

Teollisuuden Voima Oyj's Interim Report January 1–September 30, 2021

During the first three quarters of 2021, Teollisuuden Voima's (TVO) electricity generation at the Olkiluoto 1 (OL1) and Olkiluoto 2 (OL2) plant units continued safely and reliably.

The fuel loading of the Olkiluoto 3 EPR plant unit (OL3 EPR) was completed in April 2021. Due to extended turbine overhaul and inspection works, the plant unit will be connected to the national grid in February 2022, and regular electricity production starts in June 2022 according to the updated schedule received from the plant supplier Areva–Siemens consortium in August 2021.

The agreements regarding the amendments to the OL3 EPR project 2018 Global Settlement Agreement signed by TVO and the Areva–Siemens consortium entered into force in July 2021 when all conditions were fulfilled.

The construction work at Posiva's encapsulation plant and final disposal facility has proceeded as planned.

The TVO Group has taken extensive measures to prevent the spread of coronavirus (COVID-19) infections. Despite of COVID-19 restrictions, work has been able to continue under special arrangements.

Operating Environment

The work on drafting the EU's Sustainable Finance Taxonomy criteria for nuclear power continues. After the Joint Research Centre's (JRC) assessment of nuclear energy and the subsequent reviews by The European Commission's ad-hoc expert group and Euratom Art. 31 expert group, the preparatory work continues in the Commission. However, little progress has been made during the August summer vacation period. The schedule of the complementary delegated act is still uncertain – the Commission has stated that it intends to publish it as soon as possible.

The Commission published its so-called "Fit for 55" package in July 2021. The package contains the Commission's legislative proposals for achieving the EU's recently revised 55 percent emissions reduction target. Most of the proposals are overhauls of existing legislation such as the Emissions Trading System and the Renewable Energy Directive. New proposals include the carbon tariff for selected major imports into the EU, including electricity.

The Finnish Government gave a government proposal (HE 117/2021 vp) to the Parliament in September 2021 regarding law amendments to the Nuclear Liability Act and the Act Amending the Nuclear Liability

Act. In the proposal, it is suggested that that the maximum liability of the operator of a nuclear plant as referred to in the Nuclear Liability Act for a nuclear incident outside of Finland should be increased to EUR 1,200 million for nuclear plants used in energy production. The liability of the operator of a nuclear plant for a nuclear incident in Finland will stay unlimited. For nuclear plants used for other purposes than energy production and for the transportation of nuclear materials, the maximum liability would be EUR 80–250 million. The laws are meant to enter into force through a government decree simultaneously when the amendments to the Paris Convention and the Brussels Convention Supplementary to the Paris Convention enter into force for Finland.

Financial Performance

TVO operates on a cost-price principle (Mankala principle). The shareholders are charged incurred costs on the price of electricity and thus in principle the profit/loss for the period under review is zero, unless specific circumstances dictate otherwise. The shareholders pay variable costs based on the volumes of energy supplied and fixed costs in proportion to their ownership, regardless of whether they have used their share of the output or not. Because of this operating principle, key indicators based on financial performance will not be presented.



The consolidated turnover for the period under review January 1–September 30, 2021 was EUR 233.2 (January 1–September 30, 2020: EUR 216.3) million.

The amount of electricity delivered to shareholders was 10,467.9 (10,934.4) GWh. The lower delivery volume of the Olkiluoto plant units was due to longer outages compared to the previous year.

The consolidated profit/loss was EUR 2.0 (14.9) million. The profit/loss for the review period is affected by the updated decommissioning plan of the nuclear power plants, as well as the fixed costs charged from shareholders, which are higher than the incurred costs, and will be compensated to the shareholders by the end of the year. According to the Nuclear Energy Act, a licensee must regularly, at least every six years, present an update of the decommissioning plan for the approval of the Ministry of Economic Affairs and Employment (MEAE) during the continuation of operations based on an operating licence.

Financing and Liquidity

TVO's financial situation has developed as planned.

TVO's liabilities (non-current and current) at the end of the period in review, excluding the loan from the Finnish State Nuclear Waste Management Fund relent to shareholders, amounted to EUR 5,062.0 (December 31, 2020: 5,109.3) million, of which EUR 929.3 (929.3) million were subordinated shareholder loans. TVO raised a total of EUR 600.0 (September 30, 2020: EUR 320.0) million in non-current liabilities and repaid non-current liabilities in the amount of EUR 551.3 (346.3) million.

TVO has a syndicated revolving credit facility of EUR 1,000 million which matures in 2024.

TVO has agreed that the maturities of bilateral bank loans totaling EUR 775 million have been extended from 2022 and 2023 to 2024. Of these, a EUR 75 million loan has been repaid prematurely.

TVO issued in June a EUR 600 million seven-year bond with an annual coupon of 1.375 percent. The bond was issued under the Company's EMTN programme. TVO also announced that it has made an invitation to holders of its outstanding EUR 500 million Notes due in January 2023 to tender their Notes for purchase by TVO for cash. The tender offer results were announced on June 22, 2021. The aggregate principal amount validly offered for purchase by the noteholders was EUR 177,223,000. TVO accepted all valid instructions pursuant to the tender offer.

The OL3 EPR project's share of financing costs has been capitalized in the balance sheet.

TVO uses its right to borrow funds back from the Finnish State Nuclear Waste Management Fund within the framework of legal regulations. On September 30, 2021, the amount of the loan was EUR 711.3 (December 31, 2020: 716.4) million and it has been relent to TVO's A series shareholders. On March 31, 2021, the loan from the Finnish State Nuclear Waste Management Fund was decreased by EUR 5.1 (March 31, 2020: increased 125.0) million.

The credit rating agency S&P Global Ratings (S&P) affirmed on April 1, 2021 its long-term credit rating BB for TVO, and changed the outlook from negative to positive. According to S&P, the completion of fuel loading at the OL3 EPR plant unit is a significant sign of progress on the project.



Olkiluoto 1 and Olkiluoto 2

The electricity production of the Olkiluoto nuclear power plant units OL1 and OL2 during the period under review was 10,487 (10,869) GWh. The total load factor was 90.1 (93.1) percent.

The OL1 and OL2 plant units operated safely and reliably during the period under review. OL1's net production was 5,423 (5,339) GWh and the load factor 93.2 (91.4) percent. OL2's net production was 5,063 (5,530) GWh and the load factor 87.0 (94.7) percent.

Annual Outages

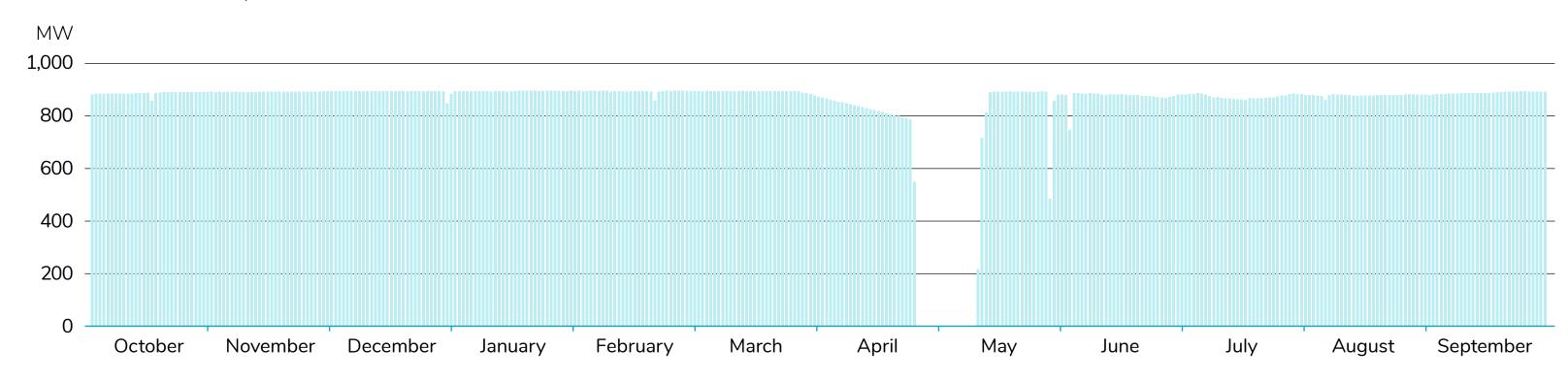
The refueling and maintenance outages carried out at the plant units on alternating years are designed to ensure that a good level of operability and production is maintained at the Olkiluoto nuclear power plant at all times.

The annual outages 2021 at the Olkiluoto nuclear power plant were carried out with special arrangements in place in order to prevent COVID-19 infections on the power plant site. A refueling outage was carried out at the OL1 plant unit, which started on April 25 and ended on May 11. In addition to refueling, the annual outage of the OL1 plant unit consisted of several other tasks, some of which were postponed from last year's annual outages due to the COVID-19 pandemic. Tasks included the main transformer replacement and a pressure test of the reactor primary circuit.

The OL2 plant unit underwent a maintenance outage, which started on May 16 and ended on June 18. In addition to refueling, major tasks during the maintenance outage included pump and piping replacements in the shut-down cooling system, replacement of containment electrical

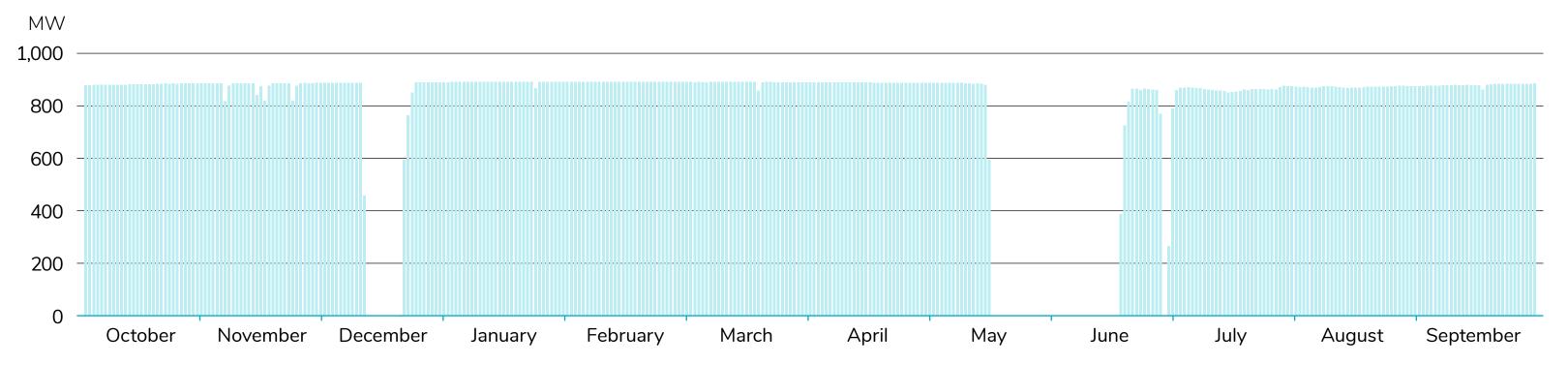
Olkiluoto 1

Average electrical power October 1, 2020–September 30, 2021



Olkiluoto 2

Average electrical power October 1, 2020–September 30, 2021





penetration modules, feed water system recirculation line modification, containment leak-tightness test, and inspection and vacuum cleaning of the reactor pressure vessel bottom.

Olkiluoto 3 EPR

OL3 EPR, currently under construction, was procured as a fixed-price turnkey project from a consortium (plant supplier) formed by Areva GmbH, Areva NP SAS, and Siemens AG. As stipulated in the plant contract, the consortium companies have joint and several liability for the contractual obligations.

In March 2018, TVO signed a comprehensive settlement agreement with the plant supplier consortium companies Areva NP, Areva GmbH, and Siemens AG as well as with the Areva Group parent company Areva SA, a company wholly owned by the French State. The settlement agreement concerned the completion of the OL3 EPR project and related disputes, and it entered into force in late March 2018. The supplier consortium companies committed to ensuring that the funds dedicated to the completion of the OL3 EPR project will be adequate and will cover all applicable guarantee periods, including setting up a trust mechanism funded by Areva companies to secure the financing of the costs for completing the OL3 EPR project. During the period under review, replenishing the trust was finished according to the terms of the 2018 Global Settlement Agreement (GSA), but it was replenished according to the amendment agreement which entered into force in July 2021 (see further below).

TVO and the Areva–Siemens consortium negotiated since summer 2020 on the terms of the OL3 EPR project completion. In addition, the Areva companies were preparing a financial solution which ensured the necessary funding for the companies to complete the OL3 EPR project. The parties reached a consensus in their negotiations regarding the

main principles of the OL3 EPR project completion in May 2021, and the agreements regarding the amendments to the OL3 EPR project 2018 GSA were signed in June 2021. Certain conditions had to be fulfilled in order for the agreements to enter into force, and all conditions were fulfilled on July 13, 2021.

Key matters of the agreement were:

- The Areva companies' trust mechanism, established in the GSA of 2018, was replenished in July with EUR 432.3 million.
- Both parties are to cover their own costs as of July 2021 until end of February 2022.
- In the case that the plant supplier consortium companies would not complete the OL3 EPR project until the end of February 2022, they would pay an additional compensation to TVO for delays, depending on the date of completion.
- In connection with the agreement entering into force, the plant supplier paid EUR 206.9 million of the EUR 400.0 million delay compensation as agreed in the GSA 2018.

The Radiation and Nuclear Safety Authority (STUK) granted a fuel loading permit for the OL3 EPR plant unit in March 2021, and the fuel loading was completed in April 2021. The completion of fuel loading meant that the OL3 EPR plant unit is a nuclear power plant in use. Due to extended turbine overhaul and inspection works, the plant unit will be connected to the national grid in February 2022, and regular electricity production starts in June 2022 according to the updated schedule received from the plant supplier Areva–Siemens consortium in August 2021.

The turbine overhaul at the OL3 EPR plant unit was initiated because of a jammed turbine. The cause was located to one of the three low pressure turbines. Inspections revealed that the low pressure turbine's

inner casing and rotor were damaged. The damages had been caused by the rotor touching the turbine's inner casing. During the overhaul, one of the low pressure turbine's rotors is replaced, and inspection work and small modifications are taking place at all of the low pressure turbines. The work has progressed according to plan. TVO is supporting the plant supplier in the overhaul and inspection works.

Before the startup of the reactor, the plant supplier is inspecting a deviation observed in the fuel.

In connection with the start of fuel loading, publishing the power output of the OL3 EPR plant unit was started on TVO's website. Publishing the power output will continue on the website until the start of the plant unit's regular electricity production. A market message will be published in NordPool also in the future regarding any significant changes.

At the end of the reporting period, the workforce at the construction site was approximately 1,600 people. Despite the COVID-19 pandemic, work at the OL3 EPR site has continued under special arrangements. The occupational safety at the site remained at a good level.

All realized costs of the OL3 EPR project that can be recognized in the cost of the asset have been entered as property, plant, and equipment in the Group balance sheet.

Nuclear Fuel

During the period under review, nuclear fuel purchases amounted to EUR 52.0 (65.6) million and the amount consumed to EUR 44.7 (45.4) million.

The nuclear fuel and uranium stock carrying value on September 30, 2021 was EUR 272.9 (December 31, 2020: 265.6) million.



Nuclear Waste Management

Under the Finnish Nuclear Energy Act, TVO is responsible for the measures related to nuclear waste management and the related costs.

The liabilities in the consolidated financial statement show a provision related to nuclear waste management liability of EUR 1,013.5 (December 31, 2020: 1,029.5) million, calculated according to the international IFRS accounting principles. A corresponding amount, under assets, represents TVO's share in the Finnish State Nuclear Waste Management Fund.

In order to cover the costs of nuclear waste management, TVO makes contributions to the Finnish State Nuclear Waste Management Fund in accordance with the Finnish Nuclear Energy Act. In November 2020, the MEAE set TVO's liability for nuclear waste management at EUR 1,450.6 (1,471.4) million to the end of 2020 and TVO's funding target in the Finnish State Nuclear Waste management Fund for 2021 at EUR 1,450.6 (1,471.4) million. In addition, the MEAE has decided that the liability for 2021 is EUR 1,755.7 million, of which EUR 1,394.2 million belongs to OL1/OL2 and EUR 361.5 million belongs to OL3 EPR.

In March 2021, the Finnish State Nuclear Waste Management Fund confirmed TVO's nuclear waste management fee refund for 2020 at EUR 28.7 (refund 42.3) million, which the Fund reimbursed to TVO on March 31, 2021 (reimbursed by the Fund on March 31, 2020). The nuclear waste management fee for 2021 will be confirmed in March 2022.

The investment activities of the Nuclear Waste Management Fund in accordance with the renewed Nuclear Energy Act start in 2022.

Final Disposal of Spent Nuclear Fuel

Posiva Oy is responsible for the final disposal of spent nuclear fuel generated at the power plants of its owners TVO (Olkiluoto NPP) and Fortum (Loviisa NPP).

Work at Posiva's encapsulation plant site and final disposal facility at ONKALO has progressed despite of measures to prevent the spread of COVID-19 infections. Detailed planning of the plant systems has continued with the preparation of construction plans for safety-classified systems and their processing by the authorities. The supplier selection for key equipment of the encapsulation plant is mostly done, and the design and manufacturing of equipment is progressing.

In May 2021, the excavation of the five first deposition tunnels started in ONKALO. STUK has verified that the preconditions specified for starting the work have been fulfilled.

Acquisitions of Tangible and Intangible Assets and Shares

Investments during the period under review were EUR 82.4 (31.0) million. Investments of the parent company were EUR 81.9 (22.1) million, of which EUR 41.8 (-10.3) million were allocated to the OL3 EPR project. The OL3 EPR investment is decreased by the additional compensation in accordance with the GSA, which has been recorded as EUR 160.0 million for the period under review. By the end of the review period, a total of EUR 400.0 million has been recorded in additional compensation, which is the compensation in full.

Hitachi ABB Power Grids and TVO have signed a contract about delivering one of Europe's largest battery energy storage systems to Olkiluoto. The 90-megawatt system will support the entire energy network in a potential production disturbance of the OL3 EPR plant unit, thus minimizing the effect of power fluctuations on the grid. The battery energy storage system will be commissioned in 2022.

During the review period, there were no purchases of carbon dioxide emission rights (EUR 1.7 million).

Pending Court Cases and Disputes

TVO and Wärtsilä Finland Oy (Wärtsilä) signed an agreement on the delivery of Emergency Diesel Generators and their auxiliary systems to the Olkiluoto nuclear power plant (the so-called EDG project) in 2013. In December 2018, Wärtsilä published a stock exchange release announcing a major provision it has made on two nuclear power plant projects to cover the cost exceedings and project delays, and that the allocation of responsibility for the additional costs and delays is in dispute. In April 2019, Wärtsilä announced in its notification addressed to TVO that EUR 65.0 million of the provision applies to TVO's EDG project. In October 2020, TVO initiated arbitration proceedings against Wärtsilä concerning the installation and commissioning schedule of the auxiliary diesel generators (EDG 1–8) in accordance with the EDG project's delivery agreement. The allocation of responsibility between the parties concerning the abovementioned additional costs and delays are to be resolved in the same proceedings.

TVO received in July 2021 Wärtsilä's counterclaim in the pending arbitration proceedings. Wärtsilä's monetary claim of additional costs is approximately EUR 40 million. TVO considers claims made by Wärtsilä to be without merit and will respond to them in due course.

TVO has not recorded any receivables or provisions on the basis of claims presented in the arbitration proceedings.

Personnel

The total number of personnel in the Group at the end of the period under review was 982 (December 31, 2020: 975, September 30, 2020: 968). The number of permanent employees in the Group at the end of the period under review was 956 (December 31, 2020: 956, September 30, 2020: 946).



M.Sc (Tech.), D.Sc (Tech.) Veli-Pekka Nurmi has been appointed as TVO's new Senior Vice President for Safety and Security Services as of January 1, 2022. TVO's current Senior Vice President for Safety and Security Services, M.Sc (Tech.) Mikko Kosonen, has been appointed as a Corporate Advisor as of January 1, 2022, and he will retire during the summer 2022.

Annual General Meeting

TVO's Annual General Meeting on March 31, 2021 approved the financial statements for 2020, confirmed the consolidated income statement and balance sheet, and discharged the members of the Board of Directors and the President and CEO from liability.

Hannu Jokinen and Petra Lundström were elected as new Board members, replacing Risto Andsten and Markus Rauramo. Other Board members were re-elected. At its organization meeting, the Board elected Ilkka Tykkyläinen as Chairman and Tiina Tuomela as Deputy Chairman. The Board also chose from among its members the members and chairmen of the Board Committees.

Extraordinary General Meeting

At TVO's Extraordinary General Meeting held on May 28, 2021, it was decided to approve the agreements regarding the amendments to the OL3 EPR project 2018 GSA with the plant supplier consortium companies, Areva NP, Areva GmbH, and Siemens AG, as well as the Areva Group parent company Areva SA.

Changes in Owner Structure

A change took place in TVO's shareholding on July 1, 2021, when Oy Mankala Ab bought all of the A and B series shares of Loiste Holding Oy. After the purchase, Oy Mankala Ab's relative shareholding of TVO's shares grew from 8.1379 percent to 8.2079 percent.

Auditing

The Interim Report is unaudited.

Risks and Uncertainty Factors in the Near Future

The major risks and uncertainty factors in TVO's operations have been presented in the 2020 Report of the Board of Directors.

The OL3 EPR plant unit's fuel loading was completed in April 2021. According to the schedule updated by the plant supplier in August 2021, the OL3 EPR plant unit will be connected to the national grid in February 2022, and regular electricity production starts in June 2022. As the OL3 EPR project is still ongoing, no assurance can be given that further delays would not materialize prior to completion of the OL3 EPR project.

An exit strategy related to the COVID-19 pandemic has been introduced in Olkiluoto together with the previous contingency plan. The aim of the exit strategy is to gradually lighten measures and instructions implemented in the TVO Group to prevent the spread of COVID-19. The Group is constantly assessing the situation, and its guidelines and practices comply with the guidelines and decisions of the Finnish Institute for Health and Welfare (THL) and the Finnish Government. Changes in the situation of the pandemic either globally or locally may cause divergent arrangements in the Group's operations also throughout the rest of the year.

Assessment of Year-End Developments

In the current financial year, electricity production is expected to continue as in previous years. The prerequisites for nuclear power production at Olkiluoto are good. Nuclear fuel availability is guaranteed by long-term agreements.

Preparing the OL3 EPR plant unit for production will be continued. After fuel loading, maintenance and finalization work as well as tests are continued. The most important test is the hot functional test, in which the reactor and turbine island is tested for use. During testing, dozens of separate tests are performed with different pressure and temperature levels. The hot functional test will be continued after the ongoing turbine overhaul. TVO will continue to support the plant supplier in completing the project.

Posiva continues the implementation of the final disposal plant project. The excavation work and technical acquisitions at the final disposal facility are progressing. Building and installation work as well as the qualification and production of equipment is taking place at the encapsulation plant. The operating licence application, which enables the beginning of final disposal activities, is being prepared for submittal.

The COVID-19 pandemic can cause uncertainty towards the end of the year and divergent arrangements in the Group's operations throughout the rest of the year.

Events after the Period under Review

No events after the period under review.

October 15, 2021

Teollisuuden Voima Oyj Board of Directors



Key Figures of TVO Group

| TVO Group (IFRS) (M€) | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
|--|------------|------------|------------|
| Turnover | 233 | 216 | 275 |
| Profit/loss for the period | 2 | 15 | 0 |
| Investments 1) | 82 | 31 | 56 |
| Equity | 2,073 | 1,814 | 2,043 |
| Subordinated shareholder loans (hybrid equity) (included in the former) 3) | 929 | 679 | 929 |
| Non-current and current interest-bearing liabilities (excluding loan from VYR) ²⁾ | 4,202 | 4,366 | 4,281 |
| Loan from VYR ²⁾ | 711 | 716 | 716 |
| Provision related to nuclear waste management | 1,013 | 1,038 | 1,030 |
| Balance sheet total | 8,116 | 8,065 | 8,181 |
| Equity ratio % ⁴⁾ | 32.4 | 28.7 | 31.7 |
| Average number of personnel | 1,011 | 987 | 984 |

¹⁾ Acquisitions of property, plant and equipment, intangible assets and shares are based on gross investments.

balance sheet total - provision related to nuclear waste management - loan from the Finnish State Nuclear Waste Management Fund

Key Figures of Teollisuuden Voima Oyj

| Taalliauudan Vaima Ovi (EAS) (Mf) | | | |
|--|------------|------------|------------|
| Teollisuuden Voima Oyj (FAS) (M€) Parent company's interim financial statement has been made in | | | |
| accordance with the Finnish Accounting Standards (FAS). | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
| | | | |
| Turnover | 229 | 214 | 271 |
| Profit/loss before appropriations | -13 | 17 | 8 |
| Fuel costs | 45 | 45 | 64 |
| Nuclear waste management costs | 22 | 19 | 28 |
| Capital expenditure (depreciation and financial income and expenses) | 28 | 25 | 34 |
| Investments 1) | 82 | 22 | 52 |
| Equity | 861 | 862 | 861 |
| Appropriations | 210 | 206 | 197 |
| Non-current and current interest-bearing liabilities | 4,133 | 4,278 | 4,180 |
| (excluding loan from VYR and shareholder loans) 2) | | | |
| Loans from equity holders of the company 3) | 929 | 679 | 929 |
| Loan from VYR 2) | 711 | 716 | 716 |
| Balance sheet total | 6,961 | 6,871 | 6,995 |
| Equity ratio % ⁴⁾ | 32.0 | 28.4 | 31.7 |
| Average number of personnel | 1,009 | 986 | 983 |

¹⁾ Acquisitions of tangible and intangible assets and shares are based on gross investments

Equity ratio % = $100 \times \frac{\text{equity + appropriations + loans from equity holders of the company}}{\text{balance sheet total - loan from the Finnish State Nuclear Waste Management Fund}}$

| Total | 10,468 | 10,934 | 14,645 |
|--|------------|------------|------------|
| Coal-fired power | 0 | 82 | 82 |
| Nuclear power | 10,468 | 10,852 | 14,563 |
| Electricity delivered to equity holders of the company (GWh) | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |



²⁾ The Finnish State Nuclear Waste Management Fund (VYR)

³⁾ Subordinated loans

⁴⁾ Equity ratio % = 100 x equ

²⁾ The Finnish State Nuclear Waste Management Fund (VYR)

³⁾ Subordinated loans

Consolidated financial statement in brief and notes

Consolidated income statement

| EUR 1,000 | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
|---|------------|------------|------------|
| Turnover | 233,183 | 216,334 | 275,120 |
| Work performed for own purposes | 18,489 | 15,033 | 21,217 |
| Other income | 9,527 | 9,058 | 13,253 |
| Materials and services | -57,932 | -49,210 | -78,230 |
| Personnel expenses | -60,784 | -52,524 | -72,493 |
| Depreciation and impairment charges | -32,796 | -34,106 | -45,461 |
| Other expenses | -82,606 | -67,545 | -86,183 |
| Operating profit/loss | 27,081 | 37,040 | 27,223 |
| Finance income | 9,139 | 8,492 | 11,616 |
| Finance expenses | -35,167 | -31,382 | -39,517 |
| Total finance income and expenses | -26,028 | -22,890 | -27,901 |
| Share of the profit/loss of joint ventures | 899 | 772 | 1,132 |
| Profit/loss before income tax | 1,952 | 14,922 | 454 |
| Profit/loss for the period | 1,952 | 14,922 | 454 |
| Profit/loss for the period attributable to: | | | |
| Equity holders of the company | 1,952 | 14,922 | 454 |

Consolidated statement of comprehensive income

| EUR 1,000 | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
|---|------------|------------|------------|
| Profit/loss for the period | 1,952 | 14,922 | 454 |
| Other comprehensive items | | | |
| Items that may be reclassified to profit or loss in subsequent periods: | | | |
| Cash flow hedges | 31,506 | -16,645 | -21,994 |
| Total other comprehensive profit/loss items for the period | 31,506 | -16,645 | -21,994 |
| Total comprehensive profit/loss for the period | 33,458 | -1,723 | -21,540 |
| | | | |
| Total comprehensive profit/loss for the period attributable to: | | | |
| Equity holders of the company | 33,458 | -1,723 | -21,540 |



Consolidated statement of financial position

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|--|-------------|-------------|-------------|
| Assets | | | |
| Non-current assets | | | |
| Property, plant and equipment | 5,700,279 | 5,652,806 | 5,664,650 |
| Intangible assets | 2,421 | 2,590 | 2,589 |
| Loans and other receivables | 714,106 | 893,393 | 959,286 |
| Investments in joint ventures | 5,135 | 3,875 | 4,236 |
| Investments in shares | 1,934 | 1,934 | 1,934 |
| Derivative financial instruments | 32,724 | 21,310 | 28,516 |
| Share in the Finnish State Nuclear Waste Management Fund | 1,013,467 | 1,037,832 | 1,029,522 |
| Total non-current assets | 7,470,066 | 7,613,740 | 7,690,733 |
| Current assets | | | |
| Inventories | 281,547 | 290,303 | 274,215 |
| Trade and other receivables | 243,855 | 37,742 | 52,231 |
| Derivative financial instruments | 3,826 | 3,808 | 2,515 |
| Cash and cash equivalents | 116,533 | 119,894 | 161,363 |
| Total current assets | 645,761 | 451,747 | 490,324 |
| Total assets | 8,115,827 | 8,065,487 | 8,181,057 |
| Equity and liabilities | | | |
| Capital and reserves attributable to equity holders of the company | | | |
| Share capital | 600,365 | 600,365 | 600,365 |
| Share premium reserve and statutory reserve | 242,383 | 242,383 | 242,383 |
| Fair value and other reserves | 4,134 | -22,023 | -27,372 |
| Subordinated shareholder loans (hybrid equity) | 929,300 | 679,300 | 929,300 |
| Retained earnings | 296,761 | 314,059 | 298,272 |
| Total equity | 2,072,943 | 1,814,084 | 2,042,948 |

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Liabilities | | | |
| Non-current liabilities | | | |
| Provision related to nuclear waste management | 1,013,467 | 1,037,832 | 1,029,522 |
| Loan from the Finnish State Nuclear Waste Management Fund | 711,266 | 716,447 | 716,447 |
| Bonds | 2,893,967 | 2,703,469 | 2,720,218 |
| Other financial liabilities | 883,070 | 1,102,045 | 1,092,051 |
| Derivative financial instruments | 18,898 | 46,961 | 40,413 |
| Total non-current liabilities | 5,520,668 | 5,606,754 | 5,598,651 |
| Current liabilities | | | |
| Current financial liabilities | 404,783 | 513,195 | 427,211 |
| Derivative financial instruments | 1,279 | 678 | 1,598 |
| Advance payments received | 19,789 | 17,475 | 19,789 |
| Trade payables | 7,947 | 38,391 | 8,330 |
| Other current liabilities | 88,418 | 74,910 | 82,530 |
| Total current liabilities | 522,216 | 644,649 | 539,458 |
| Total liabilities | 6,042,884 | 6,251,403 | 6,138,109 |
| Total equity and liabilities | 8,115,827 | 8,065,487 | 8,181,057 |



Consolidated statement of changes in equity

| EUR 1,000 | Share capital | Share premium reserve and statutory reserve | Reserve for invested non-restricted equity | Fair value and other reserves | Subordinated shareholder loans (hybrid equity) | Retained earnings | Attributable to equity holders of the company | Total equity |
|---|---------------|---|--|----------------------------------|--|-------------------|---|--------------|
| Equity 1 Jan 2021 | 600,365 | 242,383 | 0 | -27,372 | 929,300 | 298,272 | 2,042,948 | 2,042,948 |
| Profit/loss for the period | 0 | 0 | 0 | 0 | 0 | 1,952 | 1,952 | 1,952 |
| Other comprehensive profit/loss items: | | | | | | | | |
| Cash flow hedges | 0 | 0 | 0 | 31,506 | 0 | 0 | 31,506 | 31,506 |
| Interest paid of subordinated shareholder loans | 0 | 0 | 0 | 0 | 0 | -3,463 | -3,463 | -3,463 |
| (hybrid equity) | O . | | 0 | Ŭ. | | 3,400 | 3,403 | |
| Equity 30 Sep 2021 | 600,365 | 242,383 | 0 | 4,134 | 929,300 | 296,761 | 2,072,943 | 2,072,943 |
| | | | | | | | | |
| EUR 1,000 | Share capital | Share premium reserve and statutory reserve | Reserve for invested non-restricted equity | Fair value and other reserves | Subordinated shareholder loans (hybrid equity) | Retained earnings | Attributable to equity holders of the company | Total equity |
| Equity 1 Jan 2020 | 600,365 | 242,383 | 3 | -5,378 | 679,300 | 302,724 | 1,819,397 | 1,819,397 |
| Profit/loss for the period | 0 | 0 | 0 | 0 | 0 | 14,922 | 14,922 | 14,922 |
| Other comprehensive profit/loss items: | | | | | | | | |
| Cash flow hedges | 0 | 0 | 0 | -16,645 | 0 | 0 | -16,645 | -16,645 |
| Interest paid of subordinated shareholder loans (hybrid equity) | 0 | 0 | 0 | 0 | 0 | -3,587 | -3,587 | -3,587 |
| Acquisition of own shares | 0 | 0 | -3 | 0 | 0 | 0 | -3 | -3 |
| Equity 30 Sep 2020 | 600,365 | 242,383 | 0 | -22,023 | 679,300 | 314,059 | 1,814,084 | 1,814,084 |
| | | | | | | | | |
| EUR 1,000 | Share capital | Share premium reserve and statutory reserve | Reserve for invested non-restricted equity | Fair value and other reserves | Subordinated shareholder loans (hybrid equity) | Retained earnings | Attributable to equity holders of the company | Total equity |
| Equity 1 Jan 2020 | 600,365 | 242,383 | 3 | -5,378 | 679,300 | 302,724 | 1,819,397 | 1,819,397 |
| Profit/loss for the financial year | 0 | 0 | 0 | 0 | 0 | 454 | 454 | 454 |
| Other comprehensive profit/loss items: | | | | | | | | |
| Cash flow hedges | 0 | 0 | 0 | -21,994 | 0 | 0 | -21,994 | -21,994 |
| Subordinated shareholder loans (hybrid equity) | 0 | 0 | 0 | 0 | 250,000 | 0 | 250,000 | 250,000 |
| Interest paid of subordinated shareholder loans (hybrid equity) | 0 | 0 | 0 | 0 | 0 | -4,906 | -4,906 | -4,906 |
| Acquisition of own shares | 0 | 0 | -3 | 0 | 0 | 0 | -3 | -3 |
| Equity 31 Dec 2020 | 600,365 | 242,383 | 0 | -27,372 | 929,300 | 298,272 | 2,042,948 | 2,042,948 |



Consolidated statement of cash flows

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Operating activities | | | |
| Profit/loss for the period | 1,952 | 14,922 | 454 |
| Adjustments: | | | |
| Finance income and expenses | 26,028 | 22,889 | 27,901 |
| Depreciation and impairment charges | 32,796 | 34,106 | 45,461 |
| Share of the profit/loss of joint ventures | -899 | -772 | -1,132 |
| Other non-cash flow income and expenses | -18,171 | -28,957 | -29,268 |
| Sales profit/loss of property, plant and equipment and shares | 0 | -51 | -51 |
| Change in working capital: | | | |
| Increase (-) or decrease (+) in non-interest-bearing receivables | -972 | 35,115 | 21,527 |
| Increase (-) or decrease (+) in inventories | -7,313 | -20,554 | -4,465 |
| Increase (+) or decrease (-) in short-term non-interest-bearing liabilities | 4,683 | 10,276 | -9,191 |
| Interest paid and other finance expenses | -3,311 | -2,922 | -3,896 |
| Dividends received | 0 | 4,270 | 4,270 |
| Interest received | 3,939 | 3,213 | 3,217 |
| Cash flow from operating activities | 38,732 | 71,535 | 54,827 |
| Investing activities | | | |
| Acquisition of property, plant and equipment | -238,103 | -181,368 | -273,590 |
| OL3 EPR Project compensation | 206,875 | 0 | 0 |
| Proceeds from sale of property, plant and equipment | 0 | 127 | 127 |
| Acquisition of intangible assets | -194 | -678 | -741 |
| Loan receivables granted | 0 | -125,005 | -125,138 |
| Repayments of loans granted | 5,180 | 0 | 240 |
| Cash flow from investing activities | -26,242 | -306,924 | -399,102 |

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Financing activities | | | |
| Acquisition of own shares | 0 | -3 | -3 |
| Withdrawals of subordinated shareholder loans (hybrid equity) | 0 | 0 | 250,000 |
| Withdrawals of long-term loans | 600,000 | 445,005 | 228,715 |
| Repayment of long-term loans | -556,476 | -346,275 | -255,481 |
| Principal elements of lease payments | -2,022 | -1,961 | -2,052 |
| Interest paid of subordinated shareholder loans (hybrid equity) | -2,870 | -2,788 | -4,818 |
| Increase (-) or decrease (+) in interest-bearing receivables | 0 | 2,030 | 2,030 |
| Increase (+) or decrease (-) in current financial liabilities | 93,878 | 21,443 | 349,415 |
| Repayment of current financial liabilities | -189,830 | 0 | -300,000 |
| Cash flow from financing activities | -57,320 | 117,451 | 267,806 |
| | | | |
| Change in cash and cash equivalents | -44,830 | -117,938 | -76,469 |
| Cash and cash equivalents at the beginning of period | 161,363 | 237,832 | 237,832 |
| Cash and cash equivalents at the end of period | 116,533 | 119,894 | 161,363 |



Notes to the Interim Report

Accounting policies

The interim financial statements have been prepared in accordance with IAS 34 Interim Financial Reporting -standard. The accounting policies adopted are consistent with those of the Group's annual financial statements for the year ended on December 31, 2020. Additionally the changes according to the revised IAS/IFRS standards have been adopted. The coronaviruspandemic has not affected materially accounting policies nor reporting numbers.

Management's critical accounting estimates and assumptions

The preparation of Interim Report requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, income and expenses. The actual results may differ from these estimates. Significant assumptions made by the management in applying Group's accounting policies and crucial uncertainties were the same as the ones applied to the annual financial statements as for the year ended on December 31, 2020.

Olkiluoto 3 EPR

TVO's management has estimated that TVO is entitled to receive the compensation of EUR 400.0 million agreed in the comprehensive settlement agreement from Plant Supplier assuming that the start of regular electricity production of the OL3 EPR nuclear power plant unit will take place in February 2022. For the review period, TVO has recognized current receivables EUR 160.0 million. During the period under review, the Plant Supplier paid EUR 206.9 million of the EUR 400.0 million delay, therefore the non-interest-bearing receivables from the Plant Supplier amouts of EUR 193.1 million. The compensation decreases the historical costs of property, plant and equipment in the balance sheet.



Segment reporting

Segment structure in TVO

The Group has one reportable segment; nuclear power.

The electricity of the nuclear power segment is produced at two nuclear power plant units, Olkiluoto 1 and Olkiluoto 2 (OL1 and OL2). A new unit, Olkiluoto 3 (OL3), is under construction at Olkiluoto. The subsidiary of TVO, TVO Nuclear Services Oy (TVONS), of which operation is related to nuclear power, is also included in the nuclear power segment.

The electricity of coal-fired power segment was produced in 2020 by TVO share at the Meri-Pori coal-fired power plant. Fortum used TVO's share of the Meri-Pori capacity as of the beginning of 2019. TVO renounced its share of Meri-Pori's capacity in the beginning of July 2020 and acquired all the C-series shares it owns. All the C-series shares have been cancelled in July 2020.

Segment calculation principles

TVO Group discloses in the segment information; turnover, profit/loss for the period and assets, which the chief operation decision maker follows.

The chief operation decision maker follows reporting according to Finnish Accounting Standards (FAS). Adjustments made under IFRS accounting policies are reported in Group level.

Turnover by segments

| EUR 1,000 | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
|------------------|------------|------------|------------|
| Nuclear power | 233,183 | 210,521 | 269,308 |
| Coal-fired power | 0 | 5,813 | 5,812 |
| Total | 233,183 | 216,334 | 275,120 |

Profit/loss for the period by segments

| EUR 1,000 | Q1-Q3 2021 | Q1-Q3 2020 | Q1-Q4 2020 |
|---|------------|------------|------------|
| Nuclear power | 13,388 | 17,291 | 8,560 |
| Coal-fired power | 0 | 0 | 0 |
| Profit/loss before appropriations (FAS) | 13,388 | 17,291 | 8,560 |
| The impact of the nuclear waste management obligation | -12,235 | 584 | -5,962 |
| The impact of financial instruments | -547 | -11 | 338 |
| Other IFRS adjustments | 447 | 556 | 656 |
| Share of the profit/loss of joint ventures | 899 | -3,498 | -3,138 |
| Total (IFRS) | 1,952 | 14,922 | 454 |

Assets by segments

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Nuclear power | 6,961,334 | 6,871,251 | 6,995,740 |
| Coal-fired power | 0 | 0 | 0 |
| Total (FAS) | 6,961,334 | 6,871,251 | 6,995,740 |
| The impact of the nuclear waste management obligation | 1,128,678 | 1,171,825 | 1,156,968 |
| The impact of financial instruments | 7,545 | -1,016 | 6,586 |
| The impact of finance leases | 48,828 | 50,571 | 49,701 |
| Other IFRS adjustments | -34,682 | -30,008 | -31,163 |
| Share of the profit/loss of joint ventures | 4,124 | 2,864 | 3,225 |
| Total (IFRS) | 8,115,827 | 8,065,487 | 8,181,057 |



Property, plant and equipment and intangible assets

Changes in property, plant and equipment

| Closing net book amount | 5,700,279 | 5,652,806 | 5,664,650 |
|---|-------------|-------------|-------------|
| Accumulated depreciation from deduction | 0 | 0 | 9,142 |
| Depreciation and impairment charges | -32,487 | -33,798 | -45,048 |
| Decrease | -14,052 | -5,281 | -16,163 |
| Increase | 82,168 | 28,579 | 53,413 |
| Opening net book amount | 5,664,650 | 5,663,306 | 5,663,306 |
| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |

Changes in intangible assets

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Opening net book amount | 2,589 | 5,961 | 5,961 |
| Increase | 193 | 2,378 | 2,483 |
| Decrease | -52 | -5,441 | -5,715 |
| Depreciation and impairment charges | -309 | -308 | -413 |
| Accumulated depreciation from deduction | 0 | 0 | 273 |
| Closing net book amount | 2,421 | 2,590 | 2,589 |

The OL3 EPR investment is decreased by the additional compensation in accordance with the Global Settlement Agreement (GSA), which has been recorded as EUR 160.0 million for the review period. The additional compensation in accordance with the GSA has been recorded as EUR 400.0 million in total.

Nuclear fuel to be used during electricity production, totaling approximately EUR 250 million, will be part of current assets when the OL3 EPR plant unit starts commercial operation.



Financial risk management

The objectives of financial risk management and finance policy are the same as those applied to the annual financial statement for the year ended December 31, 2020.

Derivative financial instruments

Nominal values of the derivative financial instruments

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Interest rate swaps | 1,924,117 | 1,974,117 | 2,024,117 |
| Forward foreign exchange contracts and swaps 1) | 65,769 | 81,492 | 85,753 |
| Cross-currency swaps | 378,577 | 378,577 | 378,585 |
| Total | 2,368,463 | 2,434,186 | 2,488,455 |

¹⁾ Forward contracts are mainly used for hedging fuel purchases against currency risk. The opposite forward contracts, which have been acquired to adjust these hedging amounts are netted in the table with each other, whereby the nominal describes the protected position.

Fair values of the derivative financial instruments 1)

| | | | 30 Sep 2021 | | | 30 Sep 2020 | | | 31 Dec 2020 |
|--|----------|----------|-------------|----------|----------|-------------|----------|----------|-------------|
| EUR 1,000 | Positive | Negative | Total | Positive | Negative | Total | Positive | Negative | Total |
| Interest rate swaps | | | | | | | | | |
| Cash flow hedges | 10,222 | -15,905 | -5,684 | | -32,370 | -32,370 | 114 | -33,763 | -33,649 |
| Fair value hedges | 6,836 | | 6,836 | 11,806 | | 11,806 | 10,709 | | 10,709 |
| Non-hedges | | -4,267 | -4,267 | | -6,764 | -6,764 | | -6,460 | -6,460 |
| Forward foreign exchange contracts and swaps | | | | | | | | | |
| Cash flow hedges | 9,538 | | 9,538 | 10,369 | -193 | 10,175 | 7,324 | -1,218 | 6,106 |
| Non-hedges | 973 | -4 | 969 | 1,540 | -38 | 1,502 | 1,497 | -71 | 1,426 |
| Cross-currency swaps | | | | | | | | | |
| Non-hedges | 8,981 | | 8,981 | 1,403 | -8,274 | -6,871 | 11,387 | -499 | 10,888 |
| Total | 36,550 | -20,177 | 16,372 | 25,117 | -47,639 | -22,521 | 31,031 | -42,011 | -10,980 |

¹⁾ Cross-currency swaps related to Private Placements included.



TVO Group debt structure by maturity

30 Sep 2021

| Total | 87.564 | 410.840 | 364,491 | 1.272.852 | 569.657 | 676,104 | 101.104 | 611.818 | | 88.000 | 4.182.430 |
|---------------------------------|--------|---------|---------|-----------|---------|---------|---------|---------|------|--------|-----------|
| Commercial papers | 72,270 | 53,748 | | | | | | | | | 126,018 |
| Lease liabilities | 88 | 2,106 | 2,106 | 1,848 | 43,553 | | | | | | 49,702 |
| Loans from other sources | | 56,117 | | | | | | | | | 56,117 |
| Public bonds | | 250,561 | 311,777 | 644,900 | 500,000 | 650,000 | 75,000 | 600,000 | | 88,000 | 3,120,238 |
| Loans from financial institutes | 15,206 | 48,308 | 50,608 | 626,104 | 26,104 | 26,104 | 26,104 | 11,818 | | | 830,356 |
| EUR 1,000 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030- | Total |

TVO Group credit commitment by maturity

30 Sep 2021

| EUR 1,000 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030- | Total |
|--------------------------------------|------|------|------|-------|------|------|------|------|------|-------|-------|
| Syndicated revolving credit facility | | | | 1,000 | | | | | | | 1,000 |
| Bilateral revolving credit facility | | | | 100 | | | | | | | 100 |
| Bilateral bank loan | | | | | | | | | | | |
| Total | | | | 1,100 | | | | | | | 1,100 |

The average interest rate on loans and derivatives on September 30, 2021 was 1.58 % (31 Dec 2020: 1.56 %).

On September 30, 2021 the Group had undrawn credit facilities amounting to EUR 1,100 million (Dec 31, 2020: EUR 1,270 million). In addition, the Group had subordinated shareholder loan (hybrid equity) commitments totaling EUR 400 million (Dec 31, 2020: EUR 400 million) and cash and cash equivalents amounting to EUR 117 million (Dec 31, 2020: EUR 161 million).

Cash and cash equivalents consist of cash on hand, demand deposits and other current liquid investments. Fund units consist of fund unit investments that are valued at fair value.



Disclosure of fair value measurements by the level of fair value measurement hierarchy

| | | | 30 Sep 2021 |
|---|---------|---------|-------------|
| EUR 1,000 | Level 1 | Level 2 | Level 3 |
| Financial assets at fair value | | | |
| Derivative financial instruments at fair value through profit or loss | | 9,954 | |
| Derivative financial instruments designated as cash flow hedges | | 19,760 | |
| Derivative financial instruments designated as fair value hedges | | 6,836 | |
| Investments in other shares 1) | | | 1,934 |
| Total | | 36,550 | 1,934 |
| Financial liabilities at fair value | | | |
| Derivative financial instruments at fair value through profit or loss | | 4,272 | |
| Derivative financial instruments designated as cash flow hedges | | 15,905 | |
| Total | | 20,177 | |

¹⁾ On September 30, 2021 TVO has unquoted shares worth EUR 1,934 (31 Dec 2020: 1,934) thousand. Direct market prices are not available for unquoted shares and therefore their fair value is determined using methods based on management judgement.

Disclosure of fair value measurements by the level of fair value measurement hierarchy

| | | | 31 Dec 2020 |
|---|---------|---------|-------------|
| EUR 1,000 | Level 1 | Level 2 | Level 3 |
| Financial assets at fair value | | | |
| Derivative financial instruments at fair value through profit or loss | | 12,884 | |
| Derivative financial instruments designated as cash flow hedges | | 7,438 | |
| Derivative financial instruments designated as fair value hedges | | 10,709 | |
| Investments in other shares 1) | | | 1,934 |
| Total | | 31,031 | 1,934 |
| Financial liabilities at fair value | | | |
| Derivative financial instruments at fair value through profit or loss | | 7,030 | |
| Derivative financial instruments designated as cash flow hedges | | 34,981 | |
| Total | | 42,011 | |

Fair value estimation

The derivative financial instruments are initially recognized at fair value on the date a derivative contract is entered into and are subsequently measured at fair value. The fair values are determined using a variety of methods and financial valuation techniques, and assumptions are based on market quotations at the balance sheet date (Level 2). The fair value of the interest rate swaps is the present value of the estimated future cash flows. The forward contracts are measured using the market quotes at the closing date. The fair value of the interest rate options is calculated using market quotes at the closing date and by using the Black and Scholes option valuation model. The changes in fair value of the interest rate swaps and forward contracts are recognized in equity or profit or loss, depending on whether they qualify for cash flow hedges or not. The changes in fair value of interest rate options that do not qualify for hedge accounting are presented in the income statement.



Book values of financial assets and liabilities by categories

| | | | 30 Sep 2021 |
|--------------------------------|-----------------------------------|------------|-------------|
| | Financial liabilities measured at | | |
| EUR 1,000 | amortized cost | Book value | Fair value |
| Non-current liabilities | | | |
| Other financial liabilities 1) | 3,777,036 | 3,777,036 | 3,869,002 |

31 Dec 2020

| Fi | nancial liabilities measured at | | |
|--------------------------------|---------------------------------|------------|------------|
| EUR 1,000 | amortized cost | Book value | Fair value |
| Non-current liabilities | | | |
| Other financial liabilities 1) | 3,812,269 | 3,812,269 | 3,863,422 |

¹⁾ Bonds and EUR-fixed loans included

For other financial assets and liabilities than the ones presented in the table, the book value corresponds to their fair value.

Assets and provision related to nuclear waste management obligation

The balance sheet contains assets and liabilities concerning the nuclear waste management obligation

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|--|-------------|-------------|-------------|
| The carrying value of TVO's share in the Finnish State | 1,013,467 | 1,037,832 | 1,029,522 |
| Nuclear Waste Management Fund (non-current assets) | | | |
| Provision related to nuclear waste management | 1,013,467 | 1,037,832 | 1,029,522 |
| (non-current liabilities) | | | |

TVO's legal liability as stated in the Nuclear Energy Act and the Company's share in the Finnish State Nuclear Waste Management Fund

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|--|-------------|-------------|-------------|
| Liability for nuclear waste management | 1,450,600 | 1,471,400 | 1,450,600 |
| according to the Nuclear Energy Act | | | |
| Funding target obligation | 1,450,600 | 1,471,400 | 1,450,600 |
| TVO's share in the Finnish State Nuclear Waste | 1,450,600 | 1,471,400 | 1,478,800 |
| Management Fund | | | |
| Difference between the liability and TVO's | 0 | 0 | -28,200 |
| share of the fund | | | |



The costs of decommissioning of the power plant and disposal of spent fuel are covered by the provision related to the nuclear waste management obligation. Cost estimates are updated annually and the technical plans and total cost estimates every third year.

The profit/loss for the review period is affected by the updated decommissioning plan of the nuclear power plants. According to the Nuclear Energy Act, a licensee must regularly, at least every six years, present an update of the decommissioning plan for the approval of the Ministry of Economic Affairs and Employment (MEAE) during the continuation of operations based on an operating licence. The present initial value of the provision for the decommissioning of a nuclear power plant (at the time of commissioning the nuclear power plant) has been capitalized as property, plant and equipment and will be adjusted later for possible changes in the plan. The amount recognized relating to decommissioning will be depreciated over the estimated operating time of the nuclear power plant.

TVO contributes funds to the Finnish State Nuclear Waste Management Fund to cover future obligations based on the legal liability calculated according to the Nuclear Energy Act. The difference between the funding obligation target decided by the Ministry of Economic Affairs and Employment (MEAE) and TVO's actual share of the Finnish State Nuclear Waste Management Fund is paid in Q1 each year. The nuclear waste management liability of TVO is lower in the end of 2020 than in the previous year based on the decrease of nuclear waste management's total cost estimate updated every three years. Thus, assets refunded in March 2021 from the Nuclear Waste Management Fund to TVO in respect of 2020 according to the rules of the Fund. Assets from the Nuclear Waste Management Fund is estimated to refund to TVO also in respect of 2021.

The MEAE has decided that the nuclear waste management liability for 2021 is EUR 1,755.7 million, of which EUR 1,394.2 million belongs to OL1/OL2 and EUR 361.5 million belongs to OL3 EPR. The calculation according to IAS 37 for the OL3 EPR plant unit's nuclear waste management liability is started and the related provision is recorded in the balance sheet once the plant unit achieves criticality and operations which produce nuclear waste begin. Once the plant unit achieves criticality, the plant unit is contaminated, which commences a constructive obligation (a cleansing obligation). According to the schedule, the first criticality of the OL3 EPR plant unit will be in January 2022.

TVO's share in the Finnish State Nuclear Waste Management Fund on September 30, 2021 is EUR 1,450.6 million. The carrying amount in the balance sheet is EUR 1,013.5 million. The difference is due to the fact that IFRIC 5 limits the carrying amount of TVO's interest in the Finnish State Nuclear Waste Management Fund to the amount of the related liability since TVO does not have control over the Finnish State Nuclear Waste Management Fund. As long as the Fund is overfunded from an IFRS perspective, the effects to operating profit from this adjustment will be positive if the provision increases more than the Fund, and negative if actual value of the fund increases more than the provision.

TVO has issued the State the shareholders' guarantees as security to cover the unexpected events as determined in the Nuclear Energy Act.

The guarantees are presented in the note Obligations and other commitments.

Obligations and other commitments

Pledged promissory notes and financial guarantees

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|---|-------------|-------------|-------------|
| Pledged promissory notes to the Finnish State Nuclear | | | |
| Waste Management Fund | 711,266 | 716,447 | 716,447 |
| Guarantees given by shareholders related to the nuclear | | | |
| waste management obligation | 480,670 | 95,880 | 95,880 |

According to the Nuclear Energy Act 44 §, the company liable for nuclear waste management must assign securities to the state according to the terms stipulated by 45 § before operations which produce waste are initiated, and otherwise at the end of each June. The Ministry of Economic Affairs and Employment has accepted TVO's shareholder companies' absolute guarantees as securities to be assigned to the state once the OL3 EPR plant unit begins operations.

Investment commitments

Agreement-based commitments regarding the acquisition of property, plant and equipment:

| EUR 1,000 | 30 Sep 2021 | 30 Sep 2020 | 31 Dec 2020 |
|-------------|-------------|-------------|-------------|
| OL1 and OL2 | 85,100 | 90,300 | 88,600 |
| OL3 | 431,900 | 426,400 | 433,900 |
| Total | 517,000 | 516,700 | 522,500 |

Pending Court Cases and Disputes

Pending Court Cases and Disputes are to be found on page 6.

