

# Annual Report

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#### Report of the Board of Directors of Azienda Elettrica Ticinese to the Local Parliament and to the Council of State of the Republic and Canton of Ticino

Ladies and Gentlemen Chairmen State Councillors Parliamentary Representatives

In accordance with the provisions contained in article 5 of the Law instituting Azienda Elettrica Ticinese (LAET), we hereby submit for your approval (article 5, paragraph 2 LAET):

- the Board of Directors' management report for the year 2009
- the financial statement for the year 2009
- the proposal for allocation of profit
- the auditors' report

and for discussion (article 5, paragraph 3 LAET):

- the report on projected activities for the next two years

The English version of the AET 2009 Annual Report is merely a translation: the official version is the Italian text.

## At a glance

#### 4 Financial statements highlights

| – Gross revenue                      | CHF 1,433 million | ( <b>+17%</b> /2008)      |
|--------------------------------------|-------------------|---------------------------|
| - Total operating income             | CHF 1,210 million | ( <b>+ 59%</b> /2008)     |
| - Operating profit <sup>1</sup>      | CHF 48 million    | ( <b>–17%</b> /2008)      |
| – Profit for the year                | CHF 14 million    | ( <b>+8%</b> /2008)       |
| - Cash Flow <sup>2</sup>             | CHF 63 million    | ( <b>-2%</b> /2008)       |
| - Payments to the State <sup>3</sup> | CHF 22 million    | (=2008)                   |
| – Employees                          | 203               | ( <b>+14 units</b> /2008) |
| - Production in Ticino               | 3,952 GWh         | ( <b>+18%</b> /2008)      |
| - Production of AET                  | 913 GWh           | ( <b>+9%</b> / 2008)      |
|                                      |                   |                           |

<sup>1</sup>Before extraordinary and financial items

 $^{\rm 2}\,{\rm Profit}$  for the year + provisions + amortisations + depreciations

<sup>3</sup> Operating taxes + interests on capital + profit distribution to the State

#### **Consolidated financial statements highlights**

| – Gross revenue                 | CHF 1,462 million | ( <b>+19%</b> /2008)       |
|---------------------------------|-------------------|----------------------------|
| - Total operating income        | CHF 1,276 million | ( <b>+ 57%</b> /2008)      |
| – Operating profit <sup>1</sup> | CHF 49 million    | ( <b>-8%</b> /2008)        |
| – Net profit of the Group       | CHF 12 million    | ( <b>+97%</b> /2008)       |
| AET's net profit (of the year)  | CHF 5 million     | ( <b>-63%</b> /2008)       |
| – Cash Flow <sup>2</sup>        | CHF 58 million    | ( <b>+ 2%</b> /2008)       |
| – Employees                     | 215               | (+ <b>20 units</b> / 2008) |

<sup>1</sup> Before extraordinary and financial items

 $^{\rm 2}\,{\rm Profit}$  for the year + provisions + amortisations + depreciations

#### Supply and production in Ticino



State's payments evolution





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## Board of Directors' management report

The 2009 financial year was characterised by extraordinary unprecedented events that must be mentioned in this annual report. These events affected the activities of the highest bodies of the company during the 2008 and 2009 financial years, as those bodies were constantly urged to respond to requests for information from political authorities and public opinion.

#### Extraordinary events during the 2009 financial year

Since the summer of 2008, the focus of political authorities and public opinion has been directed at the "risk report" being prepared by consultancy firm KPMG, with implications broadened further by the Cantonal Court. The Cantonal Court completed its investigations in December 2008, and at the end of February 2009 decided not to prosecute, because the transactions reported as suspicious by the consultancy firm were in all cases performed with the substantive knowledge or approval of the company's Board of Directors.

In March 2009, the aforementioned consultancy firm released its final report, completing a task which had lasted over twelve months. This report was commented upon by the Board of Directors in May, while presenting the results of the 2008 financial year. In essence, the analysis made by the consultancy firm pointed out aspects of corporate management which required corrective action to ensure improved operations. Not all the consultancy firm findings were accepted and the Cantonal Court has already issued an order not to prosecute for those transactions classified as suspicious by the consultancy firm.

At the beginning of August, the Board of Directors decided to change the head of management, entrusting the management of the company to the two assistant managers, Dr. Roberto Pronini (Eng. ETH) and Claudio Nauer (lic. oec. publ./MA in Economics). This decision has raised legitimate questions by the controlling political authorities and public opinion, questions that have increased as a result of the measures implemented by the Cantonal Court in October and that concerned the work of former manager Reto Brunett (Eng.). The audits are still underway and it will be the Cantonal Court's responsibility to report on their outcome. The questions mainly concern AET's acquisition of subsidiary ZET Zimmerli Energie-Technik AG, which in the meantime was declared bankrupt by the sole manager during that period. Regardless of the outcome of the criminal proceeding, AET is considering whether to undertake civil proceedings.

In the meantime, at the beginning of September, the Council of State renewed the appointment of the members of the Board of Directors. This body has been reduced from eleven to seven members, due to the revision of the Law instituting Azienda Elettrica Ticinese (LAET). In its first session after the renewal, the Council confirmed the designation of Fausto Leidi as Chairman and Marco Netzer as Vice Chairman.

A press conference was held at the end of November to clarify the company's balance sheet and to illustrate the entire contents of the interim and final reports issued by the KPMG consultancy firm as part of its company risk engagement. Along with the aforementioned communication activity regarding these extraordinary issues, two other topics characterised business during the second half of the year:

- contract price increases to Ticino distributors;
- AET's participation in German company TKL GmbH & Co. KG, which has as its purpose the commissioning of a new thermoelectric power plant in Lünen, Germany.

These issues, in addition to current operations, have required a continuous exchange of information with the Cantonal authorities. Over the entire course of 2009, regular meetings were held with the management of the Department of Finance and Economic Affairs, to foster a continuous flow of information. At the same time, especially from August, there were several meetings with the AET Public Mandate Control Commission. These meetings, necessary for answering the questions raised by these extraordinary issues, helped establish a climate of collaboration between the parties. Last but not least, regular meetings were held with the Council of State.

#### **Energy trading**

In 2009 the electricity consumption of Ticino decreased slightly, by approximately 1.2%, compared to 2008. The reduced consumption of electricity earlier in the year was partly offset by an increase during the last quarter.

Sales activities in Ticino, with particular regard to the Ticino distributors, were characterised by the contract renewal with Società Elettrica Sopracenerina (SES) for the 2010-2012 period and, for the same period, the signing of the electrical energy supply contract with Azienda Elettrica Comunale del Borgo di Ascona (AECA). The prices agreed, albeit with a marked increase in relation to the past, reflect supply costs and are competitive compared to the national market.

The year 2009 was characterised by the global economic crisis, which has had negative effects on the economy of Ticino. In order to mitigate increases in electricity prices at such a particular time, AET, prompted by the State (owner), decided to accord a discount, from 2010 to 2012, to those distributors who signed a new supply contract on or after 1 January 2009. The companies concerned are the aforementioned SES and AECA, along with Aziende Industriali di Lugano (AIL) SA and the Cooperativa Elettrica di Faido (CEF). The discount amounts to 0.5 cents/kWh, applied to energy prices charged to the final customers, the "large consumers" with an annual consumption exceeding 1 GWh. It should be noted that the fixing of end consumer energy tariffs is the sole responsibility of the retailers benefiting from the discount. The reflection of the energy price reductions on the individual rates was the sole responsibility of the distribution companies, according to their respective pricing policies.

Given its business activities, AET Italia Srl is cited in this business chapter. This participation has seen good business development, and the net income, though still in the red, should be considered positively. In 2009, around 300 GWh of electricity was delivered to about fifty industrial customers. During the closing months of the year, a campaign took place to acquire new customers, with good results both from a quality and quantity perspective. The 2009 financial year was a year of consolidation for AET Italia Srl, particularly with regards to personnel and the IT infrastructure. At the end of 2009, AET Italia Srl employed seven people on a full-time basis.

In July the commercial exploitation of the Mendrisio–Cagno merchant line began. This installation, in addition to providing increased supply security in the Sottoceneri region, is of great importance both for the optimal management of AET's portfolio and for the supply to AET Italia Srl.

Throughout the year, the installation of a new portfolio and risk management system commenced, replacing the systems used in recent years. The project will be completed in late 2010. Once this tool having been implemented, AET will have a modern system that will improve the transparency and efficiency of operations and control of the commercial sector. Compared to previous years, from a weather point of view, 2009 started normally, with typical winter temperatures. However, from an energy perspective, benefits derived from the rainfall of the final months of 2008, together with the rainfall in February, March and April (which was still in the form of snow in the mountains). Therefore 2009 started with excellent production, at levels which had not been seen for several years. The high levels were maintained until September, though they never reached the peaks of 2008. Rainfall during the last quarter was quite scarce, though still greater than the alarming levels of 2005–2007, partly because the accumulation from previous months helped maintain good water levels in the basins.

#### **Production**

Production benefited from good rainfall volume, which clearly also favoured the activities of Ofima, Ofible and Verzasca SA (participations held by Canton Ticino State), which all produced a large amount of energy.

Following the introduction of the new Federal Electricity Supply Act, the production market has been segmented, creating a multitude of products ranging from pure band-energy, to regulated energy, to the delivery of services (primary and secondary regulation, voltage maintenance, etc.). This has led AET to modify its production plants and its internal procedures in order to benefit from the new market opportunities. Accordingly, control centre personnel have been trained to use the new work tools introduced with the opening of the market. The modification of production facilities will continue with the installation of new turbine regulators and structural modification of the remote control system.

With regard to ordinary operations, particular attention was given to cost analysis and production assets. Due to the separation (unbundling) of transport, trade and energy production activities, the main objective was to produce appropriate indicators for the management and careful control of costs in each of the above activities.

Routine and special maintenance to the machinery and plumbing systems was undertaken at the plants, as well as annual inspections and cleaning of the basins. In particular, a complete Group 1 revision was carried out at the Piottino plant (from December 2008 to April 2009). With regard to the commitments in the field of photovoltaics, the Ponte Brolla (18.3 kWp) and Camorino (52 kWp) facilities have been put into operation. Overall, at the end of 2009, AET had eleven operational photovoltaic systems for a capacity of 512.6 kWp. The energy generated is fed into the low-voltage grid. Annual production in 2009 reached 337 MWh, corresponding to about 70 times the domestic requirement. During the spring of 2009, the cogeneration plant in Gavirate (Varese, Italy), previously owned by CEG Srl (50% owned by AET through SPE Società per Partecipazioni Energetiche SA) was demerged and transferred entirely to AET/ SPE. To this end AET CoGen Srl was created. The plant has four methane-powered gas generators and a turbine that uses steam generated by the exhaust fumes of internal combustion engines. The total electrical power output is 16.8 MW. The energy is fed into Enel's

medium voltage grid (15kV) and sold by AET Italia Srl. The heat generated from the plant is distributed by a district heating network extending 2720 meters, owned by AET CoGen Srl. The transport capacity is 4 MW (thermal) and it supplies users in the district of Gavirate by two pipelines (supply and return) that carry hot water at 85 °C. Expansion is planned for 2010, with the laying of about 1030 meters of additional pipe, by which new customers can be connected.

Finally, AET has a 10% participation in the Dalpe, Campo Vallemaggia and Cerentino power plants, through Senco Holding SA (50% owned by AET and 50% by SES). In this area, the planning of the Ossasco (TI), Buseno (GR) and Cauco (GR) plants continues, and the development of Campo Vallemaggia and Cerentino is being studied. The plants currently in operation produce electrical energy for a total of about 19 GWh per annum.

#### **Distribution grid**

Concerning the distribution grid, projects that had been ongoing for many years were finally consolidated in 2009. The Mendrisio – Cagno 380 kV power line was made definitively operational at the end of 2008, while during 2009 AET was able to test the large technical potential of this link, in collaboration with Swissgrid and Terna. For a few weeks, during the total reconstruction work for the 380 kV connection to the Enel Cagno substation, Ticino absorbed part of the hydroelectric power production from the Valtellina area, while at other times it provided energy and power to the Como and Varese regions, separated from the rest of northern Italy without causing any notable inconvenience to users in Ticino and the border. The cross-border link has also been effective in raising voltage in the Sottoceneri region to higher levels than before, and has significantly reduced the phenomenon of mini-power outages in the high-voltage grid, usually caused by storms on mount Tamaro. The power line has also helped to significantly reduce the production limitations that are periodically ordered by Swissgrid to energy producers in Ticino and Mesolcina (Ofima, Ofible, AET and OIM), to ensure the safety of the high-voltage grid. This is done by adjusting the flow of power between Ticino and Italy, made possible by the AET substation's PST (phase shifter/transformer) in Mendrisio.

The collaboration with Swissgrid has been excellent. Thanks to the expertise achieved, AET is recognised as playing an important role at a national level. The company gained access to various technical and regulatory committees, where Ticino was not yet represented, which play an important role in national and international energy issues, particularly regarding the electrical connections between Switzerland and neighbouring countries.

During the financial year in question, AET divided the 380 kV Mendrisio–Cagno power-line installations into two separate companies (CMC MeSta SA for the Swiss side and CMC Srl for the Italian side), pursuant to the legislative decrees issued by the Swiss Federal Electricity Commission (ElCom) and by the Italian Ministery of Economic Development, which granted investee Nord Energia SpA the commercial rights to use cross-border power lines.

Renovation of the high voltage primary and secondary equipment also continued throughout the year, in order to meet the new requirements imposed by the ElCom and Swissgrid regulations, particularly at the 150/50 kV Bodio, the 150/50 kV Riazzino and the 50 kV Piottino substations. The project for increasing the power supply to the industrial area of Bodio was completed, so as to prepare the

supply node for the future requirements of the railway network (the AlpTransit Gotthard LTD, ATG base tunnel) and for industries wishing to establish or expand existing business in Bodio. The second phase of expansion of the Riazzino is underway and in coming years will require significant changes to improve supply in the northern part of the Locarno district. In collaboration with AIL SA, plant renovation works continued on the 50 kV Mendrisio substation. The connection of the Giubiasco incinerator to the 16 kV grid was completed (with a power capacity of 15 MW: a plant of such magnitude had not supplied the grid in Ticino for over 40 years), and the strengthening of the two 16 kV lines to Monte Carasso and Riazzino is also underway. In collaboration with ATG, AIL SA and the Swiss Railway (SBB), studies have continued towards delivery of the 150/132 kV AET, SBB and AIL SA lines near ATG's south portal in Vezia, to be accomplished by the time the Ceneri railway tunnel is commissioned. The work for a permanent supply to the Vedeggio–Cassarate tunnel of the Piano dei trasporti del Luganese (PTL, Transportation Plan of Lugano) has begun, and the final ATG cabin sites of the Camorino node have been completed.

The work for implementation of the new "metering" directives to regulate the network and to exchange data with Swissgrid and distributors has continued, and several new software applications and counting and data analysis and transmission equipment has been installed. In this area, separate network contracts have been signed with the customers and network operators in contact with AET's power grid.

Application of the new guidelines of the Cantonal Law on the application of Federal Electricity Supply Act has led to innovations for AET, which must now take contributions directly from the end customers (such as ATG, SBB and Federal Road Office), and then channel them to the municipalities where these customers have their headquarters, as per current rules.

Lastly, significant effort was expended to comply with the directives and the continual requests for information from ElCom for the comparison of network costs at the different voltage levels (from NE1 to NE7), in terms of both internal resources and the development of expertise.

#### **Administrative activity**

One important administrative aspect was the replacement of IT applications. In the past, standard NCR applications were used, but as of January 2009 the SAP application became operational. Initially it was limited to three modules covering financial accounting, control and the management of purchasing and inventories. Over the year, the module for personnel management was also implemented, while the module for plant management will be brought on line in the near future.

The 2009 financial statements were prepared in accordance with the directives of the Swiss Code of Obligations (CO), with the content extending beyond the regulatory minimum under article 663b CO. The statutory financial statements were audited by both the Local Parliament and the international firm Ernst & Young (Lugano). The auditors of the Local Parliament did not limit themselves to the statutory audit of the annual accounts but also spent several days carrying out a thorough review of company management. Concurrently with the statutory accounts the Group consolidated accounts were also set up, subject to certification by Ernst & Young. In accordance with the recommendations contained in the 2008 audit report, the move to the Swiss GAAP FER accounting standards is underway, with introduction scheduled for the end of 2010.

#### **Participations**

Certain investments have already been mentioned in previous chapters. This summary will only mention initiatives that had a significant financial impact, leaving aside comments regarding participations that have been consolidated for some time and those with activities limited to current year (e.g. KW Mattmark AG).

#### AKEB Aktiengesellschaft für Kernenergie-Beteiligungen Luzern

AET has a 7% participation in AKEB, a company with interests in French and Swiss nuclear power plants. In 2009 and 2010, the French Bugey power plant had to be put out of service and will remain so for a prolonged period of time (approximately twelve months). This interruption was not expected. This forces AET to compensate the energy shortfall in the market, with higher supply prices than anticipated.

#### **Calore SA**

AET holds an equal stake with SES in Calore SA. The company has continued its policy of expansion: having bought some facilities of La Carità Hospital in Locarno from Ente Ospedaliero Cantonale (EOC, Cantonal Hospitals), it has collaborated in the construction of the thermal heating plant of the new regional resort centre of Locarno (which during 2010 will be purchased and run by Calore SA) and has conducted feasibility studies for district heating networks (for example, for the Oil Free Bodio initiative which plans to use waste water from the AlpTransit tunnel for heating purposes).

#### **Metanord SA**

During the 2009 financial year, a federal license for the installation and operation of the Ceneri ridge methane pipeline was obtained, and in autumn the first customers were connected. Major investments are planned for the very near future, concentrated for the moment in the Bellinzona region, where the necessary municipal authorisations have been obtained.

#### **TPWB GmbH & Co. KG**

AET has withdrawn from the initiative for an offshore wind park promoted by Trianel GmbH in the Borkum region. The project has been plagued by technical and financial uncertainties, the reason AET elected not to continue. For the closing of the 2009 financial year, the net investment was treated as an advance (and not as an equity holding), that should be recovered after December 2010.

#### TKL GmbH & Co. KG

AET's participation in the (coal-fuelled) thermoelectric power plant under construction in Lünen (Germany) has been widely debated, both by public opinion and by political bodies. The Local Parliament finally approved the participation in the Lünen plant, which will start operating at the end of 2012. This project, in relation to similar initiatives in Germany, was able to observe the timetable for planning and the subsequent implementation. From a financial standpoint, the project is supported by a consortium of banks that provided 90% of the necessary funding.

The Local Parliament did not, however, authorise a second investment, relating to participation in the plant being designed in Krefeld, Germany. After the Local Parliament's decision, a petition began for an initiative to force AET to refrain from participation in coal-fuelled power plants.

#### SPE Società per Partecipazioni Energetiche SA

SPE is an "intermediate" company formed for purely fiscal purposes, so as not to jeopardise the reentry of capital from participated companies abroad. As a public company, SPE is subject to normal taxation (as opposed to AET, which is tax-exempt). SPE's foreign subsidiaries may pay dividends to SPE (instead of to AET) without sustaining large foreign tax charges.

#### **CEG Group Srl**

SPE is a 50% shareholder in CEG Srl, which in turn has subsidiaries of its own, whose corporate purpose is the installation and operation of biomass-fuelled power plants. During 2009, in agreement with the second largest shareholder (Laborex SA), the original industrial plan was sharply curtailed: from a development plan based on 120 MW of power, to approximately one third of that power. This decision significantly reduces risks and limits production based on bio-fuels.

#### **REnInvest SA and PurEnergy SA**

SPE holds a 20% share in REnInvest SA and PurEnergy SA. The 2009 financial year presented a mixed picture. On one hand, PurEnergy SA sold its holdings in German wind farms, achieving good results that benefited the shareholders of REI Spc (Gran Cayman). AET also participated in a tender for adjudication of German wind farms but was not the highest bidder; the wind farms were awarded to Elektrizitätswerk der Stadt Zürich (EWZ, Zurich's electric company). On the other hand, we should bear in mind that the wind farms under design or construction in Greece are still not ready for implementation. For this reason, considering financial situation in Greece, the aforesaid industrial initiatives are characterised by considerable risk.

AET (20%) and REnInvest SA (80%) are shareholders of the Parco eolico del San Gottardo SA wind farm. For this project, negotiations are underway regarding the transfer of a share package from REnInvest SA to AET, that will make AET the leading shareholder.

#### **REI Spc**

In spring 2009, the REI Spc assembly of shareholders radically changed its investment strategy. A reduction in the investment period was decided, focusing on the creation of wind farms rather than their long-term operations.

The return on an investment of EUR 13 million in spring 2010 was EUR 3.2 million. To reduce the reported net exposure, a provision of CHF 5 million was set aside at the end of 2008.

#### Strategic projects

#### Reversions

After the SBB formally opened the expropriation procedure for the Ritom waters of Ticino at the Swiss Federal Office of Energy (SFOE) in 2009, negotiations have continued between the SBB and Canton Ticino for the licensing of Ritom, which expired in 2005. A small working group, of which AET is also a part, is trying to define the best project from a technical and legal standpoint for the complete renewal of the Ritom plant by the end of this decade. The parties are seeking agreement on a shared project, to be submitted to the Council of State and later to the Local Parliament of Ticino, for its licensing to a new company, in which the Canton and the SBB will become shareholders.

With regard to the reversion of Morobbia, AET has submitted to the Aziende Municipalizzate Bellinzona (AMB) a proposal for collaboration on several issues, that would have strengthened AMB as a leading multi-energy company in Bellinzona and AET as a producer, respectively. The proposal was aimed at increasing collaboration between the two public bodies. Although the proposal was interesting, the municipal authority decided not to proceed further.

For the reversion of the Calcaccia plant in Airolo, meetings took place between the parties, but no agreement was reached.

#### Piano Energetico Cantonale – Cantonal Energy Plan

AET has been involved in preparing the Cantonal Energy Plan, which will define the Canton's energy policy for near future. The company employees made an important contribution in preparing the fuel data sheets.

#### Val d'Ambra II Plant

The development of the "Val d'Ambra II" project continued, and during the year the Piano di utilizzazione cantonale (PUC, Cantonal Land Use Plan) for building the new pumping-turbine plant has been published (in consultation).

In autumn, the stance taken regarding the consultation was withdrawn. An in-depth examination of the requests for project integration are underway; in collaboration with the officials of the Dipartimento del Territorio (Planning Department).

#### **Dalpe II Plant**

The Dalpe II hydroelectric plant is in its advanced design phase. The plant will take water discharged from the existing CEL Dalpe plant and then pass it through a turbine under Dalpe–Cornone. In normal operation, the plant would allow an increase in electricity production in Leventina of 13.6 GWh per annum.

#### **Geopower Basel AG-New Geopower**

Following conclusion of activity by Geopower Basel AG, AET proposed participation in an interest group on geothermal energy (Interessengemeinschaft New Geopower, IGNG), which represents most of the participants in the Basle-based project. The group aims to develop a concept to exploit geothermal energy in Switzerland.

#### **Compodino SA**

AET is negotiating to buy a majority stake in Compodino SA and establish a biomass power plant on the Magadino plain. The amendments to the Al Pizzante regulatory plan, a prerequisite for building the plant, were not approved by the City Council of Locarno, so alternative sites for construction of the plant must be considered.

#### **TERIS Teleriscaldamento del Bellinzonese SA**

In 2009, the arrangements for cooperation between AET and the Azienda cantonale rifiuti (ACR, Cantonal Waste Authority) were defined in order to create a joint company for the exploitation of residual heat from the Giubiasco incinerator and for construction of a district heating network in the Bellinzona area (the company was founded at the beginning of 2010 under the name TERIS, Teleriscaldamento del Bellinzonese SA). As a measure of economic support passed by the Federal Council for the 2009–2010 period, a preliminary project was forwarded to the SFOE with a request for subsidies to install the district heating network.

#### **Human resources**

In recent years, AET has promoted several initiatives, both internally and externally to the company. This has resulted in the need to increase staffing in all areas, in order to better follow the progress of the activities undertaken. The application of the Electricity Supply Act has also required a strengthening of the company structure, relative to the adoption of measures which required a commitment of additional human resources. In 2009, there was a net increase of 14 employees (growth similar to 2008), the net result of 27 recruitments, six retirements and seven resignations.

#### Conclusions

The 2009 financial year was characterised more by extraordinary factors than by ordinary operations. AET received constant inquiries from the supervisory bodies (Local Parliament, Special Commission for Energy, AET Control Commission for Public Mandate, Council of State) and from the public, to which ample response was provided, with a strong personal commitment on the part of management. In these phases, AET has also had to take into account the directives of Cantonal Court, which did not allow immediate and exhaustive information. One milestone was the approval of the accounts for the 2007 and 2008 financial years, which took place in March 2010, after extensive debate in the Local Parliament.

During 2009, the consolidation of the organisation and the business processes continued, enabling the company to cope with market liberalisation in the best possible way.

The profit results were satisfactory and in line with the budget. While acknowledging that prices were increased at an inopportune time, it was inevitable and part of a medium/long-term strategy that will allow the company to strengthen its financial footing. AET could no longer postpone the decision, after keeping prices stable for nearly two decades. The conditions applied by AET are still favourable and the renewal of contracts with the Ticino distributors testifies to this fact.

## Report on projected activities for the next two years

#### **Company management**

The Board of Directors has benefitted from recent experience and has taken several measures to improve the corporate governance. The organisational regulation has been revised to require that management must act collectively. Supervisory bodies have also been enhanced, with the introduction of an internal auditor (starting July 2010).

In early 2010, the Board of Directors definitively appointed the members of the Management Board: Dr. Roberto Pronini (Eng. ETH) was confirmed as manager, while Claudio Nauer (lic. oec. publ./MA in Economy) was designated as comanager and head of the area of management services. At the same time, it was decided that the Board of Directors should be strengthened to include, in addition to the manager and comanager, members from the following areas:

- trading and sales, represented by assistant manager Dr. Giorgio Tognola (Eng. ETH);
- production, represented by assistant manager Stefano Sartori (Eng. HES);
- administration;
- grid;
- projects and strategic investments (new area).

The representatives for the last three of these areas will be appointed in the second quarter of 2010, with the selection of the three new assistant managers based on public competition. The Board of Directors has been expanded to seven members (compared to the previous five) to ensure the proper distribution of functions, responsibilities and workload.

The creation of a management services area, headed by the comanager, will enable the manager to concentrate resources on strategic issues. The following staff services have been incorporated into the area of management services:

- marketing and communication;
- risk management;
- human resources;
- IT;
- logistics and purchasing;
- organisation and quality;
- legal service.

In particular, we would emphasise the efforts to strengthen risk management: the recruitment of a service manager (October 2008) was followed by the recruitment of a risk management officer for the area of commerce (June 2009). Two additional people will be hired in 2010: one for business risk and another for trading risk. Besides the four people specifically assigned to risk management, the service will include others on a part-time basis, responsible for following risk in their respective areas of activity. The whole risk management organisation process should be completed by June 2010. As already mentioned, we are also installing complex computer programmes for monitoring trading risk, in a more systematic way.

Thanks to the decisions taken, the Board of Directors believes that it has laid the foundations for stability and quality in the future management of the business.

#### **Corporate strategy**

An updating of the company strategy (dating back to June 2008) should be completed by the summer of 2010. The update will take into account recent important developments, including:

- the intentions of Executive and Legislative Power regarding reversions;
- the preparation (ongoing) of the Cantonal Energy Plan by the Cantonal authorities; AET is represented within the Cantonal Energy Plan work group by manager Pronini, which is why the directions to be adopted with Cantonal Energy Plan are known;
- the need to further promote renewable energy from various sources (water, wind, solar, biomass, incinerator);
- discounts to distributors, if coordinated through the Council of State, for final customers;
- authorisation by the Local Parliament to participate in the power plant under construction in Lünen (the initiative launched by the Greens to force AET to dispose of this investment should also be borne in mind).



#### Reversions

The participation in the Ritom plant is essential for the future of AET, so an agreement needs to be reached between the Canton and the SBB, that would allow AET to participate in the operation of the plant, whose importance for the company has been demonstrated by several studies. If the plant is revamped, including a modulating reservoir, a major financial commitment will be required of AET. With regard to the reversion of Morobbia and Calcaccia, developments are expected from proposals under preparation by the Special Commission for Energy and Local Parliament. In any case, AET supports the development of synergies and partnerships with local authorities.

#### New legislation (cantonal, federal and foreign)

AET will have to implement the changes imposed by the entry into force of the Cantonal Law enacting the Federal Electricity Supply Act and the respective implementing regulation on the cantonal level. AET is following these developments closely in view of the second phase of liberalisation at the national level (expected in 2014) and will cooperate with and participate in various work groups at the national level with the Association of Swiss Electricity Companies (VSE/AES), ElCom and Swissgrid. AET will pay the utmost attention to the new European laws that concern it, particularly in Germany and Italy (e.g. green certificates, CO<sub>2</sub> emissions, how to auction rights for the cross-border transit of energy), countries with which AET has the strongest trade relations.

#### Trade

AET must consolidate its presence in the German and Italian energy markets, where it has been present for years. Particular attention will be given to enhancing skills in acquiring and selling certificates. The portfolio of AET Italia SrI must be developed and the presence of AET outside Ticino increased, to offset potential losses of customers who may choose to purchase from other companies. The rights acquired for the Mendrisio–Cagno merchant line must be exploited and the new products acquired in the future will have to be integrated into AET's portfolio. The establishment of new renewable energy products and the search for new markets will be the main tasks for the business.

#### **Distribution grid**

In the next two years, AET will be replacing or adapting the parts of the 220 kV plant, currently in AET NE1 SA, that will be transferred to Swissgrid at the end of 2012 and that in any case will require this work within five years. For the technical departments of AET, this will mean a major commitment in the interest of the security of the Ticino grid.

A power line joining Lavorgo to Magadino (SBB 132 kV; AET 50/150/220 kV) will be developed with the SBB, to provide security to the SBB network at the time of the commissioning of AlpTransit.

Locally, it will be necessary to expand the 150/50 kV network to increase security for the high-voltage network. Network synergies will be developed between AET and the distributors to reduce network costs for the benefit of the Ticino customers.

#### **Cooperation with Ticino distributors and producers**

It is essential to establish a relationship of mutual collaboration and trust with the Ticino distributors in every area: sale of energy (clean or renewable), network cooperation and information sharing, to create a strong energy hub in Ticino, to deal in a coordinated and united manner with the pressure of the liberalised market and to avoid losing market shares to suppliers outside of the Canton. To this end, the creation of a company for energy marketing in Ticino is being discussed with the distributors, to provide competitive energy to final customers in a simple and coordinated manner. AET intends to promote a single product with the distributors as far as energy from renewable sources is concerned. After several years of absence, AET is once again represented on the Boards of Directors of Ofima and Ofible, thanks to the insight of the Council of State. This decision will allow AET to act in a constructive and proactive manner during an important phase of market liberalisation and will create synergies and direct contacts with the representatives of other major shareholding companies present in the higher bodies of both companies.

## Collaboration with other active electricity players in Ticino and Switzerland

For AET it will be important to develop, improve and strengthen partnerships with other players (for example the Alpine cantons), active in Ticino and Switzerland, and with foreign partners with whom relations have long existed in the production, transportation and marketing of energy, to make the best possible use of all synergies.

With participation in the Lünen plant, AET has guaranteed its supply for the long term. At this point, initiatives to produce energy (electricity and heat) from renewable could be encouraged (particularly in Ticino). In this context, significant investments are expected, with the promotion of various technologies and initiatives.

#### **Development of renewable energy and Cantonal Energy Plan** guidelines

Within the updating of the corporate strategy, the guidance and policy choices that the Council of State and Local Parliament will adopt in the Cantonal Energy Plan will be taken into account, as well as energy policy guidelines which will be decided by the Confederation.

AET plans to increase its production share of renewable energy in Ticino and abroad, with investments in established projects that enjoy public support. Particular attention will be paid to the encouragement of photovoltaic and solar thermal systems, both by building our own facilities and through new forms of collaboration already under analysis, or through the development of technical services related to these technologies.

New initiatives must be followed and developed in the field of renewable energy, such as E-mobility, Smart metering and SmartGrid, and collaboration pursued with the University of Applied Sciences and Arts of Southern Switzerland (SUPSI), with the Canton and with other players in the area, to increase energy efficiency in general and promote environmentally-friendly initiatives.

#### **Electricity production**

#### Parco eolico del Gottardo and other wind farms outside of Ticino

AET plans to become the majority partner in the Gotthard wind farm and obtain permits to begin construction and make it operational at the earliest, actively cooperating with the municipality and the "patriziato" (patriciate) of Airolo, also related to the Gotthard project.

AET continues to value participation in wind farms in Switzerland and abroad, taking into consideration the technological, economic and market risks. In this context, possible collaboration with Swiss partners are being evaluated, for coordinated investments or consortia.

#### Hydroelectric plants

The design process for the Dalpe II hydroelectric plant is by now in its final phase, and further opportunities in the Canton will be evaluated.

As far as pump-turbine plants are concerned, operations for the construction of the Val d'Ambra II plant are continuing, as well as activities, together with AIL SA, to improve the Verzasca pump-turbine project.

#### **Thermal energy**

Within the context of investments in thermal energy and the distribution of gas and heat, AET plans to continue its assessment (in collaboration with its project partners) of the feasibility and economics of the "Oil-free Bodio" initiatives, district heating in northern Blenio and northern Leventina, as well as other opportunities that may arise.

Metanord SA plans to begin the construction of methane gas distribution networks towards the Bellinzona area, thus increasing the number of customers who will prefer gas, while reducing fuel-oil consumption. For the TERIS project, there are plans to obtain permits for the construction of the heat plant and the connection of the first customers, as well as plans to proceed with the distribution of heat as soon as possible. The development of TERIS and Metanord SA will have to be coordinated by AET, to obtain the best possible result for the environment, not to mention positive results for business.

In the field of geothermal energy, there are plans to pursue the feasibility studies and the seismic measurement campaigns in Ticino, to assess the existing local potential for such projects.

#### Conclusions

AET needs to develop projects in trade, energy production, power grid and distribution of gas and heat, according to the requirements set out by the law instituting AET and meeting the guidelines from the Cantonal Energy Plan. The objectives to reach are those defined by the proprietary Canton, developing cooperation between companies (not only electrical utilities) in the interests of the final customers and the economy of Ticino, favouring investments in renewable energy and energy efficiency, without overlooking the economic aspects.

## Proposal for allocation of profit

The Board of Directors, in accordance with LAET Art. 18 (respectively CO Art. 671, paragraph 2) and LAET Art.19, proposes to allocate the profit as follows:

|  | CHF 1,000 |
|--|-----------|
| Profit for the year 2009                               | 13,812    |
| + profit carryover at the beginning of financial year  | 789       |
| Retained earnings                                      | 14,601    |
| ./. to the State: 8% interest on the endowment capital | -3,200    |
| ./. devolution to the State                            | -10,000   |
| Carryovers in the new financial year                   | 1,401     |
|  |           |

On the basis of the documentation submitted we would therefore ask the State Council and the Grand Council, for ratification of:

- the Board of Directors management report for 2009;
- the financial statements for the year 2009;
- the proposal for allocation of profit;

and we suggest to grant the discharge to the management and the auditor's office for their management during 2009.



**for the Board of Directors** Chairman Fausto Leidi

Annual Report 2009 Azienda Elettrica Ticinese

## Financial statements

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## Balance sheet

|   |       | 31.12.2009 | 31.12.2008 |
|---|-------|------------|------------|
| ASSETS  |       |            |            |
|   | Notes | CHF 1,000  | CHF 1,000  |
|   |       |            |            |
| Operating plants                              |       | 119,528    | 137,555    |
| Real estate                                   |       | 12,079     | 10,693     |
| Plants under construction                     |       | 53,496     | 57,363     |
| Equipment and vehicles                        |       | 2,133      | 1,329      |
| Tangible fixed assets                         | 1     | 187,236    | 206,940    |
|   |       |            |            |
| Financial participations                      | 2     | 68,144     | 69,673     |
| Securities                                    | 3     | 19,806     | 19,806     |
| Long-term advances to participations          | 4     | 104,560    | 48,005     |
| Long-term loans and advances to third parties | 5     | 7,665      | 12,487     |
| Financial fixed assets                        |       | 200,175    | 149,971    |
| Intangible fixed assets                       | 6     | 136,671    | 143,740    |
| Total fixed assets                            |       | 524,082    | 500,651    |
|   |       |            |            |
| Receivables from the supply of energy         | 7     | 185,528    | 142,943    |
| Other receivables                             |       | 7,616      | 2,903      |
| Other assets                                  | 8     | 19,697     | 21,476     |
| Cash and cash equivalents                     | 9     | 26,241     | 16,689     |
| Total current assets                          |       | 239,082    | 184,011    |
|   |       |            |            |
| TOTAL ASSETS                                  |       | 763,164    | 684,662    |

|                                   |       | 31.12.2009 | 31.12.2008 |
|-----------------------------------|-------|------------|------------|
| LIABILITIES                       |       |            |            |
|                                   | Notes | CHF 1,000  | CHF 1,000  |
|                                   |       |            |            |
| Endowment capital                 |       | 40,000     | 40,000     |
| General reserves                  |       | 20,000     | 20,000     |
| Special reserves                  |       | 26,000     | 26,000     |
| Reserves for plants renewal       |       | 25,000     | 25,000     |
| Retained earnings                 |       | 14,601     | 13,989     |
| Total equity                      | 10    | 125,601    | 124,989    |
|                                   |       |            |            |
| Provisions                        | 11    | 198,000    | 170,000    |
|                                   |       |            |            |
| Bank loans                        | 12    | 210,000    | 210,000    |
| Customers advances                |       | 13,184     | 12,856     |
| Long-term liabilities             |       | 223,184    | 222,856    |
|                                   |       |            |            |
| Payables for the supply of energy | 13    | 166,759    | 111,215    |
| Short-term loans                  | 14    | 20,933     | 30,398     |
| Other payables                    | 15    | 4,954      | 3,634      |
| Other liabilities                 | 16    | 23,733     | 21,570     |
| Short-term liabilities            |       | 216,379    | 166,817    |
| Total liabilities and provisions  |       | 637,563    | 559,673    |
| TOTAL LIABILITIES                 |       | 763,164    | 684,662    |
|                                   |       | 705,104    | 004,002    |

## Income statement

| Notes<br>17<br>18 | CHF 1,000<br>1,433,067<br>-235,452<br>1,197,615 | CHF 1,000<br>1,223,782<br>-470,463  |
|-------------------|---|---|
|                   | -235,452  |   |
|                   | -235,452  |   |
| 18                |   | 170 162   |
|                   | 1,197.615                                       | -470,463  |
|                   | .,  | 753,319   |
|                   | 12,242  | 9,884   |
|                   | 1,209,857                                       | 763,203   |
|                   |   |   |
| 19                | 1,093,832                                       | 644,668   |
| 20                | 22,349  | 20,909  |
|                   | 5,680   | 5,742   |
| 21                | 20,441  | 17,074  |
|                   | 9,087   | 9,087   |
|                   | 1,852   | 1,879   |
|                   | 9,082   | 6,269   |
|                   | 1,162,323                                       | 705,628   |
|                   | 47,534  | 57,575  |
|                   | 3,126   | 2,388   |
|                   |   | -12,806   |
|                   | 28  | 108   |
|                   | -35   | -20   |
|                   | 42,307  | 47,245  |
| 22                | 4 735   | 203   |
|                   |   | -34,405   |
|                   |   | 13,043  |
|                   | 20  | 20 22,349   5,680   21 20,441   9,087   1,852   9,082   1,852   9,082   1,162,323   3,126   -8,346   28   -35   42,307   22   4,735 |

## Cash flow statement

|  | 2009      | 2008      |
|--|-----------|-----------|
|  | CHF 1,000 | CHF 1,000 |
|  |           |           |
| Cash and cash equivalents at the beginning of the financial period | 16,689    | 27,976    |
| Profit for the year  | 13,812    | 13,043    |
| Depreciation on tangible fixed assets                              | 9,248     | 7,790     |
| Amortisation on intangible fixed assets                            | 9,422     | 8,811     |
| Amortisation on financial fixed assets                             | 1,771     | 472       |
| Extraordinary amortisation on financial fixed assets               | 2,000     | _         |
| Other extraordinary non cash costs                                 | 3,513     | 132       |
| Profit on disposal of fixed assets                                 | -4,525    | _         |
| Increase in provisions   | 28,000    | 34,000    |
| CASH FLOW  | 63,241    | 64,248    |
| Change in current assets (except cash and cash equivalents)        | -45,519   | -20,699   |
| Change in short-term liabilities                                   | 56,927    | 13,115    |
| Cash flow from operating activities                                | 74,649    | 56,664    |
|  |           |           |
| Net investments in tangible fixed assets                           | 13,792    | -36,146   |
| Net investments in intangible fixed assets                         | 4,747     | –151,965  |
| Net investments in financial fixed assets                          | -61,299   | -49,738   |
| Cash flow from investment activities                               | -42,760   | -237,849  |
|  |           |           |
| Interests on capital due to the State                              | -3,200    | -3,200    |
| Distribution of profit to the State                                | -10,000   | -10,000   |
| Short-term loans   | -9,465    | 30,398    |
| Long-term loans  | 328       | 152,700   |
| Cash flow from financing activities                                | -22,337   | 169,898   |
| Net change in cash and cash equivalents                            | 9,552     | -11,287   |
|  |           |           |
| Cash and cash equivalents at the end of the financial period       | 26,241    | 16,689    |
|  |           |           |

### Annex to the financial statements

The financial statements of Azienda Elettrica Ticinese (AET) have been prepared in accordance with the provisions of the Swiss Code of Obligations (CO): the notes comply with the requirements of article 663b CO.

#### Principles adopted for the preparation of the financial statements

The key accounting principles adopted by AET for the preparation of the financial statements are described below. These principles remained unaltered compared to those adopted for the previous financial period. The most important valuation rules are as follows:

#### **Tangible fixed assets**

Tangible fixed assets are recorded at their purchase or construction cost, taking into account the necessary technical-economic depreciation. Depreciation is computed on a straight-line basis, and the technical life of the assets generally accepted within the sector.

Land is not depreciated (it is written off in case of value impairment). Buildings are recorded at their purchase cost and depreciated consistently with the operating plants. Operating equipment is depreciated according to its useful life. Plants under construction are recorded in the financial statements based on construction costs, according to the stage of progress. No depreciation is applied during the construction phase (except where necessary) and interests are not capitalised. The minimum and maximum depreciation periods for each tangible fixed-asset category are as follows:

| operating plants (civil engineering) | 30 – 80 years |
|--------------------------------------|---------------|
| operating plants (electromechanical) | 10 – 35 years |
| buildings                            | 50 years      |
| operating equipments                 | 3 – 7 years   |

#### **Financial fixed assets**

Participations are recorded at their cost value, adjusted to reflect any permanent value impairment or in accordance with the principle of prudent accounting. Securities are valued at the lower of their historical cost, or available bank quotations, and are classified as fixed assets, since they are considered to be long-term investments. Long-term advances in foreign currency are converted at year-end exchange rates, if these are lower than the historical exchange rates.

#### Intangible fixed assets

Transit rights are rights acquired to dispatch energy on lines owned by third parties. Amortisation is calculated according to the contractual agreements on the technical life of the plants. Other intangible fixed assets are valued at their purchase price amortised on a straight-line basis according to their useful life.

#### Receivables from the supply of energy and other receivables

Receivables are recorded in the financial statements at their face value, taking into account potential losses. Foreign currency receivables are converted at the year-end exchange rates.

#### **Other assets**

Foreign currency balances are converted at year-end exchange rates. Other assets include spare parts (completely depreciated), as well as work in progress on construction sites, conducted on behalf of external customers.

#### **Cash and cash equivalents**

Cash and cash equivalents are recorded in the financial statements at their nominal value and include cash, post and bank accounts as well as term deposits with banks with duration of less than three months.

#### Provisions

Provisions are deemed to cover third-party claims, whose timing and amount are not exactly quantifiable. These also include a position against energy procurement costs in case of unfavourable market development.

#### **Short-term liabilities**

All liabilities are recorded at nominal value and are short-term (maturity of less than 12 months). Liabilities in foreign currency are converted at year-end exchange rates.

#### **Pension fund**

Azienda Elettrica Ticinese is affiliated to a multi-employer pension fund together with other companies operating in the energy sector. This is an independent insurance institution structured on the basis of a defined benefit plan. All employees employed by the company are members of this institution from the 1st January following their 17th birthday: they are insured against death and disability risks. From the 1st January following their 24th birthday they also have a pension coverage for retirement. AET pays fixed premiums and has no commitments for further contributions: consequently, the company does not bear any risk and the pension fund scheme can be considered a defined contributions plan. In order to facilitate early retirement for its employees, AET is also affiliated to the "Early retirement fund for personnel of Azienda Elettrica Ticinese." In this case too, the only commitment taken on by AET the payment of is annual fixed premiums, with no commitments for energy further contributions.



## Notes to the financial statements

| 1 Tangible fixed assets             | Operating<br>plants | Real<br>estate | Plants under<br>construction | Operating<br>equipments | Total     |
|-------------------------------------|---------------------|----------------|------------------------------|-------------------------|-----------|
|                                     | plants              | cstate         | construction                 | equipments              |           |
|                                     | CHF 1,000           | CHF 1,000      | CHF 1,000                    | CHF 1,000               | CHF 1,000 |
| Cost value at 31.12.2008            | 456,883             | 19,040         | 57,363                       | 7,809                   | 541,095   |
| Carryovers                          | 24,567              | 2,586          | -27,153                      | -                       | -         |
| Investments                         | 127                 | -              | 23,286                       | 1,474                   | 24,887    |
| Disposals                           | -65,509             | -              | -                            | -154                    | -65,663   |
| Cost value at 31.12.2009            | 416,068             | 21,626         | 53,496                       | 9,129                   | 500,319   |
| Accumulated depreciation 31.12.2008 | -319,328            | -8,347         | -                            | -6,480                  | -334,155  |
| Carryovers                          | 916                 | -916           | -                            | -                       | _         |
| Depreciation                        | -8,294              | -284           | -                            | -670                    | -9,248    |
| Disposals                           | 30,166              | -              | -                            | 154                     | 30,320    |
| Accumulated depreciation 31.12.2009 | -296,540            | -9,547         | -                            | -6,996                  | -313,083  |
| Balance sheet value at 31.12.2008   | 137,555             | 10,693         | 57,363                       | 1,329                   | 206,940   |
| Balance sheet value at 31.12.2009   | 119,528             | 12,079         | 53,496                       | 2,133                   | 187,236   |
|                                     |                     |                |                              |                         |           |

The insured value of tangible fixed assets against fire risk amounts to CHF 454 million at 01.01.2010 (CHF 424 million at 01.01.2009).

| 2 Financial participations          | CHF 1,000 |
|-------------------------------------|-----------|
| Cost values at 31.12.2008           | 71,862    |
| Carryovers <sup>1</sup>             | -4,276    |
| Investments                         | 6,693     |
| Disposals                           | –175      |
| Cost values at 31.12.2009           | 74,104    |
| Accumulated depreciation 31.12.2008 | -2,189    |
| Carryovers                          | -         |
| Amortisations                       | -3,771    |
| Disposals                           | -         |
| Accumulated depreciation 31.12.2009 | -5,960    |
| Balance sheet values at 31.12.2008  | 69,673    |
| Balance sheet values at 31.12.2009  | 68,144    |

<sup>1</sup> TPWB reclassified from "Financial participations" to "Long-term loans and advances to third parties"

Please refer to the attached consolidated financial statements for further disclosure.

|  |     | Capital     | % of capital | 31.12.2009 | 31.12.2008 |
|--|-----|-------------|--------------|------------|------------|
|  |     |             |              | CHF 1,000  | CHF 1,000  |
| TKL GmbH&Co. KG                                | EUR | 147,944,200 | 15.84%       | 36,155     | 37,769     |
| KW Mattmark AG (via EGL)                       | CHF | 90,000,000  | 8.41%        | 12,901     | 13,058     |
| AKEB   | CHF | 90,000,000  | 7.00%        | 6,300      | 6,300      |
| AET NE1 SA                                     | CHF | 4,000,000   | 100.00%      | 4,000      | 100        |
| Metanord SA                                    | CHF | 11,334,000  | 29.42%       | 3,085      | 3,085      |
| Airlight Energy Holding SA                     | CHF | 12,500,000  | 18.05%       | 2,636      | 1,900      |
| Senco Holding SA                               | CHF | 150,000     | 50.00%       | 1,069      | 1,032      |
| SPE Società per Partecipazioni Energetiche SA  | CHF | 1,000,000   | 100.00%      | 1,000      | 1,000      |
| Calore SA                                      | CHF | 2,000,000   | 48.90%       | 978        | 978        |
| Parco eolico del San Gottardo SA               | CHF | 100,000     | 20.00%       | 20         | -          |
| ZET Zimmerli Energie-Technik AG in liquidation | CHF | 200,000     | 100.00%      | -          | -          |
| Tele Ticino SA                                 | CHF | 4,950,000   | 11.03%       | -          | -          |
| Geopower Basel AG                              | CHF | 6,136,000   | 4.76%        | -          | -          |
| Swisshydro AG                                  | CHF | 500,000     | 0.00%        | -          | 175        |
| TPWB GmbH&Co. KG <sup>1</sup>                  | EUR | 52,500,000  | 0.00%        | -          | 4,276      |
|  |     |             |              | 68,144     | 69,673     |
|  |     |             |              |            |            |

<sup>1</sup> TPWB reclassified from "Financial participations" to "Long-term loans and advances to third parties"

#### TKL GmbH & Co. KG, Aachen (D): CHF 36,154,709 (31.12.2008: CHF 37,768,893)

Participation of 15.84% (share calculated on rated output of plant) in the share capital of EUR 147,944,200, taken up in 2006. In the event of a loss, each partner will be charged a proportional share of the loss recorded for the year, which is entered in the income statement under depreciation and amortisation, for either the year in which it accrues or the following year.

#### Kraftwerke Mattmark AG, Saas Grund: CHF 12,901,000 (31.12.2008: CHF 13,058,000)

Sub-Participation through Elektrizitäts-Gesellschaft Laufenburg AG, for an 8.41% quota of the share capital of CHF 90 million, taken up in 2003. The purchase has been approved by decision of the Grand Council of the Canton Ticino (message 5309 of 26.11.2002).

The difference between the historical cost of the sub-holding (CHF 14,000,000) and the face value of the equity interest (CHF 7,569,000) is amortised on a straight-line basis over the period of concession (01.10.2002–30.09.2043).

**AKEB Aktiengesellschaft für Kernenergie-Beteiligungen, Lucerne:** CHF 6,300,000 (unchanged) Participation of 7% in the share capital of CHF 90 million (investment dating back to 1973).

#### AET NE1 SA, Bellinzona: CHF 4,000,000 (31.12.2008: CHF 100,000)

100% participation in the share capital of CHF 4,000,000. In 2009 AET sold its level 1 plants of the national electric grid to this company, in accordance with the terms down by the Federal Law dealing

with the procurement of electric energy (LAEL) and the related decree. At a later date (within five years from the effective date of the LAEL) these plants will be brought into the new company of the national electric grid.

#### Metanord SA, Bellinzona: CHF 3,085,430 (unchanged)

Participation of 29.42% (unchanged) in the share capital of CHF 11,334,000 (initial investment dating back to 2002). Metanord SA is planning investments of around CHF 120 million, to be funded through increases in the share capital and bank loans. AET will participate through direct loans and guarantees of up to CHF 35 million, in accordance with the legislative decree dated 18th October 2006 (commitment substantially unchanged from 31.12.2008).

#### Airlight Energy Holding SA, Biasca: CHF 2,636,200 (31.12.2008: CHF 1,900,000)

Participation of 18.05% (19% as at 31.12.2008) in the share capital of CHF 12,500,000 (face value CHF 2,256,200), taken up with effect from 2007. The initial investment of CHF 400,000 included a 100% goodwill (CHF 400,000) paid into company reserves.

#### Senco Holding SA, Locarno: CHF 1,069,167 (31.12.2008: CHF 1,031,667)

During the financial year the participation remained unchanged at 50% of the share capital of CHF 150,000. The original participation dates back to 1998. The increase in historical cost concerns a second share goowill paid to the company promoters. Once further contractually set goals have been achieved, the shareholders will have to pay the promoters of Senco Holding SA another goodwill, which for AET is amount to CHF 312,500 (as at 31.12.2008: CHF 350,000).

#### SPE Società per Partecipazioni Energetiche SA, Bellinzona: CHF 1,000,000 (unchanged)

100% participation and domiciled at AET's head office, taken up in 2006. For reasons connected with foreign tax liability, AET has transferred all foreign participations into this company.

#### Calore SA, Locarno: CHF 978,000 (unchanged)

Participation of 48.9% (unchanged) in the share capital of CHF 2 million, dating back to 1996. In 2008, as part of a collaboration agreement, we sold a further four shares (at par) to another shareholder.

#### Parco eolico del San Gottardo SA, Airolo: CHF 20,000 (new)

Participation of 20% (new) in the share capital of CHF 100,000. AET plans to increase its shareholding in the Parco eolico del San Gottardo SA, acquiring a shareholding currently held by REnInvest SA (80% shareholder as of 31.12.2009).

#### ZET Zimmerli Energie-Technik AG in liquidation, Zofingen: CHF 1 (new)

Participation of 100% (new) in the share capital of CHF 200,000. AET has renounced the restructuring of the subsidiary, which is burdened with excessive indebtness to ensure its future. The company is in liquidation.

#### Tele Ticino SA, Melide: CHF 1 (unchanged)

Participation of 11.03% in the share capital of CHF 4,950,000, dating back to 2000. The historical cost of the investment (CHF 546,000) was written down to CHF 1, in keeping with the principle of prudent accounting.
#### Geopower Basel AG, Basel: CHF 1 (unchanged)

Participation of 4.76% in the share capital of CHF 6,136,000, taken up in 2005. In application of the principle of prudent accounting, both the historical cost of the participation (CHF 200,000 in 2006 and CHF 92,000 in 2007) and the advance granted were depreciated to CHF 1.

The shareholders of Geopower Basel AG drew up an agreement committing them to pay in the necessary funds to the company, both in the form of capital increases and in the form of loans: as at 31.12.2009 AET had no residual commitments (unchanged).

#### Swisshydro AG, Poschiavo: transferred participation in 2009 (31.12.2008: CHF 175,000)

The participation of 35% on 31.12.2008 was sold in November 2009. Against a historical price of CHF 175,000 an extraordinary net profit of CHF 140,000 was achieved, recorded under "Extraordinary income."

For further information, please refer to the group consolidated statement.

| 3 Securities                                    | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Renewable Energy Investments SPC (Grand Cayman) | 19,806     | 19,806     |
|   |            |            |

The amount consists of the subscription cost of 1274 shares of EUR 10,000, at historical cost of purchase without recording exchange rate fluctuations.

Renewable Energy Investments SPC (REI) is an indipendent company, used as a financial vehicle to collect the funds necessary to finance the construction and management of wind power plants promoted by PurEnergy and REnInvest.

| 4 Long-term advances to participations                    | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| SPE Società per Partecipazioni Energetiche SA, Bellinzona | 95,747     | 46,808     |
| AET NE1 SA, Bellinzona                                    | 6,537      | -          |
| Geopower Basel AG, Basel                                  | 2,628      | 2,628      |
| - Provision for the advance to Geopower Basel AG          | -2,628     | -2,628     |
| Metanord SA, Bellinzona                                   | 1,580      | 367        |
| CEL Cerentino SA, Cerentino                               | 536        | 570        |
| Senco Holding SA, Locarno                                 | 150        | 150        |
| CEL Campo Vallemaggia SA, Campo                           | 10         | 110        |
| Total   | 104,560    | 48,005     |
|   |            |            |

The advance to Geopower Basel AG (subordinated for the amount of CHF 2.6 million) has been written down to CHF 1, in application of the principle of prudent accounting. Geopower Basel AG is still inactive, for an indefinite period. Following the increase of the participation in Senco Holding SA, which in turn owns participation in CEL Cerentino SA and CEL Campo Vallemaggia SA, the latter two companies joined the group's companies. The interest-free loan to CEL Cerentino SA has been approved through a resolution by the Grand Council of Canton Ticino (memorandum 5396), as was a previous similar loan to CEL Campo Vallemaggia SA (memorandum 5082).

The advance to Metanord is subordinated for the amount of CHF 1 million.

In respect of the loans granted to SPE Società per Partecipazioni Energetiche SA, CHF 15 million subordinated credits was granted (31.12.2008 CHF 15 million).

| The advance of AET to SPE allowed it to finance its activities, thereof in particular: | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
|  | CHF 1,000  | CHF 1,000  |
| CMC MeSta  | 34,616     | 9,746      |
| AET CoGen  | 20,722     | -          |
| CEG and sub-participations   | 17,272     | 17,590     |
| Other fixed and current assets   | 18,143     | 20,952     |
| Cash and cash equivalents  | 6,079      | 137        |
| Total SPE assets   | 96,832     | 48,425     |
|  |            |            |

| 5 Long-term loans and advances<br>to third parties | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
|  | CHF 1,000  | CHF 1,000  |
| EGL Laufenburg AG                                  | 4,709      | 5,694      |
| TPWB GmbH&Co. KG <sup>1</sup>                      | 2,864      | -          |
| Trianel European Energy Trading GmbH <sup>2</sup>  | -          | 6,052      |
| Advances to installations' suppliers               | 92         | 741        |
| Total  | 7,665      | 12,487     |
|  |            |            |

<sup>1</sup> TPWB reclassified from "Financial participations" to "Long-term loans and advances to third parties" <sup>2</sup> TEET reclassified from "Long-term loans and advances to third parties" to "Intangible fixed assets"

**Elektrizitäts-Gesellschaft Laufenburg AG:** EUR 3,181,636 (31.12.2008: EUR 3,848,302) Advance in EUR over 15 years, within the scope of an agreement for the supply of energy to Italian customers.

#### TPWB GmbH & Co. KG: EUR 1,931,310 (31.12.2008: EUR 2,625,000)

Advance in EUR reserved for the first payment of the equity of the company, which plans to develop and build an offshore wind farm in northern Germany. Due to technical and financial uncertainties in the project, AET decided to opt out of the initiative: the repayment of the advance is due in instalments, starting from the end of 2010.

| 6 Intangible fixed assets           | Operating | Other     | Capitalised | Total     |
|-------------------------------------|-----------|-----------|-------------|-----------|
| -                                   | licences  | rights    | expenses    | Total     |
|                                     |           | <b>J</b>  |             |           |
|                                     | CHF 1,000 | CHF 1,000 | CHF 1,000   | CHF 1,000 |
| Cost values at 31.12.2008           | 2,975     | 151,965   | 93          | 155,033   |
| Carryovers <sup>1</sup>             | -         | 7,028     | -           | 7,028     |
| Investments                         | 3,375     | -         | -           | 3,375     |
| Disposals                           | -2,435    | -7,410    | -           | -9,845    |
| Cost values at 31.12.2009           | 3,915     | 151,583   | 93          | 155,591   |
| Accumulated amortisation 31.12.2008 | -2,532    | -8,745    | -16         | -11,293   |
| Carryovers <sup>1</sup>             | -         | -977      | -           | -977      |
| Amortisation                        | -59       | -9,359    | -4          | -9,422    |
| Disposals                           | 2,216     | 556       | -           | 2,772     |
| Accumulated amortisation 31.12.2009 | -375      | -18,525   | -20         | -18,920   |
| Balance sheet values at 31.12.2008  | 443       | 143,220   | 77          | 143,740   |
| Balance sheet values at 31.12.2009  | 3,540     | 133,058   | 73          | 136,671   |
|                                     |           |           |             |           |

<sup>1</sup>TEET reclassified from "Long-term loans and advances to third parties" to "Intangible fixed assets"

| 7 Receivables from the supply of energy | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Ticino's distributors and industries    | 48,686     | 34,412     |
| State of Canton Ticino                  | 572        | 596        |
| Other clients in Switzerland            | 15,943     | 19,022     |
| Foreign clients                         | 120,327    | 88,913     |
| Total                                   | 185,528    | 142,943    |
|   |            |            |

The balance includes receivables in foreign currency for the sum of EUR 91 million (EUR 73 million as at 31.12.2008).

| 8 Other assets                                | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Advances for capacity auction at the frontier | 1,281      | 7,083      |
| Energy to be invoiced                         | 11,864     | 6,965      |
| Works in progress                             | 1,453      | 1,839      |
| Short-term advance                            | 989        | 986        |
| Other   | 4,110      | 4,603      |
| Total   | 19,697     | 21,476     |
|   |            |            |

The short-term advance relates to the repayment to be made by Elektrizitäts-Gesellschaft Laufenburg AG (EGL) within 12 months. The remainder of the advance is recorded under financial fixed assets. "Other" includes advanced ordinary operating expenses, which relate to the first months of the following financial year.

| 9 Cash and cash equivalents                                  | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
|  | CHF 1,000  | CHF 1,000  |
| Balances in CHF  | 7,082      | 3,571      |
| Balances in foreign currency (at the end of year equivalent) | 19,159     | 13,118     |
| Total  | 26,241     | 16,689     |
|  |            |            |

The entire amount is freely available, with the exception of the sum of CHF 2,669,760 (CHF 3,403,080 as at 31.12.2008), deposited as security into a foreign bank account to cover transactions on the Austrian and German markets. Cash and cash equivalents are held in current accounts (no amounts are held in short-term deposits).

| 10 Equity               | Endow-<br>ment<br>capital | General<br>reserves | Special<br>reserves | Reserves<br>for plants<br>renewal | Retained<br>earnings | Total     |
|-------------------------|---------------------------|---------------------|---------------------|-----------------------------------|----------------------|-----------|
|                         | CHF 1,000                 | CHF 1,000           | CHF 1,000           | CHF 1,000                         | CHF 1,000            | CHF 1,000 |
| Equity 31.12.2007       | 40,000                    | 20,000              | 26,000              | 25,000                            | 14,147               | 125,147   |
| Interest to the State   | _                         | _                   | _                   | _                                 | -3,200               | -3,200    |
| Allocation to the State | -                         | -                   | -                   | -                                 | -10,000              | -10,000   |
| Profit for 2008         | -                         | -                   | -                   | -                                 | 13,042               | 13,042    |
| Equity 31.12.2008       | 40,000                    | 20,000              | 26,000              | 25,000                            | 13,989               | 124,989   |
| Interest to the State   | -                         | -                   | _                   | -                                 | -3,200               | -3,200    |
| Allocation to the State | -                         | -                   | -                   | -                                 | -10,000              | -10,000   |
| Profit for 2009         | -                         | -                   | -                   | -                                 | 13,812               | 13,812    |
| Equity 31.12.2009       | 40,000                    | 20,000              | 26,000              | 25,000                            | 14,601               | 125,601   |
|                         |                           |                     |                     |                                   |                      |           |



| 11 Provisions                               | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Market risks and energy purchases           | 66,000     | 66,000     |
| Plants reversions                           | 97,000     | 69,000     |
| Loss risks in participations and securities | 20,000     | 20,000     |
| Promotion of alternative energy sources     | 3,000      | 3,000      |
| Other                                       | 12,000     | 12,000     |
| Total                                       | 198,000    | 170,000    |
|   |            |            |

The provision for reversions was increased by CHF 28 million in view of the expiration of licences granted to third parties and the intention to take over the related plants.

| 12 Bank loans   | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Dexia Crédit Local (Dublin), 10.01.2028, 3.4600% <sup>1</sup> | 150,000    | 150,000    |
| Dexia Crédit Local (Dublin), 01.06.2022, 3.1425%              | 25,000     | 25,000     |
| Zürcher Kantonalbank, bank's bond, 18.08.2025, 2.875%         | 20,000     | 20,000     |
| Zürcher Kantonalbank, bank's bond, 02.06.2016, 3.375%         | 15,000     | 15,000     |
| Total   | 210,000    | 210,000    |
|   |            |            |

<sup>1</sup> Repayments dates: CHF 50 million on 10.01.2018, CHF 50 million on 10.01.2023, CHF 50 million on 10.01.2028

| 13 Payables for the supply of energy | 31.12.2009 | 31.12.2008 |
|--------------------------------------|------------|------------|
|                                      | CHF 1,000  | CHF 1,000  |
| Ticino's distributors                | 12,731     | 359        |
| Swiss suppliers                      | 41,249     | 33,292     |
| Foreign suppliers                    | 112,779    | 77,564     |
| Total                                | 166,759    | 111,215    |
|                                      |            |            |

The balance includes payables in foreign currency for EUR 99.1 million (EUR 70.4 million as at 31.12.2008).

| 14 Short-term loans                                     | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Loans from financials institutions, in CHF              | 15,000     | 23,000     |
| Loans from financials institutions, in foreign currency | 5,933      | 7,398      |
| Total   | 20,933     | 30,398     |
|   |            |            |

### **15 Other payables**

The balance includes a debt of CHF 310,000 for social security contributions (as at 31.12.2008: CHF 251,000).

| 16 Other liabilities         | 31.12.2009 | 31.12.2008 |
|------------------------------|------------|------------|
|                              | CHF 1,000  | CHF 1,000  |
| Accruals for energy purchase | 10,746     | 9,054      |
| Personnel expenses           | 2,545      | 2,619      |
| Finance expenses             | 6,273      | 6,148      |
| Other liabilities            | 4,169      | 3,749      |
| Total                        | 23,733     | 21,570     |
|                              |            |            |

| 17 Gross revenue                                 | 2009      | 2008      |
|--|-----------|-----------|
|  | CHF 1,000 | CHF 1,000 |
| Markets outside Ticino                           | 1,221,406 | 1,041,192 |
| Ticino distributors and other clients            | 168,794   | 171,209   |
| Canton Ticino State services                     | 2,159     | 3,613     |
| Third party transit on AET lines and commissions | 40,708    | 8,720     |
| Decrease in revenues                             | -         | -952      |
| Total  | 1,433,067 | 1,223,782 |
|  |           |           |

The revenue figure "markets outside Ticino" includes sales with standardised products (see next item).

| 18 Standardised products revenue | 2009      | 2008      |
|----------------------------------|-----------|-----------|
|                                  | CHF 1,000 | CHF 1,000 |
| ./. standard products revenue    | -235,452  | -470,463  |
|                                  |           |           |

The volume of CHF 235.5 million (CHF 470.5 million in 2008) corresponds to the cost of standardised products sold during the financial period. These involve energy buying and selling transactions carried out on the market, as well as exchanges of energy agreed bilaterally with one or two counterparts.

| 19 Energy purchase                      | 2009      | 20      | 800 |
|---|-----------|---------|-----|
|   | CHF 1,000 | CHF 1,0 | 00  |
| Purchases outside of Ticino, net        | 976,024   | 557,4   | 39  |
| Purchases from participations           | 64,975    | 53,0    | 149 |
| Other purchases in Ticino               | 6,659     | 3,6     | 507 |
| Transit along third-parties power lines | 46,174    | 30,5    | 573 |
| Total                                   | 1,093,832 | 644,6   | 68  |
|   |           |         |     |

"Purchases from participations" also includes energy from participations held by Canton Ticino State (Officine idroelettriche della Maggia SA, Officine idroelettriche di Blenio SA, Verzasca SA).

| 20 Personnel expenses               | 2009      | 2008      |
|-------------------------------------|-----------|-----------|
|                                     | CHF 1,000 | CHF 1,000 |
| Salaries and other compensation     | 18,322    | 16,816    |
| Social contributions                | 3,772     | 3,552     |
| Other expenses                      | 456       | 704       |
| Recoveries from insurance companies | -201      | -163      |
| Total                               | 22,349    | 20,909    |
|                                     |           |           |

"Other expenses" mainly includes travelling expenses and education costs.

|   | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
| Company employees (situation at the end of the year): |            |            |
| Permanent employees                                   | 190        | 176        |
| Temporary auxiliary employees <sup>1</sup>            | 2          | 2          |
| Apprentices   | 11         | 11         |
| Total   | 203        | 189        |
|   |            |            |

<sup>1</sup> Auxiliary staff does not include cleaning personnel

| 21 Amortisation and depreciation for the year | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Amortisation and depreciation on fixed assets |           |           |
| – tangible                                    | 9,248     | 7,791     |
| – intangible                                  | 9,422     | 8,811     |
| – financial                                   | 1,771     | 472       |
| Total   | 20,441    | 17,074    |
|   |           |           |

### 22 Extraordinary income

Extraordinary income mainly refers to capital gains on the disposal of fixed assets: CHF 2.9 million relate to the sale of plants and rights to AET NE1 SA, while CHF 1.04 million refer to sales to CMC MeSta SA. The remaining is composed of other minor items.

| 23 Extraordinary expenses                                 | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Provision for reversions of power plants                  | 28,000    | 14,000    |
| Depreciation of ZET participation                         | 2,000     | -         |
| Loss on TPWB advance                                      | 1,130     | -         |
| Loss on ZET positions                                     | 600       | -         |
| Provision for loss risks on participations and securities | -         | 20,000    |
| Other   | 1,500     | 405       |
| Total   | 33,230    | 34,405    |
|   |           |           |

### **24 Complementary information**

| Guarantees and other commitments in favour of third parties | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Guarantees  | 88,373     | 75,963     |
| Other commitments   | 313        | 4,950      |
|   |            |            |

The guarantees, issued to foreign financial institutions, cover loans granted to the following affiliate companies:

| <ul> <li>CEG Srl (Gavirate) and subsidiaries:</li> </ul> | EUR 46.4 million (EUR 46.4 million as at 31.12.2008), |
|--|---|
|  |   |

- AET Italia Srl: EUR 9.1AET Idronord Srl: EUR 2.1
- EUR 9.5 million (EUR 2.4 million as at 31.12.2008),
  - EUR 2.0 million (EUR 2.5 million as at 31.12.2008),
- AET CoGen Srl: EUR 1.6 million (new).

Other commitments, commitments to take over participations:

- Senco Holding SA: residual commitment in favour of former shareholders, for a maximum amount of CHF 312,500 (CHF 350,000 as at 31.12.2008)
- ZET Zimmerli Energie-Technik AG in liquidation: considering to the liquidation of the company, the commitments made in 2008 are considered lapsed (2008: commitment to buy ZET for a maximum amount of CHF 4.6 million)

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#### Subsequent events

Financial year 2009: no significant events. Financial year 2008: no significant events.

| Total sum of guarantees issued by<br>third parties in favour of AET | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Guarantees issued by third parties in favour of AET                 | 17,967     | 12,819     |
|   |            |            |

The guarantees have been issued by AET's corresponding banks, in favour of our commercial counterparts.

#### Guidelines on performing risk assessment

During the past two financial years, risk assessment has been a central theme of the Board of Directors. During 2008, an analysis performed by external experts provided the necessary information to adapt the company organisation (still in consolidation).

Risk management officer was hired at the end of 2008 and a further team employee in 2009. The risk management officer reports directly to the Management and to the Board of Directors, participating in related committee meetings.

The Board of Directors and the Management pay particular attention to the assessment and management of risk and to the resources necessary to meet industry standards. To improve the management and assessment of market risks, a new software is under implementation. At the same time, the systematic management of all risks is being prepared, to be included in the company management concept.

From the financial point of view, one of the biggest risks is the weather, since most of the production facilities are located in Ticino. The level of energy prices on the international markets is another of the main factors of success, and also of risk, as security of supply and the sale of surplus production of AET's flowing hydro power plants depends on the market prices. There are also financial risks in the subsidiaries, especially those that build new power plants.

The trading on electricity markets involves the exposure of AET with considerable amounts owed to counterparties. AET trades mainly with large electricity companies in Switzerland, compared to boardering countries. Limits have been set for each counterpart, depending on the assessment of their financial strength. Nevertheless, in this respect, AET is exposed to counterparty risk.

#### Reclassifications

Accounting reclassifications made are disclosed in the notes to the financial statements. The financial statements for the previous year have not been restated.

#### **Contingent liabilities**

In the context of its trading activity, at year-end AET had no open positions other than those to fulfil the energy needs of the Canton Ticino.

In respect of commitments towards affiliates or their promoters, please refer to the comments regarding Metanord SA.

#### Leasing commitments

At the end of the year AET had commitments for CHF 58,538 (new).

There are no further facts subject to mandatory discosure according to art. 663b of the Swiss Code of Obligations.



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# Consolidated financial statements

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# Consolidated balance sheet

|  |       | 31.12.2009 | 31.12.2008 |
|--|-------|------------|------------|
| ASSETS                                 |       |            |            |
|  | Notes | CHF 1,000  | CHF 1,000  |
|  |       |            |            |
| Lands and buildings                    |       | 15,503     | 11,433     |
| Operating plants                       |       | 138,420    | 169,623    |
| Equipment and vehicles                 |       | 2,378      | 1,482      |
| Plants under construction and advances |       | 73,397     | 83,526     |
| Tangible fixed assets                  | 2     | 229,698    | 266,064    |
| Securities                             | 3     | 10.900     | 10.800     |
|  |       | 19,806     | 19,806     |
| Participations in associated companies | 4     | 18,844     | 4,810      |
| Other participations                   | 5     | 58,452     | 63,632     |
| Long-term financial assets             | 6     | 44,779     | 16,484     |
| Financial fixed assets                 |       | 141,881    | 104,732    |
| Goodwill                               | 7     | 331        | 496        |
| Other intangible fixed assets          | 8     | 142,945    | 149,562    |
| Intangible fixed assets                |       | 143,276    | 150,058    |
| Total fixed assets                     |       | 514,855    | 520,854    |
|  |       |            |            |
| Inventory                              |       | 5,749      | 4,677      |
| Receivables from supplies and services | 9     | 206,105    | 144,571    |
| Other receivables                      | 10    | 22,446     | 31,995     |
| Accrued income and prepaid expenses    | 11    | 21,639     | 19,994     |
| Cash and cash equivalents              | 12    | 39,735     | 17,679     |
| Total current assets                   |       | 295,674    | 218,916    |
| TOTAL ASSETS                           |       | 810,529    | 739,770    |
|  |       | 0.0,525    |            |

|                                      |       | 31.12.2009 | 31.12.2008 |
|--------------------------------------|-------|------------|------------|
| LIABILITIES                          |       |            |            |
|                                      | Notes | CHF 1,000  | CHF 1,000  |
|                                      |       |            |            |
| Endowment capital                    |       | 40,000     | 40,000     |
| Conversion differences               |       | 166        | 125        |
| Retained earnings                    |       | 78,729     | 86,862     |
| Equity attributable to AET           |       | 118,895    | 126,987    |
| Minority interests                   |       | 4,038      | -3,198     |
| Total equity                         |       | 122,933    | 123,789    |
|                                      |       |            |            |
| Provisions                           | 13    | 189,272    | 167,741    |
|                                      |       |            |            |
| Financial debt                       | 14    | 228,338    | 218,369    |
| Customers' advances                  | 15    | 13,240     | 12,900     |
| Long-term liabilities                |       | 241,578    | 231,269    |
|                                      |       |            |            |
| Payables for the supply of energy    | 16    | 185,422    | 149,853    |
| Short-term loans                     | 17    | 21,365     | 37,389     |
| Other payables                       | 18    | 20,613     | 7,308      |
| Deferred income and accrued expenses | 19    | 29,346     | 22,421     |
| Short-term liabilities               |       | 256,746    | 216,971    |
| Total liabilities and provisions     |       | 687,596    | 615,981    |
|                                      |       |            |            |
| TOTAL LIABILITIES                    |       | 810,529    | 739,770    |

# Consolidated income statement

|   |         | 2009      | 2008      |
|---|---------|-----------|-----------|
|   | Notes   | CHF 1,000 | CHF 1,000 |
| Operating income  |         |           |           |
| Gross revenue   | 20      | 1,462,004 | 1,223,782 |
| ./. Standardised products revenue                             | 20      | -235,452  | -470,463  |
| Net revenue   | 20      | 1,226,552 | 753,319   |
| Other operating income  | 21      | 49,734    | 59,783    |
| Total operating income  |         | 1,276,286 | 813,102   |
| Operating expenses  |         |           |           |
| Energy purchase   | 22      | 1,113,136 | 644,567   |
| Personnel expenses  | 22      | 23,254    | 21,336    |
| Material, fuel and services expenses                          | 25      | 43,407    | 55,383    |
| Depreciation of tangible fixed assets                         | 2       | 10,485    | 8,487     |
| Amortisation of other intangible fixed assets                 | 8       | 9,961     | 9,219     |
| Amortisation of goodwill                                      | 7       | 204       | 196       |
| Other operating expenses                                      | 24      | 27,337    | 21,170    |
| Total operating expenses                                      | <u></u> | 1,227,784 | 760,358   |
|   |         | .,,,      | 100,000   |
| Operating profit  |         | 48,502    | 52,744    |
| Financial income  | 25      | 3,612     | 2,320     |
| Financial expenses (-)  | 26      | -9,902    | -15,880   |
| Costs/income from participation in associated companies (+/-) | 4       | 187       | -221      |
| Depreciation financial fixed assets (-)                       | 27      | -1,991    | -604      |
| Non-operational income  |         | 160       | 108       |
| Non-operational expenses (-)                                  |         | -35       | -20       |
| Profit before extraordinary items                             |         | 40,533    | 38,447    |
| Profit from alienation of tangible fixed assets               |         | 1,507     | 27        |
| Profit from alienation of participations                      | 28      | 33        | 140       |
| Extraordinary income  |         | 3,666     | 381       |
| Extraordinary expenses (-)                                    | 29      | -33,656   | -32,693   |
| Profit before taxes   |         | 12,083    | 6,302     |
| Taxes   |         | 333       | -7        |
| Net profit of the Group                                       |         | 12,416    | 6,295     |
| Minority interests  |         | -7,412    | 7,372     |
| AET's net profit (of the year)                                |         | 5,004     | 13,667    |

# Consolidated cash flow statement

|   | 2009      | 2008                      |
|---|-----------|---------------------------|
|   | CHF 1,000 | CHF 1,000                 |
|   |           |                           |
| Cash and cash equivalents at the beginning of the financial period  | 17,679    | 31,304                    |
| Net profit of the Group   | 12,416    | 6,295                     |
| Depreciation and amortisation   | 20,650    | 17,902                    |
| Amortisation of financial fixed assets, extraordinary part included   | 5,121     | 604                       |
| Income from participations in associated companies  | –187      | 221                       |
| Profit from alienation of tangible fixes assets   | -1,507    | -27                       |
| Profit from alienation of participations  | -33       | -140                      |
| Increase in provisions  | 21,531    | 31,741                    |
| Consolidated CASH FLOW  | 57,991    | 56,596                    |
| Change in current assets (except cash and cash equivalents)   | -69,400   | -38,066                   |
| Change in short-term liabilities  | 55,676    | 47,234                    |
| Cash flow from operating activities   | 44,267    | 65,764                    |
| Net investments in tangible fixed assets  | 19,694    | -69,322                   |
| Net investments in intangible fixed assets  | 1,746     | -152,936                  |
| Variations of the consolidation's scope of participations consolidated with<br>the full consolidation method, net of cash | -75       | -37                       |
| Net investments in financial fixed assets   | -24,566   | -31,327                   |
| Cash flow from investment activities  | -3,201    | -253,622                  |
|   | 2 200     | 2.200                     |
| Interests on capital due to the State   | -3,200    | -3,200                    |
| Distribution of profit to the State   | -10,000   | -10,000                   |
| Short-term loans  | -16,024   | 34,767                    |
| Long-term loans   | 10,212    | 152,936<br><b>174,503</b> |
| Cash flow from financing activities   | -19,012   | 1/4,503                   |
| Net change in cash and cash equivalents   | 22,054    | -13,355                   |
|   |           |                           |
| Conversion differences on cash and cash equivalents   | 2         | -270                      |
| Cash and cash equivalents at the end of the financial period  | 39,735    | 17,679                    |

# Change in the consolidated equity

The table below shows the change in the consolidated shareholder's equity for the financial years ending on 31 December 2008 and 31 December 2009:

|                                      | Endow-<br>ment<br>capital | Conversion<br>differences | Retained<br>earnings | Equity at-<br>tributable<br>to AET | Minority<br>interests | Total<br>equity |
|--------------------------------------|---------------------------|---------------------------|----------------------|------------------------------------|-----------------------|-----------------|
|                                      | CHF 1,000                 | CHF 1,000                 | CHF 1,000            | CHF 1,000                          | CHF 1,000             | CHF 1,000       |
| Balances at 01.01.2008               | 40,000                    | 567                       | 86,237               | 126,804                            | 4,214                 | 131,018         |
| Interest on capital due to the State | -                         | -                         | -3,200               | -3,200                             | -                     | -3,200          |
| Distribution of profit to the State  | -                         | -                         | -10,000              | -10,000                            | -                     | -10,000         |
| Conversions differences              | -                         | -442                      | 314                  | -128                               | -56                   | -184            |
| Change in the consolidation scope    | -                         | -                         | -156                 | -156                               | 16                    | -140            |
| Net profit                           | -                         | -                         | 13,667               | 13,667                             | -7,372                | 6,295           |
| Balances at 01.01.2009               | 40,000                    | 125                       | 86,862               | 126,987                            | -3,198                | 123,789         |
| Interest on capital due to the State | -                         | -                         | -3,200               | -3,200                             | -                     | -3,200          |
| Distribution of profit to the State  | -                         | -                         | -10,000              | -10,000                            | -                     | -10,000         |
| Conversions differences              | -                         | 41                        | 63                   | 104                                | -176                  | -72             |
| Net profit                           | -                         | -                         | 5,004                | 5,004                              | 7,412                 | 12,416          |
| Balances at 31.12.2009               | 40,000                    | 166                       | 78,729               | 118,895                            | 4,038                 | 122,933         |

# Annex to the consolidated financial statements

### 1 Principles for the preparation of the consolidated financial statements

AET Azienda Elettrica Ticinese, Bellinzona ("the Parent Company") prepared its first group financial statements for the year closing on 31 December 2006.

The AET consolidated financial statements have been prepared by combining the values taken from the statutory financial statements of the individual companies included in the consolidation scope and by making the necessary consolidation entries in order to eliminate the intragroup balances and transactions.

#### **1.1 Consolidation principles**

#### 1.1.1 Companies consolidated using the full consolidation method

The AET consolidated financial statements include, in addition to the Parent Company's financial statements, the financial statements converted into CHF of the following Swiss and foreign companies directly or indirectly controlled by AET ("the Group"), consolidated on a line-by-line basis, using the full consolidation method:

|                | Currency | Nominal<br>capital | Owned<br>by | % of<br>voting<br>rights | % of<br>capital |
|----------------|----------|--------------------|-------------|--------------------------|-----------------|
| Participation* |          |                    |             |                          |                 |
| AET NE1        | CHF      | 4,000,000          | AET         | 100                      | 100             |
| SPE            | CHF      | 1,000,000          | AET         | 100                      | 100             |
| AET CoGen      | EUR      | 100,000            | SPE         | 100                      | 100             |
| AET Italia     | EUR      | 20,000             | SPE         | 100                      | 100             |
| CEG            | EUR      | 100,000            | SPE         | 50                       | 50              |
| Idronord       | EUR      | 1,000,000          | SPE         | 90                       | 90              |
| Quadra         | EUR      | 20,000             | SPE         | 50                       | 50              |
| BEG            | EUR      | 100,000            | CEG         | 50                       | 50              |
| BEO            | EUR      | 50,000             | CEG         | 100                      | 100             |
|                |          |                    |             |                          |                 |

\*For the full company name, registered office address and object of the affiliated companies, please refer to the Appendix (note 31)

In 2009 AET NE1 and AET CoGen were consolidated for the first time. Furthermore, CMC and CMC MeSta, were deconsolidated because of their sale to Nord Energia, expected for the first half of 2010.

The participations SPE, Idronord, AET NE1, AET CoGen and AET Italia are controlled by AET, respectively by SPE, through the ownership of majority voting rights.

Through its effective management control, SPE controls Quadra and CEG (which in turn controls BEO and BEG), although it owns just a 50% participation.

All the affiliated companies closed their financial year on 31 December 2009.

For participations in which AET and SPE do not own 100% of the capital, the percentage of the share capital and the economic result of the participated companies pertaining to minority shareholders is shown separately under the appropriate captions in the consolidated balance sheet and the consolidated income statement. The shareholder's equity at the time of the purchase is eliminated against the purchase cost of the participation; any resulting positive difference is treated as goodwill, accounted and amortised over a period of five years. Transactions between companies in the Group took place subject to market conditions ("at arm's length"). All significant balances and transactions between the companies in the Group are eliminated in the consolidation process.

#### 1.1.2 Companies valued using the equity method

The shares owned in the following associated companies, over which AET has significant influence but wich it does not control, are recorded in AET's consolidated financial statements using the equity method (recording the share of shareholder's equity and net profit, with neutral treatment of the differences attributable to exchange rate fluctuations).

As for the companies consolidated using the full consolidation method, the shareholder's equity at the time of the purchase is compared with the purchase cost of the participation; any resulting positive difference is treated as goodwill, accounted and amortised over a period of five years.

The shareholding into Swisshydro was disposed of in 2009. Therefore this participation is no longer included in the group financial statements.

|                              | Currency | Nominal<br>capital | Owned<br>by | % of<br>voting<br>rights | % of<br>capital |
|------------------------------|----------|--------------------|-------------|--------------------------|-----------------|
| Participation*               |          |                    |             |                          |                 |
| Calore                       | CHF      | 2,000,000          | AET         | 48.90                    | 48.90           |
| Eolico Gottardo <sup>1</sup> | CHF      | 100,000            | AET         | 20                       | 20              |
| Metanord                     | CHF      | 11,334,000         | AET         | 29.42                    | 29.42           |
| Senco Holding                | CHF      | 150,000            | AET         | 50                       | 50              |
| CMC MeSta <sup>2</sup>       | CHF      | 14,000,000         | SPE         | 100                      | 100             |
| CMC <sup>2</sup>             | EUR      | 20,000             | SPE         | 100                      | 100             |
| Nord Energia                 | EUR      | 200,000            | SPE         | 40                       | 40              |
| PurEnergy                    | EUR      | 100,000            | SPE         | 20                       | 20              |
| REnInvest                    | CHF      | 600,080            | SPE         | 20                       | 26.66           |
|                              |          |                    |             |                          |                 |

\* For the full company name, registered office address and object of the affiliated companies, please refer to the Appendix (note 31)

Notes / Changes taking place during the year 2009:

<sup>1</sup> Eolico Gottardo: company incorporated in 2009

<sup>2</sup> CMC MeSta and CMC: companies deconsolidated because of the planned sale to Nord Energia

#### 1.1.3 Other participations

The remaining participations are all held directly by AET, apart from KW Mattmark, held through an agreement with EGL, Octad held by SPE, as well as BEC, Biogen and Univa, held through CEG. They are recorded among financial fixed assets under the caption "other participations", valued at historical cost, adjusted for any impairment losses.

|                    | Currency | Nominal<br>capital | Owned<br>by | % of<br>voting<br>rights | % of<br>capital    |
|--------------------|----------|--------------------|-------------|--------------------------|--------------------|
| Participation*     |          |                    |             |                          |                    |
| Airlight Energy    | CHF      | 12,500,000         | AET         | 18.05                    | 18.05              |
| AKEB               | CHF      | 90,000,000         | AET         | 7                        | 7                  |
| Geopower           | CHF      | 6,136,000          | AET         | 4.76                     | 4.76               |
| KW Mattmark        | CHF      | 90,000,000         | AET         | -                        | 8.41               |
| Tele Ticino        | CHF      | 4,950,000          | AET         | 8.09                     | 11.03              |
| TKL                | EUR      | 147,944,200        | AET         | Pm <sup>1</sup>          | 15.84 <sup>2</sup> |
| ZET <sup>3</sup>   | CHF      | 200,000            | AET         | 100                      | 100                |
| Octad <sup>3</sup> | CHF      | 100,000            | SPE         | 50                       | 50                 |
| BEC <sup>3</sup>   | EUR      | 100,000            | CEG         | 70                       | 70                 |
| Biogen             | EUR      | 20,000             | CEG         | 3.75                     | 3.75               |
| Univa              | EUR      | 1,000,000          | CEG         | 1                        | 1                  |
|                    |          |                    |             |                          |                    |

\* For the full company name, registered office address and object of the participated companies, please refer to the Appendix (note 31)

#### Notes/Changes taking place during the year 2009:

<sup>1</sup> Every shareholder has the right to one vote, independently of their share of power in the plant.

<sup>2</sup> The share refers to the power (MW) subscibed by AET out of the total power of the plant

<sup>3</sup> Being closed/in liquidation

#### 1.2 Conversion of financial statements expressed in foreign currency

The consolidated financial statements are expressed in thousands of Swiss Francs (CHF 1,000). Assets and liabilities of the foreign controlled companies are converted at the exchange rates in force at the closing date. The income statement is converted applying the average annual exchange rates. The resulting conversion differences are directly included in shareholders' equity under a specific caption entitled "Conversion differences".

| The following exchange rates were applied (CHF/EUR): | 2009   | 2008   |
|--|--------|--------|
| Exchange rate at the closing date on 31.12           | 1.4832 | 1.4796 |
| Average exchange rate                                | 1.5304 | 1.6108 |
|  |        |        |

#### 1.3 Accounting principles

The Group's financial statements at 31 December 2009 and 2008 are mainly composed of the Parent Company's assets and liabilities, expenses and revenues.

The most significant accounting principles adopted by AET are set out below. The applied principles remained unchanged compared to those adopted for the previous financial year. The accounting principles of the consolidated companies don't differ significantly from those adopted by the Parent Company.

The Parent Company AET is not subject to taxation. The remaining consolidated companies are taxed in accordance with the ordinary legislation of the countries in which they are registered.

#### **Tangible fixed assets**

Tangible fixed assets are recorded at their purchase or construction cost, considering the necessary technical-economic depreciation. Depreciation is computed on a straight-line basis, taking into account the technical life of the assets generally recognised within the sector.

Land is not depreciated (it is written off in case of value impairment). Buildings are recorded at their purchase cost and depreciated consistently with the operating plants. Operating equipment is depreciated according to its useful life. Plants under construction are recorded in the financial statements based on construction costs, according to the stage of progress. No depreciation is applied during the realisation phase (except where necessary) and interest is not capitalised. The minimum and maximum periods of depreciation applied to the tangible fixed assets categories are:

| operating plants (civil engineering) | 30 – 80 years |
|--------------------------------------|---------------|
| operating plants (electromechanical) | 10 – 35 years |
| buildings                            | 50 years      |
| operating equipments                 | 3 – 7 years   |

#### **Financial fixed assets**

Other participations are recorded at cost, adjusted to reflect any permanent value impairment or in accordance with the principle of prudent accounting. Securities are valued at their historical cost, if this is lower than bank quotations, and recorded under fixed assets, since they are considered to be long-term investments. Long-term advances in foreign currency are converted at year-end rates, if these are lower than the historical exchange rates.

#### Intangible fixed assets

Transit rights are rights acquired for energy transit on third-party lines. Amortisation is calculated according to contractual agreements on the technical life of the plants.

Other intangible fixed assets are valued at their purchase price amortised on a straight-line basis according to their useful life. Projects underway are recorded in the financial statement based on construction costs, according to the stage of progress. No depreciation is applied during the realisation phase (except where necessary).

#### **Receivables for energy supplies and other receivables**

Receivables are recorded in the financial statements at their nominal value, taking into account potential losses. Foreign currency receivables are converted at the year-end exchange rates.

#### Cash and cash equivalents

Cash and cash equivalents are recorded in the financial statements at their nominal value and include cash, post and bank accounts, as well as term deposits with banks with duration of less than three months.

#### Provisions

Provisions are parly finalised to cover third party claims, whose timing and amounts are not exactly quantifiable. These also include a position against energy procurement costs in case of unfavourable market development.

#### **Short-term liabilities**

All liabilities are recorded at their nominal value. Short-term liabilities in foreign currency are converted at year-end rates.

#### Pension fund

Azienda Elettrica Ticinese is affiliated with a multi-employer pension scheme together with other companies operating in the energy sector. This is an independent insurance institution structured on the basis of a defined benefit plan. All employees employed by the company are members of this institution from January 1st following their 17th birthdays and are insured against death and disability risks. From January 1st following their 24th birthdays they also have a pension coverage for retirement. AET pays fixed premiums and has no commitments for further contributions. Consequently, the company does not bear any risk, and the pension fund scheme can be considered a defined contributions plan. In order to facilitate early retirement for its employees, AET is also affiliated with the "Early retirement fund for personnel of Azienda Elettrica Ticinese." In this case too, the only commitment taken on by AET is the payment of annual fixed premiums, with no commitments for any further contributions.



## Notes to the consolidated financial statements

| 2 Tangible fixed assets              | Lands<br>and<br>buildings | Operating<br>plants | Equipment<br>and<br>vehicles | Plants<br>under<br>construc-<br>tion and<br>advances | Total     |
|--------------------------------------|---------------------------|---------------------|------------------------------|--|-----------|
|                                      | CHF 1,000                 | CHF 1,000           | CHF 1,000                    | CHF 1,000  | CHF 1,000 |
| Cost values at 31.12.2008            | 19,910                    | 490,147             | 8,003                        | 83,589   | 601,649   |
| Variation of the consolidation scope | -                         | -20,552             | -                            | -  | -20,552   |
| Carryovers                           | 2,860                     | -4,312              | 2                            | -14,692  | -16,142   |
| Investments                          | 2,431                     | 1,727               | 1,611                        | 23,307   | 29,076    |
| Disposals                            | -                         | -29,762             | -154                         | -18,807  | -48,723   |
| Cost values at 31.12.2009            | 25,201                    | 437,248             | 9,462                        | 73,397   | 545,308   |
| Total depreciation 31.12.2008        | -8,473                    | -320,473            | -6,519                       | _  | -335,465  |
| Variation of the consolidation scope | -                         | -                   | -                            | -  | -         |
| Carryovers                           | -916                      | 29,796              | -                            | -  | 28,880    |
| Depreciation                         | -309                      | -9,457              | -719                         | -  | -10,485   |
| Disposals                            | -                         | 1,306               | 154                          | -  | 1,460     |
| Total depreciation 31.12.2009        | -9,698                    | -298,828            | -7,084                       | -  | -315,610  |
| Total amount at 31.12.2008           | 11,437                    | 169,674             | 1,484                        | 83,589   | 266,184   |
| Conversion differences               | -4                        | -51                 | -2                           | -63  | -120      |
| Total amount at 31.12.2008           | 11,433                    | 169,623             | 1,482                        | 83,526   | 266,064   |
|                                      |                           |                     |                              |  |           |
| Total amount at 31.12.2009           | 15,503                    | 138,420             | 2,378                        | 73,397   | 229,698   |

The insured value of tangible fixed assets against fire risk amounts to CHF 479 million at 01.01.2010 (CHF 456 million at 01.01.2009).

### **3 Securities**

The amount represents the subscription cost of 1274 shares of EUR 10,000 at the historical cost of purchase without recording exchange rate fluctuations.

Renewable Energy Investments SPC (REI) is an independent company, used as a financial vehicle to collect the funds necessary to finance the construction and management of wind power plants promoted by PurEnergy and REnInvest.

| 4 Participations in<br>associated companies<br>31.12.2009 | Equity<br>Capital | % Capital<br>owned<br>31.12 | Equity<br>attribut-<br>able to the<br>Group | Purchase<br>price | AET's share<br>of the 2009<br>net profit |
|---|-------------------|-----------------------------|---|-------------------|--|
| Company   | CHF 1,000         |                             | CHF 1,000                                   | CHF 1,000         | CHF 1,000                                |
| Calore  | 2,130             | 48.90                       | 1,042                                       | 978               | 44                                       |
| CMC MeSta   | 13,878            | 100.00                      | 13,878                                      | 14,000            | -82                                      |
| СМС   | 180               | 100.00                      | 180   | 32                | 149                                      |
| Eolico Gottardo   | 73                | 20.00                       | 15  | 20                | -5                                       |
| Metanord  | 8,844             | 29.42                       | 2,600                                       | 3,085             | -199                                     |
| Nord Energia  | 3,160             | 40.00                       | 1,264                                       | 312               | 1,050                                    |
| PurEnergy   | -                 | 20.00                       | -   | 33                | -  |
| REnInvest   | 2,170             | 26.66                       | 579   | 160               | 13                                       |
| Senco Holding   | 156               | 50.00                       | 78  | 56                | 9  |
| Consolidation effects                                     |                   |                             | -792  |                   | -792                                     |
| Total   |                   |                             | 18,844                                      | 18,676            | 187                                      |
|   |                   |                             |   |                   |  |

**Nord Energia:** the conversion difference on the value of shareholders' equity (2009: CHF 0 and 2008 CHF –14,000) has been recorded in a neutral manner.

**PurEnergy:** data are based on the lastest financial statements available, i.e. 2008. The value of the shareholder's equity pertaining to the group has been set to zero in accordance with the equity valuation method, taking into account the negative shareholders equity.

**REnInvest:** data are based on the last financial statements available, i.e. 2008.

**Senco Holding:** the value indicated in the purchase price column represents the share of the shareholders' equity acquired. The total price, including the goodwill acquired, is stated in note 7.

**Consolidation effects:** related to the elimination of the intragroup profit between AET and CMC MeSta, arising from the sale of fixed assets during the current financial period.

| 31.12.2008    | Equity<br>Capital | % Capital<br>owned<br>31.12 | Equity<br>attribut-<br>able to the<br>Group | Purchase<br>price | AET's share<br>of the 2008<br>net profit |
|---------------|-------------------|-----------------------------|---|-------------------|--|
| Company       | CHF 1,000         |                             | CHF 1,000                                   | CHF 1,000         | CHF 1,000                                |
| Calore        | 2,040             | 48.90                       | 997   | 978               | 36                                       |
| Metanord      | 9,519             | 29.42                       | 2,801                                       | 3,085             | -104                                     |
| Nord Energia  | 238               | 40.00                       | 95  | 193               | -20                                      |
| PurEnergy     | -329              | 20.00                       | -   | 36                | -  |
| REnInvest     | 2,122             | 26.66                       | 566   | 160               | 23                                       |
| Senco Holding | 139               | 50.00                       | 69  | 56                | 7  |
| Swisshydro    | 807               | 35.00                       | 282   | 175               | -163                                     |
| Total         |                   |                             | 4,810                                       | 4,683             | -221                                     |
|               |                   |                             |   |                   |  |

| 62 |  |
|----|--|
|    |  |

| 5 Other participations | Balance<br>01.01.2009 | Acquisi-<br>tions/<br>increases | Disposals/<br>Reclassifi-<br>cations | Variations<br>of the<br>consolida-<br>tion scope/<br>foreign<br>exchange<br>differences | Balance<br>31.12.2009 |
|------------------------|-----------------------|---------------------------------|--------------------------------------|---|-----------------------|
| Purchase price         |                       |                                 |                                      |   |                       |
| Company                | CHF 1,000             | CHF 1,000                       | CHF 1,000                            | CHF 1,000   | CHF 1,000             |
| AET NE1                | 100                   | -                               | -                                    | -100  | -                     |
| AKEB                   | 6,300                 | -                               | -                                    | -   | 6,300                 |
| Airlight Energy        | 1,900                 | 736                             | -                                    | -   | 2,636                 |
| Geopower               | 292                   | -                               | -                                    | -   | 292                   |
| KW Mattmark            | 14,000                | -                               | -                                    | -   | 14,000                |
| Tele Ticino            | 546                   | -                               | -                                    | -   | 546                   |
| TKL                    | 38,178                | -                               | -                                    | -   | 38,178                |
| TPWB                   | 4,276                 | -                               | -4,276                               | -   | -                     |
| ZET                    | -                     | 2,000                           | -                                    | -   | 2,000                 |
| BEC                    | 104                   | -                               | -                                    | -   | 104                   |
| BES                    | 59                    | -                               | -59                                  | -   | -                     |
| Univa                  | 16                    | -                               | -                                    | -   | 16                    |
| Octad                  | 50                    | -                               | -                                    | -   | 50                    |
| Biogen                 | -                     | 444                             | -                                    | -   | 444                   |
|                        | 65,821                | 3,180                           | -4,335                               | -100  | 64,566                |

| Provisions for devaluation | Balance<br>01.01.2009 | Devalua-<br>tions | Decreases | Variations<br>of the con-<br>solidation<br>scope | Balance<br>31.12.2009 |
|----------------------------|-----------------------|-------------------|-----------|--|-----------------------|
| Company                    | CHF 1,000             | CHF 1,000         | CHF 1,000 | CHF 1,000  | CHF 1,000             |
| Geopower                   | 292                   | -                 | -         | -  | 292                   |
| KW Mattmark                | 942                   | 157               | -         | -  | 1,099                 |
| Tele Ticino                | 546                   | -                 | -         | -  | 546                   |
| TKL                        | 409                   | 1,614             | -         | -  | 2,023                 |
| ZET                        | -                     | 2,000             | -         | -  | 2,000                 |
| Octad                      | -                     | 50                | -         | -  | 50                    |
| BEC                        | -                     | 104               | -         | -  | 104                   |
|                            | 2,189                 | 3,925             | -         | -  | 6,114                 |
| Total                      | 63,632                | -745              | -4,335    | -100   | 58,452                |
|                            |                       |                   |           |  |                       |

| 6 Long-term financial assets                                      | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| To third-parties  |            |            |
| Advance to EGL Laufenburg AG                                      | 4,709      | 5,694      |
| Advance to TPWB GmbH&Co.KG <sup>1</sup>                           | 2,864      | -          |
| Advance to Trianel European Energy Trading GmbH <sup>2</sup>      | -          | 6,052      |
| Advances to suppliers of operating plants and other installations | 2,257      | 3,541      |
|   | 9,830      | 15,287     |
| To associated participations                                      |            |            |
| CMC MeSta   | 20,616     | -          |
| CMC   | 12,057     | -          |
| Metanord <sup>3</sup>   | 1,580      | 367        |
| CEL Cerentino SA <sup>4</sup>                                     | 536        | 570        |
| Senco Holding   | 150        | 150        |
| CEL Campo Vallemaggia SA <sup>4</sup>                             | 10         | 110        |
|   | 34,949     | 1,197      |
| To other participations   |            |            |
| Geopower  | 2,628      | 2,628      |
| – provision for devaluation                                       | -2,628     | -2,628     |
|   | -          | -          |
| Total   | 44,779     | 16,484     |

 $^{\rm 1}\,{\rm TPWB}$  reclassified from "Other Participations" to "Long–term financial assets"

<sup>2</sup> TEET reclassified from "Long-term financial assets" to "Intangible fixed assets"

<sup>3</sup> Advance to Metanord is subordinated for the amount of CHF 1 million

<sup>4</sup> CEL Campo Vallemaggia and CEL Cerentino have been considered affiliated companies considering AET's 50% shareholding into Senco Holding SA, which owns a 20% holding in those companies.

During 2009 the following transactions with impact on goodwill were carried out (see note 4):

| Senco Holding SA                 | 31.12.2009 | 31.12.2008 |
|----------------------------------|------------|------------|
|                                  | CHF 1,000  | CHF 1,000  |
| Purchase price previous years    | 1,032      | 832        |
| Purchase price current year      | 39         | 200        |
| Acquired equity capital          | -56        | -56        |
| Goodwill                         | 1,015      | 976        |
| Cumulative goodwill amortisation | -480       | -284       |
| Annual 20% goodwill amortisation | -204       | -196       |
| Net value                        | 331        | 496        |
|                                  |            |            |

| 8 | Other | intangible | fixed | assets |  |
|---|-------|------------|-------|--------|--|
|---|-------|------------|-------|--------|--|

| Operating<br>licences | Other<br>rights                    | Capitalised<br>expenses   | Total  |
|-----------------------|------------------------------------|---|--|
| CHF 1,000             | CHF 1,000                          | CHF 1,000   | CHF 1,000  |
| 5,972                 | 153,364                            | 2,532   | 161,868  |
| -                     | -48                                | -   | -48  |
| -3,400                | 8,044                              | 6   | 4,650  |
| 3,581                 | 195                                | 545   | 4,321  |
| -                     | -7,410                             | -   | -7,410   |
| 6,153                 | 154,145                            | 3,083   | 163,381  |
| -2,734                | -9,251                             | -297  | -12,282  |
| -                     | 10                                 | -   | 10   |
| 2,216                 | -1,724                             | -   | 492  |
| -164                  | -9,540                             | -257  | -9,961   |
| 213                   | 1,092                              | -   | 1,305  |
| -469                  | -19,413                            | -554  | -20,436  |
| 3,238                 | 144,113                            | 2,235   | 149,586  |
| -                     | -12                                | -12   | -24  |
| 3,238                 | 144,101                            | 2,223   | 149,562  |
| 5,684                 | 134,732                            | 2,529   | 142,945  |
|                       | Licences<br>CHF 1,000<br>5,972<br> | licences       rights         CHF 1,000       CHF 1,000         5,972       153,364 | licences       rights       expenses         CHF 1,000       CHF 1,000       CHF 1,000         5,972       153,364       2,532         -       -48       -         -3,400       8,044       6         3,581       195       545         -       -7,410       -         6,153       154,145       3,083         -2,734       -9,251       -297         10       -       -         2,216       -1,724       -         -164       -9,540       -257         213       1,092       -         -469       -19,413       -554         3,238       144,113       2,235         -12       -12       -12         3,238       144,101       2,223 |

| 0. Descrive blas from somelies and comises |            |            |
|--|------------|------------|
| 9 Receivables from supplies and services   | 31.12.2009 | 31.12.2008 |
|  |            |            |
|  | CHF 1,000  | CHF 1,000  |
| Geographic breakdown:                      |            |            |
| Ticino                                     | 49,368     | 35,042     |
| Switzerland                                | 16,031     | 19,022     |
| Foreign countries                          | 140,706    | 90,507     |
| Total                                      | 206,105    | 144,571    |
|  |            |            |

| 31.12.2009 | 31.12.2008  |
|------------|---|
| CHF 1,000  | CHF 1,000   |
|            |   |
| 8,775      | 12,757  |
| 2,231      | 12,667  |
| 1,117      | 1,911   |
| 1,184      | 1,291   |
| 989        | 986   |
| 5,832      | 1,406   |
| 20,128     | 31,018  |
| 1,940      | 59  |
| 341        | 341   |
| 37         | 577   |
| 22,446     | 31,995  |
|            | CHF 1,000<br>8,775<br>2,231<br>1,117<br>1,184<br>989<br>5,832<br>20,128<br>1,940<br>341<br>37 |

<sup>1</sup> This position refers to Italian tax credits due to Italian associated companies deriving from the VAT amount on investments. The receivable will be set off against VAT due in 2010 and the following years.

| 11 Accrued income and prepaid expenses          | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   |            |            |
|   | CHF 1,000  | CHF 1,000  |
| To third parties                                |            |            |
| Initial leasing fee and interest <sup>1</sup>   | 4,282      | 4,359      |
| Advances for border's transit capacity auctions | 1,281      | 6,977      |
| Energy to be invoiced                           | 11,971     | 6,737      |
| Other   | 3,660      | 1,837      |
|   | 21,194     | 19,910     |
| To other participations                         | 423        | -          |
| To other "close" companies                      | 22         | 84         |
| Total   | 21,639     | 19,994     |

<sup>1</sup> Related to AET CoGen and the CEG Group

### 12 Cash and cash equivalents

The entire amount is readily available, with the exception of CHF 2,669,760 (2008: CHF 3,403,080) deposited as security into a foreign bank account to cover foreign commercial transactions. All cash and cash equivalents assets are held in current accounts (no amount is deposited on short term time deposits).

| 13 Provisions  | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
|  | CHF 1,000  | CHF 1,000  |
| Market risks and electric power provision                    | 66,000     | 66,000     |
| Plants reversions  | 97,000     | 69,000     |
| Promotion of alternative energy sources                      | 3,000      | 3,000      |
| Loss risks in non-consolidated participations and securities | 5,000      | 10,300     |
| Loss risks in consolidates participations                    | 6,250      | 7,400      |
| Other  | 12,022     | 12,041     |
| Total  | 189,272    | 167,741    |
|  |            |            |

| Financial debt  |            |            |
|---|------------|------------|
|   | 31.12.2009 | 31.12.2008 |
|   |            |            |
|   | CHF 1,000  | CHF 1,000  |
| Towards third parties   |            |            |
| Zürcher Kantonalbank, bank bond, 18.08.2025, 2.875%           | 20,000     | 20,000     |
| Zürcher Kantonalbank, bank bond, 02.06.2016, 3.375%           | 15,000     | 15,000     |
| Dexia Crédit Local (Dublin), 01.06.2022, 3.1425%              | 25,000     | 25,000     |
| Dexia Crédit Local (Dublin), 10.01.2028, 3.4600% <sup>1</sup> | 150,000    | 150,000    |
| Other   | 10,840     | 1,045      |
|   | 220,840    | 211,045    |
| Towards other "close" companies                               |            |            |
| Laborex SA  | 6,007      | 5,992      |
| Other shareholders of the Group CEG                           | 1,491      | 1,332      |
|   | 7,498      | 7,324      |
| Total   | 228,338    | 218,369    |
|   |            |            |

<sup>1</sup> Repayment dates: CHF 50 million on the 10.01.2018, CHF 50 million on the 10.01.2023, CHF 50 million on the 10.01.2028

| 15 Customer advances                                      | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Alptransit Gotthard AG – other advances                   | 12,934     | 11,834     |
| SES-other advances  | 250        | -          |
| State of Canton Ticino – advance on installations' supply | -          | 1,022      |
| Other   | 56         | 44         |
| Total   | 13,240     | 12,900     |
|   |            |            |

| 16 Payables for the supply of energy | 31.12.2009 | 31.12.2008 |
|--------------------------------------|------------|------------|
|                                      | CHF 1,000  | CHF 1,000  |
| Geographic breakdown:                |            |            |
| Ticino                               | 13,386     | 1,121      |
| Switzerland                          | 41,249     | 33,292     |
| Foreign countries                    | 130,787    | 115,440    |
| Total                                | 185,422    | 149,853    |
|                                      |            |            |

| 17 Short-term loans                                    | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
|  | CHF 1,000  | CHF 1,000  |
| Loans from financial institutions, in CHF              | 15,000     | 23,000     |
| Loans from financial institutions, in foreign currency | 6,365      | 14,389     |
| Total  | 21,365     | 37,389     |
|  |            |            |

| 18 Other payables          | 31.12.2009 | 31.12.2008 |
|----------------------------|------------|------------|
|                            | CHF 1,000  | CHF 1,000  |
| To third parties:          |            |            |
| Customers' advances        | 14,821     | 2,936      |
| Other                      | 5,650      | 4,209      |
|                            | 20,471     | 7,145      |
| To other participations    | -          | 7          |
| To other "close" companies | 142        | 156        |
| Total                      | 20,613     | 7,308      |
|                            |            |            |

| 19 Deferred income and accrued expenses | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   |            | •          |
|   | CHF 1,000  | CHF 1,000  |
| To third parties:                       |            |            |
| Power supply                            | 10,665     | 9,054      |
| Personnel expenses                      | 2,548      | 2,619      |
| Interest payable                        | 6,273      | 6,148      |
| Other                                   | 9,860      | 4,600      |
| Total                                   | 29,346     | 22,421     |
|   |            |            |

| <b>2009</b><br>CHF 1,000<br>170,840<br>193,614 | 2008<br>CHF 1,000<br>174,822 |
|--|------------------------------|
| 170,840  |                              |
| ·  | 174,822                      |
| 193,614  |                              |
|  | 195,550                      |
| 1,056,729                                      | 845,642                      |
| 39,446   | 5,978                        |
| -  | -952                         |
| 1,375  | 2,742                        |
| 1,462,004                                      | 1,223,782                    |
| -235,452                                       | -470,463                     |
| 1 226 552                                      | 753,319                      |
| -  |                              |

The volume of CHF 235.5 million (CHF 470.5 million in 2008) corresponds to the cost of standardised products sold during the financial period. These involve energy buying and selling transactions carried out on the market, as well as exchanges of energy agreed bilaterally with one or two counterparts.

| 21 Other operating income  | 2009      | 2008      |
|----------------------------|-----------|-----------|
|                            | CHF 1,000 | CHF 1,000 |
| Crude Palm Oil (CPO) sales | 34,140    | 30,731    |
| Revenues from services     | 3,060     | 15,672    |
| Green certificates         | 1,154     | 2,791     |
| Other                      | 11,380    | 10,589    |
| Total                      | 49,734    | 59,783    |
|                            |           |           |

| 22 Energy purchase                      | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Net purchases outside of Ticino         | 995,328   | 566,130   |
| Purchases from participations           | 64,975    | 44,257    |
| Other purchases in Ticino               | 6,659     | 3,607     |
| Transit along third parties power lines | 46,174    | 30,573    |
| Total                                   | 1,113,136 | 644,567   |
|   |           |           |

"Purchases from participations" includes energy purchased from participations held by the Canton Ticino State (Officine idroelettriche della Maggia SA, Officine idroelettriche di Blenio SA, Verzasca SA).

| 23 Personnel expenses               | 2009      | 2008      |
|-------------------------------------|-----------|-----------|
|                                     | CHF 1,000 | CHF 1,000 |
| Salaries and other compensation     | 18,974    | 17,124    |
| Social contributions                | 3,994     | 3,666     |
| Other expenses                      | 487       | 709       |
| Recoveries from insurance companies | -201      | -163      |
| Total                               | 23,254    | 21,336    |
|                                     |           |           |

|  | 31.12.2009 | 31.12.2008 |
|--|------------|------------|
| Consolidated company employees (situation at the end of the year): |            |            |
| Permanent employees  | 202        | 182        |
| Temporary auxiliary employees <sup>1</sup>                         | 2          | 2          |
| Apprentices  | 11         | 11         |
| Total  | 215        | 195        |
|  |            |            |

<sup>1</sup> Auxiliary staff does not include cleaners

| 24 Other operating expenses           | 2009      | 2008      |
|---------------------------------------|-----------|-----------|
|                                       | CHF 1,000 | CHF 1,000 |
| Water fees to the Canton Ticino State | 9,087     | 9,087     |
| Local taxes and other contributions   | 1,852     | 1,879     |
| Administration and commercial costs   | 13,977    | 6,971     |
| Leasing fees and other expenses       | 2,421     | 3,233     |
| Total                                 | 27,337    | 21,170    |
|                                       |           |           |

| 25 Financial income                       | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Dividends from EGL Mattmark participation | 341       | 341       |
| Dividends from AKEB participation         | 67        | -         |
| Interest income                           | 2,904     | 1,949     |
| Other                                     | 300       | 30        |
| Total                                     | 3,612     | 2,320     |
|   |           |           |
| 26 Financial expenses     |  | 2009      | 2008      |
|---------------------------|--|-----------|-----------|
|                           |  | CHF 1,000 | CHF 1,000 |
| Interest payments         |  | 8,872     | 9,594     |
| Exchange rate differences |  | 955       | 5,822     |
| Other                     |  | 75        | 464       |
| Total                     |  | 9,902     | 15,880    |
|                           |  |           |           |

| 27 Depreciation financial fixed assets                    | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Devaluation of the following other participations of AET: |           |           |
| – TKL   | 1,614     | 315       |
| – KW Mattmark   | 157       | 157       |
| – BEC   | 104       | -         |
| – Octad   | 50        | -         |
| Other   | 66        | 132       |
| Total   | 1,991     | 604       |
|   |           |           |

| 28 Profit from alienation of participations     | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Profit from the sale of 1% of Airlight Energy   | -         | 140       |
| Profit from the sale of Swisshydro <sup>1</sup> | 33        | -         |
| Total   | 33        | 140       |
|   |           |           |

<sup>1</sup> The amount rappresents the difference between the selling price and the equity value at 31.12.2008

| 29 Extraordinary expenses   | 2009      | 2008      |
|---|-----------|-----------|
|   | CHF 1,000 | CHF 1,000 |
| Provision for reversions of power plants                                    | 28,000    | 14,000    |
| Depreciation of ZET participation   | 2,000     | -         |
| Loss on TPWB advance  | 1,130     | -         |
| Loss on ZET positions   | 600       | -         |
| Provisions for loss risks on non-consolidated participations and securities | -         | 10,300    |
| Provisions for loss risks on consolidated participations                    | -         | 7,400     |
| Other   | 1,926     | 993       |
| Total   | 33,656    | 32,693    |
|   |           |           |

## **30 Complementary information**

| Leasing   | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Liabilities for leasing not recorded in the balance sheet | 60,472     | 63,102     |
|   |            |            |

Leasing liabilities not recorded in the balance sheet relate almost entirely to financial leasing contracts entered into by the CEG Group, AET CoGen and AET Idronord, in respect of production plants and buildings.

Guarantees of around CHF 88.4 million (EUR 59.5 million; in 2008: EUR 51.3 million) have been issued by AET to financial institutions to cover loans granted to the CEG Group, AET CoGen, AET Italia and AET Idronord and, from a consolidated point of view, represent guarantees granted to secure commitments of consolidated companies. Annual Report 2009 Notes to the consolidated financial statements

#### Subsequent events

Financial year 2009: no significant events occurred. Financial year 2008: no significant events occurred.

| Global amount of guarantees issued<br>by third parties in favour of AET | 31.12.2009 | 31.12.2008 |
|---|------------|------------|
|   | CHF 1,000  | CHF 1,000  |
| Guarantees issued by third parties in favour of AET                     | 17,697     | 12,819     |
|   |            |            |

The guarantees have been issued by AET's corresponding banks, in favour of our commercial counterparts.

#### **Contingent liabilities**

In the context of its trading activity, at year end AET did not have any open positions other than those contracted to meet the energy needs the Canton Ticino.

In respect of commitments towards affiliates or their promoters, we specify the following positions:

- Metanord SA: the company is planning investments of more than CHF 120 million, to be financed through capital increases and bank loans. AET will contribute to the financing with direct investments and guarantees up to CHF 35 million (commitment substantially unchanged from 31.12.2008, in accordance with the legislative decree dated 18th October 2006).
- Senco Holding SA: once further contractual goals have been achieved, the shareholders will have to pay the promoters of Senco Holding SA another premium (AET's residual commitment amounts to CHF 312,500 at 31.12.2009: CHF 350,000 at 31.12.2008).
- ZET Zimmerli Energie-Technik AG in liquidation: considering to the liquidation of the company, the commitments made in 2008 are considered lapsed (2008: commitment to buy ZET for a maximum amount of CHF 4.6 million).

#### Reclassifications

Accounting reclassifications made are discosed in the notes to the financial statements. The financial statements for the previous year have not been restated.

There are no further elements subject to mandatory disclosure according to art. 663b of the Swiss Code of Obligations.

# **31 Appendix**

| Abbreviated<br>name | Full name   | Location      | Activity  |
|---------------------|---|---------------|---|
| AET CoGen           | AET CoGen Srl   | Gavirate I    | Production of electrical and thermal energy   |
| AET Italia          | AET Italia Srl  | Milano I      | Energy trading  |
| AET NE1             | AET NE1 SA  | Bellinzona CH | Transit power grid administration   |
| Airlight Energy     | Airlight Energy Holding SA                                | Biasca CH     | Exploitation of alternative energy technologies   |
| AKEB                | AKEB Aktiengesellschaft für Kernenergie-<br>Beteiligungen | Lucerne CH    | Production and trading of thermonuclear energy  |
| BEC                 | Bio Energia Castellanza Srl                               | Castellanza I | Construction of biofuel plant in Castellanza  |
| BEG                 | Bio Energia Guarcino Srl                                  | Guarcino I    | Construction of biofuel plant in Guarcino   |
| BEO                 | Bio Elettricità Occimiano Srl                             | Como I        | Production, trading of electricity  |
| BES                 | Bio Energia Sibari Srl                                    | Sibari I      | Construction of biofuel plant in Sibari   |
| Biogen              | Biogen Chivasso Srl                                       | Chivasso I    | Construction of biofuel plant in Chivasso   |
| Calore              | Calore SA   | Locarno CH    | Production of heat/refrigeration  |
| CEG                 | Calore Elettricità Gas Srl                                | Como I        | Production of electrical and thermal energy   |
| СМС                 | Cavo Mendrisio-Cagno Srl                                  | Gavirate I    | Management of Stabio-Cagno line   |
| CMC MeSta           | CMC MeSta SA  | Bellinzona CH | Management of Mendrisio-Stabio line   |
| Eolico Gottardo     | Parco eolico del San Gottardo SA                          | Airolo CH     | Development and management of windpark  |
| Geopower            | Geopower Basel AG   | Basel CH      | Activity related to geothermal energy   |
| Idronord            | AET Idronord Srl  | Omegna I      | Construction and management of hydroelectric power stations                               |
| KW Mattmark         | Kraftwerke Mattmark AG                                    | Saas Grund CH | Sub-participation through EGL.<br>Electricity production                                  |
| Metanord            | Metanord SA   | Bellinzona CH | Construction of gas supply plants   |
| Nord Energia        | Nord Energia SpA  | Milano I      | Construction of structures for transporting electricity to and from abroad                |
| Octad               | Octad SA  | Lugano CH     | The company is not active, the previous business: vegetable oil trading                   |
| PurEnergy           | PurEnergy SA  | Luxembourg L  | Acquisition of participations, licences, etc. of companies operating in the energy sector |
| Quadra              | Quadra Srl  | Como I        | Main Contractor for the construction of vegetable oils fired power plants                 |

| REnInvest     | REnInvest SA                                   | Chiasso CH    | Promotion of investment opportunities in the exploitation of renewable energy   |
|---------------|--|---------------|---|
| Senco Holding | Senco Holding SA                               | Locarno CH    | Acquisition of participations in the hydroelectric and small-scale power plants |
| SPE           | SPE Società per Partecipazioni Energetiche SA  | Bellinzona CH | Subholding: holding of the foreign participation                                |
| Swisshydro    | Swisshydro AG                                  | Poschiavo CH  | Trading of hydroelettric energy   |
| Tele Ticino   | Tele Ticino SA                                 | Melide CH     | Radio and television productions  |
| TKL           | Trianel Kohlekraftwerk Lünen GmbH&Co.KG        | Aachen D      | Production and trading of energy from a coal-fired power plant                  |
| TPWB          | TPWB GmbH&Co. KG                               | Aachen D      | Production and trading of energy from off-shore wind park                       |
| Univa         | Univa Partecipazioni Spa                       | Varese I      | Assumption of participations in the Varese province                             |
| ZET           | ZET Zimmerli Energie-Technik AG in liquidation | Zofingen CH   | Technical services on plants and transmission                                   |
|               |  |               |   |



ERNST & YOUNG 2 Opinion In our opinion, the consolidated financial statements for the year ended 31 December 2009 comply with Swiss law and the consolidation and valuation principles as set out in the notes. Erns & Young Ltd e Stefano Caccia Licensec audit expert (Auditurin charge) Claudio Cereghett Licensed audit expert



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# Company officers

#### **Board of Directors**

| Leidi Fausto            | Chairman      |                 |
|-------------------------|---------------|-----------------|
| Netzer Marco            | Vice Chairman |                 |
| Bacchetta-Cattori Fabio |               | up to 31.8.2009 |
| Beffa Floriano          |               |                 |
| Gobbi Norman            |               | up to 31.8.2009 |
| Lombardi Sandro         |               |                 |
| Ogna Ronald             |               | from 1.9.2009   |
| Pedrina Fabio           |               |                 |
| Romerio Franco          |               | up to 31.8.2009 |
| Terrier Simon           |               | up to 28.2.2009 |

## **Audit office**

**Camponovo Aron** 

Gianini Sergio

Piazzini Gianluigi

# **Deputy auditor**

Paglia Erto

#### **Trust company**

Ernst & Young, Lugano

# Management

| Brunett Reto F. | Manager                            | up to 7.8.2009 |
|-----------------|------------------------------------|----------------|
| Nauer Claudio   | Manager a. i.                      | from 7.8.2009  |
|                 | Head of Administration Division    |                |
| Pronini Roberto | Manager a. i.                      | from 7.8.2009  |
|                 | Head of Grid Division              |                |
| Sartori Stefano | Head of Production Division        |                |
|                 |                                    |                |
| Tognola Giorgio | Head of Trading and Sales Division |                |
|                 |                                    |                |

# Statistical information

### 82 **Production in Ticino (in GWh)**

Production from existing plants in Ticino throughout 2009 (deducting pumping energy and excluding SBB) increased by 18% and was equal to 120% of the multiannual average.

|                                      | Winter | Summer  | Year    | 2008  |
|--------------------------------------|--------|---------|---------|-------|
|                                      |        |         |         |       |
| Biaschina                            | 128    | <br>323 | <br>451 | 420   |
| Piottino                             | 120    | 219     | 339     | 308   |
| Stalvedro                            | 22     | 42      | 64      | 56    |
| Tremorgio                            | 6      | 1       | 7       | 4     |
| Ponte Brolla                         | 6      | 8       | 14      | 1     |
| Lucendro                             | 81     | 71      | 152     | 99    |
| Verzasca                             | 75     | 187     | 262     | 267   |
| Morobbia                             | 13     | 35      | 48      | 55    |
| Giumaglio                            | 7      | 21      | 28      | 29    |
| Ticinetto                            | 1      | 9       | 10      | 9     |
| Stampa                               | 8      | 10      | 18      | 21    |
| Ceresa                               | 4      | 8       | 12      | 12    |
| Calcaccia                            | 4      | 11      | 15      | 15    |
| Minor stations and private producers | 15     | 21      | 36      | 37    |
| Subtotal                             | 490    | 966     | 1,456   | 1,333 |
| Maggia                               | 423    | 1,053   | 1,476   | 978   |
| Blenio                               | 382    | 638     | 1,020   | 1,036 |
| Total                                | 1,295  | 2,657   | 3,952   | 3,347 |
|                                      |        |         |         |       |

# Supply in Ticino (in GWh)

Electrical power consumption in the Canton decreased by 1.2% (+ 1.0% in winter, -3.8% in summer).

|                | Winter | Summer | Year  | 2008  | Increase % |
|----------------|--------|--------|-------|-------|------------|
|                |        |        |       |       |            |
|                |        |        |       |       |            |
| AEC Airolo     | 12     | 9      | 21    | 22    | -4.5       |
| AEC Ascona     | 30     | 28     | 58    | 58    | 0.0        |
| AEM Massagno   | 35     | 23     | 58    | 59    | -1.5       |
| AGE Chiasso SA | 64     | 56     | 120   | 120   | 0.5        |
| AIL Lugano SA  | 599    | 498    | 1,097 | 1,087 | 1.0        |
| AIM Mendrisio  | 81     | 68     | 149   | 154   | -2.7       |
| AMB Bellinzona | 161    | 129    | 290   | 287   | 1.0        |
| AMS Stabio     | 57     | 56     | 113   | 135   | -16.1      |
| CE Faido       | 9      | 6      | 15    | 13    | 9.8        |
| SES Locarno SA | 391    | 270    | 661   | 651   | 1.5        |
| TIMCAL SA      | 43     | 42     | 85    | 121   | -29.3      |
| Alptransit     | 39     | 39     | 78    | 64    | 20.3       |
| SSC and others | 12     | 13     | 25    | 35    | -26.3      |
| Total          | 1,533  | 1,237  | 2,770 | 2,806 | -1.2       |
|                |        |        |       |       |            |

From 2005 AIL data separate from AEM and from 2009 SES data separate from AEC Ascona.

| AIL Lugano SA     |  |
|-------------------|--|
| AEM Massagno      |  |
| AIM Mendrisio     |  |
| AMS Stabio        |  |
| AGE Chiasso SA    |  |
| SES Locarno SA    |  |
| AEC Ascona        |  |
| AMB Bellinzona    |  |
| AEC Airolo        |  |
| CE Faido          |  |
| End customers AET |  |
|                   |  |



### 84 **AET production and withdrawal (in MWh)**

Hydroelectric production, including affiliates and fees, was 1,767 million kWh, 22.4% higher than in 2008. The nuclear affiliate recorded a decrease by 10.5%, from 353 million kWh in 2008 to 316 million kWh in 2009. The purchase of energy increased by 24% compared with the previous period.

|                                |                       | Winter    | Summer     | Year           | 2008       |
|--------------------------------|-----------------------|-----------|------------|----------------|------------|
|                                |                       |           |            |                |            |
| Own production                 | Stalvedro             | 21,541    | <br>42,433 | 63,974         | <br>56,502 |
| -                              | Tremorgio             | 6,446     | 1,283      | 7,729          | 3,986      |
|                                | Piottino              | 119,879   | 218,801    | 338,680        | 308,495    |
|                                | Biaschina             | 128,148   | 322,909    | 451,057        | 420,094    |
|                                | Ponte Brolla          | 6,211     | 7,616      | 13,827         | 1,010      |
|                                | OFIMA payement        | 5,840     | 31,216     | 37,056         | 45,824     |
|                                | Photovoltaic          | 121       | 216        | 337            | 462        |
| Participations                 | Verzasca <sup>1</sup> | 25,166    | 62,495     | 87,661         | 88,976     |
|                                | Blenio                | 86,127    | 134,658    | 220,785        | 186,564    |
|                                | Maggia                | 85,029    | 215,882    | 300,911        | 117,076    |
|                                | Mattmark              | 29,649    | 40,837     | 70,486         | 36,785     |
|                                | AKEB (nuclear)        | 168,135   | 134,487    | 302,622        | 338,940    |
|                                | KK Leibstadt          | 7,609     | 6,375      | 13,984         | 13,870     |
|                                | CEG                   | 22,615    | 27,399     | 50,014         | 52,203     |
| Energy's purchase <sup>2</sup> | Purchase <sup>3</sup> | 6,509,175 | 5,803,552  | 12,312,727     | 9,917,610  |
|                                | Exchange power        | 1,091     | 204        | 1,295          | 11,996     |
| Total                          |                       | 7,222,782 | 7,050,363  | <br>14,273,145 | 11,600,393 |
|                                |                       |           |            |                |            |

<sup>1</sup> AET share

<sup>2</sup> Of which about 2,358 million kWh (4,697 million kWh in 2008) is attributable to standardised products

<sup>3</sup> The purchase covers 648 million kWh for the Italian market in 2009 and 415 million kWh in 2008

### **AET sales (in MWh)**

AET's distribution to customers decreased by 19 million kWh from 2008 (– 0.7%). The share of demand in the Canton covered by AET increased to 94.2% compared to 93.7% in 2008. Energy's sale recorded an increase of 2,817 million kWh (+ 31.7%) compared with the previous period.

|                            |                        | Winter    | Summer    | Year       | 2008       |
|----------------------------|------------------------|-----------|-----------|------------|------------|
|                            |                        |           |           |            |            |
| _                          |                        |           |           |            |            |
| Users                      | Distribution companies | 1,387,268 | 1,034,781 | 2,422,049  | 2,409,636  |
|                            | End customers          | 94,521    | 94,375    | 188,896    | 220,554    |
| Energy's sale <sup>1</sup> | Sale <sup>2</sup>      | 5,720,183 | 5,974,732 | 11,694,915 | 8,878,324  |
|                            | Exchange power         | 27,940    | 31,526    | 59,466     | 63,917     |
| Total                      |                        | 7,229,912 | 7,135,414 | 14,365,326 | 11,572,431 |
|                            |                        |           |           |            |            |
|                            |                        |           |           |            |            |
| Own consumption and losses |                        | 20,517    | 12,399    | 32,916     | 27,768     |
|                            |                        |           |           |            |            |

<sup>1</sup> The surplus energy includes 648 million kWh for the Italian market in 2009 and 415 million kWh in 2008

<sup>2</sup> Of which about 2,358 million kWh (4,697 million kWh in 2008) is attributable to standardised products

#### 86 **Production and withdrawal AET**



Supply





