 420 |  | -7 420 | -7420 | -101 | -7521 |
| Transactions with non-controlling interests |  | 14 |  | 14 | 14 | -32 | -18 |
| Capital increase | 14000 |  |  | - | 14000 | 241 | 14241 |
| Capital decrease |  |  |  | - | - | -334 | -334 |
| Balance as of 31.12.2010 | 45569 | 30041 | -7592 | 22449 | 68018 | 7284 | 75302 |
| Profit for the year |  | -224 |  | -224 | -224 | 264 | 40 |
| Items in other comprehensive income that recycle over profit/loss: |  |  |  |  |  |  |  |
| Changes in fair value of financial instruments |  | -23 |  | -23 | -23 | -80 | -103 |
| Estimate deviation pensions |  | -1 096 |  | -1 096 | -1 096 | -204 | -1300 |
| Income tax related to estimate deviation pensions |  | 307 |  | 307 | 307 | 57 | 364 |
| Items recorded in comprehensive income in associates |  | -474 |  | -474 | -474 | -43 | -517 |
| Currency translation effects |  |  | -363 | -363 | -363 | 192 | -171 |
| Total comprehensive income for the period |  | -1510 | -363 | -1873 | -1873 | 186 | -1687 |
| Dividend and group contribution |  | -7 432 |  | -7 432 | -7432 | -280 | -7 712 |
| Business combinations |  | -316 |  | -316 | -316 | -5 | -321 |
| Divestments |  |  |  | - | - | -120 | -120 |
| Transactions with non-controlling interests |  | 12 |  | 12 | 12 | 109 | 121 |
| Capital increase |  |  |  | - | - | 1094 | 1094 |
| Liability from the option to increase shareholding in subsidiary |  |  |  | - | - | -1 027 | -1 027 |
| Balance as of 31.12.2011 | 45569 | 20795 | -7955 | 12840 | 58409 | 7241 | 65651 |

Statkraft's general assembly has in June 2011 approved a group distribution of NOK 9255 million, NOK 7432 million after tax, to be paid to Statkraft SF. The group distribution for 2010 amounted to NOK 7863 million, NOK 7420 million after tax. In respect of the current year, the directors propose that a dividend of NOK 4900 million will be paid to Statkraft SF. This dividend is subject to approval by the general assembly and has not been included as a liability in these consolidated financial statements.

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## GENERAL INFORMATION

Statkraft AS (Statkraft) consists of Statkraft AS with subsidiaries. Statkraft AS is a Norwegian limited company, established and domiciled in Norway. Statkraft AS is wholly owned by Statkraft SF, which is in turn wholly owned by the Norwegian state, through the Ministry of Trade and Industry. The main office lies in Oslo and the company has debt instruments listed on the Oslo Stock Exchange and London Stock Exchange.

Basis of preparation of the financial statements Statkraft's consolidated financial statements have been prepared in accordance with the International Financial Reporting Standards (IFRS) as approved by the EU.

Changes to accounting policies, new accounting standards and interpretations These financial statements have been prepared in accordance with all mandatory standards issued by the International Accounting Standards Board (IASB) and the International Financial Reporting Interpretations Committee (IFRIC).

Standards applied with effect for the 2011 accounting year: IAS 1 (improvement project) - Presentation of Financial Statements. With effect for financial statements issued after 1 January 2011, some minor changes in IAS 1 are effective. An analysis of other comprehensive income by item should be disclosed, either in the statement of changes in equity, or in the notes to the financial statements. Statkraft has chosen to disclose this information in the statement of changes in equity. Furthermore, the items in other comprehensive income should be classified into two groups, items that will be reclassified subsequently to profit or loss when specific conditions are met, and items that will not be reclassified to profit or loss. Statkraft has disclosed this in the statement of changes in equity.

- IAS 24 (revised) - Related party disclosures. With effect from 1 January 2011, IAS 24 has been revised on the following two aspects: The definition of a related party has been changed, and a partial exemption from the disclosure requirements for government-related entities has been introduced. Such transactions should now only be disclosed if they are individually or collectively material to the financial statements. The change of definition has no material effect for Statkraft. Statkraft discloses only material transactions with other entities owned by the government.

Relevant standards and interpretations issued at the time of presentation of the financial statements, but not adopted by Statkraft are (with expected implementation date in parenthesis):

- IFRS 9 - Financial instruments (Effective for annual periods beginning on or after 1 January 2013)
- IFRS 10 - Consolidated financial statements (Effective for annual periods beginning on or after 1 January 2013)
- IFRS 11 - Joint arrangements (Effective for annual periods beginning on or after 1 January 2013)
- IFRS 12 - Income Taxes. Disclosure of interests in other entities (Effective for annual periods beginning on or after 1 January 2013)
- IFRS 13 - Fair value measurement (Effective for annual periods beginning on or after 1 January 2013)
- IAS 12 (amendments) - Deferred tax, recovery of underlying assets (Effective for annual periods beginning on or after 1 January 2012)
- IFRS 7 (amendments - Disclosures, transfers of financial assets (Effective for annual periods beginning on or after 1 July 2011)
- IAS 27 (revised) - Separate financial statements (Effective for annual periods beginning on or after 1 January 2013)
- IAS 28 (revised) - Investments in associates and joint ventures (Effective for annual periods beginning on or after 1 January 2013)

IAS 19 (revised) - employee benefits is also changed, effective for annual periods beginning on or after 1 January 2013. The
most significant change relates to the accounting for changes in defined benefit obligations and plan assets, where the use of the "corridor approach" has been eliminated, requiring the recognition of changes in defined benefit obligations and in fair value of plan assets when they occur. Statkraft does not use the corridor approach permitted under the previous version of IAS 19 , hence the implementation effect is expected to be minimal.

Comparative figures All amounts in the income statement, balance sheet, statement of equity, cash flow statement and notes have been given with comparative figures from the previous year.

## SUMMARY OF THE MOST IMPORTANT ACCOUNTING PRINCIPLES

Below is a description of the most important accounting principles used in the preparation of the consolidated accounts. These principles have been used in the same manner in all presented periods, unless otherwise stated. The consolidated accounts have been prepared on the basis of the historical cost principle, with the following modifications: Value adjustment of derivatives, financial instruments held for trading purposes, financial assets held for sale and other financial assets and liabilities recognised at fair value through profit or loss.

Consolidation principles The consolidated accounts show the overall financial result and the overall financial situation for the parent company Statkraft AS and subsidiaries where the Group has controlling influence through direct or indirect ownership of the majority of the voting capital. Controlling influence is normally achieved through ownership of $50 \%$ or more of voting capital, but this may not be the case if shareholder agreements apply. Intercompany sales and balances and gains and losses on intercompany transactions have been eliminated. Subsidiaries are consolidated from the date when the Group achieves control and are excluded from the consolidation when control ceases.

Acquisitions The acquisition method is applied in business combinations. The compensation is measured at fair value on the transaction date, which is also when fair value of identifiable assets, liabilities and contingent liabilities acquired in the transaction is measured. The transaction date is deemed to be the ime when risk and control has been transferred and normally coincides with the completion date. Non-controlling interests are recognised either at fair value or the proportionate share of the identifiable net assets and liabilities. The assessment is done for each transaction. Any differences between cost price and fair value for acquired assets, liabilities and contingent liabilities are recognised as goodwill or recognised in income where the cost price is lower. No provisions are recognised for deferred tax on goodwill. Transaction costs are recognised in the income statement when incurred.

Associates and joint ventures Shares in companies in which Statkraft exercises a significant, but not controlling influence, and shares in companies with joint control are treated in accordance with the equity method. Significant influence normally means that the Group owns between 20 and $50 \%$ of the voting capital. The Group's share of the companies' profit/loss after tax, adjusted for amortisation of excess value and any deviations from accounting policies, are shown on a separate line in the consolidated income statement. Such investments are classified as non-current assets in the balance sheet and are recognised at cost price adjusted for the accumulated share of the companies' profit or loss, dividends received, currency adjustments, and equity transactions.

The principles applying for the recognition of acquisition of associated companies and joint ventures in the accounts are the same as those applied for the acquisition of subsidiaries.

Co-owned power plants Co-owned power plants, which are those power plants in which Statkraft owns shares regardless of whether they are operated by Statkraft or one of the other owners, are recognised in the accounts in accordance with the proportionate consolidation method in IAS 31.

Leased power plants Power plants that are leased to third parties are recognised in accordance with the proportionate consolidation method. Gross leasing revenues are included in other operating revenues, while operating expenses are recorded under the relevant cost.

## Revenues

Recognition of revenue in general Revenues from the sale of goods and services are recognised on an accruals basis. Earnings from the sale of goods are recognised when the risk and control over the goods have substantially been transferred to the buyer.

Power revenues Revenues from power sales are recognised as sales revenues on delivery. Realised revenues from physical and financial trading in energy contracts are recognised as sales revenues. Where these types of physical and financial contracts are covered by the definition of financial instruments (derivatives) in accordance with IAS 39, any changes in fair value are recognised under unrealised changes in the value of energy contracts. Realised revenues and losses from trading portfolios are presented net under Sales revenues.

Distribution grid revenues Distribution grid activities are subject to a regulatory regime established by the Norwegian Water Resources and Energy Directorate (NVE). Each year the NVE sets a revenue ceiling for the individual distribution grid owner. Revenue ceilings are set partly on the basis of historical costs, and partly on the basis of a norm. The norm is there to ensure efficient operation by the companies. An excess/shortfall of revenue will be the difference between actual income and allowed income. The revenue ceiling can be adjusted in the event of changes in delivery quality. Revenues included in the income statement correspond to the actual tariff revenues generated during the year. The difference between the revenue ceiling and the actual tariff revenues comprises a revenue surplus/shortfall. Excess or shortfall of revenue is not recognised in the balance sheet. The size of this is stated in Note 41.

Dividend Dividends received from companies other than subsidiaries, associates and joint ventures are recognised in income when the distribution of the dividend has been finally declared in the distributing company.

Sale of property, plant and equipment When selling property, plant and equipment, the profit/loss from the sale is calculated by comparing the sales proceeds with the residual book value of the sold operating asset. Calculated profits/losses are recognised under other operating revenues and other operating expenses respectively.

Public subsidies Public subsidies are included on a net basis in the income statement and balance sheet. Where subsidies are connected to activities that are directly recognised in the income statement, the subsidy is treated as a reduction of the expenses connected to the activity that the subsidy is intended to cover. Where the subsidy is connected to projects that are recognised in the balance sheet, the subsidy is treated as a reduction of the amount recognised in the balance sheet.

Foreign currency Subsidiaries prepare their accounts in the company's functional currency, normally the local currency in the country where the company operates. Statkraft AS uses Norwegian Crones (NOK) as its functional currency, and it is also the presentation currency for the consolidated accounts. When preparing the consolidated accounts, foreign subsidiaries, associated companies and joint ventures are translated into NOK in accordance with the current exchange rate method. This means that balance sheet items are translated to NOK at the exchange rate at 31 December; while the income statement is translated using monthly weighted average exchange rates throughout the year. Currency translation effects are recognised in comprehensive income and reclassified to the income statement upon sale of shareholdings in foreign companies.

Current transactions denominated in foreign currency are translated to the market price on the transaction date, while the
balance sheet items are evaluated at the balance sheet date rates. Currency effects are recognised under financial items. Gains and losses resulting from changes in exchange rates on debt to hedge net investments in a foreign entity are recognised directly in comprehensive income, and reclassified to the income statement upon sale of the foreign entity.

## Financial instruments

General On initial recognition, financial investments are allocated to one of the categories of financial instruments described in IAS 39. The various categories that are relevant for Statkraft and the treatment to be adopted for the instruments included in each of these categories are described below.

## Measurement of different categories of financial instruments

1) Financial instruments valued at fair value through profit or loss Derivatives are financial instruments that must be measured at fair value in the balance sheet. Derivatives must always be recognised in the category designated at fair value through profit or loss. Financial contracts for the purchase and sale of energy and $\mathrm{CO}_{2}$ quotas must always be designated as derivatives. Physical contracts for the purchase and sale of energy and $\mathrm{CO}_{2}$ quotas that are entered into as a result of mandates resulting from trading, or which are financially settled, will be deemed to be financial instruments and are measured at fair value through profit or loss Physical contracts for the purchase and sale of energy, $\mathrm{CO}_{2}$ quotas and gas that are entered into as a result of mandates connected to Statkraft's own requirements for use or procurement in own production normally fall outside the scope of IAS 39, as long as such contracts are not resold or do not contain written options in the form of volume flexibility. Other financial instruments held for trading purposes are also valued at fair value in the balance sheet. Changes in value are recognised through profit or loss.

In the case of derivatives used as hedging instruments in a hedging arrangement, changes in value will have no impact on the income statement. In a fair value hedge, any change in the value of hedging instruments will be offset by a corresponding change in the value of the hedging object. In the case of cash flow hedges and hedges of net investments in a foreign operation, changes in value are recognised directly in comprehensive income. Derivatives consist of both standalone derivatives, and embedded derivatives that are separated from the host contract and recognised at fair value as if the derivative were a stand-alone contract.
2) Loans and receivables are measured at fair value on initial recognition together with directly attributable transaction costs. In subsequent periods, loans and receivables are measured at amortised cost using the effective interest rate method, where the effective interest remains the same over the entire term of the instrument. An impairment loss is recognised in the income statement.
3) Assets classified as available for sale are assets which are not included in any of the above categories. Statkraft classifies strategic long-term shareholdings in this category. The assets are initially measured at fair value together with directly attributable transaction costs. Subsequently, the assets are measured at fair value with changes in value recorded against comprehensive income. Assets classified as available for sale must be tested for impairment, regardless of the fact that they are evaluated at fair value in the balance sheet in each financial statement. A significant decline (Statkraft policy: 25\%) or a decline over a longer period (Statkraft policy: 6-12 months) in the fair value of an investment in such an asset to below the instrument's cost price is an indication of impairment. In the event of a write-down, changes in value that have previously been recognised in comprehensive income will be reclassified and recognised in the income statement. Future positive changes are recognised in comprehensive income. Additional decline compared with cost price will result in additional write-down and be recognised in the income statement.
4) Financial liabilities are measured at fair value on initial recognition together with directly attributable transaction costs. In subsequent periods, financial liabilities are measured at amortised cost using the effective interest rate method, where the effective interest remains the same over the entire term of the instrument.

Financial instruments used in hedge accounting Financial instruments that are designated as hedging instruments or hedged items in hedge accounting are identified on the basis of the intention behind the acquisition of the financial instrument. See also the more detailed description of hedge accounting in Note 30.

Presentation of derivatives in the income statement and balance sheet Derivatives not relating to hedging arrangements are recognised on separate lines in the balance sheet under assets or liabilities. Derivatives with respective positive and negative values are presented gross in the balance sheet provided there is no legal right to the set off of different contracts, and such set-off rights will actually be used for the current cash settlement during the terms of the contracts. In the latter cases, the actual contracts will be presented net in the balance sheet. All energy contracts traded via energy exchanges are presented net in the balance sheet. Changes in the fair value of derivatives not used for hedge accounting are recognised on separate lines in the income statement. Changes in the value of energy contracts are presented on a separate line under revenues, while changes in the value of interest rate and foreign currency contracts are presented on a separate line under financial items.

Taxes
General Group companies that are engaged in energy generation in Norway are subject to the special rules for taxation of energy companies. The Group's tax expense therefore includes, in addition to ordinary income tax, natural resource tax and resource rent tax.

Income tax Income tax is calculated in accordance with ordinary tax rules. The tax charge in the income statement comprises taxes payable and changes in deferred tax liabilities/assets. Taxes payable are calculated on the basis of the taxable income for the year. Deferred tax liabilities/assets are calculated on the basis of temporary differences between the accounting and tax values and the tax effect of losses carried forward. Deferred tax assets are only recognised in the balance sheet to the extent that it is probable that the assets will be realised in the future. Tax related to items booked in other comprehensive income is also recognised in other comprehensive income, while tax related to equity transactions is recognised in equity.

Natural resource tax Natural resource tax is a profit-independent tax that is calculated on the basis of the individual power plant's average output over the past seven years. The tax rate is NOK 13/MWh. Income tax can be offset against the natural resource tax paid. Any natural resource tax that exceeds income tax can be carried forward with interest to subsequent years, and is recorded as prepaid tax.

Resource rent tax Resource rent tax is a profit-dependent tax that is calculated at a rate of $30 \%$ of the net resource rent revenue generated by each power plant. Resource rent revenue is calculated on the basis of the individual power plant's production hour by hour, multiplied by the spot price for the corresponding hour. The actual contract price is applied for deliveries of concessionary power and power subject to physical contracts with a term exceeding seven years. Actual operating expenses, depreciation and a tax-free allowance are deducted from the calculated revenue in order to arrive at the tax base. The tax-free allowance is set each year on the basis of the taxable value of the power plant's operating assets, multiplied by a normative interest rate set by the Ministry of Finance. The relevant normative interest rate for 2011 has been set at 2.1\%. From 2007 onwards negative resource rent revenues per power plant can be pooled with positive resource rent revenues for other power plants owned by the same tax entity. Negative resource rent
revenues per power plant from the 2006 fiscal year or earlier years can only be carried forward with interest offset against future positive resource rent revenues from the same power plant. Deferred tax assets linked to negative resource rent carry-forwards and deferred tax linked to other temporary differences are calculated on the basis of power plants where it is probable that the deferred tax asset will be realised within a time horizon of ten years. The applied rate is a nominal tax rate of $30 \%$. The tax-free allowance is treated as a permanent difference in the year it is calculated for, and therefore does not affect the calculation of deferred tax connected with resource rent.

Deferred tax liabilities and deferred tax assets connected with income tax are recognised net provided these are expected to reverse in the same period. The same applies to deferred tax liabilities and deferred tax assets connected to resource rent tax. Deferred tax positions connected with income tax cannot be offset against tax positions connected with resource rent tax.

Classification as short-term/long-term Balance sheet items can be classified as short-term when they are expected to be realised within 12 months of the balance sheet date. With the exception of the items mentioned below, all other items are classified as long-term.

Financial instruments are recognised as short-term or long-term items in accordance with the general guidelines for such classification. This also applies to derivatives classified separately, with the exception of some derivatives that are hedging instruments in hedge accounting, where the derivatives are presented together with the hedging item. The first year's repayments relat ing to long-term liabilities are presented as short-term items.

Intangible assets Costs relating to intangible assets, including goodwill, are recognised in the balance sheet at historic cost provided that the requirements for doing so have been met. Goodwill and intangible assets with an indefinite useful life are not amortised.

Research and development costs Research costs are recognised in the income statement on an ongoing basis. Development costs are capitalised to the extent that a future financial benefit can be identified from the development of an identifiable intangible asset.

Property, plant and equipment Investments in production facilities and other property, plant and equipment are recognised at cost less accumulated depreciation and impairments Depreciation is charged from the time the assets are available for use. The cost of property, plant and equipment includes fees for acquiring or bringing assets into a condition in which they can be used. Directly attributable borrowing costs are added to acquisition cost. Expenses incurred after the operating asset has been taken into use, such as ongoing maintenance expenses, are recognised in the income statement, while other expenses that are expected to generate future economic benefits are recognised in the balance sheet. In the case of time-limited licences, provisions are made for decommissioning costs, with a balancing entry increasing the recognised value of the relevant asset. Increased book value is depreciated over the icense period.

Costs incurred for own plant investments are recognised in the balance sheet as facilities under construction. Acquisition cost includes directly attributable costs including interest on loans.

Depreciation is calculated on a straight-line basis over assets' expected useful economic lives. Residual values are taken into account in the calculation of annual depreciation. Land including waterfall rights is not depreciated, as the assets are deemed to have perpetual life if there is no right of reversion to state ownership. Periodic maintenance is recognised in the balance sheet over the period until the time when the next maintenance round is scheduled. Estimated useful lives, depreciation methods and residual values are assessed annually.

When assets are sold or disposed of, the book value is deducted and any profits or losses are recognised in the income statement. Repairs and ongoing maintenance costs are recognised in the income statement when they are incurred. If new parts are recognised in the balance sheet, the parts that have been replaced are removed and any residual book value is recognised as a loss on disposal.

Impairments Property, plant and equipment and intangible assets that are depreciated are assessed for impairment when there is any indication that future earnings do not justify the book value. Intangible assets with an indefinite useful life are not amortised, but are subject to an annual impairment test. Impairments are recognised as the difference between the book value and recoverable amount. The recoverable amount is the higher of the asset's fair value less costs to sell and its value in use.

In assessing impairments, non-current assets are grouped into the lowest level of identifiable assets that can generate independent cash flows (cash-generating units). With the exception of goodwill, the possibilities of reversing previous impairment on non-current assets are assessed at each reporting date.

Leases A lease is recognised as a financial leasing agreement when the risks and returns incidental to ownership have been substantially transferred to Statkraft. Operational leases are recognised as they occur.

Inventories $\mathrm{CO}_{2}$ quotas that are received or acquired in connection with Statkraft's emission requirements are measured at cost price and classified as intangible assets. All other $\mathrm{CO}_{2}$ quotas are deemed to be held for trading purposes and are recognised as inventories. Inventories of $\mathrm{CO}_{2}$ quotas and green certificates held for trading purposes are measured at net realisable value. Other inventories are measured at the lower of cost price and net realisable value. The cost price includes the purchase price and other expenses that have been incurred in bringing the inventories to their current condition and location. Net realisable value is measured as sales value less expected costs to sell.

Cost price is allocated to specific inventories where possible. For exchangeable goods, cost price is allocated in accordance with the weighted average or the FIFO (first in, first out) method.

Cash and cash equivalents The item cash and cash equivalents also includes certificates and bonds with short residual terms at the time of acquisition. The item also includes restricted funds. The amount of restricted funds is specified below the cash flow statement and in note 25 . The market settlement for derivatives connected with financial activities (cash collateral) is recognised in the balance sheet.

Equity Dividends proposed at the time of approval of the financial statements are classified as equity. Dividends are reclassified as current liabilities once they have been declared by the General Assembly.

Provisions, contingent assets and contingent liabilities Provisions are only recognised where there is an existing obligation as a result of a past event, and where it is probable that an outflow of resources embodying financial benefits will be required to settle the obligation. The amount recognised as a provision should be the best estimate of the expenditure required to settle the present obligation at the balance sheet date. If material, account should be taken of present values in calculating the size of the provision. All estimates regarding provisions are evaluated at the end of each reporting period to reflect the final best estimate. Provisions for decommissioning costs are also evaluated by an outside third party every five years.

Contingent assets and contingent liabilities are not recorded in the financial statements.

Concessionary power, licence fees and compensation Each year concessionary sales are made to local authorities at statu
tory prices stipulated by the Norwegian Storting (parliament). The supply of concessionary power is recognised as income on an ongoing basis in accordance with the established concessionary price. In the case of certain concessionary power contracts, agreements have been made regarding financial settlement in which Statkraft is invoiced for the difference between the spot price and the concessionary price. Such concessionary contracts are not included in the financial statements. The capitalised value of future concessionary power obligations is estimated and disclosed in Note 2.

Licence fees are paid annually to central and local government authorities for the increase in generating capacity that is obtained from regulated watercourses and catchment transfers. These licence fees are charged as expenses as they accrue. The value of future licence fees recognised in the balance sheet is estimated and disclosed in Note 13.

The Group pays compensation to landowners for the right to use waterfalls and land. In addition, compensation is paid to others for damage caused to forests, land, telecommunications lines, etc. Compensation payments are partly non-recurring and partly recurring, and take the form of cash payments or a liability to provide compensational power. The present value of obligations connected to the annual compensation payments and free power are classified as provisions for liabilities. Annual payments are recognised as other operating expenses, while non-recurring items are offset against the provision.

## Pensions

Defined benefit schemes A defined benefit scheme is a retirement benefit scheme that defines the retirement benefits that an employee will receive on retirement. The retirement benefit is normally set as a percentage of the employee's salary. To be able to receive full retirement benefits, contributions will normally be required to be paid over a period of between 30 and 40 years. Employees who have not made full contributions will have their retirement benefits proportionately reduced. The liability recognised in the balance sheet which relates to the defined benefit scheme is the present value of the future retirement benefits that have accrued at the balance sheet date, reduced by the fair value of the plan assets and including non-recognised expenses connected with previous periods' accrued retirement benefits. The present value of future benefits in the Norwegian schemes accrued at the balance sheet date is calculated by discounting estimated future payments at a risk-free interest rate stipulated on the basis of the interest rate for ten-year Norwegian government bonds, adjusted for duration of the pension liabilities. The retirement benefit liability is calculated annually by an independent actuary using the linear accruals method.

Estimate deviations attributable to changes in actuarial assumptions or base data are recognised in other comprehensive income on an ongoing basis after provisions for deferred tax.

Changes in defined benefit pension liabilities attributable to changes in retirement benefit plans that have retrospective effect, where these rights are not contingent on future service, are recognised directly in the income statement. Changes that are not issued with retrospective effect are recognised in the income statement over the remaining service time.

Net pension fund assets for overfunded schemes are classified as non-current assets and recognised in the balance sheet at fair value. Net retirement benefit liabilities for underfunded schemes and non-funded schemes that are covered by operations are classified as long-term liabilities.

The net retirement benefit cost for the period is included under salaries and other payroll costs, and comprises the total of the retirement benefits accrued during the period, the interest on the estimated liability and the projected yield on pension fund assets.

Defined contribution schemes A defined contribution scheme is a retirement benefit scheme where the Group pays fixed contributions to a fund manager without incurring further obligations for Statkraft once the payment has been made. The payments are expensed as salaries and payroll costs.

## SEGMENTS

The Group reports operating segments in accordance with how the Group management makes, follows up and evaluates its decisions. The operating segments have been identified on the basis of internal management information that is periodically
reviewed by management and used for resource allocation and key performance review.

## CASH FLOW STATEMENT

The cash flow statement has been prepared using the indirect method. The statement starts with the Group's profit before axes in order to show cash flow generated by operating activities, investing activities and financing activities respectively. Dividends disbursed to the owner and to non-controlling interests are presented under financing activities.

## ACCOUNTING JUDGEMENTS

In applying the Group's accounting policies, the company's management has exercised judgement which affects items in the income statement, balance sheet and notes. Accounting judgements that are of material importance with regard to the amounts that have been recognised in the consolidated income statement and balance sheet are as follows:

Non-financial energy contracts IAS 39 prescribes that nonfinancial energy contracts that are covered by the definition of "net financial settlements" shall be treated as if these were financial instruments. This will typically apply to contracts for physical purchases and sales of electricity and gas. Using its best judgement, and based on the criteria contained in IAS 39, management has assessed which contracts are covered by the definition of financial instruments, and which contracts fall outside the definition, primarily as a result of the "own use" exception. Contracts that are defined as financial instruments in accordance with IAS 39 are recognised at fair value in the balance sheet with changes in value through profit or loss, while those contracts that are not covered by the definition are recognised as normal buying and selling of power.

Concessionary power contracts The Group recognises concessionary power as normal buying and selling in accordance with stipulated concessionary power prices upon delivery, regardless of whether the settlement takes place upon physical delivery or financial settlement.

At the end of 2011 concessionary power contracts with financial settlement had a total volume of around 500 GWh and an average price of NOK 95/MWh. Although agreements for financial settlement apply for a limited period, the calculation of fair value is based on the perpetual horizon of the underlying concessionary power contracts. With these assumptions, the estimated fair value as of 31 December 2011 would have been negative with about NOK 3655 million and changes in fair value in 2011 would have been about NOK 1015 million

## ESTIMATES AND ASSUMPTIONS

Statkraft's corporate management has applied estimates and assumptions that affect the items in the income statement, balance sheet and notes. Future incidents and changes to framework conditions may result in a need to change estimates and assumptions. Estimates and assumptions of significance
for the financial statements are summarised below.
Property, plant and equipment Property, plant and equipment is depreciated over its expected useful life. Expected useful life is estimated based on experience, historical data and accounting judgements, and is adjusted in the event of any changes to the expectations. Residual values are taken into account in calculating depreciation. The evaluation of residual values is also subject to estimates. The estimates regarding decommissioning costs, which are also part of the carrying value of the assets, are evaluated currently.

Impairments Significant investments are made in property, plant and equipment, intangible assets, associates and joint ventures. These non-current assets are tested for possible impairment where there are any indications of loss of value. Such indications could include changes in expectations regarding future power prices, agreement structures, framework, harmful events or other operating conditions. Goodwill and other intangible assets with perpetual useful life are tested annually for impairment. Calculating the recoverable amount requires a series of estimates concerning future cash flows, of which price paths and production volume are the most important.

Deferred tax assets The Group has recognised deferred tax assets associated with negative resource rent revenues in the balance sheet. Deferred tax assets relating to resource rent revenue carry-forwards are recognised in the balance sheet with the amount expected to be utilised within a period of ten years. The period over which negative resource rent revenues can be used is estimated on the basis of expectation relating to production and power prices.

Pensions The calculation of pension liabilities involves the use of judgement and estimates across a range of parameters. Refer to Note 12 for a more detailed description of the assumptions used. The Note also shows how sensitive the calculations are in relation to the most important assumptions.

Development costs Development costs are recognised in the balance sheet when it is probable that these will result in future economic benefits. Establishing such probability involves estimating the future cash flows from projects, which by their very nature are uncertain. The calculations are based on previous results and experiences, the company's own and third-party analyses and other methods that are considered appropriate.

In August 2011, an agreement to acquire a $40.65 \%$ stake in Desenvix (Brazil) for BRL 706 million (NOK 2260 million). was entered into. During the first three months of 2012, two additional agreements regarding this transaction have been made. The transaction was closed on 9 March 2012.

According to the shareholders agreement in Fountain Intertrade Corporation (FIC), Panama, SN Power is allowed to appoint an additional board member and thereby gain control of the company at the first drawing on the loan. The first drawing on the loan was performed 6 March 2012, and the Company will be consolidated in full from this date. In the financial statements for 2011, the Company has been treated as a joint venture.

## BUSINESS COMBINATIONS 2011

Baillie Windfarm Ltd. Up until 25 March 2011 Statkraft UK Ltd. owned 33.9\% of BWFL. Statkraft UK Ltd. (SUK) had significant influence, therefore treating the investment as an associate. On 25 March SUK increased its investment to 80\% and introduced an intermediate holding company Baillie Windfarm Holdings Ltd. (BWFHL) by purchasing shares for NOK 160 million.

Baillie Windfarm Ltd. (BWFL) is a company developing a wind farm in Scotland, owned jointly by Statkraft UK Ltd. and land owners at the site. The wind farm is in the development stage having agreed planning permission, consent, and consensus with land owners of the site. The wind farm will generate electricity and enter into the UK renewable electricity regime. Statkraft is currently constructing the site into a 21 turbine 52.5 MW wind farm.

Energias do Paranà Ltda. (Enerpar) The SN Power Group purchased 100\% of Enerpar, a company registered in Paraná in Bra zil with closing 25 May 2011. The company's activities consists of managing power purchase agreements in total of approximately 140 MW with duration up to 2025, and at the time of achieving control, there were no employees in the company. The purchase price for the acquisition has been settled with a cash payment of BRL 120 million (NOK 410 million). Carrying value

| Allocation of purchase price for business combinations in 2011 | Energias do Paranà Ltda. ${ }^{1)}$ | Lunzemfwa Hydro Power Comp. Ltd. 1) | Baillie Windfarm Ltd. ${ }^{1)}$ |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Acquisition date | 25.05.11 | 01.04 .11 | 25.03.11 | 27.10.11 |  |
| Voting rights/shareholding acquired through the acquisition | 100\% | 51\% | 46\% | 98\% |  |
| Total voting rights/sharholding following acquisition | 100\% | 51\% | 80\% | 98\% |  |
| Measurement of non-controlling interests | Proportionate | Proportionate | Proportionate | Proportionate |  |
| Consideration (NOK million) |  |  |  |  |  |
| Cash | 410 | 190 | 160 | 96 | 856 |
| Private placing | - | 54 | - | - | 54 |
| Fair value of earlier recognised shareholdings | - | - | 118 | - | 118 |
| Total acquisition cost | 410 | 244 | 278 | 96 | 1028 |
| Book value of net acquired assets (see table below) | 410 | 73 | 347 | 98 | 928 |
| Identification of excess value, attributable to: |  |  |  |  |  |
| Property, plant and equipment | - | 533 | - | - | 533 |
| Gross excess value | - | 533 | - | - | 533 |
| Deferred tax on excess value | - | -186 | - | - | -186 |
| Net excess value | - | 347 | - | - | 347 |
| Fair value of net acquired assets, excluding goodwill | 410 | 420 | 347 | 98 | 1275 |
| Of which |  |  |  |  |  |
| Majority interests | 410 | 214 | 278 | 96 | 997 |
| Non-controlling interests | - | 206 | 69 | 2 | 277 |
| Total | 410 | 420 | 347 | 98 | 1275 |
| Total acquisition cost | 410 | 244 | 278 | 96 | 1028 |
| Fair value of net acquired assets, acquired by the majority through the transaction | 410 | 214 | 278 | 96 | 997 |
| Goodwill ${ }^{2)}$ | - | 30 | - | - | 30 |
| ${ }^{1)}$ The allocation of purchase price is deemed to be provisional pendin <br> ${ }^{2)}$ Recognition of goodwill in the acquisition of Lunsemfwa Hydro Powe nominal value. | pletion of the Ltd. relates | inal valuation recognition of | fe acquired | ets and liabilit |  |

1) The allocation of purchase price is deemed to be provisional pending the completion of the final valuation of the acquired assets and liabilities
${ }^{\text {2) }}$ Recognition of goodwill in the acquisition of Lunsemfwa Hydro Power Company Ltd. relates to recognition of deferred tax liabilities on added values at nominal value.
of the company's net assets at the time of achieving control is considered representing fair value, and no goodwill has been identified.

Lunsemfwa Hydro Power Company Ltd. On 1 April 2011, a subsidiary of SN Power, Agua Imara, purchased 51\% of Lunsemfwa Hydro Power Company Ltd. in Zambia. Lunsemfwa currently owns two hydropower plants, Mulungushi Hydro Power Station and Lunsemfwa Hydro Power Station (LHPC), with a combined generation capacity of 46.5 MW (28.5 MW and 18 MW respectively). In addition, a 50\% share in Muchinga Power Company Ltd., with potential for developing additional 120 MW has been acquired. The purchase price amounts to USD 47 million (NOK 244 million) in total, whereas USD 37 million has been paid in cash, and USD 10 million has been settled through a private placement. Added values have been identified on existing water regulation facilities and water rights, as well as goodwill.

Bio Varme AS On 27 October 2011 Statkraft AS purchased $98 \%$ of Bio Varme AS, with a purchase price of NOK 96 million. Bio Varme further owns $85 \%$ of the shares in Stjørdal Fjernvarme AS. The acquisition strengthens the strategic activities within the segment District Heating. Statkraft is currently in negotiations to purchase the last 2\% of Bio Varme AS.

| Allocation of purchase price for business combinations in 2011 Cont. | Energias do Paranà Ltda. ${ }^{1)}$ | Lunzemfwa Hydro Power Comp. Ltd. ${ }^{1)}$ | Baillie Windfarm Ltd. ${ }^{1)}$ |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Book value of net acquired assets |  |  |  |  |  |
| Intangible assets | - | - | 89 | - | 89 |
| Deferred tax assets | 61 | - | - | 8 | 69 |
| Property, plant and equipment | - | 67 | 351 | 188 | 606 |
| Derivatives | 787 | - | - | - | 787 |
| Other non-current financial assets | - | - | - | 1 | 1 |
| Non-current assets | 848 | 67 | 440 | 197 | 1552 |
| Cash and cash equivalents | 9 | 47 |  | 34 | 90 |
| Receivables | 33 | 17 | 1 | 9 | 60 |
| Inventories | - | - | - | 1 | 1 |
| Current assets | 42 | 64 | 1 | 44 | 151 |
| Acquired assets | 890 | 131 | 441 | 241 | 1703 |
| Long-term interest bearing liabilities |  | 64 | - | 98 | 162 |
| Short-term interest bearing liabilities | - | - | 4 | 41 | 45 |
| Deferred tax | 267 | 21 | 89 | - | 377 |
| Other interest-free liabilities | 33 | 19 | 1 | - | 53 |
| Taxes payable | 1 | 8 | - |  | 9 |
| Derivatives | 179 | - | - | - | 179 |
| Non-controlling interests | - | - | - | 5 | 5 |
| Liabilities and non-controlling interests | 480 | 112 | 94 | 144 | 830 |
| Net value of acquired assets | 410 | 19 | 347 | 98 | 874 |
| Net value of acquired assets, including the value of private placing | 410 | 73 | 347 | 98 | 928 |
| Total acquisition cost | 410 | 244 | 278 | 96 | 1028 |
| Non-cash elements of acquisition cost | - | -54 | -118 | - | -172 |
| Consideration and cost in cash and cash equivalents | 410 | 190 | 160 | 96 | 856 |
| Cash and cash equivalents in acquired companies | -9 | -47 | - | -34 | -90 |
| Net cash payments in connection with the acquisitions | 401 | 143 | 160 | 62 | 766 |
| Fair value of acquired receivables | 33 | 17 | 1 | 9 | 60 |
| Gross nominal value of acquired receivables | 33 | 17 | 1 | 9 | 60 |
| Gain/loss from derecognition of earlier recognised shareholding | - | - | 113 | - | 113 |
| Contribution to gross operating revenue since acquisition date | 221 | 58 | - | 13 | 292 |
| Contribution to net profit since acquisition date | -9 | 24 | 4 | -5 | 14 |
| Proforma figure 2011 gross operating revenue | 379 | 76 | - | 51 | 506 |
| Proforma figure 2011 gross net profit | -9 | 30 | 5 | -8 | 18 |

## BUSINESS COMBINATIONS 2010

There were no significant business combinations in 2010.

## CONSOLIDATED COMPANIES

SHARES IN SUBSIDIARIES

|  | Registered <br> office | Country | Shareholding and <br> voting share |
| :--- | :--- | :--- | :--- |
| Name |  |  |  |
| Shares in Subsidiaries | Oslo | Norway | Statkraft AS |
| Bio Varme AS | Sparany |  |  |
| Renewable Energies and Photovoltaics Spain S.L. | Malaga | Spain | Statkraft AS |
| Statkraft Albania Shpk. | Tirana | Albania | Statkraft AS |
| Statkraft Carbon Invest AS | Oslo | Norway | Statkraft AS |
| Statkraft Development AS | Oslo | Norway | Statkraft AS |
| Statkraft Elektrik enerjisi Toptan Satis Ltd. Sti. | Istanbul | Turkey | Statkraft AS |
| Statkraft Energi AS | Oslo | Norway | Statkraft AS |
| Statkraft Enerji A.S. | Istanbul | Turkey | Statkraft AS |
| Statkraft Financial Energy AB | Stockholm | Sweden | Statkraft AS |
| Statkraft Forsikring AS | Oslo | Norway | Statkraft AS |
| Statkraft France SAS | Lyon | Frankrike | Statkraft AS |
| Statkraft Germany GmbH | Düsseldorf | Germany | Statkraft AS |
| Statkraft Industrial Holding AS | Oslo | Norway | Statkraft AS |
| Statkraft Leasing AB | Stockholm | Sweden | Statkraft AS |
| Statkraft Norfund Power Invest AS | Oslo | Norway | Statkraft AS |
| Statkraft SCA Vind AB | Stockholm | Sweden | Statkraft AS |
| Statkraft Suomi Oy | Kotka | Finland | Statkraft AS |
| Statkraft Sverige AB | Stockholm | Sweden | Statkraft AS |
| Statkraft Södra Vindkraft AB | Stockholm | Sweden | Statkraft AS |
| Statkraft Södra Vindkraft Utveckling AB | Stockholm | Sweden | Statkraft AS |

## $\rightarrow$ Notes

Auditor's Report

| Name | Registered office | Country | Parent company | Shareholding and voting share |
| :---: | :---: | :---: | :---: | :---: |
| Statkraft Treasury Centre GBP SA | Brüssel | Belgium | Statkraft AS | 100.00\% |
| Statkraft Treasury Centre NOK SA | Brüssel | Belgium | Statkraft AS | 100.00\% |
| Statkraft Treasury Centre SA | Brüssel | Belgium | Statkraft AS | 100.00\% |
| Statkraft Treasury Centre SEK SA | Brüssel | Belgium | Statkraft AS | 100.00\% |
| Statkraft UK Ltd. | London | United Kingdom | Statkraft AS | 100.00\% |
| Statkraft Värme AB | Kungsbacka | Sweden | Statkraft AS | 100.00\% |
| Statkraft Western Balkans d.o.o. | Beograd | Serbia | Statkraft AS | 100.00\% |
| Wind Power Bulgaria EOOD | Sofia | Bulgaria | Statkraft AS | 60.00\% |
| Fjordkraft AS ${ }^{1)}$ | Bergen | Norway |  |  |
| Småkraft AS ${ }^{2)}$ | Bergen | Norway |  |  |
| Shares in Subsidiaries owned by Subsidiaries |  |  |  |  |
| Baillie Windfarm Holdings Ltd. |  |  |  |  |
| Baillie Windfarm Ltd. | Thurso | United Kingdom | Baillie Windfarm Holdings Ltd. | 100.00\% |
| Bio Varme AS |  |  |  |  |
| Stjørdal Fjernvarme AS | Stjørdal | Norway | Bio Varme AS | 85.00\% |
| Knapsack Power GmbH \& Co KG |  |  |  |  |
| Knapsack Power Verwaltungs GmbH | Düsseldorf | Germany | Knapsack Power GmbH \& Co KG | 100.00\% |
| Skagerak Energi AS |  |  |  |  |
| Skagerak Kraft AS | Porsgrunn | Norway | Skagerak Energi AS | 100.00\% |
| Skagerak Nett AS | Porsgrunn | Norway | Skagerak Energi AS | 100.00\% |
| Skagerak Naturgass AS | Porsgrunn | Norway | Skagerak Energi AS | 100.00\% |
| Skagerak Elektro AS | Porsgrunn | Norway | Skagerak Energi AS | 100.00\% |
| Skagerak Varme AS | Porsgrunn | Norway | Skagerak Energi AS | 100.00\% |
| Skagerak Kraft AS |  |  |  |  |
| Grunnåi Kraftverk AS | Porsgrunn | Norway | Skagerak Kraft AS | 55.00\% |
| Skagerak Varme AS |  |  |  |  |
| Skien Fjernvarme | Skien | Norway | Skagerak Varme AS | 51.00\% |
| Statkraft Development AS |  |  |  |  |
| Hitra Vind AS | Oslo | Norway | Statkraft Development AS | 100.00\% |
| Kjøllefjord Vind AS | Oslo | Norway | Statkraft Development AS | 100.00\% |
| Smøla Vind 2 AS | Oslo | Norway | Statkraft Development AS | 100.00\% |
| Statkraft Energi AS |  |  |  |  |
| Baltic Cable AS | Malmø | Sweden | Statkraft Energi AS | 100.00\% |
| Trondheim Energi Kraft AS | Trondheim | Norway | Statkraft Energi AS | 100.00\% |
| Statkraft Energy Ltd. |  |  |  |  |
| Rheidol 2008 Trustees Ltd. | London | United Kingdom | Statkraft Energy Ltd. | 100.00\% |
| Statkraft Enerji A.Ş. |  |  |  |  |
| Çakıt Enerji A.Ş. | Istanbul | Turkey | Statkraft Enerji A.Ş. | 100.00\% |
| Anadolu Elektrik A.Ş. | Istanbul | Turkey | Statkraft Enerji A.Ş. | 100.00\% |
| Çetin Enerji A.Ş. | Istanbul | Turkey | Statkraft Enerji A.Ş. | 100.00\% |
| Kargı Kızılırmak Enerji A.Ş. | Istanbul | Turkey | Statkraft Enerji A.Ş. | 100.00\% |
| Statkraft France SAS |  |  |  |  |
| Plaine de I'Ain Power SAS | Lyon | France | Statkraft France SAS | 100.00\% |
| Statkraft Germany GmbH |  |  |  |  |
| Statkraft Markets GmbH | Düsseldorf | Germany | Statkraft Germany GmbH | 100.00\% |
| Statkraft Holding Knapsack GmbH |  |  |  |  |
| Knapsack Power GmbH \& Co KG | Düsseldorf | Germany | Statkraft Holding Knapsack GmbH | 100.00\% |
| Statkraft Industrial Holding AS |  |  |  |  |
| Skagerak Energi AS | Porsgrunn | Norway | Statkraft Industrial Holding AS | 66.62\% |
| Trondheim Energi AS | Trondheim | Norway | Statkraft Industrial Holding AS | 100.00\% |
| Statkraft Markets GmbH |  |  |  |  |
| Statkraft Markets Hungaria LLC | Budapest | Hungary | Statkraft Markets GmbH | 100.00\% |
| Statkraft South East Europe EOOD | Sofia | Bulgaria | Statkraft Markets GmbH | 100.00\% |
| Statkraft Romania SRL | Bucuresti | Romania | Statkraft Markets GmbH | 100.00\% |
| Statkraft Energy Austria GmbH | Wien | Austria | Statkraft Markets GmbH | 100.00\% |
| Statkraft Markets BV | Amsterdam | Netherland | Statkraft Markets GmbH | 100.00\% |
| Statkraft Markets Financial Services GmbH | Düsseldorf | Germany | Statkraft Markets GmbH | 100.00\% |
| Statkraft Holding Knapsack GmbH | Düsseldorf | Germany | Statkraft Markets GmbH | 100.00\% |
| Statkraft Holding Herdecke GmbH | Düsseldorf | Germany | Statkraft Markets GmbH | 100.00\% |


| Name | Registered office | Country | Parent company | Shareholding and voting share |
| :---: | :---: | :---: | :---: | :---: |
| Statkraft Trading GmbH | Düsseldorf | Germany | Statkraft Markets GmbH | 100.00\% |
| Statkraft SCA Vind AB |  |  |  |  |
| Statkraft SCA Vind Elnät AB | Stockholm | Sweden | Statkraft SCA Vind AB | 100.00\% |
| Statkraft Suomi Oy |  |  |  |  |
| Ahvionkoski Oy | Kotka | Finland | Statkraft Suomi Oy | 100.00\% |
| Statkraft Sverige AB |  |  |  |  |
| Graninge $A B$ | Stockholm | Sweden | Statkraft Sverige AB | 100.00\% |
| Gidekraft AB | Stockholm | Sweden | Statkraft Sverige AB | 90.10\% |
| Statkraft Sverige Vattendel 3 AB | Stockholm | Sweden | Statkraft Sverige AB | 100.00\% |
| Statkraft Södra Vindkraft AB |  |  |  |  |
| Statkraft Södra Vindarrende AB | Växjö | Sweden | Statkraft Sverige AB | 100.00\% |
| Statkraft UK Ltd. |  |  |  |  |
| Statkraft Wind UK Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Statkraft Energy Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Baillie Windfarm Holdings Ltd. | London | United Kingdom | Statkraft UK Ltd. | 80.00\% |
| Doggerbank Project 1A Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Doggerbank Project 1B Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Doggerbank Project 2A Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Doggerbank Project 2B Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Doggerbank Project 3A Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Doggerbank Project 3B Statkraft Ltd. | London | United Kingdom | Statkraft UK Ltd. | 100.00\% |
| Trondheim Energi AS |  |  |  |  |
| Statkraft Varme AS | Trondheim | Norway | Trondheim Energi AS | 100.00\% |
| Trondheim Energi Eiendom AS | Trondheim | Norway | Trondheim Energi AS | 100.00\% |
| Enita AS | Trondheim | Norway | Trondheim Energi AS | 100.00\% |
| SN Power |  |  |  |  |
| Agua Imara AS ${ }^{3}$ |  |  |  |  |
| SN Power ACA Pte. Ltd. | Singapore | Singapore | Agua Imara AS | 100.00\% |
| SN Power ACA Pte. Ltd. |  |  |  |  |
| Lunsemfwa Hydro Power Company Ltd. | Kabwe | Zambia | SN Power ACA Pte. Ltd. | 51.00\% |
| SN Power Brasil AS |  |  |  |  |
| SN Power Energia do Brasil Ltda. | Rio de Janeiro | Brasil | SN Power Brasil AS | 100.00\% |
| SN Power Chile Inversiones Electricas Ltda. |  |  |  |  |
| SN Power Chile Tingueririca y Cia. | Santiago | Chile | SN Power Chile Inversiones Electricas | Ltda. 99.90\% |
| SN Power Chile Valdivia y Cia. | Santiago | Chile | SN Power Chile Inversiones Electricas | Ltda. 99.90\% |
| SN Power Chile Valdivia y Cia. |  |  |  |  |
| Norvind S.A | Santiago | Chile | SN Power Chile Valdivia y Cia. | 100.00\% |
| SN Power Energia do Brasil Ltda. |  |  |  |  |
| SN Power Participacões Ltda. | Rio de Janeiro | Brasil | SN Power Energia do Brasil Ltda. | 100.00\% |
| SN Power Holding AS |  |  |  |  |
| SN Power Holding Singapore Pte. Ltd. | Singapore | Singapore | SN Power Holding AS | 100.00\% |
| SN Power Holding Chile Pte. Ltd. |  |  |  |  |
| SN Power Chile Inversiones Eléctricas Ltda. | Santiago | Chile | SN Power Holding Chile Pte. Ltd. | 100.00\% |
| SN Power Holding Peru Pte. Ltd. |  |  |  |  |
| SN Power Peru Holding S.R.L | Lima | Peru | SN Power Holding Peru Pte. Ltd. | 100.00\% |
| SN Power Holding Singapore Pte. Ltd. |  |  |  |  |
| SN Power Global Services Pte. Ltd. | Singapore | Singapore | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| SN Power Holding Peru Pte. Ltd. | Singapore | Singapore | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| SN Power Holding Chile Pte. Ltd. | Singapore | Singapore | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| SN Power International Pte. Ltd. | Singapore | Singapore | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| SN Power India Pvt. Ltd. | New Dehli | India | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| SN Power Markets Pvt. Ltd. | New Dehli | India | SN Power Holding Singapore Pte. Ltd. | 100.00\% |
| Himal Power Ltd. | Kathmandu | Nepal | SN Power Holding Singapore Pte. Ltd. | 52.2\%/57.1\% |
| SN Power Vietnam Pte. Ltd. | Hanoi | Vietnam | SN Power Holding Singapore Pte. Ltd. | 80.00\% |
| SN Power Participacões Ltda. |  |  |  |  |
| SN Power Comercializadora Ltda. ${ }^{4)}$ <br> SN Power Peru Holding S.R.L | Rio de Janeiro | Brasil | SN Power Participacões Ltda. | 100.00\% |


| Name | Registered office | Country | Parent company | Shareholding and voting share |
| :---: | :---: | :---: | :---: | :---: |
| Empresa de Generacion Electrica Cheves S.A | Lima | Peru | SN Power Peru Holding S.R.L | 68.69\% |
| SN Power Peru S.A | Lima | Peru | SN Power Peru Holding S.R.L | 100.00\% |
| SN Power Peru S.A |  |  |  |  |
| Empresa de Generacion Electrica Cheves S.A | Lima | Peru | SN Power Peru S.A | 31.31\% |
| Statkraft Norfund Power Invest AS |  |  |  |  |
| SN Power Holding AS | Oslo | Norway | Statkraft Norfund Power Invest AS | 100.00\% |
| Agua Imara AS 3) | Oslo | Norway | Statkraft Norfund Power Invest AS | 45.9\%/51.0\% |
| SN Power Brasil AS | Oslo | Norway | Statkraft Norfund Power Invest AS | 100.00\% |
| 1) Fjordkraft AS is owned by Statkraft Industrial Holding AS (3.15\%), Skagerak Energi AS (48\%) and Bergenshalvøens Kommunale Kraftselskap AS (48.85\%). Fjordkraft AS has been consolidated since 1st of January 2007. |  |  |  |  |
| ${ }^{2}$ ) Småkraft AS is owned $20 \%$ by Skagerak Kraft AS, Agder Energi AS and Bergenhalvøens Kommunale Kraftselskap AS. Statkraft AS owns $40 \%$ directly. <br> ${ }^{3)}$ SN Power AfriCA AS has changed name to Agua Imara AS. |  |  |  |  |

## SEGMENT INFORMATION

Statkraft's segment reporting is in accordance with IFRS 8. The Group reports operating segments in accordance with how the corporate management makes, follows up and evaluates its decisions. The operating segments have been identified on the basis of internal management information that is periodically reviewed by the management and used as a basis for resource allocation and key performance review.

As a result of a change in the Group's strategy, Statkraft was reorganised in 2010. This reorganisation was finalised with the implementation of new segments effective as of 1 January 2011. The financial information in this report has been reclassified in accordance with the new segment structure.

We are presenting the underlying results for each of the segments. The underlying results consist of ordinary results, adjusted for unrealised effects from energy contracts (excluding Trading \& Origination) and material non-recurring items

The segments that have been implemented with effect from 1 January 2011 are:
Nordic hydropower is the largest segment and includes hydropower plants in the Nordic region. The production assets consist mainly of water regulation facilities and include hydropower plants in Norway, Sweden and Finland.

Continental energy and trading includes gas power plants in Germany and Norway, hydropower plants in Germany and the UK and bio-based power plants in Germany, as well as Baltic Cable AB, the subsea cable between Sweden and Germany.

The segment includes trading and origination, as well as revenue optimization and risk mitigation related to both the Continental and Nordic production. In this manner, the Group can take advantage of its overall market expertise in the best possible manner.

International hydropower operates in emerging economies with expected high growth and substantial need for energy. Statkraft focuses on selected markets where the Group's hydropower expertise can be applied.

Wind power includes Statkraft's investments in land-based and offshore wind power. The segment has land-based wind farms in operation in Norway, Sweden and the United Kingdom. Offshore wind concentrates on the UK market.

District heating operates in Norway and Sweden. Further growth will primarily take place in Norway where Statkraft is one of the two largest suppliers of district heating.

Industrial ownership includes management and development of Norwegian shareholdings. The segment includes companies that are consolidated in the consolidated accounts, and companies that are reported as associates.

Other activities include small-scale hydropower, the shareholding of $4.17 \%$ in E.ON AG, innovation, internal financial loans to other segments from Statkraft Treasury Centre and group functions.

Group items include non-recurring items, unrealised effects on energy contracts excluding Trading \& Origination, eliminations and unallocated assets.

## ACCOUNTING SPECIFICATION PER SEGMENT

| Segments NOK million | Statkraft AS Group | Nordic <br> Hydropower | Continental Energy \& Trading | $\begin{array}{r} \text { Inter- } \\ \text { national } \\ \text { Hydropower } \end{array}$ | Wind <br> Power | District Heating | Industrial ownership | Other activities | Group <br> Items |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 |  |  |  |  |  |  |  |  |  |
| Operating revenues external | 22371 | 8388 | 4280 | 1047 | 39 | 554 | 7799 | 232 | 31 |
| Operating revenues internal | - | 4286 | -174 | 19 | 311 | 1 | 43 | 632 | -5 117 |
| Gross operating revenues | 22371 | 12674 | 4106 | 1066 | 350 | 555 | 7842 | 864 | -5 086 |
| Operating profit/loss | 6203 | 8002 | -413 | -1 | -104 | 40 | 1297 | -334 | -2 283 |
| Share of profits/losses from associated |  |  |  |  |  |  |  |  |  |
| companies and joint ventures | 898 | - | -98 | 449 | -389 | 4 | 933 | -1 |  |
| Profit/loss before financial items and tax | 7101 | 8002 | -511 | 448 | -493 | 44 | 2230 | -335 | -2 283 |
| Balance Sheet 31.12.11 |  |  |  |  |  |  |  |  |  |
| Investments in associates and joint ventures | 16110 | - | 533 | 5875 | 650 | 1 | 9050 | - |  |
| Other assets | 127768 | 48761 | 5759 | 8467 | 2711 | 2660 | 13899 | 61139 | -15 627 |
| Total assets | 143878 | 48761 | 6292 | 14342 | 3361 | 2661 | 22949 | 61139 | -15 627 |
| Depreciation, amortisation and impairments | -3 564 | -1 117 | -396 | -221 | -104 | -106 | -449 | -68 | -1 103 |
| Maintenance investments | 1129 | 469 | 303 | 69 | 1 | 8 | 248 | 32 |  |
| Investments in new generating capacity | 5217 | 1397 | 1446 | 959 | 491 | 401 | 348 | 175 |  |
| Investments in shares | 1923 | - | 585 | 1051 | 187 | 97 | 2 | - |  |
| 2010 |  |  |  |  |  |  |  |  |  |
| Operating revenues external | 29252 | 12173 | 6253 | 726 | -21 | 609 | 8699 | 545 | 268 |
| Operating revenues internal | - | 4459 | -723 | 1 | 310 | 3 | 65 | 414 | -4 529 |
| Gross operating revenues | 29252 | 16632 | 5530 | 727 | 289 | 612 | 8764 | 959 | -4 261 |
| Operating profit/loss | 12750 | 11555 | 159 | -41 | -173 | 59 | 1557 | -551 | 184 |
| Share of profits/losses from associated companies and joint ventures | 766 | - | 196 | 185 | -35 | -2 | 468 | -46 | - |
| Profit/loss before financial items and tax | 13516 | 11555 | 356 | 144 | -208 | 57 | 2025 | -597 | 184 |


| Balance Sheet 31.12.10 |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Investments in associates |  |  |  |  |  |  |  |  |  |
| and joint ventures | 17090 | - | 667 | 5730 | 1086 | - | 9572 | 38 | -3 |
| Other assets | 138877 | 48008 | 5959 | 6994 | 1807 | 2173 | 14583 | 69616 | -10 263 |
| Total assets | 155967 | 48008 | 6626 | 12724 | 2893 | 2173 | 24155 | 69654 | -10 266 |
| Depreciation, amortisation |  |  |  |  |  |  |  |  |  |
| and impairments | -3 205 | -1 111 | -451 | -161 | -107 | -95 | -498 | -121 | -662 |
| Maintenance investments | 1000 | 437 | 161 | 103 | 3 | 3 | 235 | 59 |  |
| Investments in new |  |  |  |  |  |  |  |  |  |
| generating capacity | 1852 | 584 | 119 | 272 | 130 | 191 | 356 | 200 |  |
| Investments in shares | 888 | - | - | 325 | 559 | - | - | 4 |  |
| Specification of group items: |  |  |  |  |  |  |  |  |  |
| NOK million |  |  |  |  |  |  | 11 |  | 2010 |
| Unrealised value changes energy contracts, excl Trading \& Origination |  |  |  |  |  |  |  |  | 62 |
| Material non-recurring items |  |  |  |  |  |  |  |  | 70 |
| Gain on sale of Sluppen Eiendom AS |  |  |  |  |  | 26 |  |  |  |
| Gain on sale of Trondheim Energi Nett AS |  |  |  |  |  | - |  | 393 |  |
| Pension commitment |  |  |  |  |  | - |  | 339 |  |
|  |  |  |  |  | Depreciation power plant in Nepal due to reversion to state ownership | 74 |  |  |  |
| Impairments of non-current assets and receivables |  |  |  |  |  | 87 |  | -662 |  |
| Eliminations and other group items |  |  |  |  | -96 |  |  |  | 52 |
| Total |  |  |  |  | -2 283 |  |  |  | 184 |

## SPECIFICATION PER PRODUCT

Reference is made to Note 7.

## SPECIFICATION PER GEOGRAPHICAL AREA

External sales revenues are allocated on the basis of the geographical origin of generating assets or activities.
Fixed assets consist of property, plant and equipment and intangible assets except deferred tax and are allocated on the basis of the country of origin for the production facility or activity.

| Geographical areas | Statkraft AS |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOK million | Group | Norway | Germany | Sweden | Finland | UK | Other |
| 2011 |  |  |  |  |  |  |  |
| Sales revenues external | 20924 | 16436 | 3385 | 93 | 4 | 240 | 766 |
| Non-current assets as of 31.12. | 81672 | 49973 | 4288 | 17472 | 729 | 1539 | 7671 |
| 2010 |  |  |  |  |  |  |  |
| Sales revenues external | 27780 | 20188 | 2232 | 3064 | 114 | 19 | 2163 |
| Non-current assets as of 31.12. | 78818 | 48761 | 4394 | 17810 | 726 | 815 | 6312 |

## INFORMATION REGARDING SIGNIFICANT CUSTOMERS

No external customers account for $10 \%$ or more of the Group's operating revenues.

## SALES REVENUES

Statkraft's revenues come from spot sales (sale of own production in spot markets), contract sales to the industry, financial trading, distribution grid operations, as well as district heating and power sales to end-users. The fundamental basis for Statkraft's revenues comprises power prices, water management and production.

Statkraft optimises its hydropower generation based on an assessment of the value of available water in relation to actual and expected future spot prices. This is done irrespectively of contracts entered into. In the event that Statkraft has physical contractual obligations to supply power that deviate from actual output, the difference is either bought or sold on the spot market. Necessary spot purchases are recorded as a correction to power sales. Physical and financial contracts are used to hedge underlying production in the form of purchase and sales positions. Sales positions are taken to hedge the price of a specific part of the planned future output. Buying positions are taken to adjust the hedging level if the assumptions change and Statkraft is considered to have a too highly hedged position. All contracts are recognised as adjustments to the underlying revenue from production based on the margin between the contract price and the spot price (system price for financial contracts).

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Net physical spot sales, including green certificates | 12165 | 18286 |
| Concessionary sales at statutory prices | 401 | 308 |
| Industrial sales at statutory prices | 130 | 1535 |
| Long-term commercial contracts | 5427 | 3054 |
| Dynamic hedging | -124 | 308 |
| Trading and origination | 780 | 601 |
| Distribution grid | 1114 | 1421 |
| End-user | 4902 | 5986 |
| District heating | 581 | 634 |
| Other/eliminations ${ }^{1)}$ | -4 453 | -4 354 |
| Sales revenues | 20924 | 27780 |

Statkraft has long-term physical sales contracts with power-intensive industrial customers and the wood processing industry at prices set by the Norwegian Storting (parliament), as well as obligations to supply power to local authorities at concessionary prices. These contracts are entered into at prices below the market level. Statutory-priced industrial contracts mostly ran out in 2011.

In addition, Statkraft has a number of other physical contractual obligations of varying duration to both Norwegian and international customers.

| NOK million | 2011 | 2010 |
| :--- | :---: | :---: |
| Power plant leasing revenues | 453 | 522 |
| Other leasing and service revenues | 387 |  |
| Other operating revenues | 607 |  |
| Total | 1447 |  |

Other operating revenues include a gain of NOK 126 million from the sale of Sluppen Eiendom AS. In 2010, the amount includes a gain of NOK 393 million from the sale of Trondheim Energi Nett AS.

| NOK million | 2011 |  |
| :--- | ---: | ---: |
| Gas purchases | 2368 | 2871 |
| End-user activities | 596 |  |
| Total | 2964 | 18803 |

The reason for the decline in energy purchases regarding end-user activities is that Fjordkraft AS started purchasing energy from Statkraft Energi AS during 2010.

Unrealised changes in the value of energy derivatives are classified by portfolio in the table below. The individual portfolios are described in Note 32.

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Nordic hydropower portfolio excluding industrial power | 1198 | -642 |
| Industrial power contracts in the Nordic hydropower portfolio ${ }^{1)}$ | -707 | 677 |
| Other industrial power contracts | -18 |  |
| Trading and origination | 54 | 130 |
| Continental assets ${ }^{2)}$ | -1458 | -64 |
| End-user portfolio | 1 | -25 |
| Eliminations | -168 | 117 |
| Total | -1 098 | 193 |
| 1) Volume optionality and embedded derivatives in physical industrial power contracts are evaluated at fair value. Statkraft entered into several long-term power sales contracts in the first half of 2011. Statkraft then decided to change its accounting policies for power sales agreements entered into in EUR where the other contractual party uses NOK as its functional currency. |  |  |
| ${ }^{2)}$ Gas purchase agreements previously regarded as own use, are now treated as financial instruments because of changes in the contents of the agreements. |  |  |

## 11

SALARIES AND PAYROLL COSTS AND NUMBER OF FULL-TIME EQUIVALENTS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Salary | 1970 | 1817 |
| Employers' national insurance contribution | 306 | 295 |
| Pension costs | 362 |  |
| Other benefits | 121 | 26 |
| Total | 239 |  |

The Group employed an average of 3329 full-time equivalents in 2011. The corresponding figure for 2010 was 3414.
As of 31 December 2011 the Group employed 3358 full-time equivalents. The corresponding figure for 2010 was 3301.
Pension costs are described in further detail in Note 12.

## PENSIONS

## DEFINED BENEFIT SCHEMES

Funded defined benefit schemes The companies in the Group have organised their pension schemes in the National Pension Fund (SPK), own pension funds as well as in insurance companies. Employees in the Group's Norwegian companies participate in public service occupational pension schemes in accordance with the Norwegian Public Service Pension Fund Act, the Norwegian Public Pension Service Pension Fund Transfer Agreement and the regulatory framework governing public service pensions. 2468 employees and 1219 pensioners were covered by benefit schemes as of 31 December 2011.

Pension benefits from the SPK are guaranteed by the Norwegian state (Section 1 of the Pension Act). The occupational pension schemes cover retirement, disability, surviving spouse and child's pension. With maximum accrual, the retirement schemes provide pension benefits amounting to $66 \%$ of pensionable income, up to 12 times the National Insurance Scheme's basic amount (G). In connection with the pension reform in 2010 changes were decided regarding adjustment for life expectancy, individual guarantee and new regulation of current pensions. The scheme change was recognized in the pension liability as of 31 December 2010. Adjustment for life expectancy will entail those born in 1943 or later, causing lower pension benefits than before. Employees born in 1958 or earlier will receive $66 \%$ of the pension base due to an individual guarantee. New regulation implies that accrual of pension rights will be regulated with the National Insurance Scheme's basic amount (G). Current pensions will be adjusted by the National Insurance Scheme's basic amount $(G)$ less a fixed factor of 0.75 percentage points.

Employees who leave the company before pensionable age receive a deferred pension entitlement, provided they have been member of schemes in SPK for at least three years. In schemes that are part of SPK, participating companies are not responsible for these obligations. Deferred entitlements in the pension schemes will be continued as an obligation in the pension schemes.

Companies with schemes in the SPK pay an annual premium and are responsible for the financing of the scheme. The SPK scheme is not asset-based, but management of the pension fund assets (fictitious assets) is simulated as though the assets were invested in 1-, 3-, 5- or 10-year Norwegian government bonds or a combination of these. In this simulation it is assumed that the bonds are held to maturity. The pension assets are guaranteed by the Norwegian government and up to $35 \%$ of the pension fund assets can be invested in the Norwegian Government Pension Fund - Global, which is a real fund where yields are linked to the market situation. The investment choice principles have been set out in a separate investment strategy for the Statkraft Group's pension assets in SPK. The Group will not make any new investments in the Norwegian Government Pension Fund - Global.

The pension schemes have placed the pension assets in a diversified portfolio of Norwegian and foreign interest-bearing securities, Norwegian and foreign shares, secured loans to members, hedge funds and properties through external asset managers. Definedbenefit schemes have been established for a limited number of employees in companies outside Norway.

Defined-benefit schemes have been established for a limited number of employees in companies outside Norway.
Unfunded defined benefit schemes In addition to the above, some Group companies in Norway have entered into pension agreements that provide all employees whose pensionable incomes exceed 12 G with a retirement and disability pension equivalent to $66 \%$ of that portion of their pensionable income exceeding 12 G . Due to new guidelines for companies owned by the Norwegian state, as stated by the Government 31 March 2011, the agreement is currently being revised.

Employees who leave the company before pensionable age receive a deferred pension entitlement for the scheme above 12G, provided they have been member of schemes in SPK for at least three years.

Actuarial calculations The present value of defined benefit pension liabilities and the current year's accrued pension entitlements are calculated using the accrued benefits method. The net present value of pension benefits accrued at the balance sheet date adjusted for expected future salary increases until pensionable age is based on best estimate assumptions as of 31 December 2011. Calculations are based on staff numbers and salary data at the end of the year.

Actuarial gains and losses in 2011 are mainly due to updated assumptions, staff numbers, actual salary increase and return on assets.

Explanation of the background for selected assumptions/risk table as of 31 December 2011 The discount rate is set at $2.8 \%$ for Norwegian pension schemes and is calculated as a weighted average of the risk-free interest rate until the time when payments are expected to be made. Salary adjustments for Norwegian schemes are mainly calculated as the total of the expected nominal salary increase of $1.75 \%$, inflation of $2.0 \%$ and career progression increase of $0.25 \%$, with some minor adaptations. For the majority of the Norwegian schemes, adjustment of current pensions follows the Norwegian National Insurance Scheme's basic amount (G -0.75 percentage points). For demographic factors, the K2005, GAP07 and IR73 tariffs are used to establish mortality and disability risks. The stipulation of parameters which apply to foreign defined-benefit schemes is adapted to local conditions.

## DEFINED CONTRIBUTION SCHEMES

In companies outside of Norway, defined contribution schemes have been established in accordance with local statutes.

| The following assumptions are used | 31.12.11 | 01.01.11 | 31.12 .10 | 01.01.10 |
| :---: | :---: | :---: | :---: | :---: |
| Annual discount rate ${ }^{1)}$ | 2.8-5.2\% | 3.7-5.5\% | 3.7-5.5\% | 4.4-6\% |
| Salary adjustment | 4\% | 4\% | 4\% | 4.3-4.5\% |
| Adjustment of current pensions | 3\% | 3\% | 3\% | 4\% |
| Adjustment of the National Insurance Scheme's basic amount (G) | 3.75\% | 3.75\% | 3.75\% | 4\% |
| Forecast voluntary exit |  |  |  |  |
| - Up to age 45 | 3.5\% | 3.5\% | 3.5\% | 3.5\% |
| - Between ages 45 and 60 | 0.5\% | 0.5\% | 0.5\% | 0.5\% |
| - Over age 60 | 0\% | 0\% | 0\% | 0\% |
| Projected yield ${ }^{1)}$ | 2.8-4.5\% | 3.7-6\% | 3.7-6\% | 4.4-6\% |
| Rate of inflation ${ }^{1)}$ | 2-2.9\% | 2-3.3\% | 2-3.3\% | 2.3-3.4\% |
| Tendency to take early retirement (AFP) 1 | 10.0-30.0\% | 10.0-30.0\% | 10.0-30.0\% | 10.0-30.0\% |
| ${ }^{1)}$ Interval discount rate, projected yield and inflation for foreign entities. |  |  |  |  |
| Breakdown of net defined benefit pension liability |  |  |  |  |
| NOK million |  | 2011 |  | 2010 |
| Present value of accrued pension entitlements for funded defined benefit scheme |  | 5914 |  | 4669 |
| Fair value of pension assets |  | 3296 |  | 3124 |
| Actual net pension liability for funded defined benefit schemes |  | 2619 |  | 1545 |
| Present value of accrued pension entitlements for unfunded defined benefit schem | emes | 410 |  | 285 |
| Employers' national insurance contribution |  | 424 |  | 276 |
| Net pension liabilities in the balance sheet (see Note 26) |  | 3453 |  | 2106 |


| Movement in defined benefit pension liability during the year | 2011 |  |
| :--- | ---: | ---: |
| NOK million | 4954 | 2010 |
| Defined benefit pension liabilities 01.01. | 988 |  |
| Increase in liabilities for new subsidiary/new members | -23 | 2 |
| Reduction in liabilities as a result of transfer of employees | 283 | -395 |
| Present value of accrued pension entitlements for the year | 177 | -5 |
| Interest expenses | 1049 | 189 |
| Amortisation scheme change, excluding employers' national insurance contribution | -129 | -298 |
| Estimate deviation | -1 | 396 |
| Paid benefits | -115 |  |
| Currency translation effects | -324 | -3 |
| Gross defined benefit pension liabilities 31.12. | 495 |  |


| Movement in the fair value of pension assets for defined benefit pension schemes |  |  |
| :---: | :---: | :---: |
| NOK million | 2011 | 2010 |
| Fair value of pension assets 01.01. | 3124 | 3062 |
| Projected yield on pension assets | 136 | 134 |
| Estimate deviation | -117 | 42 |
| Total contributions | 281 | 271 |
| Increase in pension assets through new subsidiary | 2 | - |
| Reduction in assets as a result of transfer of employees | -6 | -263 |
| Paid benefits | -125 | -115 |
| Currency translation effects | 0 | -9 |
| Fair value of pension assets 31.12. | 3296 | 3124 |
| Pension assets comprise | 2011 | 2010 |
| Equity instruments | 530 | 563 |
| Interest-bearing instruments | 2465 | 2273 |
| Other | 300 | 288 |
| Fair value of pension assets 31.12. | 3296 | 3124 |


| Movement in actuarial gains and losses recognised in comprehensive income |  |  |
| :---: | :---: | :---: |
| NOK million | 2011 | 2010 |
| Cumulative amount recognised in comprehensive income 01.01. | 2243 | 1840 |
| Recognised in comprehensive income during the period | 1300 | 404 |
| Cumulative amount recognised directly in equity before tax 31.12. | 3543 | 2243 |
| Deferred tax relating to actuarial gains (-)/losses (+) recognised in comprehensive income | 992 | 628 |
| Cumulative amount recognised directly in equity after tax 31.12. | 2551 | 1615 |

Pension cost recognised in the income statement
Defined benefit schemes

| 2010 |  |  |
| :--- | ---: | ---: |
| NOK million | 2011 |  |
| Present value of accrued pension entitlements for the year | 283 | 290 |
| Interest expense | 177 |  |
| Projected yield on pension assets | -136 | 189 |
| Amortisation of scheme changes | 5 | -134 |
| Employee contributions | -26 | -298 |
| Employers' national insurance contribution | -22 |  |
| Pension cost defined benefit schemes | 34 |  |



Statement of Comprehensive Income
Balance Sheet
Statement of Cash Flow
Statement of Changes in Equity
$\rightarrow$ Notes
Auditor's Report

## 13 PROPERTY TAX AND LICENCE FEES

| NOK million | 2011 | 2010 |
| :--- | :---: | :---: |
| Property tax | 970 | 941 |
| Licence fees | 284 |  |
| Total | 1254 |  |

Licence fees are adjusted in line with the Consumer Price Index, with the first adjustment taking place on 1 January five years after the licence was granted and every fifth year thereafter.

The present value of the Group's future licence fee obligations that are not provided for in the annual financial statements is estimated at NOK 4739 million, discounted at an interest rate of $6 \%$ in accordance with the regulations relating to the adjustment of licence fees, annual compensation and funds, etc. With basis in a risk-free interest rate, we have added a premium for risk, reflecting an eternal obligation. In 2010, the amount was NOK 7108 million (interest rate $4 \%$ ).

## $14 \Rightarrow$ OTHER OPERATING EXPENSES

| NOK million | 2010 |  |
| :--- | ---: | ---: |
| Purchase of third-party services | 2011 |  |
| Materials | 909 | 1232 |
| Cost of power plants operated by third parties | 446 | 345 |
| Compensation payments | 491 | 483 |
| Rent | 104 | 56 |
| IT expenses | 258 | 305 |
| Marketing | 138 | 128 |
| Travel expenses | 160 | 11 |
| Insurance | 120 | 101 |
| Other operating expenses | 560 | 166 |
| Total | 3314 | 94 |
|  |  | 605 |

## $15 \Rightarrow$ FINANCIALITEMS

| 2011 | Assessment basis |  |  |  | Bank | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Fair value through profit or loss | Amortised cost | Available for sale | Equity method |  |  |
| Financial income |  |  |  |  |  |  |
| Interest income | - | 65 | - | - | 506 | 571 |
| Financial derivatives, net realised currency gains | 283 | - | - | - | - | 283 |
| Bank accounts and loans, net realised currency gains | - | 200 | - | - | -366 | -166 |
| Dividend | - | - | 993 | - | - | 993 |
| Other financial income | - | 165 | - | 169 | - | 334 |
| Total | 283 | 430 | 993 | 169 | 140 | 2015 |
| Financial expenses |  |  |  |  |  |  |
| Interest expenses | -281 | -1 219 | - | - | -7 | -1507 |
| Financial derivatives, net realised currency losses | -37 | - | - | - | - | -37 |
| Other financial expenses | - | -23 | - | -16 | -42 | -81 |
| Total | -318 | -1242 | - | -16 | -49 | -1625 |


| Unrealised changes in value, financial items |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Financial interest rate swaps | 184 | - | - | - | - | 184 |
| Financial currency and interest rate swaps | 88 | - | - | - | - | 88 |
| Forward exchange contracts | -51 | - | - | - | - | -51 |
| Foreign currency loans | -132 | 116 | - | - | - | -16 |
| Securities liquidity, gains/losses ${ }^{1)}$ | -83 | - | -4 147 | - | - | -4 230 |
| Total | 6 | 116 | -4 147 | - | - | -4 025 |
| Net financial items | -29 | -696 | -3154 | 153 | 91 | -3635 |


| 2010NoK million | Assessment basis |  |  |  | Bank | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{array}{r} \text { Fair value } \\ \text { through } \\ \text { profit or loss } \\ \hline \end{array}$ | Amortised cost | Available for sale | $\begin{array}{r} \text { Equity } \\ \text { method } \end{array}$ |  |  |
| Financial income |  |  |  |  |  |  |
| Interest income | - | 131 | - | - | 168 | 299 |
| Financial derivatives, net realised currency gains | 969 |  | - | - |  | 969 |
| Bank accounts and loans, net realised currency gains |  | 160 | - | - | -360 | -200 |
| Dividend |  |  | 975 | - |  | 975 |
| Other financial income | - | 19 | - | - | -2 | 17 |
| Total | 969 | 310 | 975 | - | -194 | 2060 |
| Financial expenses |  |  |  |  |  |  |
| Interest expenses | -174 | -1 355 | - | - | - | -1529 |
| Other financial expenses | 30 | -93 | - | - | -15 | -78 |
| Total | -144 | -1448 | - | - | -15 | -1607 |
| Unrealised changes in value, financial items |  |  |  |  |  |  |
| Financial interest rate swaps | 120 | - | - | - | - | 120 |
| Financial currency and interest rate swaps | -576 | - | - | - | - | -576 |
| Forward exchange contracts | 157 | - | - | - | - | 157 |
| Foreign currency loans | 761 | 3463 | - | - | - | 4224 |
| Securities liquidity, gains/losses ${ }^{1)}$ | -476 | - | -4 818 | - | - | -5 294 |
| Total | -14 | 3463 | -4 818 | - | - | -1 369 |
| Net financial items | 811 | 2325 | -3 843 | - | -209 | -917 |

## TAXES

| The tax expense comprises the following |  |  |
| :---: | :---: | :---: |
| NOK million | 2011 | 2010 |
| Income tax | 2348 | 3832 |
| Resource rent tax | 1409 | 2057 |
| Correction relating to tax assessment for previous years | 79 | 20 |
| Change in deferred tax | -557 | -907 |
| Withholding tax | 149 | 146 |
| Tax expense in the income statement | 3427 | 5148 |
| Income tax payable |  |  |
| NOK million | 2011 | 2010 |
| Income taxes payable on the Group's profit for the year | 2348 | 3485 |
| Effect of Group contributions on tax liability | -752 | -2 104 |
| Income tax payable before offsetting against natural resource tax for the year | 1596 | 1381 |
| Tax payable in the balance sheet |  |  |
| NOK million | 2011 | 2010 |
| Natural resource tax | 575 | 589 |
| Resource rent tax | 1409 | 2057 |
| Income tax exceeding natural resource tax | 1021 | 791 |
| Tax due from previous financial years | 390 | 21 |
| Tax payable in the balance sheet | 3396 | 3458 |
| Reconciliation of nominal Norwegian tax rate of 28 per cent and effective tax rate |  |  |
| NOK million | 2011 | 2010 |
| Profit before tax | 3466 | 12599 |
| Expected tax expense at a nominal rate of 28\% | 970 | 3527 |
| Effect on taxes of |  |  |
| Resource rent tax | 1534 | 558 |
| Differences in tax rates from Norway | -523 | -427 |
| Share of profit from associates | -251 | -215 |
| Tax-free income | -233 | -176 |
| Changes relating to previous years | 79 | 237 |
| Reduction in value E.ON AG shares | 1149 | 1349 |
| Change in unrecognised deferred tax assets | 439 | 301 |
| Other permanent differences, net | 262 | -7 |
| Tax expense | 3427 | 5148 |
| Effective tax rate | 98.9\% | 40.9\% |

## BREAKDOWN OF DEFERRED TAX

The following table provides a breakdown of the net deferred tax liability. Deferred tax assets and liabilities connected with various tax subjects/regimes are presented separately in the balance sheet. Deferred tax assets are recognised in the balance sheet to the extent that it is probable that these will be utilised.

| NOK million | 01.01.11 | Recognised in tax expense | Recognised in other comprehensive income | Acquisitions and sale of companies | Group contribution | 31.12.11 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Current assets/current liabilities | 1910 | -410 |  | 190 | -1 052 | 639 |
| Property, plant and equipment | 6098 | 570 | 113 | 369 |  | 7150 |
| Pension liabilities | -605 | 25 | -364 | 5 |  | -941 |
| Other long-term items | 2251 | -831 | - | - |  | 1420 |
| Tax loss carryforward/compensation | -190 | 21 | -7 | -32 |  | -210 |
| Deferred tax, resource rent tax | 1761 | 33 | - |  |  | 1794 |
| Negative resource rent tax carryforward ${ }^{1)}$ | -3 113 | 35 | - | - | - | -3 078 |
| Total net deferred tax liability | 8112 | -557 | -258 | 532 | -1 052 | 6774 |

Of which presented as deferred tax asset, see Note $17 \quad 1954$
Of which presented as deferred tax liability, see Note $26 \quad 10066$
${ }^{1)}$ Tax assets related to negative resource rent tax carryforward in power plants where the future tax-related profit for the next ten years can be estimated, are recognised in the balance sheet. Normal production and price curve expectations for the next ten years form the basis for the calculation of expected future taxable profit. Off-balance sheet deferred tax assets related to negative resource rent tax carryforward amounted to NOK 1462 million as of 31 December 2011.

| NOK million | 01.01.10 | Recognised in tax expense | Recognised in other comprehensive income | Acquisitions and sale of companies | $\begin{array}{r} \text { Group } \\ \text { contribution } \end{array}$ | 31.12.10 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Current assets/current liabilities | 1942 | -2 161 | 26 | -1 | 2104 | 1910 |
| Property, plant and equipment | 4587 | 1705 | -193 |  |  | 6098 |
| Pension liabilities | -589 | 99 | -113 | -2 |  | -605 |
| Other long-term items | 402 | 1853 | -3 |  |  | 2251 |
| Tax loss carryforward/compensation | -240 | 49 |  | 1 |  | -190 |
| Deferred tax, resource rent tax | 2242 | -482 |  |  |  | 1761 |
| Negative resource rent tax carryforward ${ }^{1)}$ | -1 143 | -1970 |  |  |  | -3 113 |
| Total net deferred tax liability | 7202 | -907 | -283 | -2 | 2104 | 8112 |

Of which presented as deferred tax asset, see Note $17 \quad 1163$
${ }^{1)}$ Tax recognised as income relating to estimated negative resource rent tax carryforwards was about NOK 1900 million in 2010. The estimate change was a combination of changed assumptions during the course of the year, as well as improved methods for estimating deferred tax assets. The calculated effect of the changed assumptions and improved estimation methods was about NOK 1400 million. Share of tax assets related to negative resource rent tax carryforward in power plants where the future tax-related profit for the next ten years can be estimated, are recognised in the balance sheet. Normal production and price curve expectations for the next ten years form the basis for the calculation of expected future taxable profit. Off-balance sheet deferred tax assets related to negative resource rent tax carryforward amounted to NOK 1665 million as of 31 December 2010.

Deferred tax recognised in other comprehensive income

| Deferred tax recognised in other comprehensive income |  |
| :--- | :---: | :---: |
| NOK million 2011 <br> Estimate deviation pension -364 <br> Translation differences 106 <br> Total deferred tax recognised in other comprehensive income -258 |  |

## 17 - INTANGIBLE ASSETS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Deferred tax asset | 2219 | 1954 |
| Goodwill | 711 | 547 |
| Other | 178 |  |
| Total | 3108 | 480 |

Deferred tax is presented in more detail in Note 16.

| NOK million | Goodwill | Other | Total |
| :---: | :---: | :---: | :---: |
| 2011 |  |  |  |
| Book value 01.01. | 547 | 480 | 1027 |
| Additions | - | 24 | 24 |
| Additions from business combinations | 119 | - | 119 |
| Reclassifications between asset classes | 64 | -64 |  |
| Transferred to fixed assets | - | -150 | -150 |
| Currency translation effects | 19 | 7 | 26 |
| Disposals | -8 | -46 | -54 |
| Amortisation | - | -14 | -14 |
| Impairments | -30 | -59 | -89 |
| Book value 31.12 | 711 | 178 | 889 |
| Cost as of 31.12 | 1383 | 415 | 1798 |
| Accumulated amortisation and impairments 31.12. | -672 | -237 | -909 |
| Book value 31.12 | 711 | 178 | 889 |
| 2010 |  |  |  |
| Book value 01.01. | 648 | 466 | 1114 |
| Additions | 1 | 202 | 203 |
| Additions from business combinations | 6 |  | 6 |
| Currency translation effects | 1 | -4 | -3 |
| Amortisation | - | -41 | -41 |
| Impairments | -109 | -143 | -252 |
| Book value 31.12 | 547 | 480 | 1027 |
| Cost as of 31.12 | 1111 | 1069 | 2180 |
| Accumulated depreciation and impairments 31.12. | -564 | -589 | -1 152 |
| Book value 31.1 | 547 | 480 | 1027 |

Expected economic lifetime
10-15 years

## IMPAIRMENT GOODWILL

The goodwill has been tested for impairment at year-end. The testing resulted in no material impairment losses in the financial statements for 2011.

NOK 109 million of goodwill was impaired in 2010. The reason for the impairment was increased prices on gas and $\mathrm{CO}_{2}$ quotas while power prices were low.

## RESEARCH AND DEVELOPMENT

The Group's research and development activities comprise activities relating to new energy sources and the further development of existing plants and technologies. Research activities relating to new energy sources include general research projects. These projects are intended to provide further knowledge on technologies or other areas that could provide a basis for future activities/projects.

In order to gain new knowledge and develop new methods within the fields of energy optimisation and preservation, the Group also performs research and development activities in connection with existing plants/energy sources. Research and development activities carried out in 2011 and 2010 are expensed with NOK 150 million and NOK 143 million, respectively.

## $18 \Rightarrow$ PROPERTY, PLANT AND EQUIPMENT

| NOK million | Regulation plants | Turbines, generators etc. | Distribution grid facilities | Shareholdings in power plants operated by third parties | Properties, mountain halls, buildings, road, bridge and quay facilities | Plants under construction | Other ${ }^{1)}$ | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2011 |  |  |  |  |  |  |  |  |
| Book value 01.01. | 21384 | 17642 | 4559 | 2160 | 28574 | 2614 | 858 | 77791 |
| Additions | 69 | 404 | 75 | 53 | 327 | 4940 | 432 | 6300 |
| Additions from business combinations | - | 491 |  | - | 626 | 10 | 12 | 1139 |
| Transferred between asset classes | -1937 | -59 | -358 | -1 | 126 | -936 | 3165 | - |
| Transferred from intangible assets |  | 34 | - | - | 38 | 70 | 8 | 150 |
| Disposals |  | -13 | -486 | -26 | -219 | -33 | -232 | -1 009 |
| Capitalised loan expenses |  | 1 | - | - |  | 42 | 3 | 46 |
| Currency translation effects | -2 | 13 | - | - | 115 | -13 | -1 | 112 |
| Depreciation | -481 | -892 | -261 | -79 | -351 | - | -310 | -2 374 |
| Impairments | -3 | -484 | - | - | -79 | -513 | -8 | -1 087 |
| Accumulated depreciation/ impairments on disposals |  | 7 | 21 | - | 58 | - | 86 | 172 |
| Book value 31.12. | 19030 | 17144 | 3550 | 2107 | 29215 | 6181 | 4013 | 81240 |
| Cost 31.12. | 25945 | 30588 | 7965 | 3267 | 32832 | 6696 | 6905 | 114198 |
| Accumulated depreciation and impairments | -6 915 | -13 444 | -4 415 | -1 160 | -3 617 | -515 | -2 892 | -32958 |
| Book value 31.12. | 19030 | 17144 | 3550 | 2107 | 29215 | 6181 | 4013 | 81240 |
| 2010 |  |  |  |  |  |  |  |  |
| Book value 01.01. | 21275 | 17753 | 5272 | 2197 | 27926 | 2944 | 873 | 78240 |
| Additions | 75 | 274 | 218 | 39 | 124 | 1608 | 304 | 2642 |
| Transferred between asset classes | 156 | 1027 | 99 | - | 252 | -1715 | 181 | - |
| Disposals | - | -17 | -2 136 | - | -55 | -226 | -256 | -2 690 |
| Capitalised loan expenses | - | - | - | - |  | 2 | 7 | 9 |
| Currency translation effects | 346 | 25 | 57 | 1 | 615 | 6 | 32 | 1082 |
| Depreciation/impairments ${ }^{2)}$ | -468 | -1425 | -281 | -77 | -290 | -10 | -360 | -2 911 |
| Accumulated depreciation/ impairments on disposals | - | 5 | 1330 | - | 2 | 5 | 77 | 1419 |
| Book value 31.12. | 21384 | 17642 | 4559 | 2160 | 28574 | 2614 | 858 | 77791 |
| Cost 31.12. | 27748 | 29849 | 8744 | 3295 | 31690 | 2634 | 3432 | 107392 |
| Accumulated depreciation and impairments | -6 364 | -12 207 | -4 186 | -1 135 | -3 116 | -20 | -2 574 | -29 602 |
| Book value 31.12. | 21384 | 17642 | 4559 | 2160 | 28574 | 2614 | 858 | 77791 |

1) The Other item mainly includes district heating plants, buildings, office and computer equipment, electro-technical installations and vehicles.
2) Depreciation/impairment in 2010 includes impairment of property, plant and equipment of NOK 552 millions. The reason for the impairment was improved knowledge about recently acquired facilities and therefore a better basis for estimating future cash flows.

Property, plant and equipment include leased waterfall rights where power plants are owned and operated by the lessee. At the end of the lease agreement, Statkraft has mainly the right to acquire the plant facilities at a technical value.

## IMPAIRMENT OF PROPERTY, PLANT AND EQUIPMENT IN 2011

Assets in gas- and biomass power plants in Germany have been written down NOK 1087 millions due to impairment in 2011 . New access to renewable energy in the market during 2011, a drop in power prices and increased gas prices have resulted in low margins for gas power plants in Germany. This, together with the fact that the German power market is in the middle of a significant and swift change, has driven the impairment.

| NOK million | Carried value | Value in use | Impairment |
| :--- | ---: | ---: | ---: |
| Landesbergen | 447 | 370 |  |
| Knapsack | 4895 | 580 |  |
| Other | 208 | 409 | 131 |
| Total impairment |  | 77 |  |

Impairment assessment In assessing impairment, assets are grouped at the lowest levels for which there are separately identifiable cash flows (cash generating units). The recoverable amount of a cash-generating unit is calculated based on the value of the asset for the business. The recoverable amount is the higher of fair value less costs to sell and value in use. Identification of an asset's cash-generating unit involves judgment by management at Statkraft.

The Knapsack power plant has two production plants, Knapsack I and Knapsack II, of which the latter is under construction. When Knapsack II is completed, the Knapsack plants will be operated as a single unit with common controlboard and common management. Under the development of Knapsack I in 2005, a major gas deal with Wingas was signed. When development of Knapsack II was decided in 2010, no major long-term gas contract was signed, partly because in the meantime, a liquid spot market for gas had developed in Germany. Due to changes in the market outlook, gas consumption in Knapsack I will be somewhat lower than expected in 2005, and Statkraft will from 2013 be able to optimize the original contract between the two production plants in the power plant. Moving production from one plant to another is associated with low costs. During periods of low demand, production will take place in the facility that can operate most cost effectively. Production stop for maintenance will also be optimized between the two plants. Thus, it is management's assessment that the cash inflows for the two plants at Knapsack are not independent of each other and that Knapsack is considered one single cash-generating unit.

The power plant Landsbergen is a single plant and is considered to be a separate cash-generating unit.
Other write-downs are related to small biomass plants
Basis of valuation The recoverable amount is based on value in use. Value in use is estimated using discounted future cash flows. Projected revenues are based on a combination of spot- and capacity markets. In liquid periods, observable market prices are used, for subsequent periods, a combination of Statkraft's expectations for long-term spot prices and the expected market capacity are being used. Prices are linearly interpolated in the periods between 2015 and 2020, between 2020 and 2025 and between 2025 and 2035.

Costs related to gas purchases are based on market prices for liquid periods and for subsequent periods; Statkraft's long range price paths are used.

Operating costs are based on fiscal year 2011 which is considered a representative year. Assets under construction are included in the value in use with accrued expenses at year end, and the remaining investment framework approved by Statkraft's management. For the power plants in operation, the anticipated maintenance expenditures are included.

It is used a WACC before tax and which reflects specific risks relating to the relevant operating segment. Applied WACC is $10.2 \%$ before tax and $7.1 \%$ after tax.

Evaluation of the assumptions used When calculating the expected value in use, assumptions regarding future revenues and costs are included. The estimated values are particularly sensitive to changes in future power prices and gas prices (spark spread), as well as WACC. Change in the discount rate by one percentage point (before tax) will affect the value in use with approximately NOK 300 million. A change in the spark spread with 10 percentage points will affect the value in use with approximately NOK 580 million. For plants under construction, any cost overruns which are not anticipated will also affect the estimated value in use. Changes in the mentioned assumptions going forward might change the conclusions drawn at 31 December 2011.

USEFUL ECONOMIC LIFETIMES
A more detailed specification of the useful economic lifetimes of the various assets is provided below. There have been no material changes in depreciation schedules compared with previous years:

| Depreciation period (years) |  | Depreciation period (years) |  |
| :---: | :---: | :---: | :---: |
| Waterfall rights | perpetual | Distribution grid facilities |  |
| Land | perpetual | - transformer | 35 |
| Dams |  | - switchgear, high voltage | 35 |
| - riprap dams, concrete dams | 75 | Buildings (admin etc.) | 25-50 |
| - other dams | 30 | Wind mills |  |
| Tunnel systems | 75 | - land-based | 20-22 |
| Mechanical installations |  | Other fixed installations |  |
| - pipe trenches | 40 | - permanent | 20 |
| - generators (turbine, valve) | 40 | - less permanent | 10 |
| - other mechanical installations | 15 | Miscellaneous fixtures | 5 |
| Underground facilities | 75 | Office and computer equipment | 3 |
| Roads, bridges and quays | 75 | Furnishings and equipment | 5 |
| Electrotechnical installations |  | Vehicles | 8 |
| - transformer/generator | 40 | Construction equipment | 12 |
| - switchgear (high voltage) | 35 | Small watercraft | 10 |
| - control equipment | 15 | Gas and steam generators | 20-25 |
| - operating centre | 15 | Water cooling systems | 20-25 |
| - communication equipment | 10 | Gas power plant transformers | 20-25 |

Specification of significant investments in associates and joint ventures:

|  |  |  | Kraftwerk gesselschaft |  | SN Aboitiz Power Magat Inc | Hidroelectrica La Higuera S.A | Malana <br> Power Company Ltd. | Allain <br> Duhangan Hydro Power Ltd. |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| NOK million | BKK | Agder | Scira ${ }^{1)}$ | Herdecke |  |  |  |  | Other | Totals |
| Opening balance 01.01 | 5458 | 3929 | 904 | 627 | 1276 | 1183 | 581 | 994 | 2138 | 17090 |
| Share of profits | 551 | 508 | -367 | -87 | 634 | -177 | -5 | -6 | -39 | 1013 |
| Amortisation of excess values | S -14 | -66 | - | - | 2 |  | -5 | -19 | -13 | -115 |
| Capital increase | - | - | - | - |  |  | - |  | 360 | 360 |
| Investment/sales | - | - | - | - |  |  | - |  | -21 | -21 |
| Dividend | -649 | -409 | - | -5 | -587 | - | - |  | 11 | -1639 |
| Currency translation effects | - | - | 22 | -14 | 25 | -75 | -51 | -16 | 207 | 98 |
| Transactions booked against other comprehensive income | -219 | -158 | - | -48 | -13 | -39 | - |  | -196 | -673 |
| Reduction of capital | - | - | - | -4 | - | - | - |  | - | -4 |
| Closing balance 31.12 | 5127 | 3804 | 559 | 470 | 1337 | 891 | 520 | 954 | 2447 | 16109 |
| Excess value 31.12.2011 | 2254 | 2306 | - | - | 410 | 798 | 208 | 722 | 533 | 7231 |
| Of which unamortised waterfall rights | 1818 | 333 | - | - | 1013 | 798 | - | - | 404 | 4366 |

## OVERVIEW OF COMPANIES RECOGNISED IN ACCORDANCE WITH THE EQUITY METHOD

Shares in associates and joint ventures are recognised using the equity method in the consolidated financial statements. This applies to the following companies:

| Name | Registered office | Shareholding | Voting share |
| :---: | :---: | :---: | :---: |
| Joint ventures: |  |  |  |
| Barmoor Wind Power Ltd. | Berwick upon Tweed | 50.0\% | 50.0\% |
| Biomassheizkraftwerk Landesbergen GmbH | Landesbergen | 50.0\% | 50.0\% |
| Catamount Energy Ltd. | St. Albans | 50.0\% | 50.0\% |
| Devoll Hydropower SHA | Tirana | 50.0\% | 50.0\% |
| Fountain Intertrade Corp. | Panama | 50.1\% | 50.0\% |
| Greenpower Carraig Gheal Ltd. | Sterling | 50.0\% | 50.0\% |
| Greenpower Little Law Ltd. | Sterling | 50.0\% | 50.0\% |
| Hidroelectrica La Confluencia S.A | Santiago | 50.0\% | 50.0\% |
| Hidroelectrica La Higuera S.A | Santiago | 50.0\% | 50.0\% |
| HPC Ammerån AB | Stockholm | 50.0\% | 50.0\% |
| HPC Byske AB | Stockholm | 50.0\% | 50.0\% |
| HPC Edsox AB | Stockholm | 50.0\% | 50.0\% |
| HPC Röan AB | Stockholm | 50.0\% | 50.0\% |
| Kraftwerksgesellschaft Herdecke, GmbH \& Co. KG | Hagen | 50.0\% | 50.0\% |
| Luster Småkraft AS | Gaupne | 50.0\% | 50.0\% |
| Naturkraft AS | Tysvær | 50.0\% | 50.0\% |
| Scira Offshore Energy Ltd. (Scira) | London | 50.0\% | 50.0\% |
| Statkraft Agder Energi Vind DA ${ }^{1)}$ | Kristiansand | 62.0\% | 62.0\% |
| Viking Varme AS | Porsgrunn | 50.0\% | 50.0\% |
| Associates: |  |  |  |
| Agder Energi AS (Agder) | Kristiansand | 45.5\% | 45.5\% |
| Allain Duhangan Hydro Power Ltd. | New Dehli | 43.1\% | 43.1\% |
| Bergenshalvøens Kommunale Kraftselskap AS (BKK) | Bergen | 49.9\% | 49.9\% |
| Biomassheizkraftwerk Emden GmbH | Emden | 30.0\% | 30.0\% |
| Eco-pro AS | Steinkjer | 25.0\% | 25.0\% |
| Energi og Miljøkapital AS | Skien | 35.0\% | 35.0\% |
| Forewind Ltd. | London | 25.0\% | 25.0\% |
| Istad AS | Molde | 49.0\% | 49.0\% |
| Kokemäenjoen Säännöstely-yhtiö | Finland | 15.2\% | 15.2\% |
| Länsi-Suomen Voima Oy | Finland | 13.2\% | 13.2\% |
| Malana Power Company Ltd. | New Dehli | 49.0\% | 49.0\% |
| Manila-Oslo Renewable Enterprise Inc | Manilla | 16.7\% | 16.7\% |
| Midtnorge Kraft AS | Rissa | 40.0\% | 40.0\% |
| Nividhu (Pvt) Ltd. | Colombo | 30.0\% | 30.0\% |
| Rullestad og Skromme Energi AS | Etne | 35.0\% | 35.0\% |
| SN Aboitiz Power - Magat Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power Benguet Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power Cordillera Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power Hydro Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power Nueva Ecjia Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power Pangasnan Inc | Manila | 40.0\% | 40.0\% |
| SN Aboitiz Power RES Inc | Manila | 40.0\% | 40.0\% |
| Stiftelsen Norwegian Electricity Cooporation | Oslo | 29.0\% | 29.0\% |
| Vestfold Trafo Energi AS | Stokke | 34.0\% | 34.0\% |

${ }^{1)}$ A shareholder's agreement indicates joint control in Statkraft Agder Energi Vind DA.

## JOINT ARRANGEMENTS

Statkraft has shareholdings in jointly owned power plants. These power plants are treated as joint arrangements and are recognised with Statkraft's share of income, expenses, assets and liabilities.

| Name | Shareholding |
| :---: | :---: |
| Aurlandsverkene | 7.00\% |
| Björna | 90.10\% |
| Båtfors | 6.64\% |
| Folgefonn | 85.06\% |
| Forsmo | 2.20\% |
| Gammelby | 90.10\% |
| Gidböle | 90.10\% |
| Gideå | 90.10\% |
| Gideåbacka | 90.10\% |
| Grytten | 88.00\% |
| Gäddede | 70.00\% |
| Harjavalta | 13.20\% |
| Harrsele | 50.57\% |
| Järnvägsforsen | 94.85\% |
| Kobbelv | 82.50\% |
| Kraftverkene i Orkla | 48.60\% |
| Leirdøla | 65.00\% |
| Nordsvorka | 50.00\% |
| Rana ${ }^{5}$ | 35.00\% |
| Røldal-Suldal Kraft AS ${ }^{\text {2) }}$ | 8.74\% |
| Selfors | 10.60\% |
| Sima | 65.00\% |
| Sira-Kvina Kraftselskap DA ${ }^{1)}$ | 46.70\% |
| Solbergfoss ${ }^{3)}$ | 33.33\% |
| Stennäs | 90.10\% |
| Svartisen | 70.00\% |
| Svorka | 50.00\% |
| Tyssefaldene ${ }^{4)}$ | 60.17\% |
| Ulla-Førre | 72.00\% |
| Vikfalli | 88.00\% |
| Volgsjöfors | 73.10\% |

${ }^{1)}$ Statkraft's total shareholding is 46.7\%, of which Skagerak Energi AS' shareholding is $14.6 \%$.
2) Statkraft owns $8.74 \%$ of the shares in Røldal-Suldal Kraft AS, which in turn owns $54.79 \%$ of the Røldal-Suldal plants. Statkraft's indirect shareholding in the power plant is thus 4.79\%.
3) Statkraft owns $33.3 \%$ of Solbergfoss, but controls $35.6 \%$ of the production.
4) Statkraft owns $60.17 \%$ of the shares in AS Tyssefaldene, which wholly owns Håvardsvatn power station. Furthermore, Statkraft controls $71.4 \%$ of the production from the Tysso II power plant.
5) $65 \%$ of the production in Rana is leased out for 15 years from 1 January 2005

## $20 \rightarrow$ OTHER NON-CURRENT FINANCIAL ASSETS

| NOK million | 2011 |
| :--- | :--- |
| Valued at amortised cost: |  |
| Loans to associates | 497 |
| Bonds and other long-term receivables | 620 |
| Total valued at amortised cost | 111 |
| Available for sale: |  |
| Other shares and securities | 11089 |
| Total | 12163 |

Other shares and shareholdings in the balance sheet includes the E.ON AG shareholding with NOK 10782 million. The original cost price of the shares amounts to NOK 23125 million. The shares are classified as assets available for sale and recognised in the accounts at fair value with changes in value recorded in other comprehensive income. The change in value in 2011 was NOK - 4085 million, of which NOK -4103 million is recognised as Unrealised changes in value financial items, and of which NOK 18 million is recognised in other comprehensive income.

The share was recognised in the balance sheet with a carrying value of NOK 14687 million at year-end 2010. The part of the change in value which can be attributed to currency changes and which is within corresponding currency change for loans in EUR is presented in the income statement under Unrealised changes in value financial items. The change in value in 2010 was NOK - 5282 million, of which NOK -1193 million is due to lower exchange rate for EUR. In 2010, the E.ON AG shareholding has shown a lasting reduction in market value compared with the original cost price. This entailed a need for write-down of the shares by an amount that includes earlier changes in value recognised in comprehensive income. The change in share value in 2010 amounted to NOK -4088 million. Previous changes in value recognised in comprehensive income amounted to NOK 463 million as of 2009. As a result of a lasting reduction in value, the income statement has been charged with NOK - 3625 million under unrealised changes in value financial items.

| NOK million | 2011 |  | 2010 |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Recognised value | Cost price | Recognised value | Cost price |
| Value at net realisable value: |  |  |  |  |
| Green certificates | 390 | 447 | 435 | 446 |
| $\mathrm{CO}_{2}$ quotas | 285 | 485 | 349 | 382 |
| Total | 675 | 932 | 784 | 828 |

Valued at the lower of cost and net realisable value:

| Spare parts | 98 | 82 |
| :--- | ---: | ---: |
| Other | 200 | 147 |
| Total inventories are values at the lower of cost and net realisable value | 298 | 229 |

Total

22 RECEIVABLES

| NOK million | 2011 |  |
| :--- | ---: | ---: |
| Accounts receivable | 4823 | 5739 |
| Accrued revenues etc. | 1937 | 1190 |
| Short-term loans to associates and JVs | 3069 | 1527 |
| Debt connected to cash collateral | 396 | 171 |
| Other receivables | 1785 | 2121 |
| Total | 12010 | 10748 |
| Of which interest-bearing | 3465 | 1698 |


| Maturity analysis of receivables |  | Non-impaired receivables, overdue by |  | Total |
| :---: | :---: | :---: | :---: | :---: |
| 2011 |  | Less than | More than |  |
| NOK million | Not yet due | 90 days | 90 days |  |
| Account receivable | 4516 | 232 | 74 | 4823 |
| Other receivables | 7187 | - | - | 7187 |
| Total | 11704 | 232 | 74 | 12010 |

Recognised as loss for the year

| 2010 | Not yet due | Non-impaired receivables, overdue by |  | Total |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Less than | More than |  |
| NOK million |  | 90 days | 90 days |  |
| Account receivable | 5280 | 269 | 190 | 5739 |
| Other receivables | 5007 | 1 | 1 | 5009 |
| Total | 10287 | 270 | 191 | 10748 |

$\underline{\text { Recognised as loss for the year }}$

## $23 \Rightarrow$ SHORT-TERM FINANCIAL INVESTMENTS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Bonds | 214 |  |
| Money market fund | 115 |  |
| Shares and other investments | 115 | 116 |
| Total | 455 |  |

## $24-$ DERIVATIVES

The table below shows derivatives with respective positive and negative market values allocated by portfolio. The portfolios are described in Note 32. The figures for energy derivatives included in the table below are the recognised values of contracts which in accordance with IAS 39 fall under the definition of financial instruments. There can be significant deviations between the accounting values and the underlying real economic values due to the fact that the portfolios contain contracts that are both covered and not covered by IAS 39.

| Derivatives - current assets |  |  |
| :---: | :---: | :---: |
| NOK million | 2011 | 2010 |
| Energy derivatives |  |  |
| Nordic hydropower portfolio excluding industrial power ${ }^{1)}$ | 4 | -589 |
| Industrial power contracts in Nordic hydropower portfolio | 120 | 114 |
| Other industrial contracts | 45 |  |
| Trading and Origination | 4455 | 5109 |
| Continental assets | 357 | 265 |
| End-user portfolio | 195 |  |
| Eliminations | -209 |  |
| Total | 4967 | 4899 |
| ${ }^{1)}$ The Nordic hydropower portfolio contains Nord Pool contracts with negative value that are settled against Nord Pool contracts included in Trading and Origination. These contract types are included in a common evaluation unit. |  |  |
| Currency and interest rate derivatives |  |  |
| Interest rate swaps | 2 | 34 |
| Forward exchange rate contracts | 250 | 712 |
| Combined interest rate and currency swaps | 4 |  |
| Total | 256 | 746 |
| Total derivatives current assets | 5223 | 5645 |
| Derivatives - non-current assets |  |  |
| NOK million | 2011 | 2010 |
| Energy derivatives |  |  |
| Nordic hydropower portfolio excluding industrial power | 4 | 17 |
| Industrial power contracts in Nordic hydropower portfolio | 1019 | 1479 |
| Other industrial contracts | 623 |  |
| Continental assets | 1258 | 1407 |
| Total | 2904 | 2903 |
| Currency and interest rate derivatives |  |  |
| Interest rate swaps | 956 | 643 |
| Forward exchange rate contracts | 455 | 286 |
| Combined interest rate and currency swaps | - | 10 |
| Total | 1411 | 939 |
| Total derivatives - non-current assets | 4315 | 3842 |
| Derivatives - current liabilities |  |  |
| NOK million | 2011 | 2010 |
| Energy derivatives |  |  |
| Nordic hydropower portfolio excluding industrial power | 18 | 258 |
| Industrial power contracts in Nordic hydropower portfolio | 104 | 437 |
| Other industrial contracts | 37 |  |
| Trading and Origination | 4201 | 5179 |
| Continental assets | 824 | 218 |
| End-user portfolio | 193 | 365 |
| Eliminations | -199 |  |
| Total | 5178 | 6457 |
| Currency and interest rate derivatives |  |  |
| Interest rate swaps | 22 | 20 |
| Forward exchange rate contracts | 304 | 314 |
| Combined interest rate and currency swaps | 5 | 70 |
| Total | 331 | 404 |
| Total derivatives - current liabilities | 5509 | 6861 |
| Derivatives - Long-term liabilities |  |  |
| NOK million | 2011 | 2010 |
| Nordic hydropower portfolio excluding industrial power | 575 | 992 |
| Industrial power contracts in Nordic hydropower portfolio | 982 |  |
| Other industrial contracts | 73 |  |
| Continental assets | 1733 | 810 |
| Total | 3363 | 1802 |
| Currency and interest rate derivatives |  |  |
| Interest rate swaps | 890 | 526 |
| Forward exchange rate contracts | 254 | 166 |
| Total | 1144 | 692 |
| Total derivatives - long-term liabilities | 4507 | 2494 |

## 25 CASH AND CASH EQUIVALENTS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Cash and bank deposits | 6083 | 18420 |
| Money market funds, certificates, promissory notes, bonds | 2199 | 1632 |
| Total | 8282 | 20052 |

BOOK VALUE OF CASH AND CASH EQUIVALENTS PLEDGED AS SECURITY TO/FROM COUNTERPARTIES
The following amounts in cash and cash equivalents are pledged as security to/from counterparties:

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Deposit account in connection with power sales on energy exchanges | 49 | 774 |
| Other restricted bank deposits 1) | 786 | 825 |
| Total | 819 |  |
| 1) Other restricted bank deposits is related to a back to back loan in subsidiaries, where bank deposits is given as collateral, see note 39. |  |  |

## CASH COLLATERAL

Cash collateral comprises payments made to/received from counterparties as security for net unrealised gains and losses that
Statkraft has on interest rate swaps and combined interest rate and currency swaps, as well as forward exchange contracts. The table below shows net funds received from counterparties regarding cash collateral. These funds will be reversed in line with the unrealised effects. See notes 22 and 27 .

| NOK million | 2011 |  |
| :--- | :---: | :---: |
| Cash collateral for financial derivatives | 934 | 2010 |

$26 \Rightarrow$ PROVISIONS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Deferred tax | 8993 | 10066 |
| Pension liabilities | 3453 | 2106 |
| Other provisions | 8957 | 3586 |
| Total provisions | 21403 | 15758 |

Pension liabilities are discussed in more detail in Note 12, while deferred tax is covered in Note 16.
In other provisions an equity instrument liability is included. This was in 2010 reported as other short-term interest-free liabilities, but is now classified as long-term, as the execution lies more than 12 months into the future. See note 28.

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Current interest-bearing liabilities |  |  |
| Certificate loans | - | 770 |
| First year's instalment on long-term liabilities | 3268 | 2911 |
| First year's instalment on long-term liabilities from Statkraft SF | - | 653 |
| Debt connected to cash collateral | 1330 | 1080 |
| Overdraft facilities | - | 526 |
| Other short-term loans | 846 | 295 |
| Total current interest-bearing liabilities | 5444 | 6235 |
| Interest-bearing long-term liabilities |  |  |
| Loans from Statkraft SF | 400 | 400 |
| Bond loans in the Norwegian market | 12907 | 13596 |
| Other loans raised in non-Norwegian markets | 15123 | 17390 |
| External loans in subsidiaries and other loans | 3013 | 2865 |
| Total long-term interest-bearing liabilities | 31443 | 34251 |
| Total interest-bearing liabilities | 36887 | 40486 |

The Group's net repayment of debt in 2011 amounted to NOK 4793 million. Other changes are mainly explained by acquisition of power plant of NOK 424 million, changes in cash collateral of NOK 250 million and otherwise changes in currency exchange rates for loans denominated in foreign currency.

See Notes 29-34 for more details.

## 28 OTHER INTEREST-FREE CURRENT LIABILITIES

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Accounts payable | 923 | 2875 |
| Indirect taxes payable | 2009 | 1574 |
| Other interest-free liabilities | 3593 | 7160 |
| Total | 6525 | 11609 |

Other interest-free liabilities included in 2010 an equity instrument liability. This is in 2011 reported as other long-term provisions, as the execution lies more than 12 months into the future. See note 26.

## USE OF FINANCIAL INSTRUMENTS

Financial instruments account for a significant part of Statkraft's total balance sheet and are of material importance for the Group's financial position and results. Most of the financial instruments can be categorised into the two main categories of financial activities and energy trading. In addition to the above, other financial instruments exist in the form of accounts receivable, accounts payable, cash, short-term financial investments and equity investments.

Financial instruments in energy trading Within energy trading, financial instruments are used in the trading and origination activity The trading and origination activity is managed independent from the Group's energy production. It's main objective is to achieve profit from changes in the market value of energy- and energy related financial products, as well as profit from unstandardized contracts. Financial instruments are also used as part of the Group's financial hedging strategy for continuous optimisation of future revenues from the expected production volume. Financial instruments in energy trading mainly consist of financial and physical agreements relating to purchase and sale of power, gas, oil, coal and $\mathrm{CO}_{2}$ quotas. Derivatives recognised in the balance sheet are shown as separate items in the balance sheet and are evaluated at fair value with changes in value recognised in the income statement. As the Group's future own production of power does not qualify for recognition in the balance sheet under IAS 39, the effect of changes in value of financial energy derivatives may have major effects on the income statement without necessarily reflecting the underlying activities.

Financial instruments in financial activities Financial instruments used in financial activities primarily consist of loans, interest rate swaps, combined interest rate and currency swaps and forward exchange contracts. Financial derivatives are used as hedging instruments in accordance with the Group's financial hedging strategy. The hedging objects will be assets in foreign currency, future cash flows or loan arrangements valued at amortised cost. For selected loan arrangements where the interest rate has been changed from fixed to floating (fair value hedging), some net investments in foreign units and cash flows, hedging is reflected in the accounts in accordance with IAS 39. Because not all financial hedging relationships are being reflected in the accounts, changes in value for financial instruments may result in volatility in the income statement without fully reflecting the financial reality.

Fair-value hedging Three loan arrangements are treated as fair value hedges. Issued bond loans have been designated as hedging objects in the hedging relationships, and the associated interest rate swaps have been designated as hedging instruments

The hedging objects are issued fixed-interest bonds with a total nominal value of EUR 1200 million. The hedging instruments are interest rate swaps with a nominal value of EUR 1200 million, entered into with major banks as the counterparties. The agreements swap interest rate from fixed to floating 3 -month and 6 -month EURIBOR. The critical terms of the hedging object and hedging instrument are deemed to be approximately the same, and $90-110 \%$ hedging efficiency is assumed. The inefficiency is recognised in the income statement.

Hedging of net investments in foreign operation EUR 1396 million of Statkraft AS' debt is designated as hedging of the net investment in Statkraft Treasury Centre. The currency effects on this debt are recognised in other comprehensive income. The effect recognised in 2011 was NOK -57 million.

Cash flow hedging As a general rule, the Group does not hedge cash flows. However, cash flow hedges have been established in SN Power and its subsidiaries. This is related to cash flows in various currencies which have been hedged to SN Power's functional currency in USD. The hedge strategy relates to large investments, in total hedges for USD 402 million. Further, hedge accounting is practised for hedges of floating interest rates into fixed interest rates using interest rate swaps, for a total of USD 235 million.

Fair value of hedging instruments

| NOK million | 2011 |
| :--- | ---: | ---: |
| Hedging instruments used in fair value hedging | 1426 |
| Hedging instruments in cash flow hedging 1) | -223 |
| Total fair value of hedging instruments | 1220 |
| 1 1) The value represents the fair value of financial instruments. The changes in fair value is recognised in other comprehensive income. |  |

${ }^{1)}$ The value represents the fair value of financial instruments. The changes in fair value is recognised in other comprehensive income.
Other information on fair value hedging

| 2010 |  |  |
| :--- | ---: | ---: |
| NOK million | 2011 |  |
| Accumulated profit (+)/loss (-) on hedging instruments | 1426 | 1220 |

## FAIR VALUE OF FINANCIAL INSTRUMENTS

## FAIR VALUE OF ENERGY DERIVATIVES

The fair value of energy derivatives is set at quoted prices when market prices are available. The fair value of other energy derivatives has been calculated by discounting expected future cash flows. Below is a description of assumptions and parameters that have been applied in the determination of fair value.

Electricity price Energy exchange contracts are valued at official closing rates on the balance sheet date. The closing rates are discounted.

For other bilateral electricity contracts, the expected cash flow is stipulated on the basis of a market price curve on the balance sheet date. The market price curve for the next five years is stipulated on the basis of official closing rates on energy exchanges. For time horizons beyond five years, the price curve is adjusted for expected inflation.

Prices in some contracts refer to area prices. These contracts are valued using the official closing rates on energy exchanges, where such exist. Separate models are used for regional prices without official closing prices. If the contracts extend beyond the horizon quoted on energy exchanges, the price is adjusted for the expected rate of inflation.

Raw materials Statkraft has power and gas contracts where the references for the contract price include the price development of gas, coal and oil products. These are valued using forward prices from relevant commodity exchanges and major financial institutions. If quotes are not available for the entire time period, the commodity prices are adjusted for inflation based on the most recent quoted price in the market.
$\mathrm{CO}_{2} \mathrm{CO}_{2}$ contracts are priced based on the forward price of EUA quotas and CER quotas. For time horizons above 9 years, the prices are adjusted for expected inflation.

Foreign currency Several energy contracts have prices in different currencies. Quoted foreign exchange rates from European Central Bank (ECB) are used in the valuation of contracts denominated in foreign currency. If there are no quotes for the entire time period in question, the interest parity is used to calculate exchange rates.

Interest rates The market interest rate curve (swap interest rate) is used as a basis for discounting derivatives. The market interest rates are stipulated on the basis of the publicised swap interest rate from major financial institutions. Credit surcharge is added to the market interest rate curve in cases where the credit risk is relevant. This applies to all external bilateral contracts classified as assets and liabilities.

## FAIR VALUE OF CURRENCY AND INTEREST RATE DERIVATIVES

The fair value of interest rate swaps and combined interest- and currency swaps is determined by discounting expected future cash flows to current value through use of observed market interest rates and quoted exchange rates from ECB. The valuation of forward currency exchange contracts is based on quoted exchange rates, from which the forward exchange rate is extrapolated. Estimated present value is subjected to a test of reasonableness against calculations made by the counterparties to the contracts.

## FAIR VALUE OF FINANCIAL INVESTMENTS

Certificates and bonds Certificates and bonds are valued at quoted prices.
Shares and shareholdings Shares and shareholdings are valued at quoted prices where such are available and the securities are liquid. Other securities are valued by discounting expected future cash flows.

FAIR VALUE OF EQUITY INVESTMENTS IN THE CO2 FUND
Equity investments in $\mathrm{CO}_{2}$ funds are valued by discounting expected future cash flows. Assumptions concerning the number of quotas that will be distributed by the fund are a discretionary estimate. The price assumption is described under $\mathrm{CO}_{2}$ above .

FAIR VALUE OF LONG-TERM LIABILITIES, FIRST YEAR'S INSTALMENT ON LONG-TERM LIABILITIES AND CERTIFICATE LOANS
The fair value is calculated on the basis of valuation techniques where expected future cash flows are discounted to present value. Expected cash flows are calculated and discounted using observed market interest rates and exchange rates for the various currencies (swap interest rate curve) adjusted upwards for credit risk.

| Assets and liabilities recognised at amortised cost |  | 2011 <br> Recognised <br> value | 2010 <br> Fair <br> value | 2010 <br> Recognised <br> value |
| :--- | :--- | ---: | ---: | ---: | ---: |
| Nok million |  |  |  |  |
| value |  |  |  |  |

ASSETS AND LIABILITIES RECOGNISED AT FAIR VALUE, DIVIDED AMONG LEVEL FOR FAIR-VALUE MEASUREMENT
The company classifies fair-value measurements by using a fair-value hierarchy which reflects the importance of the input used in the preparation of the measurements. The fair-value hierarchy has the following levels:

Level 1: Non-adjusted quoted prices in active markets for identical assets or liabilities.
Level 2: Other data than the quoted prices included in Level 1, which are observable for assets or liabilities either directly, i.e. as prices, or indirectly, i.e. derived from prices.
Level 3: Data for the asset or liability which is not based on observable market data.

| 2011 | Note | Fair-value measurement at period-end using: |  |  | Fair value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NOK million |  | Level 1 | Level 2 | Level 3 |  |
| Financial assets at fair value |  |  |  |  |  |
| Energy derivatives | 24 | 20 | 4137 | 3714 | 7871 |
| Currency and interest rate derivatives | 24 | - | 1667 | - | 1667 |
| Bonds | 23 | 224 | - | - | 224 |
| Shares and other investments | 23 | 116 | - | - | 116 |
| Money market fund | 23 | 115 | - | - | 115 |
| Money market funds, certificates, promissory notes, bonds | 25 | 2199 | - | - | 2199 |
| Total |  | 2674 | 5804 | 3714 | 12192 |
| Available-for-sale financial assets |  |  |  |  |  |
| Other shares and securities | 20 | 11053 | - | - | 11053 |
| Total |  | 11053 | - | - | 11053 |
| Financial liabilities at fair value |  |  |  |  |  |
| Energy derivatives | 24 | -205 | -2 979 | -5 357 | -8 541 |
| Currency and interest rate derivatives | 24 | - | -1475 | - | -1475 |
| Equity investment $\mathrm{CO}_{2}$ fund | 20 | - | - | -7 | -7 |
| Total |  | -205 | -4 454 | -5 364 | $-10023$ |


| 2010 | Note | Fair-value measurement at period-end using: |  |  | Fair value |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NOK million |  | Level 1 | Level 2 | Level 3 |  |
| Financial assets at fair value |  |  |  |  |  |
| Energy derivatives | 24 | 1060 | 4224 | 2519 | 7803 |
| Currency and interest rate derivatives | 24 |  | 1684 |  | 1684 |
| Equity investment $\mathrm{CO}_{2}$ fund | 20 |  |  | 65 | 65 |
| Bonds | 23 | 214 |  |  | 214 |
| Shares and other investments | 23 | 95 |  |  | 95 |
| Money market fund | 23 | 115 |  | - | 115 |
| Money market funds, certificates, promissory notes, bonds | 25 | 1632 |  |  | 1632 |
| Total |  | 3116 | 5908 | 2584 | 11608 |
| Available-for-sale financial assets |  |  |  |  |  |
| Other shares and securities | 20 | 15182 |  | - | 15182 |
| Total |  | 15182 | - |  | 15182 |
| Financial liabilities at compulsory fair value |  |  |  |  |  |
| Energy derivatives | 24 | -385 | -3 724 | -4 150 | -8 259 |
| Currency and interest rate derivatives | 24 |  | -1 096 | - | -1 096 |
| Total |  | -385 | -4 820 | -4 150 | -9 355 |

Total unrealised changes in value

| NOK million | Note | 2010 |  |
| :--- | ---: | ---: | ---: |
| Energy contracts | 10 | 2011 | 193 |
| Currency and interest contracts | 15 | -1098 | -4025 |
| Total |  | -5123 | -1176 |


| Assets and liabilities measured at fair value based on Level 3 NOK million | Financial assets at fair value | Financial liabilities at fair value | Total |
| :---: | :---: | :---: | :---: |
| Opening balance 01.01.2011 | 2584 | -4 150 | -1566 |
| Unrealised changes in value | 348 | -839 | -491 |
| Purchase | 824 | -179 | 645 |
| Moved from Level 3 | -42 | -196 | -238 |
| Closing balance 31.12.2011 | 3714 | -5 364 | -1650 |
| Net realised gain (+)/loss (-) for 2011 |  |  | -222 |
| Opening balance 01.01.10 | 1885 | -4 753 | -2 868 |
| Unrealised changes in value | 900 | -31 | 869 |
| Purchase | 3 |  | 3 |
| Moved from Level 3 | -204 | 634 | 430 |
| Closing balance 31.12.10 | 2584 | -4 150 | -1566 |
| Net realised gain (+)/loss (-) for 2010 |  |  | 182 |
| Sensitivity analysis of factors classified to Level 3 |  |  |  |
| NOK million |  | 10\% reduction | 10\% increase |
| Net effect on energy prices |  | -449 | 533 |
| Net effect on gas prices |  |  | 44 |

The reason why the effects are not $100 \%$ symmetrical is due to optionality in the contracts.

## RISK AND RISK MANAGEMENT OF FINANCIAL INSTRUMENTS GENERALLY

Statkraft has a unified approach to the Group's market risks. Statkraft is engaged in activities that entail risk in many areas. Risk management is not about removing risk, but assuming the right risk based on the Group's ability and willingness to take risks, expertise, solidity and development plans. The purpose of the risk management is to identify threats and opportunities for the Group, and to manage the risk towards an acceptable level to provide reasonable surety for achieving the Group's objectives.

Market risk is the risk that a financial instrument's fair value or future cash flows will fluctuate as a result of changes in market prices. In Statkraft, market risk will primarily relate to electricity price risk, $\mathrm{CO}_{2}$ prices, gas price risk, interest rate risk and foreign currency risk. The following section contains a more detailed account of the various types of market risk, and how these are managed.

## DESCRIPTION OF RISK MANAGEMENT IN ENERGY TRADING

Risk management in energy trading in Statkraft focuses on whole contract portfolios rather than specific contracts in accordance with IAS 39. Internal guidelines for market exposure have been established for all portfolios. Responsibility for continual monitoring of granted mandates and frameworks lies with independent organisational units. The frameworks for trading in both financial and physical contracts are continually monitored and regularly reported.

A description of the energy portfolios in Statkraft can be found below:
Nordic hydropower The Nordic hydropower portfolio is intended to cover hydropower production in the Nordic region and its associated risk.

Nordic hydropower is exposed to both price and volume risk, as both future prices and water inflow are unknown. Mandates are based on annual volume thresholds and available production. The objective of the portfolio management is to optimise portfolio revenues and in addition reduce the portfolio risk. The risk is quantified using simulations of various scenarios for relevant risk factors.

Net exposure in this portfolio is derived from continually updated production forecasts, physical purchase and sale contracts, as well as contracts traded via energy exchanges and bilateral financial contracts.

The financial contracts are both contracts traded via energy exchanges and bilateral contracts. These generally have terms of less than five years, though some financial contracts run until 2020. Some of the perpetual concessionary power agreements have been renegotiated to financial settlement for shorter terms.

The physical sales commitments include statutory-priced industrial contracts, long-term sales contracts, concessionary power obligations, as well as miscellaneous free power and compensation power contracts. The majority of the statutory-priced industrial contracts expired in July 2011. The long-term contracts have varying terms, but the longest runs until 2030. The concessionary power contacts are perpetual. For certain of these sales obligations, the price is indexed to other market risks such as metals and foreign currency (embedded derivatives).

Financial contracts and embedded derivatives in physical contracts are recognised at fair value, other contracts do not qualify for recognition in the balance sheet and are recognised in the income statement as part of normal purchase and sale.

Continental assets The purpose of the portfolio is to manage energy production in continental Europe, including the gas-fired power plant at Kårstø, as well as associated risks.

The market risk in the portfolio is derived from the future market prices for electricity, $\mathrm{CO}_{2}$, gas, coal and oil products. Mandates are based on annual volume thresholds and available production. The objective of the portfolio management is to optimise portfolio revenues and in addition reduce the portfolio risk. The risk is quantified using simulations of various scenarios for relevant risk factors.

The assets in this portfolio are Baltic Cable $A B$, the gas power plants, financial and physical energy contracts and other continental assets. Statkraft engages in trading in accordance with the applicable mandates by locking in earnings when electricity prices are attractive relative to gas prices plus $\mathrm{CO}_{2}$ costs. In addition, Statkraft also engages in financial trading to maximise the revenues from Baltic Cable.

The contract portfolio consists of financial and physical contracts relating to these assets. All financial contracts as well as several physical contracts are recognised at fair value.

The Group has shareholdings in five gas-fired power plants, four in Germany and one in Norway, and has in this connection entered into long-term supply contracts for natural gas. The purchase price for these contracts is indexed to coal and oil. The duration of the agreements differ. The gas agreements are recognised at fair value in accordance with IAS 39.

The financial contracts in the portfolio are forward contracts for electricity, $\mathrm{CO}_{2}$, oil products, gas and coal. The price development in the spot market for electricity, gas, the underlying commodities that are included in the indexing of the gas contracts and $\mathrm{CO}_{2}$ therefore affect the earnings of the gas-fired power plants.

Trading and Origination Statkraft has various portfolios for trading and origination that are managed independently of the Group's expected electricity production. Trading teams have been established in Oslo, Trondheim, Stockholm, Amsterdam and Düsseldorf. The portfolios act in the market with the aim to realize gains on changes in the market value of energy and energy-related products, as well as gains on non-standardised contracts.

Statkraft has allocated risk capital for the trading and origination business. Clear guidelines have been established for the types of products that are allowed to be traded. The mandates for trading and origination activities are adhered to through specified limits for Value-at-Risk and Profit-at-Risk. Both methods calculate the maximum potential loss a portfolio can incur, with a given probability factor over a given period of time. Credit risk and operational risk are also quantified in connection with the allocated risk capital. All trading and origination contracts are recognised at fair value in accordance with IAS 39.5 and 39.6.

The trading activities The trading activities involve buying and selling standardised and traded products. Electricity and $\mathrm{CO}_{2}$ products, as well as green certificates, gas and oil products are traded. The contracts in the trading portfolio have durations ranging from 0 to 5 years.

Origination activities Origination activities include buying and selling both standardised products and structured contracts. Structured products may be energy contracts with a special duration, long-term contracts or energy contracts in different currencies. The trading with transport capacity over borders and virtual power plant contracts are also included in the activities. Quoted, traded contracts such as system price, regional prices and foreign currency are generally used to reduce the risk involved in trading in structured products and contracts. The majority of the contracts in the portfolio have duration of up to five years, though some contracts run until 2028.

Other industrial power contracts All of SN Power's power contracts are part of Other industrial power contracts. The exposure within these power contracts is mostly related to future price changes in the Brazilian market. Development of price paths are performed in cooperation between Statkraft's market department, local analysts and consultants, and the calculations are updated quarterly.

## FOREIGN EXCHANGE AND INTEREST RATE RISK

Statkraft is exposed to two main types of risk as regards the financial activities in the Group; foreign exchange risk and interest rate risk. Statkraft uses interest rate and foreign currency instruments in its management of the company's interest rate and foreign exchange exposure.

Interest rate and currency swaps and forward exchange rate contracts are used to achieve the desired currency and interest rate structure for the company's loan portfolio. Forward exchange rate contracts are also used to hedge cash flows denominated in foreign currency.

Statkraft's methods for managing these risks are described below.

Foreign exchange risk Statkraft incurs currency risk in the form of transaction risk mainly in connection with energy sales revenues, investments and dividend from subsidiaries and associates in foreign currency. Balance sheet risk is related to shareholdings in foreign subsidiaries in Belgium, the UK, Sweden, Turkey and Germany as well as in SN Power which uses USD as its functional currency. There is also balance sheet risk in connection with investment in some associates.

The operational currency for Statkraft's trading on energy exchanges is EUR, which means that all contracts that are entered into via energy exchanges are denoted in EUR and are thus exposed to EUR. A corresponding currency exposure is incurred in connection with energy trading on other exchanges in other currencies than EUR. Statkraft hedges its currency exposure related to cash flows from energy sales of physical contracts and financial trading on energy exchanges, investments, dividends and other currency exposures in accordance with the company's financial strategy. Exposure hedging is achieved by using financial derivatives and loans in foreign currencies as hedging instruments. Few of the hedging relationships fulfil the requirements of hedge accounting in accordance with IAS 39.

Compliance with the limit for currency risk is followed up continuously by the independent middle-office function. Responsibility for entering into and following up positions is subject to divisions of responsibility and is allocated to separate organisational units. The currency exposure in relation to established frameworks in the finance strategy is regularly reported to corporate management via the CFO.

Interest rate risk Most of Statkraft's interest rate risk exposure relates to the loan portfolio. An interest rate management framework has been established based on a mix between fixed and floating interest rates. The objective is to ensure that most of the loan portfolio is exposed to floating interest rates, but that up to $50 \%$ of the loan portfolio can be exposed to fixed interest rates. As a rule fixed interest rates shall apply for a period of more than five years. The strategy for managing interest rate risk has been established based on an objective of achieving the most cost-efficient financing, coupled with the aim of a certain stability and predictability in finance costs. A management framework has also been established to limit the interest rate exposure in currencies other than NOK. The currency positions that are to be entered into are assessed on an ongoing basis, given the market conditions observed for the currency and the overall exposure that exists for that currency.

Compliance with the limit for currency risk is followed up continuously by the independent middle-office function. Responsibility for entering into and following up positions has been separated and is allocated to separate organisational units. The interest rate exposure per currency in relation to established frameworks in the finance strategy is regularly reported to corporate management via the CFO.

Statkraft's main activities are the generation and trading of electrical power. In a market in which hydropower plays an important role, and where the supply of water varies a great deal from year to year, price and generating capacity will also vary considerably. Statkraft makes considerable use of forward contracts and other financial instruments to optimise its revenues. Market risk connected with energy optimisation thus covers volume risk, electricity price risk in the spot market and risk connected with positions in financial instruments. Market positions are also taken in connection with the Trading and Origination portfolios. Statkraft is also exposed to market risk relating to interest rate and currency positions, district heating and end-user activities, as well as risk related to grid operations through the revenues being related to the interest market.

The Group quantifies risk as deviations from expected post-tax results with a given confidence level. Market risk is included in these calculations, which are used both in the follow-up of the business areas/portfolios and at Group level as part of reporting to corporate management and the Board. Statkraft's targets for market risk shall have a $95 \%$ probability of covering all potential losses (deviations from expected results) connected with the market risk of positions at the balance sheet date during the course of a year. Uncertainty in the underlying instruments/prices and their interrelatedness are calculated using statistical methods

The time period for the calculations is one year. For contracts with exposure of more than one year, only the uncertainty relating to the current year is reflected in the calculations. The exposure can take the form of actual exposure or an expected maximum utilisation of frameworks. The model also takes into account correlation, both within the individual areas and between the areas.

Total market risk as of 31 December 2011 was calculated at NOK 1210 million. Total market risk before diversification effects is close to unchanged from 2010. The reason for this is primarily that the increase in Trading and Origination is offset by a similar decrease in the risk in energy optimisation, interest rates, currency and distribution grid revenues. The diversification effect emerges as the difference between total market risk in the specified areas and total market risk, where the correlation between e.g. energy prices, interest rates and currency exchange rates is taken into account. There is a minor increase in diversification effects measured both in NOK and as a percentage.


| Specification of loan interest by currency ${ }^{1)}$ | $\mathbf{2 0 1 1}$ | 2010 |
| :--- | :--- | :--- |
| Nominal average interest, NOK | $4.60 \%$ | $4.20 \%$ |
| Nominal average interest, SEK | $2.90 \%$ | $1.30 \%$ |
| Nominal average interest, EUR | $3.90 \%$ | $3.50 \%$ |
| Nominal average interest, USD | $3.60 \%$ | $4.10 \%$ |
| 1 Includes long-term interest-bearing liabilities, first year's instalments on long-term interest-bearing liabilities, certificates, interest rate swaps and |  |  |


| Fixed interest rate loan portfolio ${ }^{1)}$ | Future interest rate adjustments |  |  |  | Total |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | 5 years |  |
| NOK million | 2012 | 1-3 years | 3-5 years | and more |  |
| Loans in NOK | 8788 | -1 114 | 2720 | 4810 | 15204 |
| Loans in SEK | 2610 | - | 14 | - | 2624 |
| Loans in EUR | 9303 | 42 | 19 | 5392 | 14756 |
| Loans in USD | 1571 | - | - | 547 | 2118 |
| Loans in other currencies | - | - | - | 9 | 9 |
| Total | 22272 | -1 072 | 2753 | 10758 | 34711 |

${ }^{1)}$ Includes long-term interest-bearing liabilities, first year's instalments on long-term interest-bearing liabilities, certificates, and the currency effects of combined interest rate and currency swaps. The split between years also shows the timing of interest rate adjustments for interest rate swaps and combined interest rate and currency swaps.

Short-term financial investments - bonds per debtor category

| NOK million | 2011 | 2010 | $\begin{array}{r} \text { Mod. } \\ \text { duration } \end{array}$ | interest rate (\%) |
| :---: | :---: | :---: | :---: | :---: |
| Commercial and savings banks | 103 | 92 | 1.59 | 4.10\% |
| Industry | 30 | 33 | 3.25 | 4.00\% |
| Public sector | 90 | 89 | 3.34 | 3.10\% |
| Total | 223 | 214 |  |  |

Statkraft's financial instruments are exposed to credit risk and liquidity risk.

## CREDIT RISK

Credit risk is the risk of a party to a financial instrument inflicting a financial loss on the other party by not fulfilling its obligations. Statkraft assumes counterparty risk in connection with energy trading and physical sales, when placing surplus liquidity and when trading in financial instruments.

It is assumed that no counterparty risk exists for financial energy contracts which are settled through an energy exchange. For all other energy contracts entered into, the limits are stipulated for the individual counterparty using an internal credit rating. The counterparties are allocated to different categories. The internal credit rating is based on financial key figures. Bilateral contracts are subject to limits for each counterparty with regards to volume, amount and duration. Statkraft also has a separate category for counterparties with which the Group will not engage for ethical reasons.

In order to reduce credit risk, bank guarantees are used in some cases when entering into agreements. The bank which issues the guarantee must be an internationally rated commercial bank. Parent company guarantees are also used. In such cases, the parent company is assessed and classified in the normal way. Subsidiaries will naturally never be rated higher than the parent company. In connection with bank guarantees and parent company guarantees, the counterparty will be classified in the same category as the issuer of the guarantee.

Statkraft has netting agreements with several of its energy trading counterparties. In the event of default, the netting agreements give a right to a final settlement where all future contract positions are netted and settled.

Placement of surplus liquidity is mainly divided among institutions rated A- or better. For financial instruments, loss exposure is calculated in the event of breach of contract by the counterparty. Statkraft has entered into agreements relating to interim cash settlement of the market value of financial derivatives with its counterparties (cash collateral), significantly reducing counterparty exposure in connection with these agreements.

Statkraft has good follow-up routines for ensuring that outstanding receivables are paid as agreed. Customer lists sorted by age are followed up continuously. If a contractual counterparty experiences payment problems, special procedures are applied.

The risk of counterparties not being able to meet their obligations is considered to be limited. Historically, Statkraft's losses on receivables have been limited.

The individual counterparty exposure limits are monitored continuously and reported regularly. In addition, the counterparty risk is quantified by combining exposure with the probability of the individual counterparty defaulting. The overall counterparty risk is calculated and reported for all relevant units, in addition to being consolidated at the Group level and included in the Group risk management.

Statkraft's gross credit risk exposure corresponds to the recognised value of financial assets, which are found in the various notes to the balance sheet. Statkraft has provided parent company guarantees for subsidiaries and associates (Note 39). The maximum credit risk exposure does not exceed the already recognised value of financial assets. Gross exposure to credit risk in financial assets is partly reduced through collateral. To the extent that relevant and substantial collateral has been provided, this has been presented below.

| NOK million | Note | 2011 | 2010 |
| :--- | ---: | ---: | ---: |
| Gross exposure credit risk: |  |  |  |
| Other non-current financial assets | 20 | 11046 | 15247 |
| Derivatives | 24 | 958 | 987 |
| Receivables | 22 | 12010 | 10748 |
| Short-term financial investments | 23 | 455 | 424 |
| Cash and cash equivalents | 25 | 8282 | 20052 |
| Total |  | 41331 | 55958 |

Exposure reduced by security (guarantees, cash collateral etc.):

| Derivatives | 27 | -1330 | -1080 |
| :--- | ---: | ---: | ---: |
| Net exposure credit risk | 40001 | 54878 |  |

In the case of financial derivatives, the credit risk for most counterparties and derivatives is reduced by the provision of security in the form of cash collateral. Cash collateral is settled on a weekly basis and will therefore not always be settled on 31 December. There could therefore be an outstanding credit risk at the year-end.

Frameworks for exposure to individual counterparties have been adopted in the case of short-term financial investments.
All cash and cash equivalents are receivables due from banks.

## LIQUIDITY RISK

Statkraft assumes a liquidity risk because the term of its financial obligations is not matched to the cash flows generated by its assets, and because of variations in security requirements linked to both financial contracts in the forward market (energy exchanges) and cash collateral requirements. Statkraft has good borrowing opportunities from the Norwegian and international money markets and in the banking market. Drawdown facilities have been established to secure access to short-term financing. A guarantee framework has been established to cope with significant fluctuations in the collateral required for financial contracts in the forward market required by Nord Pool. Statkraft has a KPI for liquidity capacity, and it shows Statkraft's ability to cover its future obligations. The liquidity capacity target should be between 1.5 and 4.0. Liquidity capacity in this context is defined as cash and cash equivalents, plus committed drawdown facilities, overdrafts and projected receipts for the next six months divided by projected payments for the next six months.

The finance department prepares the liquidity forecasts, which are important for daily liquidity management and for planning future financing requirements. The liquidity reserve is a tool for the finance department's risk management and functions as a buffer in relation to the liquidity forecast. The liquidity reserve consists of the company's cash and cash equivalents, committed drawdown facilities and overdraft facilities. Cash and cash equivalents are intended to cover normal fluctuations in the company's cash flow. Committed drawdown facilities will be Statkraft's buffer against unforeseen events with significant cash flow consequences. An individual target figure for short-term liquidity capacity, which reflects Statkraft's ability to cover its future obligations, is included in the Group's balanced scorecard.

| Maturity schedule, external long-term liabilities |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| NOK million | 2012 | 2013 | 2014 | 2015 | 2016 | After 2016 |
| Instalments on loans from Statkraft SF | - | - | - | - | 400 |  |
| Instalments on bond loans from the Norwegian market | 700 | - | 3983 | 2145 | 4279 | 2500 |
| Instalments on other loans raised in non-Norwegian markets 2200 | 2324 | - | 3868 | - |  |  |
| Instalments on external loans in subsidiaries and other loans | 368 | 1639 | 94 | 148 | 126 | 1006 |
| Interest payments | 1485 | 1411 | 1383 | 1064 | 871 | 1604 |
| Total | 4753 | 5374 | 5460 | 7225 | 5276 | 14441 |

Allocation of non-discounted value of derivatives per period
The Group has a significant number of financial derivatives which are reported as derivatives in the balance sheet. For derivatives with negative market value, where contractual due dates are decisive for the understanding of the timing of the cash flows, the nondiscounted values are allocated to the time periods shown in the table below.

| NOK million | 2012 | 2013 | 2014 | 2015 | 2016 | After 2016 |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Energy derivatives | 3666 | 1685 | 977 | 809 | 598 | 633 |
| Interest rate and foreign currency derivatives | 246 | -162 | -38 | 73 | 107 | 811 |
| Total derivatives | 3912 | 1523 | 939 | 882 | 705 | 1444 |

## MANAGEMENT OF CAPITAL STRUCTURE

The main aim of the Group's management of its capital structure is to maintain a reasonable balance between the company's debt/ equity ratio, its ability to expand and its maintenance of a strong credit rating.

Tools for long-term management of capital structure are primarily comprised by the draw-down and repayment of long-term liabilities and payments of share capital from/to the owner. The Group endeavours to obtain external financing from various capital markets. The Group is not subject to any external requirements with regard to the management of capital structure other than those relating to the market's expectations and the owner's dividend requirements.

There were no changes in the Group's targets and guidelines governing the management of capital structure in 2011.
The most important target figure for the Group's management of capital structure is long-term credit rating. Statkraft AS has a long-term credit rating of A- (stable outlook) from Standard \& Poor's and Baa1 (stable outlook) from Moody's. Statkraft's goal is to maintain its current rating, and $\mathrm{BBB}+/ \mathrm{Baa} 1$ as a minimum.

Overview of capital included in management of capital structure

| NOK million | Note | 2010 |  |
| :--- | ---: | ---: | ---: |
| Interest-bearing long-term liabilities | 27 | 3144 | 34251 |
| Short-term interest-bearing liabilities | 27 | 5442 |  |
| Cash and cash equivalents and short-term financial investments | 23,25 | -8737 | -20476 |
| Net liabilities |  | 28150 | 204010 |

Statkraft is organised into business units and support functions. The managers of these units report to the corporate management, which comprises the executive vice presidents (EVPs) and the President and CEO.

| Salaries and other benefits - executive management | Salary | Bonus ${ }^{2)}$ | Benefits <br> in kind | Salary and <br> other benefits |
| :--- | ---: | ---: | ---: | ---: |
| NOK | 4026276 | - | 188838 | 4215114 |
| Christian Rynning-Tønnesen, President and CEO | 1238831 | 450000 | 77364 | 1766195 |
| Stein Dale, Executive Vice President ${ }^{1)}$ | 527300 | - | 40256 | 567556 |
| Jens B. Staff, Executive Vice President ${ }^{1)}$ | 2130749 | 375000 | 167436 | 2673185 |
| Jon Brandsar, Executive Vice President | 2221983 | 152083 | 187428 | 2561494 |
| Steinar Bysveen, Executive Vice President | 1919047 | 237500 | 186056 | 2342603 |
| Hilde Bakken, Executive Vice President | 2560994 | 333750 | 159029 | 3053773 |
| Asbjørn Grundt, Executive Vice President | 2016552 | 72917 | 152312 | 2241781 |
| Øistein Andresen, Executive Vice President |  |  |  |  |

$\frac{\text { 1) Stein Andresen, Executive Vice President }}{\text { 1) }}$ Stein resigned as Executive Vice President 30 June 2011, and Jens B. Staff took over 1 October 2011.
2) Bonus earned in 2010, but paid in 2011.

The corporate management has not received any remuneration or financial benefits from other companies in the Group other than those shown above. No additional remuneration for special services over and above their normal managerial functions has been provided.

The total salaries and other benefits paid to executive management in 2010 amounted to NOK 17142850.

| Remuneration to the Board, Audit Committee and Compensation |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Committee as well as participation in Board meetings NOK | Board remuneration | Audit committee | Compensation committee | Participation in Board meetings |
| Svein Aaser, Chair | 410000 |  | 42750 | 12 |
| Ellen Stensrud, Deputy chair | 295000 | - | - | 10 |
| Halvor Stenstadvold, Board member | 239000 | 79500 |  | 11 |
| Berit J. Rødseth, Board member | 239000 | 58000 |  | 12 |
| Inge Ryan, Board member | 239000 | 58000 | - | 12 |
| Silvija Seres, Board member | 239000 |  | 26500 | 12 |
| Thorbjørn Holøs, employee-elected Board member | 239000 | 58000 | - | 12 |
| Odd Vanvik, employee-elected Board member | 239000 | - | 26500 | 8 |
| Lena Halvari, employee-elected Board member | 239000 | - | - | 11 |

The Board has no remuneration agreements other than the directors' fee and remuneration for participation in committee work, nor have any loans or pledges been granted to Directors of the Board.

Total remuneration paid to the Board, Audit Committee and Compensation Committee in 2010 was NOK 2273 500, NOK 217000 and NOK 92000 respectively.
Pension provisions - executive management Pensions ${ }^{1)}$ NOK
NOK
Christian Rynning-Tønnesen, President and CEO
Stein Dale, Executive Vice President 508813
Jens B. Staff, Executive Vice President 203507

Jon Brandsar, Executive Vice President
Jon Brandsar, Executive Vice President
Hilde Bakken, Executive Vice President
860333
Asbjørn Grundt, Executive Vice President 940588
Øistein Andresen, Executive Vice President

1) The year's accounting cost for the pension scheme that reflects the period during which the individual has functioned as an executive manager.

The total pension provision for executive employees in 2010 was NOK 8333437.

## THE STATEMENT REGARDING SALARIES AND OTHER REMUNERATIONS TO SENIOR EXECUTIVES

The board of Statkraft has established a separate subcommittee which considers issues relating to compensation. The mandate of the committee is as follows:

- Once a year prepare the Board's treatment regarding salaries and other remunerations for the CEO
- Prepare the Board's treatment of all the fundamental issues related to salary, bonus systems, pension, and employment agreements and similar for the executive management in Statkraft.
- Deal with specific issues relating to compensation for employees in the Statkraft Group to the extent that the Committee finds that these concern matters of particular importance for the Group's reputation, and competitiveness and its attractiveness as an employer.

In addition to this, the CEO should consult the Compensation Committee regarding his recommendations regarding the salaries for the corporate executives before they are decided upon.

Statkraft has a policy that we must have competitive terms, but we will not be a wage leader.
Upon deciding salaries and other remunerations in Statkraft, an external position assessment system that ranks jobs according to a recognized and widely used methodology is utilised. A survey is then conducted, evaluating how similar ranking positions in the Norwegian labour market are compensated. This information, together with internal reward practices in Statkraft forms the basis for determining compensation.

## REPORT ON EXECUTIVE REMUNERATION POLICY

The CEO is only compensated with a fixed salary - and vice presidents shall receive both a fixed salary and a variable payment.
Fixed salary The fixed salary is determined based on a job- and a market assessment - and also assessed against Statkraft's policy to offer competitive terms, but not be leading. When deciding the annual wage regulation, the average wage increases of other employees are also considered.

Variable salary In addition to the fixed salary, the Group has a bonus scheme for the executive directors. The annual bonus has a maximum payout of NOK 500 000. The agreed targets are financial, operational and individual.

Other variable elements Further variable elements include arrangements with a company car, newspapers, phone and coverage of broadband communication in accordance with established standards.

Pension plans Statkraft has for wholly owned Norwegian subsidiaries established pension schemes in the Government Pension Fund (SPK). In addition, Statkraft has entered into pension agreements that provide all employees, including the CEO and executive vice presidents. The CEO, Christian Rynning-Tønnesen, has a retirement age of 67 years, and will receive a pension of $66 \%$ of the yearly salary, provided that he has been part of SPK during the entire 30 year vesting period.

The other executives have a retirement age of 65 years at the earliest, with the right to $66 \%$ of the yearly salary, provided that they have been part of SPK during the entire 30 year vesting period.

Statkraft is currently evaluating alternative arrangements, as the pension scheme for income above 12 G is not longer in accordance with the new Guidelines for managers in state-owned companies.

Position Change Agreements The CEO and certain executive directors have agreements regarding change of position after the age of 62. These are agreements where, at any time after the employee has reached 62 years of age, there is a mutual right and duty, if the executive ask for, or is requested to resign from his executive position without further justification. If any of the parties execute this right, the executive should be offered another position with a salary of $75 \%$ of the executive's pay - and a working time of $50 \%$ until agreed upon retirement age.

The policy regarding executive remuneration has been changed, and any new such agreements will not be made.
Severance arrangements Mutual period of notice for the CEO is agreed to 6 months. For executive directors, there is a mutual notice period of 3 months. If more than 2 years of employment, the employer's period of notice is 6 months.

For the CEO and certain executive directors, agreements have been made where a special severance pay from the employer should be paid, if notice has been given from the employer with a shorter deadline than mentioned above. The agreement waives the employee's rights in the Work Environment Act (Arbeidsmiljøloven) for protection against dismissal. If the employer uses this right of termination, the employee is entitled to a severance payment of up to 12 months' salary in excess of agreed notice period. The amount shall be paid monthly. Severance pay shall be reduced according to established rules if the employee receives other income within the payment period. These agreements are entered into in accordance with the Guidelines for the employment conditions of managers in state owned enterprises and companies of 28 June 2004.

The policy regarding executive remuneration has been changed, and any new such agreements will not be made.
Terms CEO Fixed salary to the Chief Executive for 2012 is NOK 4250000 . The CEO's retirement age is 67 years, with pension and other terms as set out in this Statement.

## STATEMENT ON SALARIES AND OTHER COMPENSATION FOR 2012

The Board intends to apply the main principles and practices described in this document as a basis for both fixed salary as other allowances provided the group's senior management the current year.

FEES PAID TO EXTERNAL AUDITORS
Deloitte AS is the Statkraft Group's auditor.
The total fees paid to the Group auditors for auditing and other services were as follows (excluding VAT):

| NOK thousands | 2011 | 2010 |
| :---: | :---: | :---: |
| Statutory auditing | 11820 | 10968 |
| Other certification services | 498 | 1266 |
| Tax consultancy services | 2748 | 2778 |
| Other services ${ }^{1)}$ | 4372 | 2090 |
| Total | 19438 | 17102 |

Total fees to other auditors in the Group and other services are as follows:

| NOK thousand | 2011 |  |
| :--- | ---: | ---: |
| Statutory auditing | - | 5010 |
| Other certification services | - | 15 |
| Tax consultancy services | - | 236 |
| Other services | - |  |
| Total | - | - |

The decline in fees to other auditors in the Group is due to the Group's auditor having taken over the auditing of all the companies in the SN Power Group.

## 38 RELATED PARTIES

All subsidiaries, associates and joint ventures stated in Note 5 and Note 19 are related parties of Statkraft. Intercompany balances and transactions between consolidated companies are eliminated on consolidation and are not shown in this Note.

The individuals stated in Note 36 are members of the corporate management or the Board and are also related parties of Statkraft.
All transactions with related parties are conducted at market terms and conditions. Apart from the transactions that are stated in this note and Note 36 , there are no transactions or outstanding balances of significance with related parties.

The table below shows the transactions with related parties that are associates or joint ventures that are not eliminated in the consolidated financial statements.

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Revenues | 228 | 52 |
| Expenses | 358 | 246 |
| Receivables at the end of the period | 587 | 40 |
| Liabilities at the end of the period | 323 | 526 |

SIGNIFICANT TRANSACTIONS WITH THE OWNER AND COMPANIES CONTROLLED BY THE OWNER
The shares in Statkraft AS are all owned by Statkraft SF, which is a company wholly owned by the Norwegian State.

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Gross operating revenues include: |  |  |
| Industrial sales at statutory prices | 130 | 1535 |
| Concessionary sales at statutory prices | 401 | 308 |
| Net operating revenues includes: |  |  |
| Energy purchases from Statoil | 907 | 576 |
| Grid tariff to Statnett | 825 | 1216 |
| Services delivered to Statnett | 65 | 77 |
| Operating expenses include: |  |  |
| Property tax and licence fees to Norwegian authorities | 998 | 1034 |
| Tax expenses include: |  |  |
| Taxes payable to Norwegian authorities | 3301 | 3344 |
| Dividend and Group contribution from Statkraft AS to Statkraft SF | 9400 | 7964 |

In addition, Statkraft has transactions with other entities controlled by the Norwegian State. The size of these transactions is not, neither on stand-alone basis or collectively, of material effect for the financial statements of Statkraft AS.

In addition, the Group pays direct taxes and various indirect taxes to Norwegian authorities in the form of value added tax, etc.

## PLedges

Under certain circumstances local authorities and publicly owned energy companies are entitled to a share of the output from power plants belonging to Statkraft in return for paying a share of the construction costs. To finance the acquisition of such rights, the local authorities/companies have been granted permission to pledge the power plant as security. The mortgage debt raised by the local authorities under this scheme totals NOK 1289 million. In addition, other subsidiaries have a total of NOK 2894 million in pledged assets. As of 31 December 2011, the book value of the pledged assets in Statkraft Energi AS totalled NOK 5547 million. In SN Power, book value of pledged assets amounts to NOK 4419 million, including restricted funds. The book value of pledged assets in other subsidiaries amounts to NOK 945 million.

## GUARANTEES

The Statkraft Group has the following off-balance-sheet guarantees:

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Parent company guarantees ${ }^{1)}$ | 11633 | 9872 |
| Other | 590 | 79 |
| Total guarantees in Statkraft AS | 12223 | 9951 |
| ${ }^{1)}$ Whereas the most material guarantees are regarding energy purchase (NOK 5936 million) and liabilities to suppliers (NOK 4352 million). |  |  |
| Parent company guarantees | 1761 | 1745 |
| Guarantees in NASDAQ OMX Stockholm AB (transferred from Nord Pool in 2010) and other energy exchanges | 3103 | 3624 |
| Other | 1462 | 669 |
| Total guarantees in subsidiaries | 6325 | 6038 |
| Total | 18548 | 15989 |

## CONTRACT OBLIGATIONS

The Statkraft Group has the following off-balance-sheet obligations:

- Long-term agreement to purchase $\mathrm{CO}_{2}$ quotas.
- Agreements relating to purchase of gas equalling 54 TWh in the period to 2017
- Obligation relating to a financial power exchange agreement on the order of NOK 937 million.
- A license agreement relating to the development, construction and operation of three hydropower plants which involves a joint responsibility estimated at EUR 800 million.
- In September 2010, SN Power decided to build the hydropower plant Cheves in Peru. The plant will have an installed capacity of 168 MW and an expected annual production of 834 GWh . The investment has a budget of USD 402 million, of which USD 247 million is outstanding as of December 2011.
- SN Power has obligations relating to the completion of facilities under construction, presented as associates/joint ventures in the financial statements. Total investment for the projects (100\%) amounts to USD 1142 million, of which the remaining investments are estimated at USD 221 million. SN Power has an obligation to contribute a maximum of USD 10 million in equity in associates/ joint ventures to fund the remaining investments. Relevant projects are situated in India, Chile and Panama.
- Need for financing of two associated companies owned by SN Power, because of involuntary temporary shutdown is estimated to amount to USD 51 million for SN Power's share.


## 40 LEASES

The total of future minimum lease payments in relation to non-cancellable leases for each of the following periods is:

| NOK million | Within 1 year of the end of the period | Between 1 and 5 years after the end of the period | More than 5 years after the end of the period | Total |
| :---: | :---: | :---: | :---: | :---: |
| Property rental agreements | 104 | 339 | 744 | 1188 |
| Other leases | 7 | 27 | 50 | 85 |
| Total | 112 | 366 | 795 | 1272 |

The lease amount connected to leases recognised in the period and specified in the following manner is:

| NOK million | Minimum lease | Variable lease | Sublease payments |
| :--- | ---: | ---: | ---: |
| Property rental agreements | 87 | - | 1 |
| Other leases | 11 | - |  |
| Total | 98 | - |  |

There are no other material operating or financial leases.
$41 \Rightarrow$ CONTINGENCIES, DISPUTES ETC

## EXCESS/SHORTFALL OF REVENUE

In the monopoly-regulated distribution grid business, differences can arise between the revenue ceiling determined by the Norwegian Water Resources and Energy Directorate (NVE) and the amount actually invoiced as grid rental charges. If the invoiced amount is lower than the revenue ceiling, this results in surplus income, while if the invoiced amount is higher this generates a revenue shortfall. Revenue surpluses/shortfalls will even out over time as actual invoicing is adjusted.

Revenues are recognised in the accounts based on actual invoicing. Accumulated excess/shortfall of revenue as shown in the table below will be recognised in future periods.

Excess/shortfall of revenue distribution grid operations, closing balance
NOK million 2011201020

Cumulative excess revenue transferred to subsequent years 301
Cumulative revenue shortfall transferred to subsequent years
Net excess/shortfall of revenue

## DISPUTES

Statkraft has extensive business activities and is consequently likely to be involved in disputes of varying magnitude at any time. At the time of approval of the financial statements, there were no disputes that could have a material effect on Statkraft's result or liquidity.
$\rightarrow$ Income Statement
Balance Sheet
Statement of Cash Flow
Notes
Auditor's Report

## Income statement

## STATKRAFT AS PARENT COMPANY

| NOK million | Note | 2011 | 2010 |
| :---: | :---: | :---: | :---: |
| Operating revenues | 2 | 511 | 412 |
| Salaries and payroll costs | 3,4 | -400 | -367 |
| Other operating expenses | 5,6 | -524 | -489 |
| Depreciation and impairments | 9 | -35 | -41 |
| Operating expenses |  | -959 | -897 |
| Operating profit |  | -448 | -485 |
| Financial income | 7 | 6201 | 9850 |
| Financial expenses | 7 | -3 522 | -1919 |
| Net financial items |  | 2679 | 7931 |
| Profit before tax |  | 2231 | 7446 |
| Tax expense | 8 | -394 | -1637 |
| Net profit |  | 1838 | 5809 |
|  |  |  |  |
| Allocation of net profit for the year |  |  |  |
| Dividends payable | 14 | 4900 |  |
| Group contribution payable | 14 | - | 7432 |
| Transfer to (+)/from (-) other equity | 14 | -3 062 | -1 623 |

Balance Sheet
STATKRAFT AS PARENT COMPANY

| NOK million | Note | 31.12.11 | 31.12.10 |
| :---: | :---: | :---: | :---: |
| ASSETS |  |  |  |
| Deferred tax assets | 8 | 44 | - |
| Property, plant and equipment | 9 | 118 | 121 |
| Investments in subsidiaries and associates | 10 | 98539 | 96030 |
| Derivatives | 21 | 524 | - |
| Other non-current financial assets | 11 | 105 | 123 |
| Non-current assets |  | 99330 | 96274 |
| Receivables | 12 | 6604 | 8883 |
| Derivatives | 21 | 299 | 984 |
| Cash and cash equivalents | 13 | 6061 | 17597 |
| Current assets |  | 12964 | 27464 |
| Assets |  | 112294 | 123738 |
|  |  |  |  |
| EQUITY AND LIABILITIES |  |  |  |
| Paid-in capital | 14 | 45569 | 45569 |
| Retained earnings | 14 | 11748 | 14958 |
| Equity |  | 57318 | 60527 |
| Deferred tax | 8 | - | 101 |
| Provisions | 15 | 765 | 517 |
| Interest-bearing long-term liabilities | 16,18 | 28430 | 31448 |
| Derivatives | 21 | 911 | 483 |
| Long-term liabilities |  | 30106 | 32549 |
| Short-term interest-bearing liabilities | 17, 18 | 18572 | 20723 |
| Taxes payable | 8 | 480 | - |
| Derivatives | 21 | 295 | 523 |
| Other interest-free liabilities | 19 | 5523 | 9416 |
| Short-term liabilities |  | 24871 | 30662 |
| Equity and liabilities |  | 112294 | 123738 |

The Board of Directors in Statkraft AS
Oslo, 14 March 2012


Svein Aa
Chair
 Board member


Ellen Stensrud Deputy chair


Silvija Seres
Board member


Berit Rodseth Board member

 Board member

Christian Bynuing-Tonneren
Christian Rynnin -Tønnesen President and CEO

## Statement of Cash Flow

STATKRAFT AS PARENT COMPANY

| NOK million | Note | 2011 | 2010 |
| :--- | :--- | ---: | ---: |
| CASH FLOW FROM OPERATING ACTIVITIES |  |  |  |
| Profit before tax | 9 | 231 | 7446 |
| Depreciation and impairments |  | 35 | 41 |
| Profit(-)/loss(+) from sale of shares | 7 | 53 | 35 |
| Write-down of shares |  | 1399 | 121 |
| Cash flow from operating activities |  | 3718 | 7643 |
| Changes in long-term items | -1095 | 62 |  |
| Changes in other short-term items |  | 2728 | 5287 |
| Net cash from operating activities |  | A | 5351 |

CASH FLOW FROM INVESTING ACTIVITIES
Investments in property, plant and
Proceeds from sales of non-current assets - 2

| Investments in other companies | -3887 |
| :--- | :--- |


| Net cash flow from investing activities | B | -3918 |
| :--- | :--- | :--- |

CASH FLOW FROM FINANCING ACTIVITIES

| New debt |  |  | 250 | 3543 |
| :---: | :---: | :---: | :---: | :---: |
| Repayment of debt |  |  | -4 099 | -7 793 |
| Paid-in capital |  |  | - | 14000 |
| Dividend and Group contribution paid |  |  | -9 120 | -7863 |
| Net cash flow from financing activities |  | C | -12 969 | 1887 |
| Net change in cash and cash equivalents |  | $A+B+C$ | -11536 | 12448 |
| Cash and cash equivalents 01.01 | 13 |  | 17597 | 5149 |
| Cash and cash equivalents 31.12 | 13 |  | 6061 | 17597 |

Note 1 Significant accounting policies
Note 2 Operating revenues
Note 3 Salaries and other payroll costs
Note 4 Pensions
Note 5 Other operating expenses
Note 6 Fees paid to external auditors
Note 7 Financial income and expenses
Note 8 Taxes
Note 9 Property, plant and equipment
Note 10 Shares in subsidiaries and associates
Note 11 Other non-current financial assets

Note 12 Receivables
Note 13 Cash and cash equivalents
Note 14 Equity
Note 15 Provisions for liabilities
Note 16 Interest-bearing long-term liabilities
Note 17 Current interest-bearing liabilities
Note 18 Market and liquidity risk analysis
Note 19 Other interest-free liabilities
Note 20 Obligations and guarantees
Note 21 Derivatives
Note 22 Related parties

## SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

The annual accounts for Statkraft AS have been prepared in accordance with the Accounting Act and generally accepted accounting principles in Norway (GRS).

## VALUATION AND CLASSIFICATION PRINCIPLES

Uncertainties in estimates The accounts are based on assumptions and estimates that affect the book value of assets, liabilities, incomes and costs. The best estimate at the time when the accounts are rendered form the basis, but the actual figures may deviate from the original estimates.

Principles for recognition of income and costs Recognition of revenues from sale of goods and services takes place when earned, while recognition of costs takes place in accordance with the accrual principle. Dividend and group contribution from subsidiaries are recorded as income in the earning year, while dividend from other companies is recognised as income in accordance with the cash basis of accounting. Gains/losses from sale of ordinary fixed assets are treated as operating revenues or expenses.

Pension costs The pension schemes for Statkraft AS are defined benefit schemes. The net pension cost for the period is included under salaries and other payroll costs, and comprises the total of the pension benefits accrued during the period, the interest on the estimated liability and the projected yield from the pension fund assets. The effect of changes to the schemes that have retroactive effect, i.e. where the earning of the entitlement is not dependent on further service, is recognised directly in the income statement. Changes to the schemes that are not issued with retroactive effect are accrued over the remaining service time. Estimate deviations are recognised directly against equity.

Net pension fund assets for overfunded schemes are classified as non-current assets and recognised in the balance sheet at fair value. Net pension liabilities for underfunded schemes are classified as provision for liabilities under long-term debt.

Taxes Statkraft AS is subject to tax on profits that is calculated in accordance with ordinary tax rules. The tax charge in the income statement comprises taxes payable and changes in deferred tax liabilities/assets. Taxes payable are calculated on the basis of the taxable income for the year. Deferred tax liabilities/assets are calculated on the basis of temporary differences between the accounting and tax values and the tax effect of losses carried forward. Deferred tax assets are only recognised in the balance sheet to the extent that it is probable that the assets will be realised in the future. Tax related to equity transactions is recognised in equity.

Classification and valuation of assets and debt Assets intended for lasting ownership or use are classified as fixed assets. Other assets are classified as current assets. Receivables that will be repaid within 12 months are classified as current assets. Corresponding criteria are used in the classification of short-term and long-term liabilities.

Fixed assets are evaluated at acquisition cost, but are written down to fair value when the reduction in value is not expected to be transitory. Write-downs are reversed when the basis for the write-down no longer exists. Fixed assets with limited useful economic life are depreciated according to schedule. Long-term loans are recognised in the balance sheet at nominal value, corrected for any unamortised early redemption penalty or discount. Current assets are evaluated at the lowest of acquisition cost and fair value. Short-term loans are recognised in the balance sheet at nominal received amount at the time of establishment.

Intangible assets Costs relating to intangible assets are recognised in the balance sheet at historic cost provided that the requirements for doing so have been met. Intangible assets with a limited useful economic life are depreciated according to schedule.

Property, plant and equipment Property, plant and equipment are recognised in the balance sheet and depreciated in a straight line from the time the property, plant or equipment starts regular operations. The acquisition cost consists solely of directly attributable costs. Indirect administration costs are excluded when recognising own hours in the balance sheet.

Subsidiaries/associated companies Subsidiaries are companies where the Group has controlling influence over financial and operational principles. Controlling influence is normally achieved when the company owns more than 50 per cent of the voting shares. The investment is evaluated at acquisition cost for the shares unless write-downs have been necessary. Write-down to fair value is made when the reduction in value is due to reasons that cannot be considered transitory. Write-downs are reversed when the basis for the write-down no longer exists. Dividend and other disbursements received are recognised as income in the same year that the subsidiary allocated it. If the dividend exceeds the share of retained profits after the purchase, the excess part represents repayment of invested capital and the disbursements received are deducted from the value of the investment in the balance sheet. Associated companies are companies where Statkraft AS has significant influence. Significant influence is normally deemed to exist where the company owns or controls 20 to 50 per cent of the voting shares.
Long-term share investments and shareholdings All Iong-term investments are treated in accordance with the cost method
in company accounts. Dividend received is treated as financial income.

Receivables Accounts receivables and other receivables are recognised at nominal value after the deduction of expected loss. Loss allocations are made on the basis of individual evaluations of each receivable.

Short-term financial investments Shares, bonds, certificates, etc. are classified as current assets and evaluated at market value.

Cash and cash equivalents The item cash and cash equivalents also includes certificates and bonds with short residual terms. Market settlements for derivatives connected with financial activities (cash collateral) are recognised in the balance sheet.

Doubtful commitments Doubtful commitments are recognised if settlement is more likely than not. Best estimates are used when calculating settlement value.

Long-term debt Borrowing costs and early redemption penalty or discount are recognised in accordance with the effective interest rate method (amortised cost) for fixed interest debt.

## FINANCIAL DERIVATIVES AND HEDGING

The accounting treatment of financial instruments follows the intention behind entering into of agreements. Upon entering into the agreement, it is either defined as a hedging transaction or a trading transaction. Classification of derivatives is performed in accordance with the general guidelines for such classification, with the exception of some derivatives that are hedging instruments in hedge accounting, where the derivatives are presented together with the hedging item.

Interest rate derivatives Statkraft uses interest rate derivatives to hedge against large fluctuations in interest rates. Recognition of gains and losses depends on whether the interest rate derivative has been classified as a hedging instrument and, if applicable, the type of hedging. Interest rate derivatives that are not hedging instruments are recorded at the lowest market value Unrealised losses or gains are included in the financial result Interest rate derivatives that are defined as hedging instruments
are accrued in the same way as interest on hedged debts or receivables. Interest rate derivatives are classified as long-term fixed assets or long-term financial liabilities if the remaining term is longer than one year.

Gains and losses are recognised in the income statement when settling loans before maturity. Interest rate derivatives in connection with loans that have been repaid are normally cancelled. Gains and losses from cancelled interest rate swaps are accrued together with underlying loans.

Currency derivatives In order to hedge against fluctuations in the foreign currency rates, Statkraft uses currency derivatives in line with approved financial policy. Recognition of gains and losses depends on whether the currency derivative has been classified as a hedging instrument and, if applicable, the type of hedging. Currency derivatives which are not hedging instruments are valued at fair value. Changes in value are recorded in the income statement as financial income or financial costs.

Hedging The accounting treatment of financial derivatives desig nated as hedging instruments is recorded in line with the principles for the hedging types asset hedging and cash flow hedging. In the event of hedging of assets or liabilities in the balance sheet, the derivative is recognised at fair value. The book value of the hedged asset or liability is adjusted for the value of the financial derivative's change in value which is related to hedged risk. When hedging future cash flows, the unrealised gains and losses of the hedging instruments are not recorded in the balance sheet.

Currency Money items denominated in foreign currency are evaluated at the exchange rate on the balance sheet date. Currency effects are included in the financial result. Transactions denominated in foreign currency are converted using the transaction date exchange rate.

Cash flow statement principles The cash flow statement has been prepared using the indirect method. The statement starts with the company's result for the year in order to show cash flow generated by regular operating activities, investments and financing activities respectively.

SALARIES AND OTHER PAYROLL COSTS

| NOK million | 2011 |  |
| :--- | ---: | ---: |
| Salaries | 251 | 2010 |
| Employers' national insurance contribution | 42 | 252 |
| Pension costs | 82 |  |
| Other benefits | 25 |  |
| Total | 40 |  |

The parent company employed an average of 296 full-time equivalents in 2011. The corresponding figure for 2010 was 279.
Pension costs are described in further details in Note 4.
For information about salaries and payroll costs for the corporate management and the board of directors, see Note 36 in the Group accounts.

## PENSIONS

## GROUP PENSION SCHEMES

The company is obliged to operate an occupational pension scheme under the Norwegian Act on Mandatory Occupational Pension Schemes. Statkraft AS operates an occupational scheme for its employees through the Norwegian Public Service Pension Fund (SPK) which meets these requirements. The benefits are retirement, disability, surviving spouse and child's pensions. For individuals qualifying for the full entitlement, the scheme provides retirement and disability pension benefits amounting to $66 \%$ of pensionable income, up to a maximum of 12 times the National Insurance Scheme's basic amount ( G ). The company's employees are also entitled to retire early under the early retirement (AFP) scheme from the age of 62 . Pension benefits from the SPK are guaranteed by the Norwegian state (Section 1 of the Pension Act).

Statkraft pays an annual premium to the SPK and is responsible for the financing of the scheme. The SPK scheme is, however, not asset-based. Management of the pension fund assets (fictitious assets) is therefore simulated as though the assets were invested in long-term government bonds. In this simulation it is assumed that the bonds are held to maturity.

## UNFUNDED PENSION LIABILITIES

Statkraft has in addition to the above schemes entered into agreements that provide employees whose pensionable income exceeds 12 G with a retirement and disability pension equivalent to $66 \%$ of that portion of their pensionable income exceeding 12 G . These pensions are funded out of the company's operations. Due to new guidelines for companies owned by the Norwegian state, as stated by the Government 31 March 2011, the agreement is currently being revised.

Breakdown of pension costs for the period

| NOK million | 2011 |  | 2010 |
| :---: | :---: | :---: | :---: |
| Present value of accrued pension entitlements for the year | 69 |  | 62 |
| Amortisation scheme change | - |  | -24 |
| Interest costs on pension liabilities | 21 |  | 24 |
| Projected yield on pension assets | -8 |  | -8 |
| Net pension costs | 82 |  | 54 |
| Reconciliation of pension liabilities and pension fund assets |  |  |  |
| NOK million | 2011 |  | 2010 |
| Present value of accrued pension entitlements for funded defined benefit schemes | 536 |  | 372 |
| Fair value of pension assets | 240 |  | 223 |
| Actual net pension liability for funded defined benefit schemes | 296 |  | 149 |
| Present value of accrued pension entitlements for unfunded defined benefit schemes | 285 |  | 204 |
| Employers' national insurance contribution | 82 |  | 49 |
| Net pension liabilities | 663 |  | 402 |
| Movement in estimate deviations recognised directly in equity |  |  |  |
| NOK million | 2011 |  | 2010 |
| Cumulative amount recognised directly in equity before tax 01.01 | 125 |  | 163 |
| Estimate deviations recognised in equity during the year | 206 |  | -38 |
| Cumulative amount recognised directly in equity before tax 31.12 | 331 |  | 125 |
| Of which recognised against equity | 238 |  | 90 |
| Of which recognised in deferred tax | 93 |  | 35 |
| Economic assumptions | 31.12.11 | 01.01.11 | 31.12.10 |
| Discount rate | 2.8\% | 3.7\% | 3.7\% |
| Salary adjustment | 4.0\% | 4.0\% | 4.0\% |
| Adjustment of current pensions | 3.0\% | 3.0\% | 3.0\% |
| Adjustment of National Insurance Scheme's basic amount (G) | 3.8\% | 3.8\% | 3.8\% |
| Projected yield on fund assets | 2.8\% | 3.7\% | 3.7\% |
| Forecast annual exit |  |  |  |
| - Up to age 45 | 3.5\% | 3.5\% | 3.5\% |
| - Between ages 45 and 60 | 0.5\% | 0.5\% | 0.5\% |
| - Over age 60 | 0.0\% | 0.0\% | 0.0\% |
| Rate of inflation | 2.0\% | 2.0\% | 2.0\% |
| Tendency to take early retirement (AFP) | 10.0\% | 10.0\% | 10.0\% |

The actuarial calculations are based on demographic assumptions ordinarily used in calculating life insurance and pensions. Closing pension liabilities and estimate deviations as of 31 December 2011 are calculated on the basis of updated mortality (K2005) and disability tariffs (IR73).

Assumptions as of 31 December are used to calculate the net pension liability at the end of the year, while assumptions as of 1 January are used to calculate the pension costs for the year.

## $05 \rightarrow$ OTHER OPERATING EXPENSES

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Materials | 15 | 14 |
| Purchase of third-party services | 389 | 240 |
| Other operating expenses | 120 | 235 |
| Total | 524 | 489 |

## $06 \rightarrow$ FEES PAID TO EXTERNAL AUDITORS

Deloitte AS is the Statkraft Group's auditor. The total fees paid for auditing and other services for Statkraft AS (excluding VAT) for 2011 were as follows:

| NOK thousand | 2011 |  |
| :--- | ---: | ---: |
| Statutory auditing | 2010 | 1794 |
| Other certification services | 109 | 621 |
| Tax consultancy services | 111 | 1025 |
| Other services 1 1) | 1215 | 1067 |
| Total | 3445 | 4507 |
| 1$)$ |  |  |

${ }^{1)}$ Fees for other services in 2011 includes certification of the Sustainability Report (NOK 1215 thousands)

07 FINANCIAL INCOME AND EXPENSES

| Financial income |  |  |
| :--- | ---: | ---: |
| NOK million | 2011 | 2010 |
| Interest income from Group companies | 101 | 104 |
| Interest income | 394 | -14 |
| Dividends and group contributions from subsidiaries | 5337 | 855 |
| Other financial income | 369 | 1405 |
| Total | 6201 | 9850 |
| Financial expenses |  |  |
| NOK million | 2011 | 2010 |
| Interest expenses paid to Group companies | 365 | 205 |
| Interest costs | 1383 | 1116 |
| Write-down of shares | 1399 | 121 |
| Other financial expenses | 375 | 477 |
| Total | 3522 | 1919 |

## $08 \Rightarrow$ TAXES

| The tax expense comprises the following |  |  |
| :---: | :---: | :---: |
| NOK million | 2011 | 2010 |
| Income tax | 480 | 223 |
| Change in deferred tax | -86 | 1414 |
| Total tax expense in the income statement | 394 | 1637 |
| Income tax payable |  |  |
| NOK million | 2011 | 2010 |
| Income taxes payable on the profit for the year | 480 | 223 |
| Effect of Group contributions on tax liability | - | -223 |
| Income tax payable | 480 |  |
| Reconciliation of nominal tax rate and effective tax rate |  |  |
| NOK million | 2011 | 2010 |
| Profit before tax | 2231 | 7446 |
| Expected tax expense at a nominal rate of 28\% | 625 | 2085 |
| Effect on taxes of: |  |  |
| Tax-free income | -678 | -631 |
| Changes concerning previous years | - | 40 |
| Write-down of shares | 386 |  |
| Other permanent differences, net | 61 | 142 |
| Tax expense | 394 | 1637 |
| Effective tax rate | 18\% | 22\% |

## BREAKDOWN DEFERRED TAX

The following table provides a breakdown of the net deferred tax liability. Deferred tax assets are recognised in the balance sheet to the extent that it is probable that these will be utilised.

| NOK million | 2011 |  |
| :--- | ---: | ---: |
| Current assets/current liabilities | -76 |  |
| Other long-term items | 629 |  |
| Property, plant and equipment | -47 |  |
| Pension commitments | -663 |  |
| Total temporary differences and tax loss carry forwards | -157 |  |
| Total deferred tax (+)/deferred tax asset (-) | -407 |  |
| Applied tax rate | -57 |  |
|  | -402 |  |
| Deferred tax as of 01.01.11 | $28 \%$ |  |
| Recognised in tax expense | -101 |  |
| Recognised directly in equity | -86 |  |
| Deferred tax as of 31.12 .11 | -59 | 101 |

$09 \Rightarrow$ PROPERTY, PLANT AND EQUIPMENT

| NOK million | Operating equipment and fixtures and fittings | Facilities under construction | Total |
| :---: | :---: | :---: | :---: |
| Cost 01.01.11 | 386 | 30 | 416 |
| Additions | 31 | 1 | 32 |
| Reduction | -1 | - | -1 |
| Transferred from facilities under construction | 30 | -30 | - |
| Cost 31.12.11 | 445 | 1 | 447 |
| Accumulated depreciation and impairments 31.12.11 | -328 | - | -328 |
| Book value 31.12.11 | 117 | 1 | 118 |
| Depreciation for the year | -35 | - | -35 |
| Depreciation time | 3-8 years |  |  |


| NOK million | Registered office | Shareholding and voting share | Book value |
| :---: | :---: | :---: | :---: |
| Shares in subsidiaries |  |  |  |
| Bio Varme AS | Oslo | 98.45\% | 96 |
| Renewable Energies and Photovoltaics Spain S.L. | Malaga | 70.00\% | 4 |
| Småkraft AS | Oslo | 40.00\% | 292 |
| Statkraft Albania Shpk. | Tirana | 100.00\% | 8 |
| Statkraft Carbon Invest AS | Oslo | 100.00\% | 4 |
| Statkraft Development AS | Oslo | 100.00\% | 366 |
| Statkraft Elektrik Ltd. | Istanbul | 100.00\% | 4 |
| Statkraft Energi AS | Oslo | 100.00\% | 13573 |
| Statkraft Enerji A.S. | Istanbul | 100.00\% | 1467 |
| Statkraft Financial Energy AB | Stockholm | 100.00\% | - |
| Statkraft Forsikring AS | Oslo | 100.00\% | 80 |
| Statkraft France SAS | Lyon | 100.00\% | 87 |
| Statkraft Germany GmbH | Düsseldorf | 100.00\% | 3997 |
| Statkraft Industrial Holding AS | Oslo | 100.00\% | 10440 |
| Statkraft Leasing AB | Stockholm | 100.00\% | 182 |
| Statkraft Norfund Power Invest AS | Oslo | 60.00\% | 6094 |
| Statkraft SCA Vind AB | Stockholm | 60.00\% | 9 |
| Statkraft Suomi Oy | Kotka | 100.00\% | 911 |
| Statkraft Sverige AB | Stockholm | 100.00\% | 6053 |
| Statkraft Södra Vindkraft AB | Stockholm | 90.10\% | 238 |
| Statkraft Treasury Centre GBP SA | Brüssel | 100.00\% | - |
| Statkraft Treasury Centre NOK SA | Brüssel | 100.00\% | - |
| Statkraft Treasury Centre SA | Brüssel | 100.00\% | 52380 |
| Statkraft Treasury Centre SEK SA | Brüssel | 100.00\% | 1 |
| Statkraft UK Ltd. | London | 100.00\% | 1108 |
| Statkraft Värme AB | Kungsbacka | 100.00\% | 642 |
| Statkraft Western Balkans d.o.o. | Beograd | 100.00\% | 28 |
| Södra Statkraft Vindkraft Utveckling AB | Stockholm | 90.10\% |  |
| Wind Power Bulgaria EOOD | Sofia | 60.00\% | 12 |
| Total subsidiaries |  |  | 98076 |
| Associates and joint ventures |  |  |  |
| Devoll Hydropower SHA | Tirana | 50.00\% | 171 |
| HPC Ammerån AB | Stockholm | 50.00\% | - |
| HPC Byske AB | Stockholm | 50.00\% | - |
| HPC Edsox AB | Stockholm | 50.00\% | - |
| HPC Röan AB | Stockholm | 50.00\% | - |
| Naturkraft AS | Tysvær | 50.00\% | 76 |
| Statkraft Agder Energi Vind DA ${ }^{1)}$ | Kristiansand | 62.00\% | 216 |
| Total associates and joint ventures |  |  | 463 |

Total
${ }^{1)}$ A shareholder's agreement indicates joint control in Statkraft Agder Energi Vind DA.
$11 \Rightarrow$ OTHER NON-CURRENT FINANCIAL ASSETS

| NOK million | 2011 |  |
| :--- | ---: | ---: |
| Loans to Group companies | 10 | 2010 |
| Other shares and loans | 95 | 116 |
| Total | 105 |  |


| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Customer receivables | 9 | 11 |
| Interest-bearing restricted funds related to cash collateral (see note 17) | 396 | 171 |
| Other receivables | 92 | 68 |
| Group cash pooling receivable | 559 | 558 |
| Short-term receivables from group companies | 5548 | 8075 |
| Total | 6604 | 8883 |

As of 31 December 2011, no need to recognise a provision for bad debts had been identified.
Short-term receivables from Group companies comprise dividends and group contribution from subsidiaries, as well as intra-group receivables.

## $13 \Leftrightarrow$ CASH AND CASH EQUIVALENTS

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Cash and bank deposits | 3862 | 15984 |
| Certificates and promissory notes | 2199 | 1613 |
| Total | 6061 | 17597 |

Cash and bank deposits for 2011 include NOK 933 million (NOK 903 million) relating to cash collateral. Cash collateral represents payments made to/by counterparties as security for net unrealised gains/losses Statkraft has on interest rate swaps, interest rate/ currency swaps, and currency swaps.

Statkraft has long-term committed drawing facilities of up to NOK 12000 million and a bank overdraft of up to NOK 1000 million. Neither had been used as of 31 December 2011. Figures in parentheses apply to 2010.

14 EQUITY, SHARES AND SHAREHOLDER INFORMATION

|  | Paid-in capital |  |  | Retained earnings | $\begin{array}{r} \text { Total } \\ \text { equity } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Share capital | Share premium account | Other paid-in capital |  |  |
| Equity as of 31.12.09 | 20000 | 11553 | 16 | 16554 | 48123 |
| Capital increase | 10000 | 4000 | - | - | 14000 |
| Profit for 2010 |  |  |  | 5809 | 5809 |
| Estimate deviation pensions | - | - |  | 28 | 28 |
| Group contribution | - | - | - | -7 432 | -7432 |
| Equity as of 31.12.10 | 30000 | 15553 | 16 | 14958 | 60527 |
| Profit for 2011 | - | - |  | 1838 | 1838 |
| Estimate deviation pensions | - | - | - | -148 | -148 |
| Dividends | - | - | - | -4 900 | -4900 |
| Equity as of 31.12.11 | 30000 | 15553 | 16 | 11748 | 57318 |

The company has a share capital of NOK 30 billion, divided into 200 million shares with a par value of NOK 150.
All shares are owned by Statkraft SF.

## 15 PROVISIONS FOR LIABILITIES

| NOK million | 2011 |
| :--- | :---: |
| Pension commitments | 663 |
| Other provisions | 102 |
| Total | 765 |

Pension liabilities are described in further detail in Note 4.

## $16 \rightarrow$ INTEREST-BEARING LONG-TERM LIABILITIES

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Loan from Statkraft SF (back-to-back agreement) | 400 | 400 |
| Bond loans in the Norwegian market | 12907 | 13596 |
| Interest rate swaps and combined interest rate and currency swaps | 740 | 545 |
| Other loans raised in non-Norwegian markets | 14383 | 16907 |
| Total | 28430 | 31448 |

## 17 CURRENT INTEREST-BEARING LIABILITIES

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| First year's instalment of liabilities | 2900 | 327 |
| Group cash pooling liability | 13937 | 15276 |
| Certificate loans | - | 770 |
| Cash collateral (see Note 13) | 1330 | 1080 |
| Current liabilities to Group companies | 405 | 270 |
| Total | 18572 | 20723 |

## $18 \Rightarrow$ MARKET AND LIQUIDITY RISK ANALYSIS

## Specification of loans by currency

| NOK million | 2011 | 2010 |
| :---: | :---: | :---: |
| Loans in NOK | 14042 | 18190 |
| Loans in SEK | 2610 | 2607 |
| Loans in EUR | 14678 | 14748 |
| Interest rate swaps and combined interest rate and currency swaps | 740 | 483 |
| Total | 32070 | 36028 |

The specification includes long-term interest-bearing liabilities, as well as the first-year instalment on liabilities and certificate loans included within current interest-bearing liabilities.


The specification includes long-term interest-bearing liabilities, as well as the first-year instalment on liabilities and certificate loans included within current interest-bearing liabilities.

Repayment schedule

| NOK million | 2012 | 2013 | 2014 | 2015 | 2016 | After 2016 | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Loan from Statkraft SF (back-to-back agreement) | - | - | - | - |  | 400 | 400 |
| Bond loans in the Norwegian market | 700 | - | 3984 | 2145 | 4278 | 2500 | 13607 |
| Other loans raised in non-Norwegian markets | 2200 | 2324 | - | 3868 | - | 8931 | 17323 |
| Interest rate swaps and combined interest rate and currency swaps | 1 | -1 | 15 | 63 | 79 | 583 | 740 |
| Total | 2901 | 2323 | 3999 | 6076 | 4357 | 12414 | 32070 |

The specification includes long-term interest-bearing liabilities, as well as the first-year instalment on liabilities and certificate loans included within current interest-bearing liabilities.

## $19 \Rightarrow$ OTHER INTEREST-FREE LIABILITIES

| NOK million | 2011 | 2010 |
| :--- | ---: | ---: |
| Other interest-free liabilities | 455 | 549 |
| Tax withholding and employers' national insurance contribution owed | 25 | 24 |
| Current liabilities to Group companies | 5043 | 8843 |
| Total | 5523 | 9416 |

Current liabilities to Group companies primarily comprise the Group contribution to the parent company Statkraft SF amounting to NOK 4900 million. In 2010, the amount was NOK 6442 million.

## 20 OBLIGATIONS AND GUARANTEES

Statkraft AS has off-balance-sheet obligations and guarantees totalling NOK 12223 million. Of this, an amount of NOK 11633 million relates to parent company guarantees.

Statkraft leases an office building at Lilleakerveien 6 in Oslo. The lessor is Mustad Eiendom AS. Because of rental of a new building, the agreement has been renewed with 5 years to a total of 15 years from 1 January 2013, with an option to renew for a further ten years. The annual rent totals NOK 63.7 million. The new building to be rented is Lilleakerveien 4 in Oslo.

Statkraft trades in financial derivatives for various purposes. The accounting treatment adopted for these depends on their purpose as described in the accounting policies note.

Currency and interest rate agreements
Book value and fair value of interest rate and currency derivatives:

|  | 31.12.11 |  | 31.12.10 |  |
| :---: | :---: | :---: | :---: | :---: |
| NOK million | Book value | $\begin{array}{r} \text { Fair } \\ \text { value }^{1)} \end{array}$ | Book value | $\begin{array}{r} \text { Fair } \\ \text { value }{ }^{1)} \end{array}$ |
| Interest rate swaps | -740 | 825 | -483 | 503 |
| Combined interest rate and currency swaps | - | - | -62 | -65 |
| Currency futures contracts | 357 | 357 | 523 | 523 |
| Total | -383 | 1182 | -22 | 961 |

${ }^{1)}$ The fair value stated in the table does not include accrued interest.
Fair value is calculated on the basis of relevant market prices and forward curves, since the bulk of the derivatives are not traded on organised markets.

Interest rate derivatives, including the interest portion of combined interest rate and currency swaps, are used to manage the company's interest rate risk and are recognised as hedging instruments or at the lowest value principle, depending on whether the requirements for hedge accounting have been achieved. The fair value of interest rate derivatives classified as hedging (value hedging) is NOK -15 million as of 31 December 2011, while interest rate derivatives valued at the lowest value principle amount to NOK -660 million. The hedges expire during the period 2012-2022. Fair value of derivatives in cash flow hedging is not recognised in the balance sheet, and amounts to NOK -21 million.

The currency component of combined interest rate and currency swaps is recognised at the exchange rate in effect on the balance sheet date. The change in value recognised in the income statement is offset by a comparable change in value of underlying loans in the same currency.

Unrealised change in value of interest- and currency derivatives recognised in the income statement:

| NOK million | 2011 |
| :--- | ---: | ---: |
| Interest rate swaps | -257 |
| Combined interest rate and currency swaps | 40 |
| Currency futures contracts | -483 |
| Total | -166 |

## RELATED PARTIES

Statkraft AS owns shareholdings in a number of companies and earns dividends and group contributions through this. For further details, see Note 10.

Statkraft AS delivers services group-internally from centralised service centres, but has no revenue from external customers. In addition, the Company is lender in most of the Groups external loans and is owner of the cash pooling facility.

All group-internal transactions are conducted on market terms and conditions.
For information about wages to the corporate management and the board of directors who also are related parties, see Note 36 in the Group accounts.

# Auditor's Report 

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To the Annual Shareholders' Meeting of Statkraft AS

## [NDEPENDENT AUDITOR'S REPORT

## Report on the Financial Statements

We have audited the accompanying financial statements of Statkraft AS, which comprise the financial statements for the parent company and the financial statements for the group. The financial statements for the parent company comprise the balance sheet as at 31 December 2011, the income statement, and the statement of cash flow for the year then ended and a summary of significant accounting policies and other explanatory information. The financial statements for the group comprise the balance sheet as at 31 December 2011, the statement of comprehensive income, the statement of changes in equity, the statement of cash flow for the year then ended, and a summary of significant accounting policies and other explanatory information.

## The Board of Directors and the President and CEO's Responsibility for the Financial Statements

The Board of Directors and the President and CEO is responsible for the preparation and fair presentation of these financial statements in accordance with the Norwegian accounting act and accounting standards and practices generally accepted in Norway for the company accounts and in accordance with International Financial Reporting Standards as adopted by EU for the group accounts, and for such internal control as The Board of Directors and the President and CEO determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

## Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with laws, regulations, and auditing standards and practices generally accepted in Norway, including International Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

## Opinion on the financial statements for the parent company

In our opinion, the financial statements of the parent company are prepared in accordance with the law and regulations and give a true and fair view of the financial position of Statkraft AS as at 31 December 2011, and of its financial performance and its cash flows for the year then ended in accordance with the Norwegian accounting act and accounting standards and practices generally accepted in Norway.

Opinion on the financial statements for the group
In our opinion, the financial statements of the group are prepared in accordance with the law and regulations and give a true and fair view of the financial position of the group Statkraft AS as at 31 December 2011, and of its financial performance and its cash flows for the year then ended in accordance with International Financial Reporting Standards as adopted by EU.

## Report on Other Legal and Regulatory Requirements

Opinion on the Board of Directors' report and the allocation of the net profit
Based on our audit of the financial statements as described above, it is our opinion that the information concerning the financial statements presented in the Board of Directors report and in the statement of corporate governance principles and practices, the going concern assumption, and the proposal for the allocation of the net profit complies with the law and regulations and that the information in the Board of Directors report is consistent with the financial statements.

Opinion on Registration and Documentation
Based on our audit of the financial statements as described above, and control procedures we have considered necessary in accordance with the International Standard on Assurance Engagements (ISAE) 3000, «Assurance Engagements Other than Audits or Reviews of Historical Financial Information⿻, it is our opinion that the company's management has fulfilled its duty to produce a proper and clearly set out registration and documentation of the company's accounting information in accordance with the law and bookkeeping standards and practices generally accepted in Norway,

Oslo, 14 March 2012
Deloitte AS


Ingebret G. Hisdal
State Authorised Public Accountant (Norway)

THE CORPORATE RESPONSIBILITY STATEMENT

Statkraft's corporate responsibility statement will provide a true and balanced description of the company's performance in relation to corporate responsibility. In order to achieve sound and systematic reporting, guidelines have been prepared which describe the Group's corporate responsibility reporting, and all relevant units report activities and performance in accordance with these guidelines.

The corporate responsibility reporting mainly follows the Group's accounting principles for treatment of subsidiaries, jointly owned power plants and associates. Data are collected from all companies where Statkraft is the majority owner, and these are included in the statement in their entirety.

The main principle is that the presented sustainability data should cover the entire Group, but this has not been possible for some indicators. These instances are explained in the note to the respective indicators. The notes also clarify some terms, explain major, year-on-year changes and describe any changes in calculation methods.

## Corporate responsibility statement

| Installed capacity ${ }^{\text {a }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Installed capacity | MW | 16430 | 16010 | 15806 |
| Of which hydropower | MW | 13249 | 12969 | 12774 |
| Of which small-scale hydropower ${ }^{\text {b }}$ | MW | 94 | 79 | 63 |
| Of which wind power | MW | 321 | 304 | 305 |
| Of which gas power ${ }^{\text {c }}$ | MW | 2178 | 2178 | 2160 |
| Of which solar power | MW | - | - | 3 |
| Of which bio power | MW | 16 | 16 | 16 |
| Of which district heating | MW | 666 | 544 | 548 |
| Geographical distribution |  |  |  |  |
| Norway | MW | 11556 | 11334 | 11337 |
| Other Nordic countries | MW | 1575 | 1547 | 1547 |
| Other European countries | MW | 2288 | 2308 | 2273 |
| Rest of the world | MW | 1010 | 822 | 649 |
| Installed capacity ${ }^{\text {a }}$, distribution | Unit of measurement | 2011 | 2010 | 2009 |
| Installed capacity per technology |  |  |  |  |
| Hydropower | \% | 80.6 | 81.0 | 80.8 |
| Wind power | \% | 2.0 | 1.9 | 1.9 |
| Gas power ${ }^{\text {c }}$ | \% | 13.3 | 13.6 | 13.7 |
| Bio power | \% | 0.1 | 0.1 | 0.1 |
| District heating | \% | 4.1 | 3.4 | 3.5 |
| Installed capacity per geography |  |  |  |  |
| Norway | \% | 70.3 | 70.8 | 71.7 |
| Other Nordic countries | \% | 9.6 | 9.7 | 9.8 |
| Other European countries | \% | 13.9 | 14.4 | 14.4 |
| Rest of the world | \% | 6.1 | 5.1 | 4.1 |
| Capacity under development ${ }^{\text {a,d }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| Capacity under development | MW | 1923 | - | - |
| Of which hydropower | MW | 1037 | - | - |
| Of which small-scale hydropower ${ }^{\text {b }}$ | MW | 28 | - | - |
| Of which wind power | MW | 344 | - | - |
| Of which gas power ${ }^{\text {c }}$ | MW | 430 | - | - |
| Of which district heating | MW | 112 | - | - |
| Geographical distribution |  |  |  |  |
| Norway | MW | 176 | - | - |
| Other Nordic countries | MW | 209 | - | - |
| Other European countries | MW | 1357 | - | - |
| Rest of the world | MW | 181 | - | - |


| Capacity under development ${ }^{\text {a, d }}$, distribution | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Capacity under development per technology |  |  |  |  |
| Hydropower | \% | 53.9 | - |  |
| Wind power | \% | 17.9 | - | - |
| Gas power ${ }^{\text {c }}$ | \% | 22.4 | - |  |
| District heating | \% | 5.8 | - | - |
| Capacity under development per geography |  |  |  |  |
| Norway | \% | 9.1 | - | - |
| Other Nordic countries | \% | 10.9 | - | - |
| Other European countries | \% | 70.6 | - | - |
| Rest of the world | \% | 9.4 | - | - |
| Power generation and district heating production ${ }^{\text {a }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| Power production, actual | TWh | 51.5 | 57.4 | 56.9 |
| Of which hydropower | TWh | 46.0 | 50.1 | 50.1 |
| Of which small-scale hydropower ${ }^{\text {b }}$ | TWh | 0.3 | 0.1 | 0.1 |
| Of which wind power | TWh | 0.8 | 0.6 | 0.6 |
| Of which gas power ${ }^{\text {c }}$ | TWh | 4.6 | 6.6 | 6.1 |
| Of which bio power | TWh | 0.1 | 0.1 | 0.1 |
| District heating | TWh | 0.8 | 1.1 | 0.9 |
| Renewable productione | \% | 90.8 | 88.1 | 89.1 |
| Geographical distribution, power generation |  |  |  |  |
| Norway | TWh | 38.8 | 44.0 | - |
| Other Nordic countries | TWh | 6.0 | 5.7 | - |
| Other European countries | TWh | 4.3 | 5.7 | - |
| Rest of the world | TWh | 2.3 | 1.9 | - |


| Power generation and district heating production ${ }^{\text {a }}$, distribution | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Power generation and district heating production per technology |  |  |  |  |
| Hydropower | \% | 88.0 | 85.6 | 86.7 |
| Wind power | \% | 1.5 | 1.1 | 1.0 |
| Gas power ${ }^{\text {c }}$ | \% | 8.8 | 11.3 | 10.6 |
| Bio power | \% | 0.2 | 0.2 | 0.2 |
| District heating | \% | 1.5 | 1.9 | 1.6 |
| Power generation per geography |  |  |  |  |
| Norway | \% | 75.5 | 76.8 |  |
| Other Nordic countries | \% | 11.7 | 9.9 |  |
| Other European countries | \% | 8.4 | 9.9 |  |
| Rest of the world | \% | 4.5 | 3.3 |  |
| Efficiency of thermal plants ${ }^{\text {f }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| Gas power plants | \% | 39-57 | - |  |
| District heating plants | \% | 80-100 | - |  |
| Bio power plants | \% | 30-31 | - |  |

a Includes Statkraft's shareholdings in subsidiaries where Statkraft has a major interest.
b Installed capacity <10 MW.
c Includes the jointly controlled Herdecke (Germany) and Kårstø (Norway) power plants
${ }^{d}$ Includes projects with an investment decision.
e Non-renewable production covers gas power and share of district heating based on fossil fuel.
f Ratio of net energy output (electricity and heat) against gross energy input (per plant).

## CLIMATE

| eenhouse gas emissions | of measurem | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Emissions of $\mathrm{CO}_{2}$ equivalents, consolidated activities | Tonnes | 1161900 | 1693400 | 1600100 |
| Of which from gas power plants | Tonnes | 1068900 | 1568000 | 1516500 |
| Of which from district heating plants ${ }^{\text {a }}$ | Tonnes | 81000 | 115200 | 74200 |
| Of which from $\mathrm{SF}_{6}$ emissions | Tonnes | 600 | 2200 | 2400 |
| Of which from halon emissions | Tonnes | 0 | 0 | 1300 |
| Of which from fuel consumption ${ }^{\text {b }}$ | Tonnes | 8400 | 4300 | 1500 |
| Of which from business travel ${ }^{\text {d }}$ | Tonnes | 3000 | 3700 | 4200 |
| Emissions of $\mathrm{CO}_{2}$ equivalents ${ }^{\mathrm{f}}$, associated gas power plants | Tonnes | 626100 | - |  |
| $\mathrm{SF}_{6}$ emissions | kg | 25 | 94 | 105 |
| Halon emissions | kg | 0 | 0 | 183 |

Halon emissions
a Fossil share of emissions
${ }^{\text {b }} \mathrm{CO}_{2}$ from fuel consumption from the Group's equipment and machinery
c SN Power and Skagerak Energi is not included.
${ }^{\text {d }}$ Comprises air travel and mileage reimbursements for private vehicle use in the Norwegian operations. From 2010 is also car rental included.
e SN Power is not included.
f Statkraft's share.

The GHG-protocol (from the World Business Council for Sustainable Development and World Resources Institute) divides greenhouse gas emissions into three types. Type 1 emissions are direct emissions from own activities. Type 2 emissions are indirect emissions from purchased electricity and district heating, while Type 3 emissions are other emissions. All the emissions in the table above are Type 1, except for business travel, which falls under Type 3. The electricity consumption in Statkraft is guaranteed renewable, resulting in zero Type 2 emissions. For 2011, the Group's Type 1 emissions totalled 1158900 tonnes, while the Type 3 emissions totalled 3000 tonnes.

Relative greenhouse gas emissions ${ }^{\text {a }}$
CO2-equivalent emissions per production unit total
$\mathrm{CO}_{2}$-equivalent emissions per production unit, gas power
$\mathrm{CO}_{2}$-equivalent emissions per production unit,
district heating
${ }^{\text {a }}$ Includes Statkraft's share of production and direct fossil $\mathrm{CO}_{2}$ emissions from the production process. Includes also Statkraft's share of production and emissions of $\mathrm{CO}_{2}$ in the jointly controlled Herdecke (Germany) and Kårstø (Norway) power plants.

| Allocated $\mathrm{CO}_{2}$-quotas | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Allocated $\mathrm{CO}_{2}$-quotas, consolidated activities | Tonnes | 2001000 | 2001000 | 2001000 |
| Of which Norway | Tonnes | 19300 | 19300 | 19300 |
| Of which other Nordic countries | Tonnes | 0 | 0 | 0 |
| Of which other European countries | Tonnes | 1981700 | 1981700 | 1981700 |
| Of which rest of the world | Tonnes | 0 | 0 | 0 |
| Allocated $\mathrm{CO}_{2}$-quotas, associated activities (Statkraft's share) | Tonnes | 643200 | 643200 |  |
| Of which Norway | Tonnes | 161700 | 161700 |  |
| Of which other Nordic countries | Tonnes | 0 | 0 |  |
| Of which other European countries | Tonnes | 481500 | 481500 |  |
| Of which rest of the world | Tonnes |  | 0 |  |

INTERVENTIONS ON NATURE AND BIODIVERSITY

| Impacts ${ }^{\text {a }}$ on watercourses | Unit of measurement | $2011^{\text {c }}$ | $2010^{\text {b }}$ |
| :--- | :--- | ---: | ---: |
| Affected river courses with: |  |  |  |
| Anadromous fish | Number | 45 | 38 |
| Catadromous fish | Number | 1 | 38 |
| Affected national salmon rivers | Number | 12 | - |
| Affected protected rivers | Number | 12 | 12 |
| a 12 |  |  |  |

a Impact entails change of waterflow, water levels or other living conditions for fish.
${ }^{b}$ Include only Norwegian watercourses.
c SN Power is not included

| Fish cultivation $^{\text {a }}$ | Unit of measurement | 2011 | 2010 |  |
| :--- | :--- | ---: | ---: | ---: |
| Restocking of fish and smolt ${ }^{\text {b }}$ | Number | 935000 | 872000 | 957000 |
| Egg planting | Number | 1301000 | 1731000 | 1981000 |

a Includes Norwegian and Swedish watercouses. Wales included from 2010
b Includes salmon, sea trout, inland trout and char

| Red list species ${ }^{\text {a }}$ | Unit of measurement | 2011 ${ }^{\text {b }}$ | 2010 |
| :--- | :--- | :---: | :---: |
| Red list species in areas where Statkraft has activities | Number | 40 | - |

Red list species in areas where Statkraft has activities Number
${ }^{\text {a }}$ Red list species as defined by IUCN or national nature protection authorities
${ }^{\text {b }}$ Registered red list species includes Skagerak Energi and SN Power.

| Distribution grid and cables | Unit of measurement | $2011^{\text {a }}$ | 2010 |
| :--- | :--- | ---: | ---: |
| Overhead lines |  |  | 2009 |
| High voltage $(\geq 1 \mathrm{kV})$ | km | 3400 | 400 |
| Low voltage $(<1 \mathrm{kV})$ | km | 4100 | 4200 |
| Underground and undersea cables | km | 10500 | $10300^{\text {b }}$ |
| District heating main | km | 584 | 14100 |

a SN Power is not includ
${ }^{\text {b }}$ Reductions from 2009 mainly due to the divestment of Trondheim Energi Nett

ENERGY AND RESOURCE CONSUMPTION

| Consumption | Unit of measurement | $2011{ }^{\text {a }}$ | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Electricity | GWh | 1150 | 737 | 1093 |
| Of which pumped-storage power | GWh | 885 | 554 | 856 |
| Of which electric boilers for district heating | GWh | 37 | 41 | 52 |
| Of which other operations | GWh | 227 | 142 | 185 |
| Of which certified renewable (RECS) | \% | 100 | 100 | 100 |
| Energy loss, transformer stations and power lines | GWh | $411{ }^{\text {b }}$ | 867 | 829 a |
| Fossil fuel |  |  |  |  |
| Natural gas, gas-fired power plants | Million $\mathrm{Nm}^{3}$ | 519 | 896 | 741 |
| Fuel gas, district heating plants | Tonnes | 6408 | 12161 | 7582 |
| Fuel oil | Tonnes | 5430 | 14282 | 5248 |
| Engine fuel ${ }^{\text {c }}$ | Tonnes | 2651 | 1377 | 465 d |
| Other fuel |  |  |  |  |
| Waste for district heating plants | Tonnes | 199100 | 165500 | 174500 |
| Waste for bio power plants | Tonnes | 245900 | 301400 | - |
| Bio fuel | Tonnes | 124400 | 154700 | 143100 |
| Water ${ }^{\text {e }}$ | $\mathrm{m}^{3}$ | 2907600 | - | - |

a SN Power is not included.
b Does not include Statkraft's business area Generation.
c Includes consumption of fuel for own equipment and machinery.
d SN Power and Skagerak Energi is not included.
e Includes process water (cooling water) in gas fired power plants, bio power plants and district heating plants.

| Inventories | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| PCB in transformer oils and condensers | kg | $0^{\text {a }}$ | 28 | 25 |
| SF6 | kg | $29915{ }^{\text {a }}$ | 29636 | $30837{ }^{\text {a }}$ |
| Halon | kg | $2126{ }^{\text {a }}$ | 2126 | 1226 |

a SN Power is not included.
Statkraft has been temporarily exempted from the requirements to phase out halon as an explosion suppression medium in transformer rooms. Statkraft Energi AS is currently undertaking tests in order to replace halon with FE-36. A new plan for phasing out the use of halon will subsequently be developed.

AIR POLLUTION

| Emissions to air | Unit of measurement | 2011 | 2009 |
| :--- | :--- | ---: | ---: | ---: |
| $\mathrm{SO}_{2}$ from district heating plants | Tonnes | 37 | 48 |
| $\mathrm{NO}_{x}$ | Tonnes | 1020 | 1803 |
| Of which from gas power plants | Tonnes | 615 | 1473 |
| Of which from district heating plants | Tonnes | 288 | 32 |
| Of which from bio power plants | Tonnes | 117 | 320 |

WASTE

| Waste | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Hazardous waste | Tonnes | 96743 | 84257 | $39663{ }^{\text {a }}$ |
| Of which from waste incineration ${ }^{\text {b }}$ | Tonnes | 64773 | 38014 | 39355 |
| Of which from bio power plants | Tonnes | 31681 | 45800 | - |
| Of which other hazardous waste | Tonnes | 289 | 443 | 308 |
| Other waste | Tonnes | 7727 | 9006 | $4598{ }^{\text {a }}$ |
| Of which separated | Tonnes | 3895 | - | - |
| Of which residual non-hazardous waste | Tonnes | 3833 | - |  |

a SN Power and the regions Sweden and Germany in the Production business area are not included.
${ }^{\text {b }}$ Consists of slag, filter dust and filter cake.

## ENVIRONMENTAL NON-COMPLIANCE

| Environmental incidents and issues | Unit of measurement | 2011 | 2010 | 0 |
| :--- | :--- | ---: | ---: | ---: |
| Serious environmental incidents | Number | 0 | 0 |  |
| Less serious environmental incidents | Number | 185 | 92 | 118 |
| Undesirable environmental conditions | Number | 166 | 50 |  |

a Customers business area is not included.

## Definitions:

Serious environmental incidents: An incident (something that has occurred) that causes significant negative environmental impact. Less serious environmental incident: An incident (something that has occurred) that does not cause significant environmental impact. Undesired environmental situation: A situation discovered (something that has not yet occurred) that poses a high or low risk to the environment and/or the Group's reputation.

Most of the less serious environmental incidents concern short-term breaches of the river management regulations, minor oil spills and non-compliance related to waste management. These incidents had little or no environmental impact.

| Penal sanctions, environment | Unit of measurement | 2011 | 2010 |
| :--- | :--- | :--- | :--- |
| Penal sanctions for non-compliance |  |  |  |
| with environmental legislation | Number | 0 | 0 |
| Fines | NOK million | 0 | 0 |

## CONTRIBUTION TO SOCIETY

| Value creation | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Gross operating revenues | NOK million | 22371 | 29252 | 25675 |
| Unrealised changes in the value of energy contracts | NOK million | -1 098 | 193 | -2 813 |
| Paid to suppliers for goods and services ${ }^{\text {a }}$ | NOK million | 7493 | 9868 | 9409 |
| Gross value added | NOK million | 13780 | 19577 | 13453 |
| Depreciation and amortisation | NOK million | 3564 | 3205 | 2743 |
| Net value added | NOK million | 10216 | 16372 | 10710 |
| Financial income | NOK million | 2015 | 2060 | 2060 |
| Unrealised changes in value currency and interest rates | NOK million | -4 024 | -1 369 | 5977 |
| Share of profit from associates | NOK million | 898 | 766 | 1179 |
| Minority interests | NOK million | 264 | 357 | 184 |
| Values for distribution | NOK million | 8841 | 17472 | 19743 |
| ${ }^{\text {a }}$ Includes energy purchases, transmission costs and operating expenses. |  |  |  |  |
| Distribution of value created | Unit of measurement | 2011 | 2010 | 2009 |
| Employees |  |  |  |  |
| Gross salaries and benefits | NOK million | 2453 | 2092 | 2253 |
| Lenders/owners |  |  |  |  |
| Interest | NOK million | 1630 | 1607 | 3756 |
| Dividend ${ }^{\text {a }}$ | NOK million | 4288 | 5973 | 3740 |
| Taxes ${ }^{\text {b }}$ | NOK million | 4987 | 6679 | 6202 |
| The company |  |  |  |  |
| Change in equity | NOK million | -4517 | 1121 | 3792 |
| Total wealth distributed | NOK million | 8841 | 17472 | 19743 |

a Includes dividend and Group contribution from Statkraft AS to Statkraft SF, and minority interest.
${ }^{\mathrm{b}}$ Includes taxes, property tax, licence fees and employers' contribution.

| Taxes ${ }^{\text {a }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Total | NOK million | 3396 | 3458 | 2372 |
| Of which Norway | NOK million | 2706 | 3016 | 2215 |
| Of which in other Nordic countries | NOK million | 424 | 378 | 139 |
| Of which in other European countries | NOK million | 219 | 62 | 18 |
| Of which in the rest of the world | NOK million | 47 | 2 | 0 |
| a Taxes payable in the balance sheet. |  |  |  |  |
| Tax contribution ${ }^{\text {a }}$ to Norwegian municipalities | Unit of measurement | 2011 | 2010 | 2009 |
| Total | NOK million | 1411.4 | 1349.3 | 1315.0 |
| Total, the ten municipalities which receive the most | NOK million | 673.3 | 659.5 | 664.3 |
| Vinje | NOK million | 95.9 | 96.5 | 96.5 |
| Hemnes | NOK million | 89.9 | 90.3 | 90.7 |
| Suldal | NOK million | 83.0 | 86.7 | 85.9 |
| Rana | NOK million | 75.8 | 77.0 | 78.4 |
| Odda | NOK million | 63.9 | - |  |
| Eidfjord | NOK million | 57.6 | 56.4 | 56.2 |
| Meløy | NOK million | 57.0 | 56.3 | 55.4 |
| Tokke | NOK million | 55.8 | 56.5 | 55.7 |
| Nore og Uvdal | NOK million | 47.4 | 47.7 | 46.0 |
| Luster | NOK million | 46.9 | 47.5 | 47.0 |
| Narvik | NOK million | - | 44.5 |  |
| Sirdal | NOK million | - | - | 52.6 |
| ${ }^{\text {a }}$ Includes property tax, natural resource tax and licence fees paid directly to the local authorities. |  |  |  |  |
| Industrial and concessionary power contracts | Unit of measurement | 2011 | 2010 | 2009 |
| Statutory-priced industrial contracts |  |  |  |  |
| Volume sold | TWh | 1.0 | 7.9 | 8.8 |
| Value lost | NOK million | - | -2 643 | -981 |
| Concessionary fixed-price contracts |  |  |  |  |
| Volume sold | TWh | 2.9 | 2.2 | 2.7 |
| Value lost | NOK million | - | -978 | -581 |

The value lost on statutory-priced and concessionary fixed-price contracts is defined as the estimated loss on politically determined contracts compared with the spot price.

| Support schemes | Unit of measurement | 2011 | 2010 |  |
| :--- | :--- | ---: | ---: | ---: |
| Sponsorships | NOK million | 27.34 | 24.23 | 26.62 |
| Donations to associations and organisations | NOK million | 1.61 | 5.02 | 6.16 |
| The Statkraft Fund | NOK million | 5.0 | 5.0 | 5.0 |

In 2011, the Statkraft Fund was awarded to Kirkens Nødhjelp (NOK 1.5 million), the Ny-Ålesund Symposium on Svalbard (NOK 1.0 million), Renewable World (NOK 1.0 million), Norsk Folkehjelp (NOK 1.0 million), Grane Næringsutvikling (NOK 375 000), and Energiråd Innlandet (NOK 125 000).

| Procurements of goods and services | Unit of measurement | 2011 | 2010 | 2009 |
| :--- | :--- | :--- | ---: | ---: |
| Suppliers | Number | 8000 | 7200 | 7900 |
| Procurements | NOK million | 6200 | 5000 | 4800 |

$\rightarrow$ CUSTOMERS AND ACCESS TO ELECTRICITY

| Customers | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Retail customers | Number | 408000 | 400000 | 397000 |
| Distribution grid customers | Number | 181000 | 181000 | 275000 |
| District heating customers | Number | 12000 | 11000 | 10000 |
| Power outage | Unit of measurement | 2011 | 2010 | 2009 |
| Power outage frequency (SAIFI) ${ }^{\text {a }}$ | Index | 1,14 |  |  |
| Average power outage duration (SAIDI) ${ }^{\text {b }}$ | Index | 1,55 | - |  |

a SAIFI (System average interruption frequency index), measured in units of interruptions per customer during the reporting period.
b SAIDI (System average interruption duration index), measured in units of time and over the course of the reporting period.
$\Rightarrow$ BRAND

| Reputation Statkraft | Unit of measurement | Target | 2011 | 2010 | 56 |
| :--- | :--- | ---: | ---: | ---: | ---: |
| General public | $\%$ | 55 | 54 | 63 |  |
| Professionals ${ }^{\text {a, } \mathrm{b}}$ | $\%$ | 75 | 89 | 91 | 91 |

a Percentage of people who have a very good or fairly good overall impression of the company. Source: Synovate
b Professionals include local authority chairmen and councillors, national politicians, employes in public administration, finance and specialist environments and the media.

| Customer satisfaction $^{\text {a }}$ | Unit of measurement | 2011 | 2010 |  |
| :--- | :--- | ---: | ---: | ---: |
| Trondheim Energi Kraftsalg | Scale 0-100 | 59 | - | 609 |
| Fjordkraft | Scale 0-100 | 66 | 68 |  |
| a Sation |  | 64 |  |  |

a Satisfaction score in the Norwegian Customer Barometer survey. Source: BI Norwegian School of Management.
$\rightarrow$ ETHICS

| Whistle-blower cases | Unit of measurement | 2011 | 2010 |  |
| :--- | :--- | ---: | ---: | ---: |
| Registered whistle-blower cases ${ }^{\text {a }}$ | Number | 0 | 2 |  |
| a Whistle-blower cases reported to Statkraft Internal Audit |  |  |  |  |
|  |  |  |  |  |
| Penal sanctions, ethics a | Unit of measurement | 2011 | 2010 |  |
| Penal sanctions for non-compliance with legislation (ethics) | Number | 0 | 0 | 0 |
| Fines | NOK million | 0 | 0 | 0 |
| a Penal sanctions imposed for breaches of laws and resulations related to accounting fraud price cooperation corruption and discrimination |  |  |  |  |

a Penal sanctions imposed for breaches of laws and regulations related to accounting fraud, price cooperation, corruption and discrimination.
$\rightarrow$ EMPLOYEES

| Employees | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Full-time equivalents 31.12 | Number | 3358 | 3301 | 3378 |
| Of which in Norway | Number | 2232 | 2365 | 2441 |
| Of which in other Nordic countries | Number | 177 | 123 | 99 |
| Of which in other European countries | Number | 506 | 442 | 409 |
| Of which in the rest of the world | Number | 443 | 371 | 429 |
| Percentage of full-time employees 31.12 | \% | 97 | 97 | 96 |
| Staff turnover rate ${ }^{\text {a }}$ | \% | 6.8 | 3.9 | 2.3 |
| Service time |  |  |  |  |
| Average service time | Years | 10.7 | 8.5 | 12 |
| Average service time for employees resigned or dismissed | Years | 8.3 | - |  |
| Apprentices employed 31.12 | Number | 79 | 79 | 93 |
| Trainees employed 31.12 | Number | 22 | 26 | 29 |

a Excluding retirements.

| Gender equality | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Percentage of women |  |  |  |  |
| Total | \% | 23 | 23 | 22 |
| In Norway | \% | 25 | 25 | 25 |
| In other Nordic countries | \% | 15 | 19 | 19 |
| In other European countries | \% | 20 | 20 | 18 |
| In the rest of the world | \% | 20 | 18 | 15 |
| In management positions | \% | 20 | 22 | 23 a |
| In Norway | \% | 24 | - | - |
| In other Nordic countries | \% | 3 | - | - |
| In other European countries | \% | 15 | - |  |
| In the rest of the world | \% | 14 |  | - |
| In Group management | \% | 14 | 14 | 0 |
| In the Statkraft Board of Directors | \% | 44 | 44 | 44 |
| New employees | \% | 23 | 27 | $30^{\text {a }}$ |
| New managers | \% | 16 | 15 | $23{ }^{\text {a }}$ |
| Full-time employees | \% | 20 | 22 | $22^{\text {a }}$ |
| Part-time employees | \% | 69 | 75 | $64{ }^{\text {a }}$ |
| a SN Power is not included. |  |  |  |  |
| Equal salaries ${ }^{\text {a }}$ | Unit of measurement | 2011 | 2010 | 2009 |
| Equal salaries, employees | Ratio | 0.85 | $0.93{ }^{\text {b }}$ | 0.94 |
| In Norway | Ratio | 0.92 | - | - |
| In other Nordic countries | Ratio | 0.95 | - | - |
| In other European countries | Ratio | 0.76 | - | - |
| In the rest of the world | Ratio | 0.56 | - | - |
| Equal salaries, managers | Ratio | 0.90 | $0.89{ }^{\text {b }}$ | 0.92 |
| In Norway | Ratio | 0.93 | - | - |
| In other Nordic countries | Ratio | 0.84 | - | - |
| In other European countries | Ratio | 0.75 | - | - |
| In the rest of the world | Ratio | 1.14 | - | - |
| a Average salary for women in relation to average for men. <br> ${ }^{\text {b }}$ Includes only employees in Norway. |  |  |  |  |
|  |  |  |  |  |
| Statkraft as employer | Unit of measurement | 2011 | 2010 | 2009 |
| Organisation and leadership evaluation ${ }^{\text {a }}$ |  |  |  |  |
| Result | Scale of 1 to 5 , where 5 is best | 72 | -b | $4.1{ }^{\text {c }}$ |
| Response rate | \% | 83 | -b | $91^{\text {c }}$ |
| Employees fulfilled the performance |  |  |  |  |
| and career development review | \% | 81 | -b | 89 |
| Ranking as preferred employer ${ }^{\text {d }}$ among |  |  |  |  |
| Business students | Ranking | 30 | 17 | 25 |
| Technology students | Ranking | 7 | 5 | 5 |
| Business professionals | Ranking | 12 | 14 | 17 |
| Technology professionals | Ranking | 6 | 9 | 11 |
| a Statkraft's internal annual organisation and leadership evaluation survey. The results for 2011 is not comparable to the 2009 results, but can be directly compared to European Employee Index 2011 (63) and European Employee Index Norway 2011 (69). <br> ${ }^{\text {b }}$ No Group survey performed in 2010. <br> c Fjordkraft is not included. <br> ${ }^{d}$ Ranking among final-year students and professionals, as defined and measured in the annual Universum Graduate Survey for Norway and the Universum Professional Survey for Norway respectively. |  |  |  |  |
| Variable salary scheme (Norwegian business) | Unit of measurement | $2011{ }^{\text {b }}$ | 2010 | 2009 |
| Collective variable salaries ${ }^{\text {a }}$ | NOK million | 48,0 | 51.5 | 43.7 |
| Share of employees included in the scheeme | \% | 92 | - | - |
| Individual variable salaries | NOK million | 20,0 | $20.8{ }^{\text {c }}$ | $19.5{ }^{\text {d }}$ |
| Share of employees included in the scheme | \% | 55 | - | - |

a Variable schemes in the various companies.
b Germany and the Netherlands are not included.
c Includes schemes in the parent company and SN Power.
${ }^{\text {d }}$ Includes schemes in the parent company, SN Power and Trondheim Energi.

HEALTH AND SAFETY

| Fatalities | Unit of measurement | 2011 | 2010 |
| :--- | :--- | :--- | :--- |
| Consolidated operations |  |  |  |
| Employees | Number | 0 | 0 |
| Contractors | Number | 1 | 0 |
| Third party | Number | 0 | 0 |
| Associates |  |  | 0 |
| Employees | Number | 1 | 1 |
| Contractors | Number | 3 | 0 |
| Third party | Number | 0 | 1 |

In 2011, four contractors and one employee died in connection with Statkraft's activities, of which one contractor in consolidated operations. In consolidated operations the fatality occurred in the development project in Kargi, Turkey. In associated operations three contractors died in the expansion project at Theun Hinboun (THXP) in Laos and one employee in the Istad Group in Norway.

| Injuries | Unit of measurement | 2011 | 2010 | 2009 |
| :---: | :---: | :---: | :---: | :---: |
| Employees |  |  |  |  |
| Lost-time injuries a | Number | 62 | 23 | 24 |
| LTI | Lost-time injuries per million hours worked | 4.5 | 3.4 | 3.8 |
| Injuries ${ }^{\text {b }}$ | Number | 137 | 46 | 53 |
| TRI | Total recordable injuries per million hours worked | 10.0 | 6.8 | 8.4 |
| Lost days ${ }^{\text {c }}$ | Number | 907 | 216 | 229 |
| Lost-days rate | Lost days per million hours worked | 66 | 32 | 36 |
| Contractors |  |  |  |  |
| Lost-time injuries a | Number | 79 | 29 | 19 |
| LTI | Lost-time injuries per million hours worked | 3.4 | 13.6 | - |
| Injuries ${ }^{\text {b }}$ | Number | 143 | 35 |  |
| TRI | Total recordable injuries per million hours worked | 6.2 | 16.4 | - |
| Lost days ${ }^{\text {c }}$ | Number | 228 | 245 | - |
| Lost-days rate | Lost days per million hours worked | 10 | 115 | - |
| Third parties |  |  |  |  |
| Serious injuries ${ }^{\text {d }}$ | Number | 0 | 0 | 1 |

a Work-related injuries which have resulted in absence extending beyond the day of the injury.
b Work-related injuries, with and without absence. Includes injuries which resulted in absence, medical treatment or need for alternative work assignments.
c Number of days of recorded absence due to injuries.
${ }^{d}$ Recorded injuries requiring treatment by a doctor.
Data for 2011 include activities where Statkraft has > 20\% ownership. Thus, results can not be directly compared with data for prior years where activities where Statkraft has $>50 \%$ ownership has been included. The reason for the decline in injury rates for contractors from 2010 to 2011 is believed to be both a good injury prevention work and a more complete reporting of the numbers of hours worked.

| ${\text { Hazardous conditions }{ }^{\text {a }} \text { and near-misses }{ }^{\text {b }}}^{\text {b }}$ Unit of measurement | 2011 | 2010 | $2009^{\mathrm{c}}$ |
| :--- | :--- | ---: | ---: | ---: |
| Hazardous conditions | Number | 6125 | 4853 |
| Near-misses | Number | 365 | 114 |

a Recorded matters involving personal safety risk. 2008 also include conditions without risk of personal injury.
${ }^{b}$ Recorded unforeseen incidents that could have resulted in personal injuries.
c Fjordkraft is not included.
d The figure includes both hazardous conditions and near-misses.
Data for 2011 include activities where Statkraft has > 20\% ownership. Thus, results can not be directly compared with data for prior years where activities where Statkraft has $>50 \%$ ownership has been included.

| Incident investigations a | Unit of measurement | 2011 | 2010 |
| :--- | :--- | ---: | ---: | ---: |
| Incident investigations on fatalities and injuries <br> Incident investigations on hazardous | Number | 72 | - |
| conditions and near-misses | Number | 9 | - | 9

${ }^{a}$ A systematic investigation on an incident with respect to facts, causes and corrective actions. Includes incidents
Data for 2011 include activities where Statkraft has > 20\% ownership.

| Sickness absence | Unit of measurement | 2011 | 2010 |  |
| :--- | :--- | ---: | ---: | ---: |
| Total | $\%$ | 3.4 | 3.4 | 2009 |
| Of which short-term absence (16 days or less) | $\%$ | 1.5 | 1.8 |  |
| Of which long-term absence (more than 16 days) | $\%$ | 1.9 | 1.6 |  |
|  |  |  |  |  |
| Penal sanctions, health and safety | Unit of measurement | 2011 | 2010 |  |
| Penal sanctions for non-compliance with | Number | 0 | 2.6 |  |
| health and safety legislation | NOK million | 0 | 0 |  |
| Fines |  | 0 | 0 |  |

## Auditor's Statement

## Deloitte.

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## Independent Auditor's Report on the Statkraft Corporate Responsibility Report 2011

## To the management of Statkraft AS

We have reviewed certain aspects of Statkraff Copporate Responsibility Report 2011 ('The Report") and related management systems and procedures. The Report is part of the Statkraft Annual Report 2015 on the Internet (sww ammahergor(20) L stathaft oom). The Report includes the Corporate Responsibility Statement published also in the printed version of the annual report. The Report is the responsibility of and has been approved by the management of Statkraft AS ("the Company"). Our responsibility is to draw a conclusion based on our review.
We have based our work on emerging best practice and standards for independent assurance on corporate responsibility, including ISAE 3000, issued by the International Auditing and Assurance Standards Board as well as on the principles of AAIO00 Assuranee Standard issued by AccountAbility. The objective and scope of the engagement were agreed with the management of the Company and included in the subject matters on which we provide our conclusions below.
Based on an assessment of materiality and risks, our work included analytical procedures and interviews as well as a review on a sample basis of evidence supporting the subject matters. We have performed interviews with management responsible for corporate responsibility aspects at corporate and at selected reporting units represented by the head office of Generation - Region North in Norway. Statkraft Sweden - Wind power and the expansion project THXP at the partly owned Theun-Hinhoun Power Company in Laos.

We believe that our work provides an appropriate basis for us to provide a conclusion with a limited level of assurance on the subject matters. In such an engagement, less assurance is obtained than if an andit-level engagement had been performed. Separate from, and not impacting, our conclusions stated below we have provided "Auditor's commentary and recommendations", presented in the Report.

## Conclusions

In conclusion, in all material respects, nothing has come to our attention causing us not to believe that:

- Statkraft has established systems to identify, manage and to involve stakeholders on material aspects related to corponte responsibility, as described in the Report, in accordance with the principles of AA1000 Accountability Principles Standard.
- Statkraft applics procedures to identify, collect. compile and validate data and information for 2011 to be included in the Report, as described in the Report. Data presented for 2011 is consistent with data accumulated as a result of these procedures and appropriately presented in the Report.
- The management systems referred to above have been implemented and locally adopted as necessary at the reporting units that we have visited, as specified above. Data for 2011 from these units has been reported according to the procedures noted above and is consistent with source documentation presented to us.
- Statkraft applies a reporting practice for its corporate responsibility reporting aligned with the Giobal Reporting Initiative (GRI) Sustainability Reporting Guidelines reporting principles and the reporting fulfils Application Level B+ according to the GRI guidelines. The GRI Index presented in the Report appropriately reflects where information on each of the elements and indicators of the GRIs gnidelines is to be found within the Statkraft Annual Report 2011 on the Internet.

Oslo, Norway, 14 March 2012


State Authorised Public Accountant
(Corporate Responsibiliny)



> Corporate responsibility report 2011

Statkraft shall be developed in a manner which generates value for the owner and the countries and local communities in which we operate. Sustainable and responsible behaviour wherever we are present is a cornerstone of our activity. This section of the annual report documents our actions and results within areas such as business ethics, environment, health and safety and HR.

> Corporate
> responsibility in Statkraft

Corporate Responsibility is a line responsibility in Statkraft. This means that each business unit in Statkraft has an independent responsibility for handling and following up corporate responsibility in connection with its own activities. Statkraft's code of conduct describes the fundamental principle for corporate responsibility and ethical conduct in Statkraft.

Statkraft strives to demonstrate thorough corporate citizenship in all activities. This means that the Group's activities must be conducted in accordance with applicable laws and regulations, in line with Statkraft's internal rules and sound international standards in areas such as health and safety, environment, human rights, business ethics and anti-corruption. Statkraft is growing internationally, and some of the growth takes place in areas where the standards for sustainable conduct differ from the standards in our domestic market. This is challenging and sets high standards for employees, contractors and partners.

Statkraft's fundamental ethical principles are described in Statkraft's Code of conduct. The Code applies to all companies and employees in the Statkraft Group. We also expect our business partners to have corresponding standards. In 2011, Statkraft further developed its ethical guidelines aimed especially at the Group’s suppliers.

We see both risks and opportunities in connection with corporate responsibility. The risk perspective helps us identify weaknesses and implement measures. We also believe that high standards in this area create trust and new business opportunities. We therefore develop sound systems for project and risk management and develop the necessary expertise reflecting the challenges we face. Corporate responsibility is a line responsibility and an integrated part of our day-to-day business operations.

## Climate and environment

Statkraft mainly produces renewable energy without emissions of greenhouse gases and thereby contributes to prevent climate change. However, renewable power generation also affects the environment. We consider the environmental impact of relevant business activities and work systematically to find the most environment-friendly solutions.

## Health and safety

Health and safety must always be priority number one in Statkraft. Our goal is zero workrelated accidents.

In addition to applicable laws and regulations, Statkraft complies with international health and safety standards. Combined with Statkraft's own high expectations to health and safety, these form the basis for expectations and requirements directed at our employees, partners and contractors. Clear requirements and close follow-up in all operations and project phases are decisive to achieve safe and sound workplaces.

Safeguarding of people and assets
Growth in international markets present new and complex security challenges for Statkraft. We have a multi-disciplinary approach to these challenges and continue developing our systems for security and emergency preparedness.

We are committed to adhering to international good practice. The Voluntary Principles on Security and Human Rights set out important and fudamental principles in this area.

## Anti-corruption and business ethics

The emphasis on anti-corruption has increased considerably in recent years. Statkraft works systematically to prevent corruption and to promote sound business ethics throughout the Group, across geographical and organisational boundaries.

## Human rights

Statkraft supports and respects, within its sphere of influence, internationally recognised human rights. We develop guidelines and routines to ensure that respect for human rights is implemented in both operations and projects.

Statkraft's follow-up of corporate responsibility is based on national legislation and internationally recognised principles and guidelines. Our internal guidelines emphasise that the company's activities must be carried out in a sustainable manner.

Statkraft operates in accordance with applicable laws and regulations in all countries where we have activities and we adhere to internationally recognised standards and guidelines. We focus our work towards creating a work culture in accordance with our principles and which promotes good business practice.

## Statkraft's Code of conduct

Statkraft's basic ethical principles are described in Statkraft's Code of conduct, which sets requirements for both our own employees and our business partners. The Code represents our basic commitment to act in a sustainable, ethical and socially responsible manner - and in accordance with applicable laws and regulations - wherever we have activities. We want to meet the world's expectations in the best possible manner through clear requirements and practical implementation.

## International standards

Statkraft is a member of the UN's Global Compact and is committed to following up this initiative and its ten principles. In development projects, Statkraft emphasises the International Finance Corporation’s (IFC) standards for sustainable behaviour. The requirements of these standards include preparation of impact analyses as regards the environment and social conditions. Statkraft also adheres to the OECD guidelines for multinational enterprises, which present recommendations from governments to multinational companies as regards responsible business conduct.

## Our management systems

Corporate responsibility is a line responsibility in Statkraft, and the handling and follow-up of corporate responsibility is an integrated part of all processes through the entire value chain. Statkraft's Code of conduct describes the fundamental principles for corporate responsibility and ethical conduct in Statkraft.

Corporate responsibility in the Statkraft Group
Each business unit in Statkraft has an independent responsibility for ensuring that its activities are conducted in a sustainable and responsible manner. This means that handling, measuring and follow-up of areas such as health and safety, corruption, human rights and the environment must be incorporated in relevant business processes with each business area.

In addition, a corporate staff function has been established to follow up corporate responsibility. The staff has an advisory role vis-à-vis the business units and will ensure that the Group's management systems safeguard corporate responsibility.

## Corporate responsibility in the management system

The Group’s basic ethical principles are described in Statkraft's Code of conduct and set requirements for both our own employees and our business partners. Strategic priorities for the Group's corporate responsibility are presented in the strategic platform.

More detailed descriptions of how Statkraft's corporate responsibility will be handled throughout the entire value chain can be found in the Group principles and guidelines for the areas of environment, health and safety, HR and business ethics.

## Corporate responsibility in projects

In 2011, Statkraft has further developed a decision-making model for the execution of major development projects. The model presents a system of common terms and concepts and ensures a uniform approach from the early phase and through stepwise decision processes in the Group. The model's basic principle is that each main decision must be accompanied by structured and documented information on a number of topics, including corporate responsibility, as part of the basis for decisions. The model will be further developed in 2012 with focus on training.

## Health and safety management system

Statkraft has a group-wide management system for health and safety based on OHSAS 18001. Common guidelines are prepared for a number of topics and situations, including reporting and investigation of incidents, handling of specific working operations and emergency preparedness plans. In 2011, there has been particular focus on investigation of serious incidents, and the relevant guidelines have been updated.

## Environmental management system

The Group's environmental management system is designed in accordance with the requirements in ISO 14001:2004, and parts of the activities have been certified in accordance with this standard. Statkraft has Group-wide guidelines for environmental management. The guidelines include requirements for mapping environmental impact and risks.

## Expertise development

Sound and relevant expertise throughout the value chain is an important success factor for Statkraft in discharging our corporate responsibility in an appropriate manner. Relevant topics in connection with corporate responsibility have therefore been incorporated in programmes for new employees, manager development and in project manager courses

Projects place a special emphasis on health and safety training. In 2011, Statkraft has developed several types of web-based courses that are available, and to some extent also mandatory, for both employees and contractors.

Anti-corruption is another area that has received high priority. In order to raise awareness of potential challenges and how to handle them, all employees in Statkraft received an anti-corruption handbook in 2011 which enabled them to practice challenging scenarios through e-learning and seminars.

## Emergency preparedness

Emergency preparedness plans have been prepared for all operating units in the Group and regular emergency drills are held to ensure efficient handling of serious situations. Both emergency preparedness plans and drills are arranged so that relevant topics pertaining to corporate responsibility are included.

## Performance follow-up

A Group-wide solution for handling of nonconformities and improvement opportunities, Emendo, was established in 2010-2011. Nonconformities and improvement proposals in connection with the environment and health and safety are recorded in Emendo, and then followed up in a uniform manner. The system facilitates for proposals for corrective measures to be implemented in accordance with an established schedule.

The Group audit have considered different aspects of how the Group's corporate responsibility was discharged in relations to a number of its audits in 2011. No serious nonconformities were identified in connection with corporate responsibility.

KPIs have been established in the Group scorecard and the scorecards for the various business areas, reflecting the operational performance for the areas environment and health and safety. The results are presented monthly to the corporate management and board of directors.

## Supplier follow-up

## Statkraft's acquisition guidelines aim to ensure equal treatment of suppliers and contain clear requirements as regards business ethics, the environment and health and safety.

## Statkraft's supplier Code of conduct

In 2011, Statkraft further developed its ethical guidelines aimed at the Group's suppliers and adopted the document "Statkraft's supplier Code of conduct". This document clearly describes our requirements to suppliers as regards the environment, human rights, labour rights and working life standards, health and safety and anti-corruption. Statkraft's suppliers are informed of the Code and other relevant guidelines during the tender processes and contract signing.

Requirements for and follow-up of suppliers
Statkraft primarily uses suppliers that have been approved in Sellihca (the Nordic energy industry's common qualification scheme with about 2000 approved suppliers). All suppliers are treated equally, in accordance with the requirements for public-sector procurement and our own ethical guidelines. Particularly important and vulnerable deliveries are subject to more rigorous follow-up through several supplier links in the form of company visits and unannounced inspections.

Statkraft has initiated a project to further improve the integration of corporate responsibility in the procurement process. A comprehensive systematic approach will ensure that the correct requirements are applied to Statkraft's suppliers in all phases of the procurement process, from pre-qualification to follow-up and supervision.

## Stakeholder management

We communicate openly and regularly with our stakeholders. The owner, democratically elected representatives on all levels, employees, business partners, suppliers, local and regional authorities, NGOs and the media are key dialogue partners. This communication is necessary to create good conditions for cooperation and optimal project results, and to influence the premises for development of renewable energy in the right direction.

Meetings with local communities and authorities where we operate
Statkraft aims to have regular meetings with all local authorities where we have activities. This will be a special focus area in Norway in 2012. The topics in these meetings include information about the individual production plant and how it is operated, special challenges that must be taken into consideration, cooperation projects and ongoing or scheduled projects.

## Transparent information regarding development projects

Statkraft holds consultation processes and meetings with the general public in line with applicable standards and good international practice in all development projects. The topics in such meetings will often be expropriation, compensation, relocation of affected persons, job opportunities and environmental impact. In 2011, such meetings were held amongst other places in Albania (the Devoll project, hydropower), Germany (the Knapsack II project, gas power) and in Turkey (the Cetin project, hydropower)

As part of Energy Norway's multi-year Energy and Development project, Statkraft issued an invitation in 2011 for a field excursion to the THXP development project in Laos where Statkraft has a 20\% interest. The project group, where Statkraft participated, was composed of participants from industry and commerce, the authorities and NGOs including WWF, Norwegian Church Aid and FIVAS. The purpose of the visit was to study and discuss the challenges inherent in such a project, and look at how they are handled in the THXP development project.

## Dialogue with premise providers

Maintaining a dialogue with premise providers is necessary to highlight key challenges and discuss the desired development. One example of such dialogue in 2011 was the visit of the Standing Committee on Business and Industry from the Storting to the Sheringham Shoal offshore wind farm off the coast of the UK. The members of the Storting toured the wind farm and were thorougly informed on the challenges and opportunities of the project.

Statkraft is an active participant in several forums, both national and international, in order to discuss and influence energy policy. These forums include Energy Norway, Eurelectric, World Business Council for Sustainable Development (WBCSD) and the nternational Hydropower Association (IHA).

## Statkraft's corporate responsibility reporting

## Statkraft's information concerning corporate responsibility and sustainability must provide a correct and balanced account of the Group's activities and results in these areas. The Group's corporate responsibility reporting is based on the recommendations of the Global Reporting Initiative.

## Statkraft's corporate responsibility reporting

Statkraft's corporate responsibility reporting is based on GRI's recommendations for voluntary sustainability reporting, including GRI's ten reporting principles. The principles describe a process to identify significant topics and outline the premises for the reporting.

Statkraft has guidelines that describe the Group's reporting on corporate responsibility. The guidelines describe the actual reporting process and identify the indicators that will be reported. The guidelines cover important sustainability aspects in the Group and take into account requirements and expectations from our stakeholders.

With the reporting practice established in Statkraft, we believe that the reporting principles in AA1000 Accountability Principles Standard (2008 version) have been complied with. These principles deal with whether the reporting meets the requirements relating to materiality, completeness and stakeholder involvement.

Statkraft's corporate responsibility reporting describes the most important topics and performance on the Group level. More detailed information about individual projects and local issues and activities can be found on our website.

## Verification of information

Statkraft's external auditor verifies the Group's corporate responsibility reporting, including the management systems and processes that form the basis for the reporting. The auditor's work is based on the assurance standards ISAE 3000 and the AA1000 Assurance Standard (2008 version), where the latter has been especially developed for assurance reporting on corporate responsibility and sustainability. The standard does not just focus on the report itself, but also includes an analysis of the company's management systems and processes for handling of corporate responsibility issues.

The auditor's conclusion can be found in the auditor's statement. In addition, the auditor makes comments and recommendations regarding Statkraft's status and further reporting work on corporate responsibility.

## Corporate responsibility in development projects

Statkraft is engaged in substantial development projects, most of them outside of Norway. Our goal is that all projects should contribute to create value and be implemented in a socially and environmentally responsible and sustainable manner.

## Follow-up of corporate responsibility

All project development in Statkraft is based on internationally recognised guidelines and standards, of which the International Finance Corporation’s (IFC) standards for sustainable behaviour play a key role. Statkraft works to develop a standardised methodology to secure a systematic evaluation of corporate responsibility throughout the project process.

Below are presentations of two selected development projects with associated challenges and results relating to corporate responsibility.

## THEUN-HINBOUN EXPANSION PROJECT - HYDROPOWER IN LAOS

$\rightarrow$ Ownership: Statkraft 20\%, Electricité du Laos 60\%, GMS Lao Company 20\%
$\rightarrow$ Capacity: 280 MW (220 MW for export and 60 MW to local grids) - a total of 500 MW with the existing plant
$\rightarrow$ Development phase: Under construction, scheduled to start operation in January 2013

## Key corporate responsibility challenges

The construction of the Nam Gnouang dam and flooding of 103 km 2 of land have resulted in 12 villages totalling 4000 people having to move to new areas. In addition, large areas downstream will be affected by changes to the waterflow, causing the relocation of more than 3000 people. From the beginning of the project, a policy was established to the effect that everyone who has to move due to the power plant development, will have a better standard of living and a sustainable livelihood. The policy sets detailed requirements with regards to:
$\rightarrow$ Access to and size of acreage for growing fruit and vegetables
$\rightarrow$ Access to and size of rice-growing acreage
$\rightarrow$ Access to grazing lands and fishing opportunities
$\rightarrow$ Access to schools and health services
$\rightarrow$ Access to year-round road connection to local markets

As regards environment, the main challenges have been to remove as much biomass as possible from the dammed area to avoid anaerobe conditions in the reservoir and to reduce erosion along the river bank. In addition, a new area will be established north of the reservoir where an extensive tree-planting programme and rehabilitation efforts will be conducted for five years in cooperation with local authorities and the Wildlife Conservation Society (WCS).

As part of our work to follow up social issues and the environment, comprehensive surveys of the standard of living, health, nutrition, school services, crops, fish stocks,
water quality, erosion, etc. are taking place. The surveys and follow-up will continue until the set project goals have been achieved, e.g. also after the power station is in operation.

The construction work has had a strong focus on health and safety issues.

Examples of sustainability indicators in the project
Social issues and the environment
$\rightarrow$ Percentage of households with access to potable water all year: 16-47\% (target: $>50 \%$ )
$\rightarrow$ Percentage of households with reliable access to food: 59-85\% (target: >80\%)
$\rightarrow$ Percentage of children attending the appropriate school level: 24-49\% (target: 40\%)
$\rightarrow$ Percentage of households with access to health services: 31-60\% (target: >80\%)

## Health and safety (2011)

$\rightarrow$ Number of fatal accidents: 3
$\rightarrow$ Number of lost-time injuries: 15

## CETIN - HYDROPOWER IN TURKEY

$\rightarrow$ Ownership: Statkraft 100\%
$\rightarrow$ Capacity: 517 MW (from two power plants)
$\rightarrow$ Development phase: Under construction, scheduled to start operating in January 2015

## Key corporate responsibility challenges

A voluntary village relocation is being planned as part of the project. The village is presently prone to landslides, and the risk potential of slides can increase with the filling of the reservoir. In addition, some people will be affected by the project through loss of arable land and orchards. In order to minimise these effects the lower Cetin dam has been moved approximately two kilometres during the planning phase. This optimalisation will have insignificant affects on production.

As regards environment, the main challenges will be to remove as much biomass as possible from the dammed area to avoid anaerobe conditions in the reservoir and to reduce erosion along the river bank.

Examples of sustainability indicators in the project Health and safety (2011)
$\rightarrow$ Number of fatal accidents: 0
$\rightarrow$ Number of lost-time injuries: 1

Indicators for environment and social issues are under development and will be completed in 2012.

## Role in society

Statkraft creates major values for Norwegian society. In 2011, Statkraft contributed slightly more than NOK 4 billion to the state coffers through dividend, while total taxes paid to the state and local authorities in Norway amounted to almost NOK 5 billion.

Innovation is an important priority, and Statkraft has three own R\&D programmes closely associated with the Group's strategic focus areas hydropower, wind power and bio-energy.

The Group supports various causes, teams and events in sports and culture through national and regional sponsorship agreements. Approximately NOK 27 million was spent on sponsorship agreements in 2011. In addition, a fund annually awarding up to NOK 5 million to causes that benefit society as a whole has been established.

## Corporate responsibility in development projects

## Statkraft creates major values for society. Below is a presentation of the Group's total value creation in the form of tax contributions, dividend to the state, total investments and goods and services purchased.

Economic value creation
Economic value creation: NOK 8841 million
Dividend to the state: NOK 4288 million
Taxes and fees to the state and local authorities in Norway: NOK 4987 million

Taxes paid to Norwegian local authorities
Taxes paid to Norwegian local authorities: NOK 1411 million
Taxes paid to the ten municipalities that received the most: NOK 673 million (48\%)
Five largest local authority tax recipients:
$\rightarrow$ Vinje - NOK 96 million
$\rightarrow$ Hemnes - NOK 90 million
$\rightarrow$ Suldal - NOK 83 million
$\rightarrow$ Rana - NOK 76 million
$\rightarrow$ Odda-64 million NOK

Investments
Total investments: NOK 8269 million
$\rightarrow$ Of which in Norway: NOK 3641 million
$\rightarrow$ Of which abroad: NOK 4628 million

Goods and services purchased
Total: NOK 6200 million
Total number of suppliers: 8000

## Employment

Total per 31 December 2011: 3358 full-time equivalents
$\rightarrow$ Of which in Norway: 2232 full-time equivalents
$\rightarrow$ Of which abroad: 1126 full-time equivalents

## Innovation

## The Group's innovation activities shall contribute to increased competitiveness and the realisation of commercial goals. Technology analysis, continuous operational improvements, R\&D programmes and longterm projects are key factors in Statkraft's innovation drive.

## Focused innovation efforts

Statkraft's innovation strategy is based on the Group's business strategy and closely linked to the Group's core business. By focusing the innovation work towards projects that provide more knowledge and reflect the Group's main focus areas, Statkraft will generate long-term value for itself and society in general. Through our focused R\&D programmes we develop competitive advantages and new business models in cooperation with national and international R\&D environments. Statkraft has three own R\&D programmes closely linked to the Group's strategic focus areas, hydropower, wind power and bio-energy:
$\rightarrow$ The hydropower programme Future Hydro Power covers Statkraft's work on flexible power production in Northwestern Europe and hydropower in emerging markets. The objective is to develop methods, systems and technology to improve project development, development, operations, market operations and expertise in connection with hydropower.
$\rightarrow$ The wind power programme Competitive Wind Power covers onshore and offshore wind power. The objective is to increase the company's ability to exploit existing expertise and technology and to make Statkraft one of the most cost-effective wind power players.
$\rightarrow$ The bio programme Cost-efficient bio-energy has emerged from Statkraft's district heating investments. The objective is to reduce the risk and fuel costs in the district heating activities, to increase the share of renewable energy in district heating production, and to increase Statkraft's ability to participate in power and/or heat production based on bio-energy.

## Osmotic power

Osmotic power is an example of long-term innovation work in Statkraft. With ten years of experience, Statkraft is a world leader in the development of osmotic power. Osmotic power is a renewable and emission-free energy source that could make a significant contribution to renewable energy production. The concept involves producing electricity by exploiting the energy that is generated when fresh water and salt water meet. Statkraft aims to make an investment decision on whether to build an osmotic power pilot over the course of 2013.

## Partnerships and sponsorships

Statkraft cooperates with several interest groups. The most important are WWF, Friends of the Earth Norway and Bellona. The purpose of these partnerships is to contribute to exchange of experience and increased expertise for all parties.

## Sponsorship agreements

In addition to partnerships with interest groups, Statkraft supports a number of activities within culture and sports. The Group spent about NOK 27 million on sponsorship agreements in 2011. They largest agreements are with:
$\rightarrow$ The Norwegian Biathlon Union
$\rightarrow$ Det Norske Teatret
$\rightarrow$ Oslo Jazzfestival
$\rightarrow$ The Nobel Peace Prize concert
$\rightarrow$ Hardanger Musikkfest

In addition to the sponsorship agreements, Statkraft supports sports and culture in the local communities where we are present. In 2011, Statkraft also supported the exhibition of Edvard Munch's works at the Centre Pompidou in Paris.

## Building reputation and brand

Statkraft regularly measures its reputation both in the general population and among professionals. In 2011, 89\% of professionals and $54 \%$ of the general population had a very good or quite good impression of Statkraft.

In 2011, the Statkraft Fund was awarded to Norwegian Church Aid, Renewable World, Norwegian People's Aid, Grane Næringsutvikling, The Inland Norway Energy Agency and the New Ålesund Symposium.

## What is the Statkraft Fund?

The Statkraft Fund has been established to support causes that benefit the greater community. The Fund disburses up to NOK 5 million annually to volunteer organisations, foundations or similar upon application from the recipient or initiative from Statkraft's management. The application announcement for 2011 emphasised that projects should have a clear connection with Statkraft's activities and primarily be directed towards developing countries.

Focus on energy, climate and sustainable development
In line with the Statkraft Fund's guidelines, the fund awarded money to organisations that focus on connections between energy, climate and sustainable development in different ways in 2011. The recipients were:

Norwegian Church Aid received NOK 1.5 million in total for two projects. One focuses on introduction and operation of small-scale hydropower in Laos. The other offers Vietnamese farmers clean energy, better sanitary installations and efficient handling of agricultural waste through development of biogas plants.

Renewable World received NOK 1 million for development of biogas plants for use smallscale agriculture in Nepal. The organisation is based in the UK and cooperates with RenewableUK, where Statkraft is a member, and the European Wind Energy Association.

Norwegian People's Aid received NOK 1 million for the organisation's water programme in Somalia. The program ensures clean potable water by securing water sources and developing a stable distribution system.

Grane Industrial development received NOK 375000 for facilitation of publicly accessible fishing spots in Grane and Hattfjelldal municipalities in Nordland County. The main purpose of the project is to strengthen tourism and culture-based industry in the region.

The Innlandet Energy Council received NOK 125000 million for the work to increase interest in climate and environmental issues among young people. One of the activities carried out in 2011 was an environment conference for young people in Hedmark and Oppland Counties.

The New Ålesund Symposium received NOK 1 million, in line with a decision made earlier. The symposium annually gathers researchers, politicians and business leaders from all over the world to discuss climate and environmental issues under the Arctic skies of Svalbard.

Ethical and responsible behaviour is a cornerstone in Statkraft. We have established regulations, management structures and training which aim to ensure ethical conduct in all aspects of our activities.

## Statkraft's code of conduct

Statkraft's fundamental ethical principles are described in Statkraft's Code of conduct, which is supported by more detailed guidelines. The Code of conduct applies to all companies and employees in the Statkraft Group, and our business partners are expected to have standards that are consistent with Statkraft's Code of conduct. In 201, Statkraft further developed its ethical guidelines aimed at the Group’s suppliers.

## Training

Training forms an important component of the ethics work in Statkraft. In 2011 several units in the Group carried out dilemma training in connection with their anti-corruption work.

A handbook and a supplementary, interactive training programme were launched in 2011 to further support the anti-corruption work. The handbook contains an overview of relevant legislation and internal guidelines, as well as specific examples and dilemmas.

## Notification

Statkraft encourages employees to report questionable matters. If an employee suspects that a decision or action may violate Statkraft's legal or ethical commitments, the employee has a right and a duty to raise the issue. Employees in this situation should contact their superior immediately. If this is difficult or impossible, the employee should contact the head of Corporate Audit, which is the independent whistleblowing channel. The Corporate Audit was not notified of any whistleblowing cases in 2011.

## Environmental impact

Statkraft secures a sufficient and predictable power supply for our customers based on sustainable solutions for power production. All plants will be built and operated on the basis of good environmental management reducing the potential negative environmental impact as much as possible.

Leading international practice is the yardstick against which the Group's environmental work is measured.

## European leader within renewable energy

Power generation and district heating (Statkraft's share)


Development of new power and district heating (Statkraft's share)


With a portfolio consisting primarily of renewable energy sources, with hydro and wind as the main focus areas, Statkraft delivers power solutions that also contribute positively with regards to the global climate challenge. In 2011, about 91\% of Statkraft's energy production was based on renewable energy sources.

## Production of environmentally friendly energy

In 2011, $87.8 \%$ of Statkraft's power production came from hydropower. Hydropower is very efficient, has a long lifetime and a range of other technological benefits. The technology is also flexible, an increasingly important characteristic as several renewable technologies are being combined. When developing and operating hydropower plants, it is also possible to facilitate combined water use, for example in connection with flood mitigation, irrigation, potable water, transport and recreation.

The Group's non-renewable energy production includes a limited amount of gas power and a small part of the district heating production. Statkraft's four gas power plants in Germany operate only as peak load producers and,like hydropower, therefore contribute flexibility in the European energy markets. As renewables policy in Europe has contributed to the phasing in of large amounts of solar and wind power to replace fossil energy, the demand for flexible power production such as hydro and gas power is on the increase.

Statkraft will meet the world's need for cleaner energy
Statkraft's vision is to deliver pure energy. The Group has initiated major development projects, and investment decisions for the development of 1923 MW had been made as of 31 December 2011. More than $90 \%$ of this capacity will be built abroad, and the investments include both hydropower, wind power, gas power and district heating.

Statkraft must manage natural resources in a sustainable manner, and the Group works to achieve good environmental performance both locally and globally. Internationally recognised standards are used as a basis for planning, implementation, measurement and reporting of the Group's environmental work.

## Most important environmental challenges

Statkraft's core business areas are hydro and wind power. None of these technologies cause significant emissions or discharges, but both cause major interventions in nature, both for eco-systems and the landscape. Areas used for hydro and wind power production are often habitats for animals and plants, and are also often used for agriculture and recreation. However, it is usually possible to facilitate multi-purpose use of these areas through careful interventions adapted to local conditions.

Gas power causes CO2 and NOx emissions, and often discharge of cooling water as well, while the operation of district heating plants generates SOx and NOx emissions. Cooling water can influence biodiversity in neighbouring river systems, while SOx and NOx contribute to acidification and over-fertilisation of river systems

## Water management

In order to achieve sustainable water management in the development of hydropower projects, geographical and local conditions are taken into account. Rivers and river systems usually have an important function both regionally and locally, for example for biological diversity and recreation and as potable water and a source of irrigation.

Statkraft works to achieve optimal and sustainable water management. In Norway, this primarily takes place through close follow-up of the licence terms and some additional improvement measures. The EUs water framework directive is a set of regulations aimed at securing unified and ecosystem-based management of all water in Europe. Statkraft works closely with the authorities to ensure that all surface water achieves a "good environmental status" in accordance with the directive.

Wind power and the environment
Statkraft's wind power work is encountering new environment challenges, both onshore and offshore. Birds are a recurring topic, both due to the risk of birds colliding with the rotating turbine blades, and because wind farms can drive certain bird species away from their natural habitats or form barriers on important migration routes. Wind power's impact on bird populations is, however, considered a relatively minor problem. This emerged from the IPCC's assessment of the environmental footprint of wind farms, presented in 2011. Offshore, the impact on the marine environment is a particularly challenging topic, partly as there is yet little knowledge about the consequences for sea mammals, fish and benthic fauna. There are a lot of indications that negative effects are often temporary and that offshore wind farms can also benefit the environment in the longer term. A wind farm resting on the seabed can e.g. provide shelter and create good growth areas for fish and other organisms. In connection with the development of Sheringham Shoal and the planning of the Doggerbank development, Statkraft has devoted significant resources to monitoring programmes, studies and investigation of all types of effects on the environment

## Concern for the environment in all processes

Concern for the environment has been integrated into relevant activities in the Group, from strategic choices and project planning to choice of partners and operation of the plants. The key elements of the environmental work are identification of environmental risk, implementation of measures, securing the necessary expertise as well as registration, follow-up and learning from all incidents. The paramount objective is to avoid negative environmental effects. Where this not is possible, mitigating and compensatory measures to reduce negative environmental effects are implemented.

Statkraft's achievement with regards to the environment depends on how the Group's contractors show their concern for the environment. Therefore, environmental requirements have been incorporated in all relevant contracts.

The Group's international development projects are planned and implemented in line with good international practice. This entails impact analyses as regards environmental impact and follow-up of environmental aspects throughout the project process.

In 2010, the International Hydropower Association (IHA) launched a new version of its evaluation tool for hydropower projects (IHA Sustainability Assessment Protocol, SAP) as regards sustainability. Several NGOs, companies, banks and national and international institutions have participated in the development work, including Statkraft.

## Climate



## - Gas power

- District heating plants
- Accidental emissions of $\mathrm{SF}_{6}$ and halon
- Fuel consumption
- Business travel

The demand for energy is growing fast all over the world. Climate change and global warming as a consequence of carbon-intensive energy consumption represents an increasingly large challenge. IPCC points to renewable energy as the single most important measure against climate change. If the world increases its renewables percentage from the current 12.9 to almost 80 , this alone would be enough to stop the temperature rise at two degrees. In this context, Statkraft's activities, production and development of renewable energy is part of the solution to the climate challenges.

The Group's own emissions of greenhouse gases are very low compared with other industries and come principally from our gas power plants.

## Climate strategy and climate adaptation

Climate change will result in more precipitation in the Nordic region, while dry parts of the world will probably become even drier. Climate research indicates that both precipitation and wind can become more intense and extreme episodes may occur more often looking forward to 2050. The world's energy consumption and a strong global increase in demand for energy have resulted in climate policy now being the most important driving force in global energy policy.

Climate change affects Statkraft in many ways. Meteorological variations can challenge future production and create an unstable environment. The climate and energy policy changes the framework conditions of the energy industry. The EU's renewables directive, the water framework directive and carbon quota trading are examples of this. In 2011, Statkraft dedicated resources with the aim of coordinating and developing the company's climate efforts. An important topic is the causes of climate change and how they are handled politically. Energy production has a long time horizon and power plants have long lifetimes. It is therefore important to understand the implications of the climate changes for Statkraft in the time to come, and to look at what solutions we can contribute with.

## The Group's greenhouse gas emissions

Most of Statkraft's portfolio is practically emission-free hydro and wind power production. This means that our greenhouse gas emissions are relatively small. In 2011, the Group's total emissions were 1.2 million tonnes of CO 2 equivalents. The Group's relative emissions of CO2 equivalents in 2011 were $34 \mathrm{~kg} / \mathrm{MWh}$.

The Group buys ordinary CO 2 quotas in the international CO 2 quota market to compensate for greenhouse gas emissions from that part of the business that is not subject to mandatory quota schemes. This applies to fuel consumption, business travel and some accidental emissions of the greenhouse gases halon, SF6, and amounted to 12 000 tonnes of CO2 equivalents in 2011

In 2011, about 92\% (1.1 million tonnes) of the Group's emissions of CO2-equivalents was generated by the German gas power plants Knapsack, Emden and Robert Frank. The CO2 emissions from the district heating activities amounted to about $7 \%$ ( 0.08 million tonnes) and came from the non-renewable share of the waste and some oil.

## Greenhouse gases from water reservoirs

The decomposition of biomass can, under certain conditions, cause emissions of the greenhouse gas methane from hydropower reservoirs. Statkraft has conducted research into emissions of greenhouse gases from hydropower reservoirs since 2003, both in cold Nordic reservoirs and in subtropical reservoirs in Laos. From 2007, the International Hydropower Association (IHA) and UNESCO have lead a process to look into what part of the emissions are due to nature's own processes and what part is due to the manmade reservoir (net emissions'). In 2010, IHA/UNESCO prepared guidelines for data collection to make measurements from reservoirs in different climate zones comparable. In 2010, the International Energy Agency (IEA) started a similar process. Statkraft participates in

[^2]both processes. In 2010 and 2011, Statkraft conducted a study in Laos in cooperation with Theun Hinboun Power Company (THPC), Sintef and EDF. Two older reservoirs, a recently established reservoir (Nam Theun II) and a new, planned reservoir were studied. The surprising conclusion was that older reservoirs in climates as warm as in Laos actively bound CO2 through the day, and that they were only a minor source of greenhouse gas emissions. The results have been published and have also been mentioned in IPCC's new report on renewable energy (2011). Statkraft plans a follow-up study in 2012, when the new THXP reservoir starts operations. Research results so far indicate that anthropogenic greenhouse gas emissions from reservoirs generally represent a smaller problem than previously assumed.

## Emission quota and green energy trading

Statkraft is engaged in trading with all types of carbon certificates permitted in the European quota trading system (EU ETS). We trade in EUAs (European Union Allowances), CERs (Certified Emission Reductions) and ERUs (Emission Reduction Units). Furthermore, we participate in projects under the Kyoto Protocol’s Clean Development Mechanism and Jl (Joint Implementation), and buy emission permits directly from such projects. One of our core activities relating to emissions trading is designing products enabling our customers to reduce costs of complying with CO 2 requirements.

Statkraft also offers guarantees of origin, i.e. documents that guarantee what source a given amount of power has been produced from

Clean Development Mechanism (CDM)
Three of SN Power's hydropower projects were CDM registered in 2011: La Confluencia (Chile), Ambuklao (the Philippines) and Binga (the Philippines).

## Biodiversity

Statkraft aims to ensure that the Group's activities work in conjunction with ecosystems and the landscape. We are continuously implementing measures to limit our ecological footprint and have a particular focus on special responsibility species, i.e. species which Norway has an international responsibility to conserve.

## Impact on biodiversity

Statkraft has developed a method to map and limit the activities' impact on biodiversity in Norwegian water regulation areas. The method was developed through a pilot project in the Nore water regulation area. Mapping of another four water regulation areas has started and will be completed in 2012

The mapping method aims to identify potential ecological conflicts. The data basis is obtained from public databases and covers protected areas, species and nature types This method development is a ground-breaking effort in the power industry and the results will provide a better basis for assessing how the operation of plants can be adapted to such potential ecological conflicts.

## Sustainable fish stocks

Statkraft's environmental activities relating to river systems and fish include environmentally adapted operation of the power plants, laying down suitable spawning and smolt growth substrate, fish restocking, egg planting, construction of fish ladders and improvement of thresholds and migration barriers. The goal is to achieve sustainable and self-regulating fish stocks. In addition to measures imposed by the licenses, Statkraft also implements voluntary measures, often in cooperation with local interests and authorities.

A specific example of this is Statkraft's involvement to contribute to secure the eel population, which is vulnerable to turbine injuries when migrating from regulated rivers. In Sweden, the eels are moved downstream of the power plants, while turbine control systems have been developed in Germany to improve eel survival rates

Statkraft operates nine fish cultivation facilities and is a large producer of stocking fish and fish eggs in Norway and Sweden. We also carry out comprehensive freshwater biology studies and operate two of Norway's three salmon gene banks.

## White-tailed Eagle

The R\&D activities at Smøla in connection with white-tailed eagles and Smøla grouse continued in 2011, also after the conclusion of the major BirdWind R\&D programme in 2010. The primary purpose was to ensure continuity in the collection of data while awaiting the start of a new R\&D project focusing on the development of methods to reduce the risk of bird collisions. In addition, a pilot project was initiated to test a video monitoring system for bird activity near the most exposed turbines. If it works, this system will be used to record the effect of the anti-collision measures.

The preliminary results of ongoing population studies of white-tailed eagles in the Smøla area indicate that most of the pairs which earlier bred in the wind farm area have now found new territories away from the wind farm, and that the white-tailed eagle population is stabile.

## Wild reindeer

Statkraft participates in several research projects to safeguard the wild reindeer, one of the species for which Norway has a special responsibility. The background for participation is that several of Statkraft's power plants are located in Norwegian wild reindeer areas (Setesdalsheiene, Hardangervidda, Nordfjella and the Dovre region).

The projects' goal is to strengthen the knowledge basis for the wild reindeer management by studying how the reindeer use the areas and their behaviour. To Statkraft, it is particularly important to obtain more knowledge of how physical disruptions to the landscape, traffic and other activities affect the reindeers' area use, and to consider the possibility and effect of mitigating measures.

## Energy consumption

In 2011, electricity consumption in Statkraft was 1150 GWh, of which $77 \%$ was used for pumped-storage hydropower. All electricity used to operate plants and offices has been certified as renewable in accordance with RECS.

## Statkraft saves energy

A major energy efficiency project was initiated at Statkraft's Norwegian hydropower plants in 2010. The objective is a $35 \%$ reduction of internal energy consumption, and this will primarily be achieved through installation of control systems for pumps, ventilation, heating and lighting.

The initial phase of the project included the Nore, Rana and Aura power plant groups, and this phase was completed in 2011 with good results. The project will be continued in more power plant groups in 2012, and the measures are scheduled to be introduced in all power plant groups by 2015.

Statkraft's operation of hydro, wind and gas power plants entails no significant waste production, emissions or discharges compared with other industry.

## Local pollution

Statkraft faces only limited challenges as regards local pollution. The greatest environmental risk is associated with oil spills from vehicles, construction equipment and production equipment. Several incidents involving minor oil spills were recorded in 2011, but none of these affected the local environment to any significant degree. Noise, dust and smell in connection with transport, construction and operation of plants can also be a challenge locally.

Operation of gas power plants entails emissions of NOX, as well as discharge of cooling water. District heating plants entail emissions of NOX and SOx. Such emissions can cause over-fertilisation and acidification. The environmental impact will depend on the vulnerability of adjacent areas.

## Waste handling

The Group aims to separate as much as possible of its waste at source.

All hazardous waste is processed in accordance with applicable regulations. The operations generated about 96700 tonnes of hazardous waste in 2011. More than 99 per cent came from the Group's biomass plant in Germany and the district heating plant in Trondheim. In addition, 7700 tonnes of other waste was generated.

In 2011, the operations in Norway have focused on mapping the existence of contaminated (heavy metals, PAH) sandblasting sand at the company's pipe trenches and dentifying locations where this may cause an environmental or health-related risk. SN Power (Peru) has initiated an effort to replace equipment and oils containing PCB. Both efforts will continue in 2012.

## Environmental incidents

Environmental incidents are recorded systematically for the entire Group and reported every month to the corporate management and board. No serious environmenta incidents have been recorded since 2008, but 185 minor environmental incidents with little or no impact on the environment were reported in 2011. Most of the environmental incidents were short-term breaches of the river regulation provisions, minor oil spills and non-conformities in connection with waste management.

# Health and safety 

Statkraft has a clear goal of zero work accidents with serious consequences and zero breaches of the requirements relating to physical safety measures in connection with the Group's activities. Clear requirements and close follow-up of all operations and projects are decisive to achieve safe and sound workplaces and good results.

In 2011, five fatal accidents took place in connection with Statkraft's activities. Three contractors lost their lives during work on the THXP expansion project in Laos, one contractor died in the Kargi development project in Turkey and one employee died in a work related accident in the Istad Group in Norway.

141 lost-time injuries were recorded among the Group's employees and contractors in 2011. The TRI rate was 4.5 for employees and 3.4 for contractors

Statkraft works actively and systematically to achieve a working environment which promotes good health and is free of injuries. Our goal is zero injuries, and we maintain the fundamental approach of identifying health and safety risks before starting any activity.

In 2011, there has been particular focus on sound reporting and follow-up of undesirable incidents and a more systematic approach in accident investigation.

## Safety culture based on transparency

Statkraft wants to nurture a safety culture based on transparency and continuous improvement. All accidents, near-misses and hazardous conditions are therefore recorded and followed up in a consistent manner, and sharing of experiences across the organisation is encouraged.

In 2011, SN Power has had a special focus on registration of undesirable incidents, through close follow-up of registered incidents and audits.

The number of registered near-misses and hazardous conditions in the Statkraft Group has increased in recent years. This is a positive development as regards achieving transparency in relation to the health and safety work, transfer of experience across the Group and continuous improvement.

## Health and safety expertise

Sound expertise with regards to desired health and safety behaviour is a key precondition if Statkraft is to achieve its zero injuries objective. Information and training in connection with these topics will therefore be given systematically on all levels in the organisation:
$\rightarrow$ Health and safety has been included as a regular topic in the introduction programme for new employees and in all management programmes in the Group.
$\rightarrow$ An online basic course in health and safety is available to all employees.
$\rightarrow$ An online health and safety course focusing on operations was completed in 2011. The course is mandatory for all employees and contractors in Statkraft's operations unit who work at the company's plants, regardless of location. The course is also available for employees and contractors in other parts of the activities, both nationally and internationally.
$\rightarrow$ All safety delegates and members of the Working Environment Committee (AMU) attend 40-hour health and safety course.

## Health and safety in projects

Furthermore, Statkraft has prepared checklists and procedures to ensure systematic attention to health and safety in all project phases, from planning and tender work to construction and operations. Health and safety assessments form part of the supporting documentation in all main decisions.

Statkraft offers a special training programme for project managers. In 2012, work will focus especially on expanding and updating the health and safety module in this programme. A special health and safety manual will also be prepared.

## Accident investigation

All fatal accidents, serious injuries, near-misses with serious damage or injury potential and serious environmental incidents with significant damage to the environment are subject to independent investigation in Statkraft. The investigation is presented in an investigation report describing the course of events, causes and corrective measures. The investigation report is submitted to and followed up by the respective boards. A brief summary of each investigation report is also made available for the entire organisation in order to learn from serious incidents. In 2011, 81 investigations were conducted, of which 48 in the Group's project activities.

In 2011, Statkraft and SN Power, in cooperation with the Norwegian University of Science and Technology (NTNU) in Trondheim, held a course in accident investigation as part of the effort to raise the companies' expertise in this area.

## Absence due to illness

Absence due to illness in Statkraft was 3.4\% in 2011. Statkraft's goal is to achieve a sickness absence rate of less than $3.5 \%$. All Norwegian companies in the Group have entered into Inclusive workplace (IA) agreements, with active follow-up of absence and close cooperation with the company health service.

## Traffic safety in SN Power

SN Power conducted a traffic safety campaign in 2011.The campaign was aimed at employees and their families and used a number of measures, including seminars, monthly updates and a family outing.

Everyday safety in the production unit
In the first quarter of 2012, Statkraft's production unit conducted a health and safety campaign concerning better everyday safety. The campaign is aimed especially at reducing the number of eye injuries

## Accidents

Fatalities


Contractors, associated activities
Contractors, consolidated operations
Third parties, associated activities
Employees, associated activities
Third parties, consolidated operations

Five fatal accidents were registered in connection with the Group's activities in 2011, of which one in consolidated activities (Kargi, Turkey). Three contractors lost their lives in the Theun Hinboun expansion project in Laos, one contractor died in the development project Kargi in Turkey and one employee died in the Istad Group in Norway.

141 lost-time injuries and 281 injuries overall were recorded among the Group's employees and contractors in 2011. This yields an injury frequency (TRI) of 10.6 for the Group's employees and 6.2 for the Group's contractors.

## Fatal accidents

In 2011, four contractors and one employee died in the Statkraft Group. One of the accidents took place in consolidated activities (the Kargi development project in Turkey). There were no fatal accidents involving third parties in 2011.

Three of the fatal accidents took place in the expansion project at Theun Hinboun (THXP) in Laos. The first of the accidents took place in January when a contractor died after being crushed by the boom of a forklift during work in a head race tunnel. In March, a contractor died from electrocution during work below a 22 kV power line, while one contractor died in November when he fell from an auxiliary pylon in connection with installation work.

An employee in the Istad Group (Norway) was killed when a tracked vehicle overturned, and a contractor in the Kargi development project in Turkey died after having been hit by scaffolding elements and then falling from a large height.

In addition to police investigations, all fatal accidents have been subject to investigation immediately following the incidents. The investigation reports, including improvement measures, are then presented to and followed up in the relevant boards.

Several measures have been implemented following the accidents, for example increased focus on applicable guidelines for working at heights and correct use of safety equipment. In June, the corporate management held a meeting with the main contractor for THXP to further emphasise the seriousness of the unfortunate accident statistics and discuss possible corrective measures. In general, all projects greatly emphasise sound health and safety expertise among own employees and basic safety training of all contractors and subcontractors.

There were no fatal accidents in SN Power in 2011. This is a gratifying development and the result of a systematic health and safety effort in all projects. Expertise is given special attention in all project phases and on all organisational levels. Following a large number of traffic accidents in previous years, a traffic safety campaign was also launched in 2011.

## Injuries

The LTI rate (number of lost-time injuries per million working hours) was 4.5 (3.4 in 2010) among employees, while LTI among the Group's contractors was 3.4 (13.6 in 2010).

Lost-time and total recordable injurie rates for employees and suppliers


Correspondingly, the TRI rate (number of injuries per million working hours) among employees was 10.0 ( 6.8 in 2010) and 6.2 among contractors ( 16.4 in 2010). In total, 280 injuries ( 81 in 2010) were recorded, of which 141 ( 52 in 2010) were lost-time injuries, among the Group's employees and contractors. The total number of injuries has risen significantly in 2011, primarily due to the fact that all activities where Statkraft's shareholding exceeds $20 \%$ as of 2011 have now been included. Previously, the figures only included businesses where Statkraft's shareholding exceeded $50 \%$. Two of the injury accidents in 2011 were categorised as serious, or with a serious injury potential, and have been subject to an independent investigation.

The operations have seen a positive development in recent years, with the TRI injury frequency for employees dropping from 15.9 in 2006 to 6.8 in 2010. In 2011, this value rose to 10.6 , but much of the increase can be explained by a larger share of the activities (shareholdings exceeding 20\%) being included. At the same time, it must be noted that the number of accidents without serious consequence is on the increase. Follow-up of less serious incidents has therefore been intensified and Statkraft's operating unit will conduct a health and the safety campaign in the first quarter of 2012. The latter is aimed especially at reducing the number of eye injuries.

The company's development projects show significantly improved health and safety performance in 2011 compared with 2010. The TRI injury frequency among contractors has dropped from 16.4 to 6.2, and the lost-time injury frequency has dropped from 13.6 to 3.4. The decline is assumed to be the result of both good injury-preventive work and a safer and more complete registration of the number of working hours.

No serious accidents involving third parties were recorded in 2011.

## Unsafe conditions and near-misses

Systematic registration and follow-up of hazardous conditions and near-misses are important parts of the transparency culture and 6125 hazardous conditions ( 4853 in 2010) and 365 near-misses ( 114 in 2010) were recorded in 2011. $38 \%$ of the incidents took place in the project activities.

## Safeguarding people and assets

## All buildings, plants and infrastructure in Statkraft are secured against unauthorised access. Statkraft is now active in areas with political instability, increasing the need for security personnel.

## Securing of plants

All Statkraft buildings, plants and infrastructure are secured against unauthorised access. The purpose of this is both to secure the Group's assets against extreme threats and vandalism, but also to protect third parties against safety risks in connection with the Group's installations.

## Security

Statkraft is now involved in development activities in countries and areas with political instability. This raises a need to secure people and assets, using measures including deployment of security personnel who, if so warranted by the risk picture, may be armed.

The Group's guidelines for how security for people and assets should be secured in operational and project-related activities were prepared and adopted in 2011. The guidelines apply to all employees and contractors and are based on internationally recognized good practice, including
$\rightarrow$ The Voluntary Principles on Security and Human Rights
$\rightarrow$ The UN Principles on the Use of Force and Firearms by Law Enforcement Officials
$\rightarrow$ The UN Code of Conduct for Law Enforcement Officials

## Security assessments

The security situation, as regards e.g. political instability, terrorism and kidnapping, is followed up continuously in the areas where Statkraft is active. If the situation so requires, measures such as travel restrictions will be implemented.

Current and future Statkraft employees are the company's most important resource, and we want Statkraft to be an attractive employer which facilitates development. The correct expertise is a decisive factor if Statkraft is to achieve its growth and profitability goals.

## Statkraft has worked systematically over time on employer branding, and this has yielded results. Statkraft remains a popular employer, both among students and the working population.

## Employer branding work

Statkraft has worked on employer branding in a focused manner since 2001. In order to ensure future growth and profitability, it is important for Statkraft to recruit the necessary expertise. The employer branding work is aimed at both students and experienced professionals

The Universum Student Survey is Norway's largest career, working life and future expectations survey among students. Over the course of the past ten years, Statkraft has made steady progress in the ranking of attractive employers. In the 2011 survey, engineering students ranked Statkraft seventh (fifth in 2010), while economics students ranked Statkraft as the 30th most attractive employer (17th in 2010).

Statkraft also achieved good results in the Universum Professionals Survey, which measures the popularity of companies among professionals with an average 5.5 years of work experience. Among engineers, Statkraft was ranked sixth in 2011 (ninth in 2010), while economists rank Statkraft as Norway's 12th best workplace (14th in 2010).

## Summer project

Statkraft's summer project took place for the eight time in 2011. The summer project gives a group of students from different studies the opportunity to get to know the energy industry and Statkraft. To Statkraft, the summer project is a great PR opportunity. The 2011 project focused on the South American gas markets, and the project result was presented to the corporate management in August.

## Trainees and apprentices

Statkraft has a two-year trainee programme which is very popular among graduate students. In 2011, a total of 22 trainees were working in different parts of the Group, both in Norway and abroad. The trainee programme has become more international in recent years in time with Statkraft's development. Several of the trainees have been assigned to Statkraft's development projects abroad during their trainee period, and 2011 was the first year that SN Power participated in the programme.

For Statkraft, ensuring good recruitment is important for the operation of our plants. Trainee positions have therefore been established in all parts of the Group for different types of apprenticeship certificates. In 2011, 79 apprentices were working for Statkraft.

# Organisation and management 

March 2011 saw the launch of Statkraft's revised management platform. The platform sets clear requirements for managers in the Group. 2011 also saw a new employee survey in the Group, following a one-year hiatus.

## New management platform

Statkraft's management platform was revised in 2011. The platform is a clearer and more focused edition of the Group's former management requirements and emphasises three main areas - the ability to inspire others, the ability to develop own employees and the company's expertise and the ability to organise the work and deliver results as regards the Group's strategies. All managers will be evaluated against the requirements in the management platform

Statkraft has special Group programmes for manager development. Leadership in Statkraft (LIS) is a basic course, while NEXT is aimed at managers with some experience. A programme for more experienced managers has also been developed, and will be starting up in January 2012. In 2011, 72 managers participated in the Group’s management programmes, 56 in LIS and 16 in NEXT. The programmes are undergoing continuous development and are adapted to new challenges, including those that result from international growth

Statkraft also has its own training programme for project managers, and 38 employees participated in these programmes in 2011.

## Employee survey

Statkraft regularly conducts surveys to evaluate the organisation and management of the parent company and the subsidiaries. The 2011 survey was new (no survey in 2010) and especially important following two years of changes both as regards corporate management, organisation and strategy. The same survey was conducted in the parent company, Skagerak Energi and SN Power. The surveys covered topics such as leadership, cooperation, working conditions, ethics and corporate responsibility and personal development. The purpose of the survey was to compare ourselves with other companies in the industry and make Statkraft a better place to work.

The results of the survey were generally good. For several areas, including job satisfaction and loyalty, Statkraft's scores are significantly better than the industry average. The survey is an important tool for assessing Statkraft as a workplace, and the results are followed up both by the corporate management and by the individual department.

## Statkraft European Work Council

In 2010, Statkraft entered into an agreement with the European Federation of Public Service Unions (EPSU) concerning the establishment of a European works council (Statkraft European Works Council, SEWC) in the Group. The agreement is based on applicable EU Directives and national tariff agreements. Statkraft's works council was established in 2011 with employee representatives from Norway, Sweden, Germany and the UK. SEWC aims to ensure a good flow of information about decisions that affect the organisation in different ways, and provides employee representatives from different countries with a formal and accepted venue where they can meet the corporate management

Statkraft employees

Full-time equivalents in Statkraft


Percentage of women in Statkraft


At the end of 2011, Statkraft had 3358 full-time equivalents. Women made up $23 \%$ of the Groups employees, and the Group had employees in 24 countries.

## Full-time equivalents and geographical distribution

The number of full-time equivalents in Statkraft increased from 3301 to 3358 in 2011, which corresponds to an increase of $1.7 \%$. 33\% of the employees worked abroad in 2011.

## Diversity in the Group

As of 31 December 2011, the Group had employees in 24 countries, representing 46 nationalities. $33 \%$ of the Group's employees are non-Norwegian. We want diversity among our employees. More diversity among the company's employees will strengthen us in our international development, for example by providing us with necessary expertise as regards national legislation and administration processes, language and local customs.

The average seniority in Statkraft is 10.7 years, while staff turnover in the workforce was 6.8\% in 2011.

## Percentage of women in Statkraft

The percentage of women in the Group has been stable at $23 \%$ in recent years. The company wants a more even gender balance. The Group's manager development programmes seek to achieve an even gender balance.

| Percentage of female employees | 23\% |
| :---: | :---: |
| Percentage of female managers | 20\% |
| Percentage of female new employees | 23\% |
| Percentage of women on Statkraft's board of directors | 44\% |

Human rights

## Statkraft supports and respects, within its sphere of influence, internationally recognised human rights. We develop guidelines and routines that will ensure the implementation of respect for the human rights both in operations and projects.

## Business and human rights

The UN's and ILO's human rights declarations make up a set of obligations directed at sovereign states, not companies. However, it has now become generally recognised that companies have a major responsibility to safeguard the human rights. Statkraft monitors and partakes in the international development in this area, particularly through the implementation of the UN's principles on business and human rights. These principles were recognised by the UN's Human Rights Council in 2011 and are already incorporated in e.i. the OECD's guidelines for multinational companies.

## Statkraft and human rights

Within its sphere of influence, Statkraft supports and respects internationally recognised human rights, employee rights, including freedom of association and recognition of the right to collective bargaining, abolition of all forms of forced labour and child labour and abolishment of discrimination as regards employment and professions.

Statkraft is a member of the UN's Global Compact and is committed to following up the initiative and its ten principles relating to human rights, labour, environment and anticorruption.

Statkraft's commitment to contribute to respect for and promotion of human rights is described in Statkraft's Code of conduct and Statkraft's Code of conduct for suppliers. Ensuring respect for human rights has been included as a requirement in Statkraft's
contracts. Statkraft continues to work to further improve follow-up of human rights through the entire project process and will in 2012 focus especially on development and implementation of a more standardised evaluation of aspects relating to the respect for the human rights as part of the Group's project management system, in line with recommendations given in the UN guidelines.

## Global reporting initiative (GRI)

Global Reporting Initiative (GRI) is a voluntary organisation that, over the past 15 years, has worked to establish a standard for corporate reporting of corporate responsibility and sustainable development. Since 2002, Statkraft has issued systematic information about strategy and performance in connection with corporate responsibility. From 2004, the reporting has been based on GRl's guidelines and from 2010 based on GRI's guidelines prepared especially for the energy industry.

## About GRI

GRI develops industry-adapted guidelines for sustainability reporting. The guidelines define essential reporting principles and a number of indicators for all sustainability areas.

GRI develops tools for sustainability reporting
Global Reporting Initiative (GRI) is an independent organisation which, since being established in 1997, has worked to create a more standardised format for corporate responsibility and sustainability reporting. The most recent main version of GRI's guidelines ( $G_{3}$ ) for sustainability reporting was issued in the autumn of 2006. In 2009, guidelines specially prepared for the energy industry (Electric Utilities Sector Supplement) were approved.

GRI defines ten reporting principles. Four of these deal with establishing the scope and content of the report, while the other six address the quality of the information presented.

Furthermore, GRI defines a number of both general and industry-specific indicators, distributed between core and additional indicators, for enterprise profile, economy, environment, working conditions, human rights, corporate citizenship and product responsibility. Description of follow-up and management mechanisms must also be provided for all areas.

## Different reporting levels

GRI facilitates reporting at different levels - A, B and C - where A is the highest level. In addition, the reporting level is marked with a " + " if the reporting has been verified by an external third party.

# The UN Global Compact 

Statkraft is a member of the UN Global Compact. Global Compact is a UN initiative encouraging businesses to commit to sustainable development.

About the UN Global Compact

The UN Global Compact aims to encourage business and industry to support and promote universal goals established by the UN, including the millennium goals.

Global Compact includes ten fundamental principles for employee rights, human rights, protection of the environment and combating corruption. Companies that endorse Global Compact commit themselves to support and respect the ten principles and report their performance in the various areas annually. In 2011, Global Compact introduced a scheme where all members are classified in three categories; Learning Platform, Active level and Advanced level.

Global Compact is now the world's largest initiative to promote corporate responsibility and has more than 10000 members, where of approximately 7000 companies from 135 countries. By adapting strategies and activities to Global Compacts ten principles, businesses can contribute to markets, trading, technology and financial schemes developing in a manner which benefits all economies and communities. Global Compact's network of both companies and other players is an important forum for sharing experience, and Global Compact has become an established tool for sound business management.


[^0]:    * Unrealised changes in value exclusive trading and origination, material non-recurring items are not included.

[^1]:    1) Investments in new capacity in 2011 are NOK 424 million lower than investments in new capacity in note 6 Segment Information, due to investments not yet paid at year-end.
[^2]:    1) IPCC assessed discharges from hydropower reservoirs in 2011 and defines net discharges as gross measurements less existing discharges before the dam was built and less discharges due to anthropogenic sources such as sewage, agricultural waste, industry etc.
