

# **Facts & Figures**

**Edition September 2023** 

incl. FY22 Financials

# Content

1	E.ON Group	p. 3 - 7
2	Sustainability	p. 8 - 15
3	Digital	p. 16 - 21
4	Energy Networks	p. 22 - 60
5	Customer Solutions	p. 61 - 80
6	Non-Core	p. 81 - 90
7	Financials	p. 91 - 98

# **E.ON Group**



俞

al Energy Networks

## **E.ON's Board of Management**

### Leonhard Birnbaum Chief Executive Officer

- Communications &
   Political Affairs
- Corporate Audit
- Strategy & Sustainability
- Group & Executive HR
- HSE
- Legal & Compliance
- Nuclear Coordination

### Marc Spieker

#### **Chief Financial Officer**

- Finance
- Investor Relations
- Mergers & Acquisitions
- Accounting
- Controlling
- Risk Management
- Tax
- S4 Transformation

- Thomas König Chief Operating Officer – Networks
- Energy Networks (incl. Turkey)
- Procurement

### Patrick Lammers Chief Operating Officer –

- Commercial
- Retail and Customer Solutions
- Commercia
- Programming
- Green Gas
- Commodity Management
- Marketing

### Victoria Ossadnik Chief Operating Officer -Digital

- Digital Technology
- Inhouse Consulting
- Cyber Security
- Innovation









## Our business fully focussed on the sustainable energy system

#### Mostly regulated infrastructure business



-36.4 €bn Regulated Asset Base (RAB)

∽1,600,000km
energy networks

at least 8% Power RAB CAGR 2022-2027

**€5,459m** Adj. EBITDA 2022





~5%<sup>4</sup>

-19 TWh Heat, cooling and steam production

-5,700 Energy infrastructure assets

+**∽€0.3bn** EBITDA CAGR 2022-2027

**€568m** Adj. EBITDA 2022 **Diversified energy retail portfolio** 



-48m Customers across Europe<sup>2</sup>

>133.000 Installed solutions units<sup>3</sup>

+**∽€0.5bn** EBITDA CAGR 2022-2027

**€1,118m** Adj. EBITDA 2022 **-15%**<sup>4</sup>

1. RABs from different regulatory regimes are not directly comparable due to significant methodical differences. 2. Including customers of at-equity participations

3. Including PV and storage solutions, heating and cooling solutions, insulation 4. Share of Core Adj. EBITDA

**∽80%**4

## E.ON Supervisory Board – Shareholder representatives



Erich Clementi Chairman of the Supervisory Board Born 1958, Italian Member since 2016 Expert in digital transformation and strategy



Klaus Fröhlich Born 1960, German Member since 2018 Expert in brand and product strategies and digitization; particular focus on e-mobility



Ulrich Grillo Born 1959, German Member since 2019 Excellent network in German industry as well as management and strategy expertise



Andreas Schmitz Born 1960, German <u>Member since 2016</u> Particular expertise in financial analysis and capital markets



Dr. Rolf Martin Schmitz Born 1957, German Member since 2019 Extensive management and strategy expertise paired with technical knowledge



Anke Groth Born 1970, German <u>Member since 2022</u> Extensive management & finance expertise and in-depth knowledge of the energy sector



Deborah Wilkens Born 1971, US-American <u>Member since 2019</u> Proven capital market expert specialized in the energy sector



Born 1980, French <u>Member since 2023</u> International management, transformation, and innovation expertise, in particular in the acceleration of new business models

Nadège Petit

### 1

## E.ON Supervisory Board – Employee representatives







Katja Bauer Born 1971, German Member since 2022 In-depth knowledge of human resources plus extensive experience in sales and customer solutions

Eugen Gheorghe Luha Born 1957, Romanian Member since 2012 Profound expertise in the gas business



Szilvia Pinczésné Márton Born 1969, Hungarian Member since 2018 In-depth knowledge of the network business and co-determination matters



Stefan May Born 1970, German Member since 2019 Technical expertise as well as extensive knowledge in co-determination



René Pöhls Born 1970, German Member since 2019 Expert in network operation, HR and experience in co-determination



Elisabeth Wallbaum Born 1975, German Member since 2016 Expertise in Energy generation and ITbased process control

Axel Winterwerber Born 1982, German Member since 2023 Expertise in grid and sales operations and HR management

Christoph Schmitz Deputy Chairman of the Supervisory Board Born 1965, German Member since 2020 Expert in press and public relations

# **Sustainability**



今

Financials

## E.ON's sustainability performance continuously highly ranked by ESG rating agencies

### **Current rankings**

MSCI ESG Research LLC	<b>Rating: AA</b> Rated on a AAA to CCC scale High relative performance
SUSTAINALYTICS	<b>ESG Risk Rating: 17.6 (low risk)</b> Rated on a 0 to 40+ scale Rank 4 out of 101 in subindustry group
Corporate ESG Performance ISS ESG	<b>Rating: B-/Prime status</b> Rated on a D- to A+ scale Decile rank 3 in industry group, high relative performance

A LIST 2022 CLIMATE

Leadership score Top 2%

#### Rankings development<sup>1</sup>

Rating	2023	2022	2021
MSCI	Assessment ongoing	AA	AA
Systainalytics	Low Risk (17.6)	Medium Risk (23)	Low Risk (18)
ISS	В-	C+	C+
CDP	Assessment ongoing	A	A

## Sustainability KPI – Environmental ambitions



KPI			2021	2022	Target
	Scope 1:	%	-7 <sup>1</sup>	-28 <sup>1</sup>	75 (0000)1 + 100 (0040)
CO <sub>2</sub> footprint reduction [CO <sub>2</sub> eq emissions]	Scope 2 <sup>2</sup> :	%	-19 <sup>1</sup>	-30 <sup>1</sup>	-75 (2030) <sup>1</sup> and -100 (2040)
	Scope 3 <sup>3</sup> :	%	-14 <sup>1</sup>	-31 <sup>1</sup>	-50 (2030) <sup>1</sup> and -100 (2050)
EU taxonomy aligned capex <sup>4</sup>		%	98	97	>95%
Share of renewable generation plants connected to E.ON's power grid <sup>5</sup>		%	78	85	-
CO2 footprint reduction together with our customer <sup>6</sup>		mt	107	108	<i>⊳</i> <sup>7</sup>
Share of green power sales <sup>8</sup>		%	33	44	-
Ecological network corridor mgt. <sup>9</sup>		%	11	8	100
Smart Energy Meter installations <sup>10</sup>		units (in thousands)	9,654	12,178	-
eMobility charging points sold		units	n.a.	20,417	-

#### 

With reference to 2019 baseline figures: Scope 1: 3.98m tons CO2e, Scope 2: 4.82m tons CO2e (location-based) and Scope 3: 120.27m tons CO2e (location-based).
 Location-based.
 Market-based values for purchased power sold to end-customers.
 Based on EU taxonomy eligible capex.
 Connected renewable capacity calculated as percentage of total sum of all connected generation capacities.
 This covers avoided GHG emissions caused by the enabling effect of our assets or solutions.
 Total avoidance increasing.
 Share of green electricity products sold to end-customers.
 Progress measures share of corridors managed ecologically (along 13,000 kilometers of 110kV power lines).
 Total number of installed smart meters.



Digital

Energy Networks

Customer Solutions

Non-Core

Financials

) Sustainability

E.ON Group

1. Location-based 2. Based on the emission factors of the national electricity mixes for specific geographic regions (Source: IEA) 3. Market-based values for purchased power sold to end-customers 4. Other incl. e.g. employee commuting and business travel 5. Scope 3 emissions from purchased power and the combustion of natural gas sold to end-customers (energy sold to our residential and B2B customers), according to the GHG Scope 3 protocol The emissions from distribution losses from energy sold to sales partners and the wholesale market are accounted for under our Scope 1 and Scope 2 emissions accordingly 6. The external global warming potential (GWP) sources used are the Department for Business, Energy & Industrial Strategy (BEIS, formerly DEFRA), the Naturvårdsverkets, the Greenhouse Gas Protocol, the Överenskommelse Värmemarknadskommitten 2021, and the IPCC AR5 report. 7. From 2019 onward, emissions from plants leased to, and operated by, customers (Scope 3). This improves E.ON's ability to manage its emissions and makes progress toward its targets more transparent. 8. Prior-year figures were adjusted due to corrections of biogenic emissions. Note: Differences may occur due to rounding

Digital Energy Networks

#### ls

## E.ON on its way to achieve ambitious climate targets



### E.ON's carbon footprint million metric tons 3.71 Scope 1 2.88 3.90 Scope 2<sup>1</sup> 3.38 103.58 Scope 3<sup>2</sup> 82.58 Avoided 107 emissions<sup>3</sup> 108

2021

2022

### E.ON's targets<sup>4</sup>



#### Science Based Targets Initiative (SBTi) has confirmed E.ON targets for reducing CO2 emissions. E.ON is explicitly committed to the 1.5 degree target of the Paris Climate Agreement.

1. Location-based. 2. Market-based values for purchased power sold to end-customers. 3. This KPI quantifies the avoided emissions that contribute to a low-carbon economy in connection with our clients. This covers avoided GHG emissions caused by the enabling effect of our assets or solutions. 4. With reference to 2019 baseline year figures: Scope 1: 3.98m tons CO2e (inc. Baseline recalculation), Scope 2: 4.82m tons (location-based) CO2e and Scope 3: 120.27m tons CO2e (location-based). 5. Total avoidance increasing.

## Sustainability KPI – Social ambitions



KPI			2021	2022	Target
Diversity: Female executives		%	21	23	≥ 32 by 2031
		Index	SIF <sup>1</sup> : 0.09	SIF <sup>1</sup> : 0.04	≤ 0.07 by 2025
Health & safety		Index	LTIF <sup>2</sup> : 2.1	LTIF <sup>2</sup> : 2.1	Ы
People development: Training hours <sup>3</sup>		h/a	14.7	18.2	7
Community contribution		€m	12	18	-
	Germany:	min/a	22	24	И
Network reliability: Average Interruption Duration Index	Sweden:	min/a	116	121	Ы
(SAIDI)⁴	Czech Republic	min/a	182	451	Ц

\u00ed ≤ prev. year

 $7 \ge \text{prev. year}$ 

1. Serious incidents and fatalities (SIF) among employees: Safety incidents per 1,000,000 working hours. 2. Lost time injury frequency (LTIF) measures work-related accidents resulting in lost time per million hours of work. 3. Formal training hours per employee per year. 4. System average interruption duration index (SAIDI). The figures refer to the respective previous year: 2022 to 2021 and 2021 to 2020.

今

## Sustainability KPI – Governance ambitions



KPI		2021	2022	Target	
Share of female Supervisory Board members <sup>1</sup>	%	30	30	≥30	
Independent Supervisory Board members	%	100	100	100	
ESG included in Board remuneration	-	-	Since 2022 included	included	

Digital Energy Networks

Target structure

# New compensation scheme for the Management Board came into effect on January 1, 2022



Maximum remuneration CEO: €10m OBM<sup>1</sup>: €5.5m

> Malus and clawback up to 100% up to 3 years after payment

#### 26-32% Base | Fixed amount, paid in twelve monthly rates 1 year period E.ON Board Earnings per share Target **Compensation Plan** Annual bonus KP Net promoter score (Short-term incentive) Share ownership guidelines 4 year 200% of base period Relative Total Shareholder Return 50% 150% of base E.ON Performance Plan Target ROCE 25% 37-48% **KPI** (Long-term incentive) additional 2 years after end **E.ON Sustainability Index** 25% of service contract 9-13% Fixed amount decoupled from remuneration Pension substitute of CEO: €560k TTC2 OBM<sup>1</sup>: €350k

# Digital



## E.ON's Digitalization Strategy is based on four pillars

Digital Transformation is about **applying technologies to radically change** traditional processes, products and services into **data-driven**, **highly connected solutions** that can be monetized through significant **efficiency gains** and entirely **new business models** 



Non-Core Financials

# The Common Technology Platform is key to the digital foundation ensuring technology standardization



### **CTP Layers**

<b>Experience &amp; Solutions</b> Seamless customer experience, insightfulness			
<b>Digital Operations</b> Data insights & advanced analytics, agility, employee efficiency	EN	CS	Corp
<b>Business Operations</b> Process excellence, standardization, automation			

### **Technology Foundation**

Cloud centricity, standardization, efficiency, high security, high availability

WE will ensure architectural adherence by conformity with group-wide architecture

## E.ON One's ecosystem of digital solutions and partnerships helps drive the energy transition



#### E.ON One orchestrates the ecosystem & provides an integrated, bundled offering of digital solutions



Build a new entity as "one stop shop" to sell under the E.ON brand name e.g., to large municipal utilities

Non-Core

Standardized tech-stack based on E.ON common technology platform (CTP) accessible through a central control plane



E.ON One monetizes through IoT connections, platform services (PaaS), and digital solutions as SaaS offerings



Digital solutions are integrated from acquisitions, E.ON internal developments as well as partnerships

### WE will build a digital Energy Ecosystem (E.ON One) generating additional external revenue

# We will digitally enhance our engagement to leverage the digital customer journey

Optimizing customer relationship management to harvest cross selling opportunities and efficiency potential



### WE will set up One Customer Identity as end-to-end customer engagement approach

Energy Networks

# Our employees will be enabled to drive E.ON's digital transformation



We will foster a digital mindset:

- open mindset for new digital trends
- continuous self-responsible learning via individual "learning playlists"
- active community learning for exchanging knowledge



We will develop the digital skillset:

- one group-wide digital skill taxonomy
- digital **core skills** enabling the digital transformation
- role-specific digital specialist skills

We will implement the digital toolset:

- ONE<sup>1</sup> group-wide **digital learning platform** (**DLP**) available in all E.ON languages
- learning offerings tailored to role and upskilling needs
- applying **engaging and innovative formats**, e.g. E.ON Campus metaverse

WE will increase our learning engagement to foster a lifelong learning culture WE will develop engaging learning journeys to reach our digital target capabilities WE will make the digital learning platform the one-stopshop for all learners at E.ON

# **Energy Networks**



CEE & Turkey



Financials

## **Energy Networks at a glance**

### What we do

- Energy Networks provides the infrastructure for the new energy world. We manage our power and gas grids in a smart and digitalized way.
- We enable economic growth by connecting new residential and industrial areas and we help societies in their sustainable transformation by including a growing number of renewable generation and charging stations.
- Our grid share is sizeable in the countries of operation, and we operate predominantly in the regulated business.
- In Energy Networks, we count on **38,542**<sup>1</sup> employees.



Customer Solutions

2022 <sup>2,3</sup>	Germany	Sweden	Hungary	Czech Republic	Poland	Romania	Slovakia <sup>4</sup>	Turkey <sup>4</sup>	Total⁵
Wheeling volumes power (TWh)	230	34	25	14	8	6	14	49	378
Wheeling volumes gas (TWh)	160	0	13	3	0	26	0		202
Grid length power ('000km)	691	141	84	67	18	83	63	318	1,465
Grid length gas ('000km)	98	-	18	5	0	25	0		146
RAB power & gas (€ bn) <sup>6,7</sup>	23.3	4.9	2.2	2.5	0.7	0.8	1.0	1.0	36.4

1. This figure reports fulltime equivalents (FTE), not persons. Rounding differences are possible. 2. Preliminary figures. 3. Excluding Croatia as the nature of the business is not fully comparable. 4. Slovakia (ZSE) and Turkey (Enerjisa Enerji) are not consolidated in E.ON financial statements (here: 100% view) 5. Small differences in reported total figures may occur due to rounding. 6. RAB Sweden, Poland, Slovakia and Turkey only includes power. 7. In general, RABs from different regulatory regimes are not directly comparable due to significant methodical differences.



1. In general, RABs from different regulatory regimes are not directly comparable due to significant methodical differences. 2. 100% view for Slovakia (ZSE) and Turkey (Energisa Energi).

3. Differences may occur due to rounding. 4. Adjusted for non-operating effects, Turkey (Enerjisa Enerji) and Slovakia (ZSE) included as an at equity participation (i.e. with net income result).

5. Based on km grid length.

Customer Solutions

Non-Core

Financials

## A global platform helps bundle regional data to enable intelligent and scalable network solutions



## Envelio integrated into E.ONs ONE platform for Energy Networks





#### **Grid Connection**

Automation of processes for the integration of new distributed energy resources and consumers

Proof point: 75 % lower costs compared to the current process



#### **Grid Planning**

Evaluation of the effects of grid expansion measures and supply tasks changes

Proof point: 20x faster processing of typical network planning processes



#### **Operation Management**

Monitoring of devices for live grid transparency and optimizing of operation management

WE will significantly increase our network smartification investments

### Illustrative EBITDA<sup>1</sup> composition



1. Adjusted for non-operating effects. 2. Consolidated at-equity / at-cost. 3. Additional business include e.g. water business, broadband, smart meter and technical network services

## Sweden, CEE and Turkey: Illustrative EBITDA composition – Regulatory depreciation as important earnings component

### Illustrative EBITDA<sup>1</sup> composition



Financials

Custo

CEE & Turkey

Financials

Non-Core

## Inflation protection in all markets

### Different regulatory protection mechanisms

Allowed 🞯	Inflation protection of	Country	Index		Time-lag	
TOTEX	total allowed cost base	Germany <sup>1</sup>	CPI		t+2	
$\bigotimes$	Inflation adjustment in all	Country	Index		Time-lag	
Allowed OPEX	markets There are differences regarding the used indices and time-lags	Sweden	Industry spec	ific	t+1	
		CEE & Turkey	Mainly CPI		t+1 / t+2	
$\bigcirc$	Timing and mechanism of inflation adjustment differs across markets Main difference between real- and nominal systems	Country	System	Adjustment mechanisms		
Allowed		Sweden	Real	RAB * [1 + Asset-specific Index]		
Allowed RAB-driven revenues		Hungary, Romania & Turkey	Real	RAB * [1 + CPI]		
		Poland & Slovakia	Nominal	Yearly adjustment of the	nominal WACC	
		Czech Rep.	Nominal	Adjustment of the nominal WACC each regulatory period		

## Energy Networks – Financial overview







	Germa	Germany		Sweden		CEE/Turkey <sup>1</sup>		Total	
€m	2021	2022	2021	2022	<b>2021</b> <sup>2</sup>	2022	<b>2021</b> <sup>2</sup>	2022	
Adjusted EBITDA <sup>3</sup>	3,458	4,153	507	452	1,023	854	4,988	5,459	
Adjusted EBIT <sup>3</sup>	1,961	2,587	337	272	672	550	2,970	3,409	
Investments (cash-effective)	2,396	2,763	407	411	717	671	3,520	3,845	
Regulatory D&A <sup>4</sup>	1,116	1,157	237	251	736	755	2,089	2,163	

1. Turkey (Enerjisa Enerji) and Slovakia (ZSE) consolidated at equity. 2. Adjusted due to changes in segment reporting. 3. Adjusted for non-operating effects. 4. Turkey (Enerjisa Enerji) and Slovakia (ZSE) 100% view. Excluding Croatia as the nature of the business is not fully comparable.

E.ON Group

Hungary<sup>5</sup> 21 - 24

Czech Republic 21 - 25

Sustainability

Digital

Energy Networks

Germany

**Customer Solutions** 

Sweden

Non-Core

CEE & Turkey

Financials

Gas

E.ON Group Sustainability

**Energy Networks** Digital

Germany

Sweden

Financials



## Germany – **Upcoming regulatory events**



Q1 + Q2

# Energy Networks -Germany



Sweden

## Energy Networks Germany – Business overview

Germany	2021	2022
Grid length		
Power ('000km) <sup>1</sup>	700	691
Market share (%) <sup>3</sup>	38	36
Gas ('000km) <sup>1</sup>	101	98
Market share (%) <sup>5</sup>	20	19

	2021	2022
Grid volumes and RAB		
Wheeling volumes power (TWh) <sup>2</sup>	235	230
Wheeling volumes gas (TWh)	184	160
RAB power and gas (€ bn) <sup>4</sup>	22.3	23.3

#### Major shareholdings

Avacon AG	61.5%
Bayernwerk AG	100.0%
E.DIS AG	67.3%
envia Mitteldeutsche Energie AG	57.9%
HanseWerk AG	66.5%
Westenergie AG	100.0%
Lechwerke AG	89.9%
Süwag Energie AG	77.6%
VSE AG	50% + 1 share

1. Preliminary figures. 2. Wheeling Volumes include High Voltage (110kV). 3. High voltage 56%, Medium voltage 39%, Low voltage 34%. 4. Pro forma RAB -not applicable for 2022 revenues power and gas; applicable RAB for 3rd regulatory period is RAB of 2015 (gas): €4.5bn / 2016 (power): €16.7bn. 5. High pressure 26%, Medium pressure 22%, Low pressure 11%.

Sweden

## Energy Networks Germany — Concession business

### Very good track record

- The German networks business holds around 9,000 concessions with around 25m inhabitants supplied<sup>1</sup>
- The German networks business is based on long-term concessions granted by municipalities in the network area. Maximum period of concession contract is 20 years
- Successful renewal of concession contracts in 2022: approx. 1.7m inhabitants supplied in nearly 600 concession decisions
- In light of strong competition, decisions against E.ON businesses affected only approx. 22k inhabitants supplied<sup>2</sup>

### Existing concessions



1. Number of inhabitants supplied is based on calculations using figures from the Federal statistical Office. 2. No negative decision confirmed by court yet. 3. Includes for example 110 kV grid and meters. 4. Including around 5% currently open concessions (mostly concessions in not finished tender process).

Digital

**Customer Solutions** 

Sweden

## Energy Networks Germany — Regulatory environment power & gas

### Process steps of regulatory system<sup>1</sup>

Basics Cost audit	<ul> <li>Method: Revenue cap (incentive regulation)</li> <li>Regulatory period: 5 years - power: 3<sup>rd</sup> reg. period: 2019-2023, gas: 3<sup>rd</sup> regulatory period: 2018-2022</li> </ul>	
benchmarking	every 5 years	<ul> <li>Cost audit and benchmarking (for Opex/capital costs) once per regulatory period</li> <li>Total costs of historic base year (three years prior to start year of new regulatory period, e.g. 2016 for 3<sup>rd</sup> regulatory period power / 2021 for 4<sup>th</sup> regulatory period power) basis for benchmarking &amp; revenue cap</li> </ul>
Annual revenue cap	annual adjustment	<ul> <li>Annual adjustment of revenue cap by</li> <li>Consumer Price Index (CPI)</li> <li>General efficiency factor for power of 0.9%; general efficiency factor for gas 0.49% for 3<sup>rd</sup> reg. period</li> <li>Individual efficiency factors based on benchmarking result</li> </ul>
Adjustment of capital costs	annual adjustment	<ul> <li>Annual adjustment of RAB for investments (growth/replacement) and regulatory depreciation ("true up") leads to annual adaptation of capital costs</li> </ul>
Network tariff	annual adjustment	<ul> <li>Based on revenue cap, estimated energy consumption and revenue differences (too high/ low) from prior years</li> </ul>

1. Please note that the information provided is a simplified version of the German regulatory framework.

Digital

Customer Solutions

Sweden

# Energy Networks Germany — determination of allowed revenue

### Power distribution<sup>1</sup> - illustration



### Commentary

### 3<sup>rd</sup> regulatory period:

- Opex of base year 2016 are basis for allowed revenues from 2019 onwards<sup>1</sup>
- Annual adjustment of RAB for investments (growth/replacement) and regulatory depreciation ("true up") leads to annual adaptation of capital costs
- Capital costs of base year 2016 for investments from 2007 to 2016 are kept constant in the 3rd regulatory period as interim solution due to change of regulatory system

### 4<sup>th</sup> regulatory period:

• No changes in methodology compared to 3<sup>rd</sup> regulatory period

1. For gas the base year for the third regulatory period is 2015. The third regulatory period started in 2018.


# **Building blocks of allowed revenues**

#### ∽€21.2bn Gas<sup>1</sup>(New) ~€1.1bn Gas (Old) ∽€3.4bn Totex indexed to thereof Actual/ Allowed cost of debt CPI and subject to general and individual efficiency targets Power (New) ∽€10.2br ∽ €0.7bn qas ∽€10.0 bn Rof " as if debt" thereof AllowedRoE ∽ €8.8bn power ∽€4.7bn ~€6.5bn 40% Cap< Opex Power (Old) ∽ €1.2bn gas ∽€1.7bn Capital Costs Return on excessive equity - 2.72% (power) and 3.03% (gas) for equity in excess of 40% Old assets: Current costs; New assets: Historic costs based on actual costs of related to actual capital Adjustment of revenues Pass-through items (charges of higher grid levels, pensions, etc...) Depreciation allowance Fotal allowed cost base Regulated asset base<sup>1</sup> Regulated equity base (related to regulatory capital structure, capital costs, quality **Return on equity<sup>3</sup>** Old assets: 5,12% New assets: 6.91% **Frade tax allowance** Lagged recoveries (netting of actual vs. structure, minimum 60%) allowance historic base year) allowed revenues) revenues oonus/penalty...) Op. costs allowal incl. cost of debt naximum 40%) Debt base<sup>2</sup> Allowed r (Totex)

Schematic illustration for 2022 (power & gas) / 3<sup>rd</sup> reg. period

1. Old assets are those capitalized before January 1, 2006. New assets are those capitalized after January 1,2006. Old assets are indexed up to 40% with asset-specific indices to determine the current costs. Relevant asset base for calculation of allowed return in 2022 is 2016 for power and 2015 for gas. 2. Debt base consists of non-interest- and interest-bearing capital. 3. Return on equity rate is post trade tax and pre corporate tax.

**Energy Networks** 

Germany

Digital

**Customer Solutions** 

Sweden

Non-Core Financials CEE & Turkey

### **Energy Networks Germany** — **Determination of regulatory returns**

Regulatory returns in German power networks	41	th regulatory period <sup>1</sup>		31	rd regulatory period	
Equity return	New assets <sup>2</sup>	Old assets <sup>2</sup>	Total	New assets <sup>2</sup>	Old assets <sup>2</sup>	Total
Asset share	75%	25%	100%	53%	47%	100%
Base rate	0.74%	-0.53%		2.49%	1.04%	
Market premium	3.70%	3.70%		3.80%	3.80%	
Beta	0.39	0.39		0.40	0.40	
Levered Beta	0.81	0.81		0.83	0.83	
Adder on risk premium	0.395%	0.395%				
Equity return after tax	4.14%	2.87%		5.64%	4.19%	
Equity return pre tax	5.90%	4.09%		8.00%	5.94%	
Equity return pre corporate tax	5.07%	3.51%		6.91%	5.12%	
Cost of debt (for equity above 40%)						
pre tax	<b>1.71%</b> <sup>3</sup>			<b>2.72%</b> <sup>3</sup>		
post tax	1.20%			1.92%		
WACC <sup>4</sup>						
pre tax	3.39%	2.66%	3.21%	4.83%	4.01%	4.45%
post tax	2.37%	1.86%	2.25%	3.41%	2.82%	3.13%
Tax rate	29.93%			29.53%		
Corporate tax	15.83%			15.83%		
Trade tax	14.10%			13.70%		
Financing structure <sup>5</sup>						
Equity	40%			40%		
Debt	60%			60%		

1. Calculation based on power. E.ON DSOs filed an appeal against BNetzA decision. 2. Old assets are those capitalized before January 1, 2006. New assets are those capitalized after January 1, 2006. Old assets are indexed up to 40% with asset-specific indices to determine the current costs. 3. Value for power. 4. Weighted average cost of capital. The German regulator does not use a WACC-approach. The pro-forma WACC can be used to compare German regulatory returns internationally. In Germany, the regulator determines an allowed return on equity (RoE). This RoE is applied to the regulated equity base (RAB + current assets - debt base). 5. Interest free liabilities (such as construction grants) not considered.

# Energy Networks -Sweden



Sweden

Non-Core

CEE & Turkey

### Energy Networks Sweden — Business overview

Sweden <sup>1</sup>	2021	2022
Grid length		
Power ('000km)	140	141
Market share (%)	25	25
Gas ('000km)	-	-
Market share (%)	-	

	2021	2022
Grid conduct		
Wheeling volumes power (TWh)	37	34
Wheeling volumes gas (TWh)		
RAB power & gas (€bn) <sup>2</sup>	4.8	4.9

#### Major shareholdings

E.ON Energidistribution AB

100%

Non-Core CEE & Turkey



Financials

### Energy Networks Sweden — Regulatory environment power

#### Overview

#### Basics

- Method: Revenue cap
- Regulatory period: 2020-2023
- Next regulatory period: 2024-2027
- Photo period for Opex allowance: Four-year average
- Inflation adjustment: Opex and capital costs

#### Cap formula<sup>1</sup>

• Revenue cap =

(Controllable costs x (Price Index (PI) - efficiency factor)) + non-controllable costs + (age adjusted value (number of recognized assets and planned assets x regulatory standard prices)) x WACC + depreciation<sup>2</sup> +/- quality adjustment + Carry Over

### Key cost factors

- Regulatory return (WACC) on RAB (pre-tax, real): 2.35%<sup>3</sup>
- RAB set once a period by the regulator based on standard prices applied to recognized historic assets; annual adjustment based on construction price index, planned assets, minus disposals and depreciation
- Depreciation period for power lines, cables is ~50 years, stations is ~40 years and ~10 years for meters and IT-systems

#### Opex

- Historical average costs 2014-2017 indexed to 2018
- Opex annually adjusted by a factor price index for regional and local grid
- Efficiency factor: 1% p. a. (1.0-1.82% p. a. in future periods)
- Non-controllable costs are pass-through costs reflected in the revenue cap

#### Other important factors

Quality adjustment considers outages above 3 minutes and below 12 hours and incentives for grid losses

# Energy Networks – CEE & Turkey





43

# **Energy Netwo**

Czech Republic <sup>1</sup>	2021	2022
Grid length		
Power ('000km)	67	67
Market share (%)	27	27
Gas ('000km)	5	5
Market share (%)	4	4

	2021	2022
Grid conduct		
Wheeling volumes power (TWh)	15	14
Wheeling volumes gas (TWh)	4	3
RAB power and gas (€ bn) <sup>2</sup>	2.2	2.5

#### Major shareholdings

EG.D, a.s. (former E.ON Distribuce, a.s.)	100%
Local Energies, a.s.	100%
E.ON Telco, s.r.o.	100%
EG.D Montáže, s.r.o.	51%
Union Grid s.r.o.	34%

	E.ON Group	Sustainability	Digital	Energy Networks	Customer Solutions	Non-Core	Financials
orks C:	zech R	epublic	: <b>— B</b> i	Germany	Sweden DVerview	CEE & Turkey	3

Sweden

Non-Core

**CEE & Turkey** 



### Energy Networks Czech Republic — Regulatory environment power

**Overview** 

### Key cost factors

#### Capex

- Regulatory return (WACC) on RAB (pre-tax, nominal): 6.54%
- Depreciation period for power lines is 40 years
- Annual adjustments of RAB for depreciation and planned investments (no time lag)

#### Cap formula<sup>3</sup>

Basics

•

•

.

.

٠

• Revenue cap =

Method: Revenue cap

Regulatory period: 2021-2025

Inflation adjustment: Opex

Next regulatory period<sup>1</sup>: 2026-2030

Photo period for Opex allowance<sup>2</sup>: last three years average

(Controllable costs + non-controllable costs)<sup>4</sup> x (PI - efficiency factor) + (RAB x WACC) + depreciation<sup>5</sup> + Quality bonus/ malus + Market factor<sup>6</sup>

#### Opex

- "Photo-years" as a floating average on actual cost values over the past three known years used for allowed OPEX; annually adjusted for inflation (PI)
- Inflation factor (PI) for Opex is (1-X)% business service price index + X% wage index %; X = % share of wages in OPEX
- General efficiency factor: 0.5% annually
- Individual efficiency factor: 0% for the current regulatory period

#### Other important factors

100% of customer contributions to investment costs deducted from allowed revenues with 20 years time distribution

1. Not legally set, anticipated based on past experience. 2. Agreed principles for the next regulatory period. 3. The cap formula is an E.ON internal interpretation of the national regulatory framework. 4. Regulator does not distinguish between controllable and non-controllable costs. 5. Average regulatory depreciation (2021-2023) for power and gas: ∽ € 155m p. a. 6. Market factor is a special parameter covering extraordinary costs caused by unpredictable change of legislation (could be positive or negative) and has to be approved by the regulator first.

Digital

**Customer Solutions** 

Sweden

otutions

Non-Core Financials

#### 1

45



## Energy Networks Czech Republic — Regulatory environment gas

#### **Overview Key cost factors** Basics Capex Method: Revenue cap Regulatory return (WACC) on RAB (pre-tax, nominal): 6.43% • • Regulatory period: 2021-2025 Depreciation period for gas pipes is 40 years • Next regulatory period<sup>1</sup>: 2026-2030 Annual adjustments of RAB for depreciation and planned investments (no time . Photo period for Opex allowance<sup>2</sup>: last three years average . lag) Inflation adjustment: Opex ٠ Cap formula<sup>3</sup> Opex Revenue cap = • "Photo-years" as a floating average on actual cost values over the past three . (Controllable costs + non-controllable costs)<sup>4</sup> x (PI - efficiency factor) + (RAB x known years used for allowed OPEX; annually adjusted for inflation (PI) WACC) + depreciation<sup>5</sup> + Market factor<sup>6</sup>

- Inflation factor (PI) for Opex is (1-X)% business service price index + X% wage index %; X = % share of wages in OPEX
- General efficiency factor: 0.5% annually
- Individual efficiency factor: 0% for the current regulatory period

#### Other important factors

· No connection fees, customer built the connection on his own and sell it to DSO for price based on maximum regulated value of assets

1. Not legally set, anticipated based on past experience. 2. Agreed principles for the next regulatory period. 3. The cap formula is an E.ON internal interpretation of the national regulatory framework. 4. Regulator does not distinguish between controllable and non-controllable costs. 5. Average regulatory depreciation (2021-2023) for power and gas: ∽ € 155m p. a. 6. Market factor is a special parameter covering extraordinary costs caused by unpredictable change of legislation (could be positive or negative) and has to be approved by the regulator first.

Sweden

Non-Core

.

### Energy Networks Hungary — Business overview



Financials

Hungary <sup>1</sup>	2021	2022
Grid length		
Power ('000km)	84	84
Market share (%)	50	50
_Gas ('000km)	18	18
Market share (%)	21	21

	2021	2022
Grid conduct		
Wheeling volumes power (TWh)	26	25
Wheeling volumes gas (TWh)	16	13
RAB power and gas (€ bn) <sup>2</sup>	2.0	2.2

#### Major shareholdings

E.ON Dél-dunántúli Áramhálózati Zrt.	100%
E.ON Észak-dunántúli Áramhálózati Zrt.	100%
E.ON Dél-dunántúli Gázhálózati Zrt.	99.96%
E.ON Közép-dunántúli Gázhálózati Zrt.	99.93%
ELMŰ Hálózati Kft.	100%

**CEE & Turkey** 



### Energy Networks Hungary – Regulatory environment power

#### Overview

#### Basics

- Method: Price cap<sup>1</sup>
- Regulatory period: 2021-2024<sup>2</sup>
- Next regulatory period: 2025-2028
- Photo year for Opex allowance: The year two years prior to the start year of the new regulatory period
- Inflation adjustment: Opex; RAB

#### Cap formula<sup>3</sup>

• Price cap =

((Allowed controllable costs + non-controllable costs + (RAB x WACC) + depreciation<sup>4</sup>  $\pm$  quality bonus/malus  $\pm$  investment bonus/malus ) – (+/-2% accepted yearly revenue tolerance)) / forecasted volume<sup>5</sup>

#### Other important factors

- Quality factor for unplanned SAIDI<sup>6</sup>, SAIFI<sup>6</sup> and an outage rate min. level defined. Sanctions possible if non-compliant in 3-years average (expectations tightened from the 1<sup>st</sup> April 2021)
- Additional revenues granted for network investment with yearly expectations
- Public utility tax (125 HUF/meter<sup>7</sup>) and "Robin Hood tax" (41% of tax base) not recognized in network tariffs

1. Price-cap-like system; modified with actual quantity acceptance with two-year time lag. 2. Power-year started 1st of April 2021. 3. The cap formula is an E.ON internal interpretation of the national regulatory framework.

4. Average regulatory depreciation (2022-2023): - 136 m E. 5. Actual volumes from year N-2 is used as forecast. 6. System Average Interruption Duration Index, System Average Interruption Frequency Index.

7. The methodology for the determination of the network length has been changed, taking into consideration the distributed volumes as well.

#### Key cost factors

#### Capex

- Regulatory return (WACC) on RAB (pre-tax, real): 3.36%
- Annual adjustments of RAB for inflation and depreciation
- Smart grid investments get a 1.1 return multiplier in the initial RAB and a 1.2 multiplier during the period
- 50% of amortization as eligible cost for EU and state-funded investments

#### Opex

- Historical costs 2019
- Opex annually adjusted for inflation (composite of CPI (64%) and average private sector gross salary (36%)) and required efficiency (X=1.5%)

47

```
Customer Solutions
```

Sweden

Financials

Non-Core

**CEE & Turkey** 

### Energy Networks Hungary – Regulatory environment gas

#### Overview

#### Basics

- Method: Price cap
- Regulatory period: 2021-2025<sup>1</sup>
- Next regulatory period: 2025-2029<sup>1</sup>
- Photo year for Opex allowance: The year two years prior to the start year of the new regulatory period
- Inflation adjustment: Opex; RAB

#### Cap formula<sup>2</sup>

Price cap =

 (Allowed controllable costs + non-controllable costs + (RAB x WACC) +
 depreciation<sup>3</sup>) / forecasted volume<sup>4</sup>

#### Other important factors

• Public utility tax (125 HUF/meter<sup>5</sup> of grid) and "Robin Hood tax" (41% of tax base) not recognized as eligible costs in the network tariffs

#### **Key cost factors**

#### Capex

- Regulatory return (WACC) on RAB (pre-tax, real): 3.24%
- Annual adjustments of RAB for inflation and depreciation
- Depreciation period for gas pipes is 45 years

#### Opex

- Historical costs 2019
- Opex annually adjusted for inflation (composite of CPI and average private sector gross salary), additional yearly cost adjustment

1. Gas-year starts 1st of October. 2. The cap formula is an E.ON internal interpretation of the national regulatory framework. 3. Average regulatory depreciation (2022-2023): -17m. 4. Temperature corrected actual volumes from year N-2 is used as forecast. 5. The methodology for the determination of the network length has been changed, taking into consideration the distributed volumes as well.

Sweden



#### CEE & Turkey



Financials

### Energy Networks Poland — Business overview

Poland <sup>1</sup>	2021	2022
Grid length		
Power ('000km)	18	18
Market share (%)	2	2
Gas ('000km)		
Market share (%)		

	2021	2022
Grid conduct		
Wheeling volumes power (TWh)	8	8
Wheeling volumes gas (TWh)		
RAB power and gas (€ bn) <sup>2</sup>	0.7	0.7

#### Major shareholdings

Stoen Operator Sp. z o.o.

100%

```
Customer Solutions
```

Financials **CEE & Turkey** 

Non-Core

### **Energy Networks Poland** — **Regulatory environment power**



#### Other important factors

•

•

- Q Quality regulation for SAIDI, SAIFI and connection time (LV customers incl. households); currently under evaluation for 2023 2025
- WR regulatory factor to be used discretionally by the Regulator (min-value: 0.9 x return on RAB, max-value: 1.1 x return on RAB)

1. The cap formula is an E.ON internal interpretation of the national regulatory framework. 2. Including TSO costs, transits, non-DSO & non-TSO costs (RES, CHP, transition, capacity fees) and taxes. RES, CHP, transition, capacity fees / costs as pass-through costs. 3. Average regulatory depreciation (2021-2023): ∽ € 44m p. a.

Sweden

Non-Core



Financials

### Energy Networks Romania — Business overview

CEE & Turkey	
$(( \land )) (( \land \neg))$	

83	83
17	17
24	25
45	45
	17 24

	2021	2022
Grid conduct		
Wheeling volumes power (TWh)	6	6
Wheeling volumes gas (TWh)	29	26
RAB power and gas (€ bn) <sup>2</sup>	0.8	0.8

#### Major shareholdings

Delgaz Grid SA

56.5%

Non-Core



### Energy Networks Romania — **Regulatory environment power**

#### **Overview**

#### Basics

- Method: Price cap tariffs basket with actual volume acceptance (1 year time lag)<sup>1</sup> •
- Regulatory period: 2019-2023 •
- Next regulatory period: 2024-2028 ٠
- Photo period for Opex allowance: Previous period of the new regulatory period . with regulatory benchmark
- Inflation adjustment: Opex; RAB •

#### Cap formula<sup>2</sup>

• Price cap =

[(Operation costs & Maintenance) x (1 - efficiency factor) + Personnel + HS&E costs + Grid Losses costs + Non-controllable costs + (RAB x WACC) + depreciation<sup>3</sup> – revenue from reactive energy]/ forecasted volume

#### Other important factors

- Efficiency factor does not apply to personnel expenses and HS&E costs
- Automatic compensations for violated quality standards towards customers .
- From 2018 onwards no recognition of "Natural monopoly tax" in network tariffs

#### **Key cost factors**

#### Capex

- Regulatory return (WACC) on RAB (pre-tax, real): 6.39% plus 1pp or 2pp<sup>4</sup> •
- Adjustments of RAB for inflation (CPI), investments recognized without time lag (ex-ante plan and ex-post adjustment based on actual investments)
- Obligation to achieve a 95% of grid investments included in the annual • investment plan approved by regulator
- Depreciation period for power lines is 30 to 40 years

#### Opex

- Historical costs and annual correction of allowed costs ٠
- Opex annually adjusted for inflation (CPI)
- Obligation to achieve 90% on maintenance plan
- General efficiency factor: max 2 % p. a.
- Opex outperformance: 40% of gained efficiency is kept by DSO, but no more than 5% of EBIT

1. Tariff cap increase at max. 7% on average tariffs and max 10% on each voltage level (based on current tariffs methodology for 4th Regulatory Period 2019-2023). 2. The cap formula is an E.ON internal interpretation of the national regulatory framework. 3. Average regulatory depreciation (2021-2023) for power and gas: - €73m p. a. 4. Since May 2020 – 6.39%;100 bps added for new grid investments (thus 7.39%); investments with grants receive 200 bps over WACC (thus 8.39%).

```
Customer Solutions
```

Sweden

Non-Core Financials

**CEE & Turkev** 

ls 1

### Energy Networks Romania — Regulatory environment gas

#### Overview

#### Basics

- Method: Revenue cap<sup>1</sup>
- Regulatory period: 2019-2023<sup>2</sup>
- Next regulatory period: 2024-2028<sup>2</sup>
- Photo year for Opex allowance: The year prior to the start year of the new regulatory period
- Inflation adjustment: Opex; RAB

#### Cap formula<sup>3</sup>

Revenue cap =
 [(Operations + Maintenance costs) x (1+CPI - efficiency requirements) +
 (Personnel + HS&E costs) x (1+CPI) + Grid Losses + non-controllable costs +
 (RAB x WACC) + depreciation<sup>4</sup> ]

#### Other important factors

- · Efficiency factor does not apply to personnel expenses and HS&E costs
- · Automatic compensations for violated quality standards towards customers
- From 2018 onwards no recognition of "Natural monopoly tax" in network tariffs

#### **Key cost factors**

#### Capex

- Regulatory return (WACC) on RAB (pre-tax, real): 6.39% plus 1pp or 2pp<sup>5</sup>
- Adjustments of RAB for inflation (CPI), investments recognized without time lag (ex-ante plan and ex-post adjustment based on actual investments)
- Depreciation period for gas pipes is 30 to 40 years

#### Opex

- Historical costs 2018<sup>6</sup> and annual correction of allowed costs
- Opex annually adjusted for inflation (CPI)
- General efficiency factor: max 1% p. a.
- Opex outperformance: 40% of gained efficiency is kept by DSO

1. Regulatory revenue will be adjusted based on the difference between approved and actual volumes distribution revenues from prior year (a net effect of both volumes and tariffs). 2. Gas-year starts 1st of July. 3. The cap formula is an E.ON internal interpretation of the national regulatory framework. 4. Average regulatory depreciation (2021-2023) for power and gas:  $\sim \in 73m$  p. a. 5. Since May 2020 – 6.39% ;100 bps added for new grid investments (thus 7.39%); investments with grants receive 200 bps over WACC (thus 8.39%). 6. Incl. benchmarking and additional substantiated costs.

Sweden

Non-Core

**CEE & Turkey** 

### Energy Networks Slovakia — Business overview

Slovakia <sup>1,2</sup>	2021	2022		2021	2022
Grid length			Grid conduct		
Power ('000km)	62	63	Wheeling volumes power (TWh)	14	14
Market share (%)	69	69	Wheeling volumes gas (TWh)		
Gas ('000km)			RAB power and gas (€ bn)	1.0	1.0
Market share (%)					

Major shareholdings	
Západoslovenská distribucná a.s. <sup>2</sup>	49%
Východoslovenská distribucná a.s. <sup>2</sup>	49%

Non-Core



#### CEE & Turkey



Financials

### Energy Networks Slovakia — Regulatory environment power

#### Overview

#### Basics

- Method: Price cap
- Regulatory period: 2017-2021 prolonged by one year to 2022
- Next regulatory period<sup>1</sup>: 2023-27
- Photo year for Opex allowance: 2010
- Inflation adjustment: Opex

#### Cap formula<sup>2</sup>

- Price cap per voltage level<sup>3</sup> =
  - (Opex allowance x (1 + core inflation efficiency factor) + (RAB 2010 YE x
  - WACC) + depreciation (from RAB 2010 YE + from planned Capex for next year)<sup>4</sup>
  - revenues from connections & recovery of illegal consumption & exceeding reserved capacity ± correction on depreciation (from planned vs. actual Capex)) / forecasted volume

#### Other important factors

· Automatic compensations for violated quality standards towards customers

#### **Key cost factors**

#### Capex

- Regulatory return (WACC pretax, nominal) on RAB: set annually; 5.09% for 2022
- RAB: Depreciated asset base based on external value appraisal of assets, investments and depreciation prepared by Slovakian regulator
- Depreciation period for power lines is 30 (LV) to 35 years (MV, HV)

#### Opex

- Historical costs 2010
- Opex annually adjusted by escalation index
- Inflation factor for Opex is core inflation (1.75% for 2022<sup>5</sup>), however escalation index (1+ core inflation - efficiency) cannot be below 1.0
- Efficiency factor: 3.5% p. a.

1. Legislation regarding framework and input parameters for upcoming regulatory period still not finally published. 2. The cap formula is an E.ON internal interpretation of the national regulatory framework. 3. Price caps for high voltage (110 kV), medium voltage (22 kV) and low voltage (0.4 kV). 4. Average regulatory depreciation (2022): -133m p. a. (90m ZSD + 43m VSD). 5. Consumer price index excluding the administration influences (goods & services with regulated prices) and seasonal influences (published by Slovak central bank).

**Customer Solutions** 

Sweden

Non-Core Financials

C\*

**CEE & Turkey** 

### Energy Networks Turkey — Overview



**Customer Solutions** 

Sweden

Non-Core CEE & Turkey .

57

 $\rightarrow$ 

Financials

### Energy Networks Turkey – Financial overview

Enerjisa Enerji (networks & retail)	2021	2022
Revenues (TRY m) <sup>1,2</sup>	30,548	99,114
EBITDA + capex reimbursement <sup>1.2,3</sup> (TRY m)	7,600	15,917
Net Income (TRY m) <sup>1,4</sup>	2,282	12,523
E.ON share 40% (€ m) <sup>4</sup>	80	250
Acquisition related depreciation charges (run rate)	-4.5	-1.7
Equity Earnings (€ m) <sup>5</sup>	76	248

1. 100% Energisa view. 2. Financials per year 2022 adjusted in accordance with IAS 29 "Financial Reporting in Hyperinflationary Economies" 3. CAPEX reimbursements refer to cash effective amortization of the regulatory asset base, but due to the application of IFRIC 12 (accounting for concessions) not recognized as income under IFRS. To facilitate the comparability of Energisa's earnings across the sector, of which the peers may recognize regulatory amortization as income, the non-IFRS KPI "Operational Earnings" defined as EBITDA plus CAPEX reimbursements is applied. Excludes one-offs. 4. Includes extraordinary one-offs 5. Differences may occur due to rounding.

1

Financials

### Energy Networks Turkey — Business overview

Networks <sup>1</sup>	2021	2022
Power grid length ('000km) <sup>2</sup>	310	318
Market share (%) <sup>2</sup>	24	23
Wheeling Power (TWh)	48	49
RAB (€ bn) <sup>3</sup>	0.7	1.0
RAB (TRY bn)	11.2	19.9

2021	2022
35,8	39,2
14	15
10.3	10.6
22	22
	35,8 14 10.3

Sweden

Non-Core CEE & Turkey 4

Financials

### Energy Networks Turkey – Regulatory environment power

Overview	Key cost factors
BasicsMethod: Revenue capRegulatory period: 2021-2025Next regulatory period: 2026-2030Return on RAB	<ul> <li>Capex:</li> <li>Regulatory return (WACC) on RAB (pre-tax, real): 12.3%<sup>1</sup></li> <li>Capex reimbursement</li> <li>Tax correction mechanism on Capex</li> <li>No volume and inflation risk</li> </ul>
<ul> <li>Cap formula<sup>2</sup></li> <li>Revenue cap: OPEX Allowance (Fix &amp; Variable + Non-Controllable + Scheduled Maintenance + R&amp;D ) + CAPEX Allowance (Avg. nominal RAB x [real WACC + inflation rate ] + CAPEX reimbursement) + Quality Parameters + T&amp;L Performance + Theft Accrual + Other Revenues (advertisement, pole rent)</li> </ul>	<ul> <li>Opex:</li> <li>Fixed and variable Opex components is not subject to adjustment based on realizations and allows outperformance through efficient processes and cost management and digitalization</li> <li>In case of outperformance, retaining the difference allowed by regulator</li> </ul>

- RAB Based framework with incentives given to outperformance such as; Capex outperformance, Opex outperformance, theft &loss margin ,theft accrual & collection and quality related incentives (bonus/malus system)
- Higher financial income and Capex reimbursements are driven by higher Capex related RAB and inflation

Customer Solutions

Sweden



Non-Core



### Energy Networks Turkey — Regulatory environment retail<sup>1</sup>

### Retail

Evolution of market liberalization - eligibility threshold (MWh p.a.)



### Partially liberalized energy market

- Above a certain consumption threshold, customers can choose their own energy supplier (eligible customers)
- Below the consumption threshold, customers are bound by regulated tariffs (non-eligible customers)
- Eligibility limit for regulated tariff consistently reduced
- Continued liberalization expected, opening up new markets and profit pools
- Last resort tariff 2022 levels (Residential, Agricultural Irrigation ≥ 100GWh Commercial, Industrial, Lighting ≥ 1GWh)

Regulatory mechanisms overall in line with the previous period, with regulator gross margin kept at 2.38%

# **Customer Solutions**







Energy Retail



### Customer Solutions – Business overview

#### **Energy Retail**



**Energy Sales** Supply of electricity and gas

#### **Retail Solutions**



#### Future Energy Home

Services focusing on the energy system in homes with own green power generation (PV), heating and cooling and energy management



#### **eMobility Solutions**

Mobility-as-a-service solutions

#### **Energy Infrastructure**

Digital



#### Energy Infrastructure Solutions (EIS)

Innovative energy solutions (heat and cooling, power generation, efficiency solutions) helping cities, municipalities and industrial customers to achieve climate goals in a cost-efficient way

#### **New Business**

EIS



### eMobility Infrastructure

Operating & owning charging infrastructure for eMobility



### ) Hydrogen

Pursue the development of green  $H_2$  infrastructure and solution projects







Energy Infrastructure Solutions (EIS)

	Germa	any	UK		Netherl	lands	Othe	r <sup>3</sup>	Tot	al	t/o EIS
€m	2021 <sup>2</sup>	2022	2021	2022	2021	2022	2021 <sup>2</sup>	2022	2021	2022	2022
Adjusted EBITDA <sup>1</sup>	694	760	261	208	152	324	386	394	1,493	1,686	568
Adjusted EBIT <sup>1</sup>	532	564	121	72	90	258	184	200	927	1,095	225
Investments (cash-effective)	353	358	103	127	47	41	207	305	710	831	523

1. Adjusted for non-operating effects. Also includes EBITDA from 'New-Business' 2. Adjusted due to changes in segment reporting. 3. Including Sweden, Norway, Denmark, Italy, the Czech Republic, Hungary, Croatia, Romania, Poland, Slovakia and the innovative solutions business.



Customer Solutions

**Energy Retail** 

Non-Core

EIS

Financials

# All sectors shifting towards green energy

E.ON Group

Sustainability

Digital

Energy Networks

1. Source: IEA Net Zero Scenario Global (p. 196): Green energy demand per sector (Renewable electricity and bio/synthesis-based net zero emission energy carriers)

# Customer Solutions – Energy Retail





1. Including at-equity participations. 2. Customer base adjusted in 2021 due to USP divestment (-2.4m power). 3. Other includes Sweden, Italy, Romania, Hungary, Czech Republic, Poland, Slovakia, Croatia. 4. Differences may occur due to rounding.



1. Wholesale market included. Volumes per country, non-consolidated. 2. Other includes Sweden, Italy, Romania, Hungary, Czech Republic, Poland, Slovakia, Turkey, Croatia.

Digital

**Energy Retail** 

Non-Core

EIS



Germany	2021	2022
Power sales (TWh)	188.0	133.1
# of E.ON customers - power (m)	12.0	12.0
# of customers total market - power (m) <sup>1</sup>	46.1	48.1
Gas sales (TWh)	189.4	179.2
# of E.ON customers - gas (m)	2.4	2.4
# of customers total market - gas (m) <sup>1</sup>	12.4	12.8

#### Our brands in the market:



ик	2021	2022
Power sales (TWh)	91.8	54.4
# of E.ON customers - power (m) <sup>2</sup>	5.7	5.6
# of customers total market - power $(m)^3$	30.2	30.5
Gas sales (TWh)	111.4	152.9
# of E.ON customers - gas (m) <sup>2</sup>	3.6	3.5
# of customers total market - gas $(m)^3$	24.4	24.7

#### Our brands in the market:



1. According to report of Bundesnetzagentur "Monitoringbericht 2022". 2. 2021/22 adjusted for harmonization of npower/E.ON reporting standards. 3. Source: Cornwall Energy - Residential accounts & small B2B meters from 10/2021 & 10/2022.

**Energy Retail** 

Non-Core Financials EIS

### Energy Sales — Netherlands and Italy

2021	2022
19.2	19.1
2.2	2.1
9.3	8.6
82.5	75.4
1.9	1.9
7.9	7.9
	19.2 2.2 9.3 82.5 1.9

Our brands in the market:

2021	2022
7.3	5.7
0.4	0.3
21.0	22.4
14.6	15.0
0.5	0.6
22.0	21.6
	7.3 0.4 21.0 14.6 0.5

Our brands in the market:

## essent energiedirect.nl vandebron <a>powerhouse</a>



Energy Retail

Non-Core Financials
EIS

### Energy Sales — Sweden and Poland

2021	2022
14.0	10.7
0.8	0.7
5.5	5.5
2.4	1.7
0.01	0.01
0.04	0.04
	14.0 0.8 5.5 2.4 0.01

Our brands in the market:



Poland	2021	2022
Power sales (TWh)	5.6	4.6
# of E.ON customers - power (m)	1.0	1.0
# of customers total market - power (m) <sup>2</sup>	17.9	17.2
Gas sales (TWh)	0.8	0.3
# of E.ON customers - gas (m)	0.0	0.0
# of customers total market - gas (m) $^{2.3}$	6.6	7.1

Our brands in the market:



Digital

Non-Core Financials

### Energy Sales — Czech Republic and Hungary

Czech Republic	2021	2022
Power sales (TWh)	14.9	11.2
# of E.ON customers - power (m)	1.1	1.1
# of customers total market - power (m) <sup>1</sup>	6.2	6.2
Gas sales (TWh)	9.0	6.7
# of E.ON customers - gas (m)	0.2	0.2
# of customers total market - gas (m) <sup>1</sup>	2.8	2.8

Our brands in the market:



2021	2022
23.0	14.2
0.1	0.1
5.7	5.7
6.6	4.2
0.0	0.0
3.5	3.5
	23.0 0.1 5.7 6.6 0.0

Our brands in the market:



Energy Retail

Non-Core

EIS

### Energy Sales — Romania and Slovakia

Romania	2021	2022
Power sales (TWh)	4.5	5.2
# of E.ON customers - power (m)	1.5	1.5
# of customers total market - power $(m)^1$	8.9	8.9
Gas sales (TWh)	24.1	21.4
# of E.ON customers - gas (m)	1.8	1.9
# of customers total market - gas (m) <sup>1</sup>	4.4	4.5

Our brands in the market:



Slovakia<sup>2</sup> 2022 2021 Power sales (TWh) 9.7 9.1 1.6 1.6 # of E.ON customers - power (m) # of customers total market - power (m)<sup>3</sup> 2.6 2.6 Gas sales (TWh) 9.6 7.8 # of E.ON customers - gas (m) 0.3 0.3 # of customers total market - gas  $(m)^3$ 1.5 1.5

Our brands in the market:


Digital

Energy Retail

EIS



## Energy Sales — Croatia

Croatia <sup>1</sup>	2021	2022
Power sales (TWh)	0.9	0.7
# of E.ON customers - power (m)	0.1	0.1
# of customers total market - power (m)	2.0	2.0
Gas sales (TWh)	1.0	0.9
# of E.ON customers - gas (m)	0.06	0.02
# of customers total market - gas (m)	0.6	0.6

Our brands in the market:



1. CS business of Croatia from a financial perspective included in Energy Networks in 2020.



Non-Core

EIS

### **Energy Retail**

## **Energy Sales – We increase green tariff offerings to attract new** customers and ensure long-term retention



1. Share of green/ renewable energy volumes (mainly via Guarantees of Origin): Low = 0-30%, Medium = 30-60%, High = 60-100% 2. E.ON core brands: E.ON, eprimo, E wie einfach. Ambition to green full B2C portfolio of E.ON core brands until 2024. CS GER Sales total: Share of green power sales for 2023 pending, for 2022; 36.81%. 3. Only B2C; all new SME contacts are green as standard from 2022



### Government pushes provide additional incentives

Mandatory PV in several states and subsidies on BEV purchases; 6m heat pump installs targeted by 2030

Petrol and diesel car ban in 2030 and 600k heat pumps p.a. by 2028; Solutions growth driven through Government policy; further £2bn released in Q4 2022 (on top of 1bn released in 21/22) with potential for additional £6bn from 2025

Gas boiler restrictions from 2026, target of 100k heat pump installs p.a. already starting in 2024

1. E.ON market model based on Bloomberg, IHS and Delta EE. 2. B2C market. 3. E.ON eMobility Market Model for B2C and B2B market

### Energy Retail

Non-Core Financials

EIS

## Retail Solutions — Future Energy Home



Home Heating

PV & Storage

E.ON Home **Market leader in residential PV** across Europe with position among the top 3 in our active markets

Market leading position in several European markets with ~76,000 Home

>3,600 heat pump solutions installed and ~2m active service contracts

Good customer experience with NPS of >45 despite challenging market

Heating and Energy Solutions installed in 2022

environment and disruptions in the global supply chain

-43,000 new residential solar and storage solutions installed in 2022 Battery share continues to strongly increase

>18,000 customers using our E.ON Home App connecting >30,000 devices including solar, batteries, smart meters, heating and wall boxes to enable smart energy management and optimization services to our customers

E.ON Home is now available in Germany, UK, Italy, Sweden, Poland and Hungary, roll-out to further regions planed.

9 |\_0 **Energy Retail** 

1

Financials

## Retail Solutions eMobility Solutions



**Market leading in eMobility** in core markets Germany, Denmark and Sweden

>20,000 charging points sold in 2022 to B2C and B2B customers<sup>1</sup>

**Strong partner for charging solutions** with OEMs (e.g. BMW, Nissan, and Vinfast) and other partners (e.g. in Germany ADAC, Allianz, and contipark)

Launch of new digital solutions, e.g. smart charging





# Customer Solutions – Energy Infrastructure Solutions (EIS)



### Market trends

- Sustainability and CO<sub>2</sub> reduction •
- Community building •
- Urbanization .

### **Government Push**

- Green Deal: (Horizon Europe and Innovation Fund<sup>1</sup>)
- Recovery and Resilience Plan



- Electrification and sector coupling
- Digitization, driven by industry 4.0



and cooling



solutions

District heating

S ÷ά

6% CAGR<sup>2</sup>

Industrial and commercial customers

Public funds via Swedish Energy Agency

heating networks

Federal funding for efficient





Digital

**Energy Networks** 

Customer Solutions

Non-Core

Financials

E.ON Group

Sustainability

1. Compared with a traditional gas-fired district heating network. 2. Compared to lignite use

## **Non-Core**

6

Customer Solutions

Non-Core



Generation Turkey PreussenElektra

Financials



## Generation Turkey — Financial overview



Enerjisa Üretim (Generation & Trading)



Enerjisa Üretim (generation & trading)	2021	2022
Revenues (TRY m) <sup>1,2</sup>	16,439	65,196
EBITDA (TRY m) <sup>1,2</sup>	3,223	10,069
Net Income (TRY m) <sup>1,2,3</sup>	1,721	9,232
E.ON share of 50% (€ m)	73	231
E.ON share of 50% (€ m)	73	231
Acquisition-related depreciation charges (run rate)	-19	0
Consolidation adjustments <sup>4</sup>	0	-537
Equity result (€ m)	54	-306

1. 100% view. 2. Financials per year 2022 adjusted in accordance with IAS 29 "Financial Reporting in Hyperinflationary Economies". 3. Including extraordinary one-offs. 4 Consolidation adjustments contains impairments and reversal of impairments.



83

Generation Turkey PreussenElektra



## Generation Turkey – Asset overview (1)

Assets Enerjisa Üretim<sup>1</sup>

	Power plant	Туре	Generation capacity (MW)	Production (GWh)	Start-up year	Revenue stream	Remuneration per MWh
In operation							
Bandırma-I		Gas	936	4,631	2010	Market prices; capacity mechanism <sup>2</sup>	Market price
Bandırma-II		Gas	607	3,115	2016	Market prices; capacity mechanism <sup>2</sup>	Market price
Kentsa		Gas	40	0	1997		
Tufanbeyli		Coal/Lignite	450	2,893	2016	Market prices; capacity mechanism²; lignite incentive <sup>3</sup>	Market price
Menge		Hydro	89	132	2012	FIT <sup>4</sup>	\$73
Köprü		Hydro	156	273	2013	FIT	\$73
Kuşakli		Hydro	20	31	2013	FIT	\$73
Dağdelen		Hydro	8	24	2013	FIT	\$73
Kandil		Hydro	208	486	2013	FIT	\$73
Sarıgüzel		Hydro	103	279	2013	FIT	\$73
Hacınınoğlu		Hydro	142	312	2011	Non-FIT	Market Price

1. All assets are 100% owned by Enerjisa Üretim. 2. Capacity mechanism implemented starting 2018. Budget for allocation & strike price will be set quarterly by state-owned transmission company. 3. 7-years PPA starting in 2018 with state-owned wholesaler (TETAS). For 2021, starting price is at 322TRY/MWh indexed to inflation & USD/TRY development for 2.1TWh. A corridor between 50 USD and 55 USD/MWh is applied. 4. Feed-in-tariff.

Generation Turkey PreussenElektra



 $\hat{}$ 

## Generation Turkey – Asset overview (2)

### Assets Enerjisa Üretim<sup>1</sup>

Power plant	Туре	Generation capacity (MW)	Production (GWh)	Start-up year	Revenue stream	Remuneration USD/MWh
Çambaşı	Hydro	44	140	2013	FIT	\$73
Kavşakbendi	Hydro	191	558	2014	FIT	\$73
Arkun	Hydro	245	704	2014	FIT	\$73
Yamanlı II	Hydro	82	184	2016	FIT	\$73
Doğançay	Hydro	62	115	2017	FIT	\$73
Çanakkale	Wind	30	82	2011	Non-FIT	Market Price
Dağpazarı	Wind	39	112	2012	FIT	\$73
Bares	Wind	143	517	2013	FIT	\$73
Akhisar	Wind	55	5	2011	Non-FIT	Market Price
Erciyes <sup>2</sup>	Wind	65	26	2022	FIT	Market Price
Karabük	Solar	7	10	2017	FIT	\$133
Bandırma	Solar	2	3	2017	FIT	\$133
Total in operation		3,724	14,634			

1. All assets are 100% owned by Enerjisa Üretim. 2. Erciyes WPP has the right to benefit from the incentive mechanism till 2032, but it is not preferred since the market prices are significantly higher than the FIT Mechanism.





## **Generation Turkey** – **Regulatory Environment**



### Renewables (new Feed-in Tariff)

TI -based FiT scheme

### Local Lignite Incentive

TRY denominated - inflation and FX indexed with dollar denominated corridor (50-55 USD/MWh)



Lignite

### **Capacity Mechanism**

Gas & local lignite power plants

### Incentive Framework

- Stable cash flows from USD-denominated feed-in tariffs (for 10 years)
- Annual flexibility to opt for either feed in tariffs or market prices
- Higher feed in tariff if for power plant parts manufactured in Turkey
- Renewables additionally benefit from participation in the balancing market

### Incentive Framework

- The Turkish Presidency published a decree on 30 Jan `21 on the new Renewables Support Mechanism which introduces that apply to renewable energy power plants becoming operational between Jul 21 and Dec 25.
- Escalation to be applied on a guarterly basis with a basket of Domestic PPI (26 %), Domestic CPI (26 %), change in USD exchange rate (24 %) and change in EUR exchange rate (24 %).

### Incentive Framework

- Lignite incentive set up in 2016 to foster local energy
- 7-years PPA starting in 2018 with state-owned wholesaler (EÜAŞ). A corridor between 50 USD and 55 USD/MWh is applied. Stable cash flows from TRY-denominated incentive with a USD denominated corridor.

### Incentive Framework

- Capacity mechanism starting from 2018.
- Allocation of budget and strike set quarterly. Local sources are prioritized.

### Average power prices in Turkey<sup>1</sup>

1. Sources: EPIAS. 2. Converted at a TRY/USD rate of 6.98 (average) for 2020, 8.99 (average) for 2021 and 16.54 (average) for 2022.

2020: 279 TRY/MWh → 40 USD/MWh<sup>2</sup> 2021: 508 TRY/MWh → 57 USD/MWh<sup>2</sup> 2022: 1,506 TRY/MWh → 147 USD/MWh<sup>2</sup>

## PreussenElektra — Business overview

### What we do:

- PreussenElektra covered our nuclear generation activities in Germany
- The German nuclear exit, which was decided in 2011, resulted in the closure of our nuclear fleet by 15.04.2023
- 1,700 people work at PreussenElektra



Financials

Preussen Elektra

Generation Turkey PreussenElektra

Non-Core



Preussen Elektra

Financials

## PreussenElektra -**Financial highlights**

### Nuclear power sales

TWh	2021	2022
Owned generation (accounting view)	30.5	8.7
Purchases	1.1	0.6
Total power procurement	31.6	9.3
Station use, line loss	-0.1	-0.2
Power sales	31.5	9.1

Financials		
€m	2021	2022
Revenues	1,632	1,060
Adjusted EBITDA <sup>1</sup>	1,563	922
Adjusted EBIT <sup>1</sup>	1,090	802
Investments (cash-effective)	298	7

E.ON Group

Sustainability

Digital

Energy Networks

**Customer Solutions** 



### Decommissioning of a nuclear power plant<sup>1</sup>

Shut down phases



Non-Core Financials
 Generation Turkey PreussenElektra



Preussen Elektra

## PreussenElektra — Decommissioning (site overview)

German nuclear power plants shut down						
	Capacity MW	E.ON share %	Shut down year	Start of decommissioning	Current phase	Progress of decommissioning
E.ON as operator						
Würgassen	670	100	1995	1997	Decommissioning	
Stade	640	67	2003	2005	Decommissioning	•
lsar 1	878	100	2011	2017	Decommissioning	Ð
Unterweser	1.345	100	2011	2018	Decommissioning	
Grafenrheinfeld	1.275	100	2015	2018	Decommissioning	
Brokdorf	1.410	80	2021	2024	Final shutdown	$\bigcirc$
Grohnde	1.360	83	2021	2024	Final shutdown	$\bigcirc$
Isar 2	1.410	75	2023	2024	Final shutdown	$\bigcirc$
E.ON as minority shareholder						
Brunsbüttel	771	33	2011	2018	Decommissioning	0
Krümmel	1.364	50	2011	2023	Shut down, licence awaiting	

German nuclear power plants shut down

E.ON Group





Current cost approach  $^2$  used for AROs  $^3$  that apply positive real interest rates

## inssioning (provisions mechanics)

Digital

**Energy Networks** 

Sustainability



**Customer Solutions** 

Non-Core

Financials

Preussen Elektra

Generation Turkey PreussenElektra

# **Financials**



合

## Benchmark bonds of E.ON Group as of September 1, 2023<sup>1</sup>

Green Bond

	Volume in millions in		
Issuer	respective currency	Coupon	Maturity
E.ON SE	1,000 EUR	0.375%	Apr-23
E.ON International Finance B.V.	488 GBP	5.625%	Dec-23
E.ON SE	750 EUR	0.000%	Dec-23
E.ON International Finance B.V.	800 EUR	3.000%	Jan-24
E.ON SE	500 EUR	0.875%	May-24
E.ON SE	750 EUR	0.000%	Aug-24
E.ON SE	750 EUR	0.875%	Jan-25
E.ON International Finance B.V.	750 EUR	1.000%	Apr-25
E.ON SE	750 EUR	1.000%	Oct-25
E.ON SE	500 EUR	0.125%	Jan-26
E.ON International Finance B.V.	500 EUR	1.625%	May-26
E.ON SE	750 EUR	0.250%	Oct-26
E.ON SE	1,000 EUR	0.375%	Sep-27
E.ON International Finance B.V.	850 EUR	1.250%	Oct-27
E.ON SE <sup>2</sup>	800 EUR	3.500%	Jan-28
E.ON SE	500 EUR	0.750%	Feb-28
E.ON SE	600 EUR	2.875%	Aug-28
E.ON SE	600 EUR	0.100%	Dec-28
E.ON SE	750 EUR	3.750%	Mar-29

	Volume in millions in		
Issuer	respective currency	Coupon	Maturity
E.ON SE	750 EUR	1.625%	May-29
E.ON International Finance B.V.	1,000 EUR	1.500%	Jul-29
E.ON SE	750 EUR	0.350%	Feb-30
E.ON International Finance B.V.	760 GBP	6.250%	Jun-30
E.ON SE	500 EUR	0.750%	Dec-30
E.ON SE	750 EUR	1.625%	Mar-31
E.ON SE	500 EUR	0.875%	Aug-31
E.ON SE	500 EUR	0.625%	Nov-31
E.ON International Finance B.V. <sup>3</sup>	975 GBP	6.375%	Jun-32
E.ON SE	750 EUR	0.600%	Oct-32
E.ON International Finance B.V.	600 EUR	5.750%	Feb-33
E.ON SE	750 EUR	4.000%	Aug-33
E.ON International Finance B.V.	600 GBP	4.750%	Jan-34
E.ON SE	800 EUR	0.875%	Oct-34
E.ON SE <sup>2</sup>	1,000 EUR	3.875%	Jan-35
E.ON International Finance B.V.	900 GBP	5.875%	Oct-37
E.ON International Finance B.V. <sup>4</sup>	1,000 USD	6.650%	Apr-38
E.ON International Finance B.V.	700 GBP	6.750%	Jan-39
E.ON International Finance B.V.	1,000 GBP	6.125%	Jul-39

1. Only bonds ≥€500m equivalent, all bonds are listed in Luxemburg, with exception of the unlisted USD bond under 144A/Regulation S. 2. Bond issued in January 2023. 3. The bond was increased from £850m to £975m 4. Bond issued under rule 144A/Regulation S.

Non-Core

i -

Financials

## Green Bond Framework overview: Framework structure in line with draft EU Green Bond Standard

Green assets and capex	Process for selection of green assets and capex	Management of use-of-proceeds	Reporting	Ð	External Verification
Electricity Networks (DSO) Renewable Energy Energy Efficiency Clean Transportation	<ul> <li>All projects directly contribute to, or enable</li> <li>Climate Change</li> <li>Mitigation</li> <li>Eligible green activities considering IFRS balance sheet values or capex</li> <li>DNSH<sup>1</sup> assessment for all eligible activities</li> <li>Eligibility assessment overseen by Green Bond committee, chaired by CFO</li> </ul>	<ul> <li>E.ON strives to maintain a portfolio matching/ exceeding outstanding green bonds</li> <li>Projects will be added on an on-going basis</li> <li>Eligible green portfolio monitored by Green Bond Committee</li> </ul>	<ul> <li>Annual allocation reporting on net proceeds</li> <li>(Environmental) impact reporting</li> <li>Reporting in sustainability report &amp; separate green bond reporting (audited<sup>2</sup>)</li> </ul>		<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>



Framework is aligned with the **ICMA Green Bond Principles 2021**<sup>3</sup> Detailed assessment of full EU Taxonomy<sup>4</sup> alignment in SPO<sup>5</sup>

1. DNSH: Do no significant harm. 2. Limited assurance. 3. https://www.icmagroup.org/sustainable-finance/the-principles-guidelines-and-handbooks/green-bond-principles-gbp/ 4. EU classification system for environmentally sustainable economic activities, published in June 2021. 5. SPO: Second party opinion

Digital Energy Networks

## **Green Bond categories**

Electricity Networks (DSO)

All distribution infrastructure and equipment in the inter-connected European System<sup>1</sup> as EU Taxonomy compliant

Additional assessment on a network's 'greenness', considering new green network connections or network emission factor<sup>2</sup>

### **Renewable Energy**

**Renewable energy** production and storage including<sup>3</sup>

- Wind power and solar PV
- **Bioenergy** (Biomass, Biogas and Biofuels)
- Hydrogen production, storage and distribution infrastructure

### **Energy Efficiency**

Integrated on-site business and city energy solutions, including but not limited to  $^{\rm 3}$ 

- District heating
- Production of heating/ cooling from waste heat
- Cogeneration of heating/ cooling and electricity from bioenergy and geothermal energy

### **Clean Transportation**

**EV charging** stations and supporting infrastructure



### Green distribution network activities are the core of **E.ON's Green Bond portfolio**

1. Excluding infrastructure dedicated to creating or expanding a direct connection of power plants that are more CO2 intensive than 100gCO2e/kWh. 2. Over 67% of newly enabled generation assets comply with the 100gCO2e/kWh threshold (over a rolling 5-year period), or the grid's average emissions factor is less than 100gCO2e/kWh. 3. Considering relevant emissions thresholds and requirements from the EU Taxonomy

今

## **Relevant at-equity participations of E.ON**

Company	Description	E.ON share <sup>1</sup> %	At equity contribution to E.ON result (€ m)	
			2021	2022
Energy Networks				
Germany				
MAINGAU Energie GmbH	Municipal utility (power, gas) in the city of Obertshausen	46.6	5.3	33.9
GASAG AG	Utility (power, gas, energy services) in the city of Berlin	36.9	32.9	29.1
Pfalzwerk AG	Utility (power, gas, heat, energy services) Pfalz / Saar-Pfalz Kreis	26.7	8.8	28.1
RheinEnergie AG	Municipal utility (power, gas, heat, water) in the city of Cologne	20.0	11.5	22.4
Städtische Werke Magdeburg GmbH & Co. KG	Municipal utility (energy, water) in the city of Magdeburg	26.7	13.0	12.5
REWAG Regensburger Energie- und Wasserversorgung	Municipal utility (energy, water) in the city of Regensburg	35.5	10.3	7.6
AVU Aktiengesellschaft für Versorgungs-Unternehmen	Utility (energy, water) in Ennepe-Ruhr-Kreis	50.0	11.1	7.1
Rhein-Main-Donau GmbH	Utility (water) in Landshut	22.5	8.8	5.3
CEE&Turkey				
Západoslovenská energetika a.s.	Integrated utility in Slovakia (distribution and retail)	49.0	63.7	60.9
Enerjisa Enerji A.Ş.	Integrated utility in Turkey (distribution and retail)	40.0	76.1	248.2
Customer Solutions				
Kemkens B.V.	Energy service company	49.0	8.4	9.2
Non-core business (PreussenElektra)				
	Uranit GmbH is a holding company holding 33% of Urenco Ltd.			
Uranit GmbH <sup>2</sup>	Urenco Ltd. is an international company active in uranium mining, conversion, enrichment and fabrication.	50.0	49.1	48.5
Enerjisa Üretim	Integrated utility in Turkey (generation)	50.0	54.0	-306.3

1. Direct and indirect share. No changes from 2021 to 2022. 2. Uranit GmbH is a joint venture between RWE AG and E.ON SE.

## **E.ON's Financials**

### Adjusted EBITDA<sup>1</sup>

€m	FY 2021 <sup>2</sup>	FY 2022
Energy Networks	4,988	5,459
Germany	3,458	4,153
Sweden	507	452
CEE & Turkey	1,023	854
Customer Solutions	1,493	1,686
Germany	694	760
UK	261	208
Netherlands	152	324
Other <sup>3</sup>	386	394
t/o EIS	479	568
Corporate Functions/Other	-209	-170
Non-core business	1,617	1,084
Total	7,889	8,059

### Adjusted EBIT<sup>1</sup>

€m	<b>FY 2021<sup>2</sup></b>	FY 2022
Energy Networks	2,970	3,409
Germany	1,961	2,587
Sweden	337	272
CEE & Turkey	672	550
Customer Solutions	927	1,095
Germany	532	564
UK	121	72
Netherlands	90	258
Other <sup>3</sup>	184	201
t/o EIS	237	225
Corporate Functions/Other	-318	-271
Non-core business	1,144	964
Total	4,723	5,197

1. Adjusted for non-operating effects. 2. Adjusted due to changes in segment reporting. 3. Including Sweden, Norway, Denmark, Italy, the Czech Republic, Hungary, Croatia, Romania, Poland, Slovakia and the innovative solutions business.

## **E.ON's Financials**

### OCFbiT<sup>1</sup>

€m	FY 2021 <sup>2</sup>	FY 2022
Energy Networks	4,689	7,020
Germany	3,020	5,557
Sweden	602	536
CEE & Turkey	1,067	927
Customer Solutions	516	2,425
Germany	612	1,198
UK	-274	989
Netherlands	125	354
Other <sup>3</sup>	53	-116
t/o EIS	n/a	n/a
Corporate Functions/Other	-608	1,800
Non-core business	1,042	266
Total	5,639	11,511

### Investments (cash-effective)

€m	FY 2021 <sup>2</sup>	FY 2022
Energy Networks	3,520	3,845
Germany	2,396	2,763
Sweden	407	411
CEE & Turkey	717	671
Customer Solutions	710	831
Germany	353	358
UK	103	127
Netherlands	47	41
Other <sup>3</sup>	207	305
t/o EIS	409	523
Corporate Functions/Other	234	70
Non-core business	298	7
Total	4,762	4,753

1. Adjusted for non-operating effects. 2. Adjusted due to changes in segment reporting. 3. Including Sweden, Norway, Denmark, Italy, the Czech Republic, Hungary, Croatia, Romania, Poland, Slovakia and the innovative solutions business.

## **E.ON's Financials**

### At equity contribution to Adjusted EBITDA/EBIT<sup>1</sup>

€m	FY 2021 <sup>2</sup>	FY 2022
Energy Networks	428	384
Germany	277	247
Sweden	0	0
CEE & Turkey	151	137
Customer Solutions	19	19
Germany	4	5
UK	0	0
Netherlands	7	9
Other <sup>3</sup>	8	5
t/o EIS	n/a	n/a
Corporate Functions/Other	0	0
Consolidation	-1	-1
Non-core business	105	223
Total	551	625

### Profit & Loss<sup>1</sup>

€m	FY 2021	FY 2022
Adjusted EBITDA <sup>1</sup>	7,889	8,059
Depreciation/amortization recognized in Adjusted EBIT	-3,166	-2,862
Adjusted EBIT <sup>1</sup>	4,723	5,197
Economic interest expense (net)	-944	-890
Adjusted EBT <sup>1</sup>	3,779	4,307
Income Taxes on Adjusted EBT	-879	-1,062
% of Adjusted EBT	-23%	-25%
Non-controlling interest on results of operations	-397	-517
Adjusted Net Income <sup>1</sup>	2,503	2,728

1. Adjusted for non-operating effects. 2. Adjusted due to changes in segment reporting. 3. Including Sweden, Norway, Denmark, Italy, the Czech Republic, Hungary, Croatia, Romania, Poland, Slovakia and the innovative solutions business.

# Appendix

8

俞

### **E.ON Investor Relations team**



Iris Eveleigh Head of Investor Relations iris.eveleigh@eon.com +49 170 7688749



Martin Jäger Manager Investor Relations martin.jaeger@eon.com +49 162 2754355



Max Sadrina Manager Investor Relations max.sadrina@eon.com +49 172 8344377



Andreas Thielen Manager Investor Relations andreas.thielen@eon.com +49 151 67114918



Milagros D'Elia Manager Investor Relations milagros.d'elia@eon.com +49 151 52298030



Julian Jost Manager Investor Relations julian.jost@eon.com +49 1520 9137925



**Björn Siggemann** Manager Investor Relations bjoern.siggemann@eon.com +49 175 1996123



### **Glossary & List of Abbreviations** 1/2

AI	Artificial Intelligence	EIS	Energy Infrastructure Solutions
ARO	Asset Retirement Obligation	eMobility	Electro Mobility
B2B	Business to Business	EMRA	Energy Market Regulatory Authority (Turkey)
B2C	Business to Consumer	EN	Energy Networks
BEV	Battery Electric Vehicle	EOG	Revenue Cap
bn	Billion	EPIAS	Energy Exchange Istanbul (Turkey)
BNetzA	Federal Network Agency (Germany)	eq	Equivalent
CAGR	Compound Annual Growth Rate	ESG	Environment, Social, Governance
Capex	Capital Expenditures	EU	European Union
CCS	Carbon Capture and Storage	EUR	Euro
CEE	Central and Eastern Europe	EV	Electric Vehicle
CEO	Chief Executive Officer	FIT	Feed-in-tariff
CFO	Chief Financial Officer	FTE	Full Time Equivalent
CHP	Combined Heat and Power	FX	Foreign Exchange
CO2	Carbon Dioxide	FY	Full year
Corp	Corporate Functions	g	Gram
CPI	Consumer Price Index	GER	Germany
CS	Customer Solutions	GHG	Greenhouse Gas
CTP	Common Technology Platform	GWh	Gigawatt hour
CZK	Czech Koruna	h/a	Hours per Year
D&A	Depreciation and Amortization	H <sub>2</sub>	Hydrogen
DLP	Digital Learning Platform	HR	Human Resources
DNSH	Do No Significant Harm	HSE	Health, Safety and Environment
Dr.	Doctor	HUF	Hungarian Forint
DSO	Distribution System Operator	HV	High Voltage
e.g.	For Example	IAS	International Accounting Standards
EBIT	Earnings before interest and taxes	ID	Identification
EBITDA	Earnings before interest, taxes, depreciation and amortization	IEA	International Energy Agency

# **Glossary & List of Abbreviations** 2/2

IFRIC	International Financial Reporting Interpretations Comittee	PV
IFRS	International Financial Reporting Standards	Q
incl	Including	R&D
ΙοΤ	Internet of Things	RAB
IT	Information Technology	RED
km	Kilometer	RES
KPI	Key Performance Indicator	ROCE
kV	Kilovolt	RoE
kWh	Kilowatt hours	RON
LTIF	Lost Time Injury Frequency	RPI
LV	Low Voltage	S4
m	Million	SaaS
mgt	Management	SAIDI
min/a	Minutes per Year	SAIFI
MV	Medium Voltage	SBTi
MW	Megawatt	SDG
MWh	Megawatt hour	SEK
n.a.	Not Available	SIF
NPS	Net Promoter Score	SME
OBM	Ordinary Board Members	SPO
OEM	Original Equipment Manufacturer	Totex
Opex	Operating Expenditures	TRY
p.a.	per annum	TSO
PaaS	Platform as a Service	TTC
PI	Price Index	TWh
PLN	Polish Zloty	UK
PPA	Power Purchase Agreement	USD
PPI	Producer Price Index	USP

Photovoltaic	
Quarter	
Research And Development	
Regulated Asset Base	
Renewable Energy Directive	
Renewable Energy System	
Return On Capital Employed	
Return on Equity	
Romanian Leu	
Retail Price Index	
SAP S/4HANA Enterprise Resource Planning	3
Software as a Service	
System Average Interruption Duration Index	
System Average Interruption Frequency Ind	ex
Science Based Targets Initiative	
Sustainable Development Goals	
Swedish Krona	
Serious Incidents and Fatalities	
Small and medium-sized enterprises	
Second Party Opinion	
Total allowed cost base	
Turkish Lira	
Transmission System Operator	
Total Target Compensation	
Terawatt hour	
United Kingdom	
United States Dollar	
Universal Service Provider	

## Disclaimer

This presentation contains information relating to E.ON Group ("E.ON") that must not be relied upon for any purpose and may not be redistributed, reproduced, published, or passed on to any other person or used in whole or in part for any other purpose. By accessing this document you agree to abide by the limitations set out in this document as well as any limitations set out on the webpage of E.ON SE on which this presentation has been made available.

This document is being presented solely for informational purposes. It should not be treated as giving investment advice, nor is it intended to provide the basis for any evaluation of any securities and should not be considered as a recommendation that any person should purchase, hold or dispose of any shares or other securities.

The information contained in this presentation may comprise financial and similar information which is neither audited nor reviewed and should be considered preliminary and subject to change.

Some of the information presented herein is based on statements by third parties. No representation or warranty, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of this information or any other information or opinions contained herein, for any purpose whatsoever.

This presentation may contain forward-looking statements based on current assumptions and forecasts made by E.ON management and other information currently available to E.ON. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. E.ON does not intend, and does not assume any liability whatsoever, to update these forward-looking statements or to conform them to future events or developments.

Neither E.ON nor any respective agents of E.ON undertake any obligation to provide the recipient with access to any additional information or to update this presentation or any information or to correct any inaccuracies in any such information.

Certain numerical data, financial information and market data (including percentages) in this presentation have been rounded according to established commercial standards. As a result, the aggregate amounts (sum totals or interim totals or differences or if numbers are put in relation) in this presentation may not correspond in all cases to the amounts contained in the underlying (unrounded) figures appearing in the consolidated financial statements. Furthermore, in tables and charts, these rounded figures may not add up exactly to the totals contained in the respective tables and charts.