



### **Investor Presentation**

Dr. Frank Reiners

(Chief Financial Officer — Open Grid Europe GmbH)

**Axel Berndt** 

(Head of Finance, Accounting & Tax — Open Grid Europe GmbH)

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#### **Agenda**

- 1 Key Investment Highlights
- 2 Business Profile
- 3 Financing Overview
- 4 Conclusion & Transaction Details
- 5 Appendix

#### **Presenters**



Dr. Frank ReinersChief Financial OfficerOpen Grid Europe GmbH



Axel Berndt

Head of Finance,
Accounting & Tax

Open Grid Europe GmbH





## **Key Investment Highlights**

# Strong Market Position

- Largest Gas Transmission System Operator (TSO) in Germany
- Strategically located network in Germany and Europe
- Favourable German macro-economic situation and strong gas market fundamentals

# Stable Regulated Business

- 3rd regulatory period started 2018 for five years
- Key regulatory parameters for Revenue Cap of 3rd regulatory period determined
- No significant changes to regulatory framework within ongoing regulatory period expected

# Predictable & Low Risk Capex

- Growth Capex based on German Network Development Plan
- New investments immediately revenue accretive, i.e. earning regulated returns without delay

# **Experienced Operator**

- Over 90 years operating history in Germany
- Experienced management team
- Well maintained assets

# Robust & Predictable Financial Profile

- Predictable revenues and profits with strong cash generation
- Proven track record in capital market
- A-/Stable/A-2 Rating by S&P





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### Vier Gas at a Glance

#### **Overview OGE**

- Largest German gas transmission system operator
  - Natural gas transmission for > 400 customers
  - Design, construction, operation and marketing of gas transmission
  - Largest supra-regional pipeline network in Germany
  - Providing services related to gas transmission
  - Operating history dates back over 90 years

Key Figures VGT Group (2017)		
tal Revenues	€923m	
EBITDA <sup>1</sup>	€454m	
CAPEX	€510m	

1,358

Simplified Structure				
Vier Gas Transport GmbH (100%)				
Open Grid Europe GmbH				
METG (100%) ZEELINK (75%) MEGAL (51%) TENP (51%) NETG (50%) NETRA (41%) <sup>3</sup> DEUDAN (25%)	NetConnect Germany (35%)	Other Regulated and Non- Regulated Businesses (1-100%)		

Total

Total Employees<sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Incl. equity income

<sup>&</sup>lt;sup>2</sup> Average number of employees of financial year 2017 (excluding management and apprentices)

<sup>&</sup>lt;sup>3</sup> OGE holds 15% of indirect shares in NETRA in addition to direct shareholding of 41%

<sup>&</sup>lt;sup>4</sup> Percentage figures have been rounded





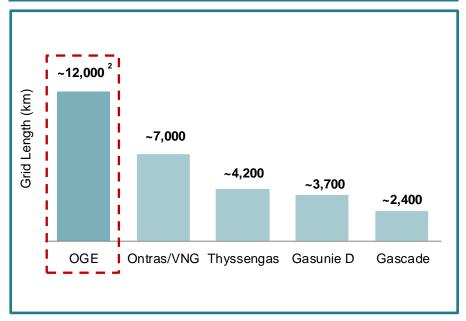
# **Key Gas Transmission System Operator at the Heart of Europe**

#### **Centrally Positioned Service Area**



#### <sup>1</sup> Source: FNB Gas "Konsultationsdokument Netzentwicklungsplan Gas 2018-2028"

#### Largest German Gas Transmission Network/ Operator <sup>1</sup>



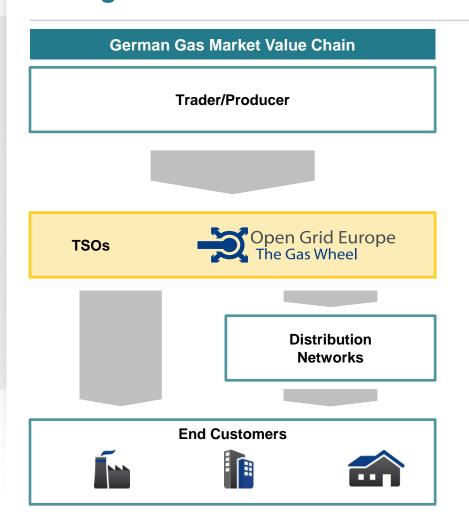
- Covering approx. 65 % of the total shipping volume in Germany with 630 TWh annual offtake quantity in 2017
- 28 compressor stations and 90 units
- Approx. 50 entry and 1,100 exit points with 15 interconnections to bordering countries

<sup>&</sup>lt;sup>2</sup> Thereof approx. 7,730km fully owned by OGE





## **Strong Position in German Gas Market Value Chain**



#### **Key Facts**

- OGE focuses on design, construction and operation of gas transmission pipelines
- OGE's customer base consists of
  - Producers and traders
  - Distribution network operators
  - Power plants and large industrial facilities
- OGE's long-term revenues are determined by regulation
- OGE is the backbone of the market area NetConnect Germany (NCG)





# German Regulatory Regime: A Stable & Predictable Framework

#### **Principles of Incentive Regulation** Regulatory Allowed revenue is determined for regulatory periods of 5 years Periods (RP) Determined through "base year" costs and Regulated Asset Base (RAB) **Revenue Cap** Revenues Operating Return **Depreciation** set by BNetzA on equity Costs Annual adjustments for inter alia: Inflation (consumer price index Germany) vs. general productivity factor Individual efficiency factor Highly volatile OPEX (e.g. fuel gas) **Incentive Regulation** Non influenceable cost items (e.g. pension costs) Expansion / restructuring CAPEX via investment measure (IMA) mechanism Differences between allowed and actual revenues compensated with 3 year sliding average mechanism (mainly deviations of volume and volatile costs) Regulatory framework promotes IMA, which are included in the Network Development Plan (NDP) Remuneration of NDP is a well established process and provides high certainty to TSOs' investments

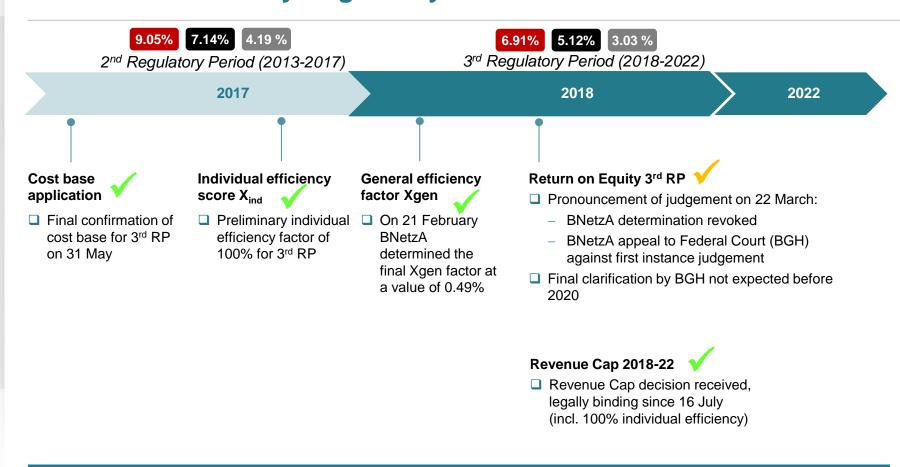
Under IMA mechanism new assets earn imput
 already during construction phase.

Under IMA mechanism new assets earn imputed cost of capital and operating expenses (lump sum) already during construction phase





### Determination of Key Regulatory Parameters for 3rd RP



Stable & supportive regulatory framework for 3rd Regulatory Period

LEGEND

New Assets Old Assets

Return on imputed equity

Return on excess equity and debt





## OGE share of €2.3bn in 10 year Network Development Plan

#### NDP well established process

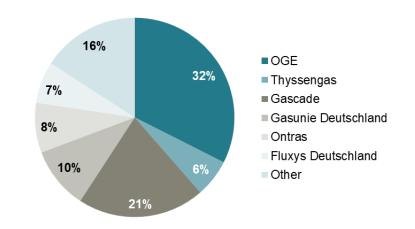
- NDP provides high certainty to TSOs regarding investments
- Updated bi-annually following public consultation
- Draft NDP 2018 confirms OGE's NDP 2016 projects

#### Implications regulatory framework

- Regulatory framework promotes investment measures
- New assets earn imputed cost of capital (imputed equity interest + imputed trade tax) already during construction phase
- Operating expenses are covered in a lump sum approach<sup>1</sup>

#### Total CAPEX draft NDP 2018: €7.0bn

OGE CAPEX draft NDP 2018: 32% (€2.3bn)



#### Required investments continuously add to revenue growth!

General lump sum of 0.8% of investment amount for pipelines, 5.2% for natural gas compressors and 5.8% for gas pressure regulation and metering equipment.





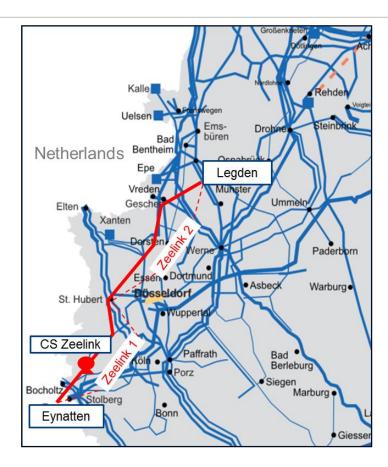
# **ZEELINK:** The Key to L-/H-Gas Conversion

#### One of the largest NDP projects

- Connecting key European gas infrastructures e.g. LNG
   Terminal Zeebrugge, TENP and OGE grid
- Ownership: 75% OGE, 25% Thyssengas
- Prerequisite for L-/H-Gas Conversion

#### **Key figures**

- €0.7bn NDP Budget
- Length: approx. 220 km
- Diameter: 1,000 mm
- Pressure: 100 bar
- 5 pressure reduction & metering stations
- Compressor station in Würselen
- Commissioning date 2021







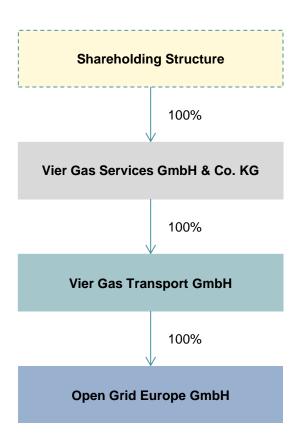
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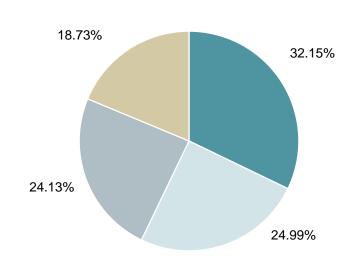


# **Group Ownership Structure: Experienced Long-Term Investors**

#### **Simplified Group Structure**



#### **Shareholder Composition**



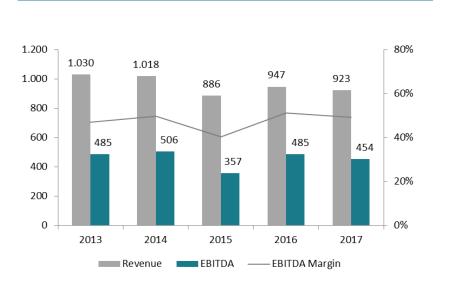
- British Columbia Investment Management (BCI)
- ADIA (Infinity Investments)
- Macquarie (MEIF4) and associated LP<sup>1</sup>
- Munich Re (MEAG)

<sup>1 97.7%</sup> MEIF4 and 2.3% Halifax Regional Municipality Master Trust

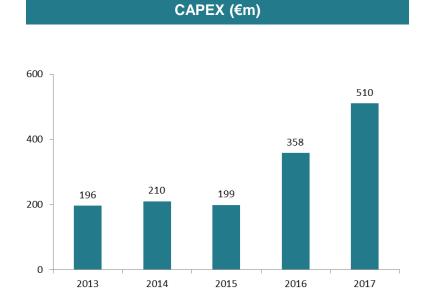




### VGT Financials Reflect Stable & Predictable Business



EBITDA¹ and Revenues (€m)



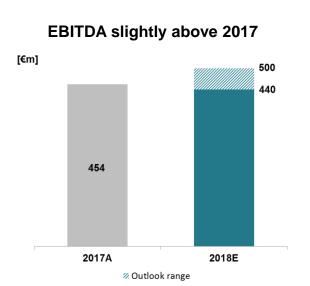
- Continued strong performance and high margins, based on efficient regulated business
- Revenue variation as a result of regulatory account effects
- Growing CAPEX reflects investments under NDP

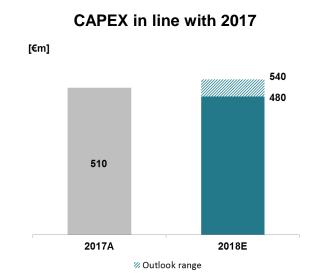
<sup>&</sup>lt;sup>1</sup> Incl. equity income





### **EBITDA & CAPEX Outlook 2018**





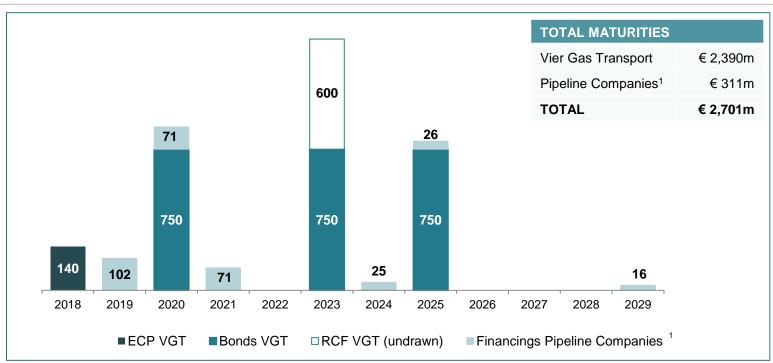
- 2018 characterised by stable EBITDA and high level of investments due to NDP
- Regulatory decisions on major parameters for 3<sup>rd</sup> RP (2018-2022)
  - Decision on revenue cap 2018-2022 received, result in line with expectations
  - Pending issues: Decision on regulatory account balance & outcome of complaint proceedings regarding general efficiency factor and return on equity





# Maturity Profile of VGT Group (as of 30 June 2018)





Liquidity

- €600m RCF increased from €200m in 2017, maturity extended to 2023
- €500m Commercial Paper Programme established in March 2018

<sup>&</sup>lt;sup>1</sup> Pro-rata share (51%) / Financings include term loans, certificates of indebtedness ("Schuldscheindarlehen"), registered bonds ("Namensschuldverschreibungen") and drawings under committed credit facilities





# Management & Shareholders Committed to Strong Investment Grade Rating

### Financial Policy

- Ensure rating stability and continue to position OGE as a "defensive" asset among the investor community
- Demonstrate to the regulator that the group continues to be managed in a prudent fashion
- Ensure that the group maintains a comfortable liquidity position to cover its funding needs

# Dividend Policy

- The dividend policy is based on the financial policy of the group
- The members of the consortium generally see OGE as a long-term investment, ensuring their common interest to follow a sustainable financial and dividend policy
- The consortium is composed of large and diversified investors with the flexibility to adjust dividends in case the company's operations and/or investment activities require



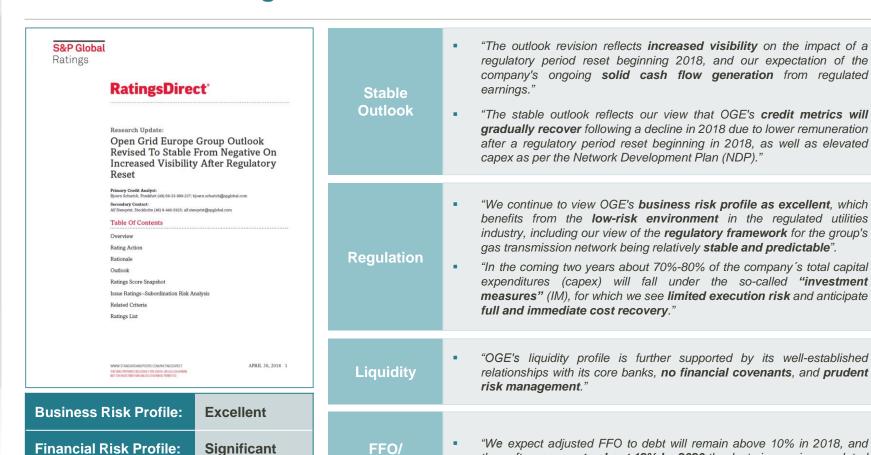
**Liquidity Position:** 

Adequate



thereafter recover to about 12% by 2020 thanks to increasing regulated

### S&P's Credit Rating — "A- stable outlook"



FFO/

**Debt Outlook** 

earnings."





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# **Excellent Business Profile Underpinned by Stable & Predictable Nature of the Business**

Strong Market Position
Stable Regulated Business
Predictable CAPEX with regulated return
Robust Financial Profile
Experienced Operator

#### A- Rated German Gas Infrastructure Business





# **Summary of Proposed Terms & Conditions**

	Issue	Senior Unsecured Notes
	Issuer	Vier Gas Transport GmbH
	Issuer rating	A-/Stable/A-2 by S&P
	Issue rating	A- expected
	Currency	EUR
	Amount	EUR 500m (no grow)
	Tenor	Target maturity of 10 years
New Issue	Coupon	Fixed, payable annually, Act / Act (ICMA)
	Redemption	Bullet
	Documentation	Neg pledge, Pari passu, x-default, Make-whole call, 3-months par call, Clean up call (80%)
	Denominations	EUR 100k + 100k
	Uses of Proceeds	General Corporate Purposes
	Listing	Luxembourg (Regulated Market)
	Governing Law	German
	Distribution	Regulation S only



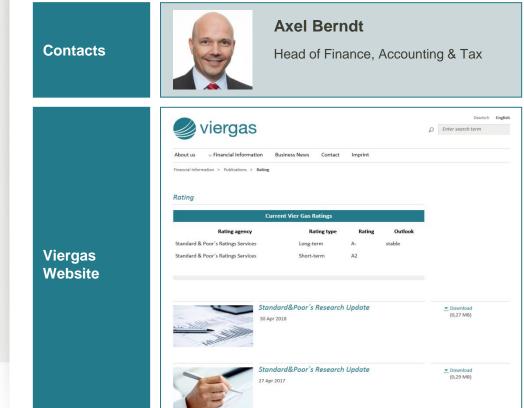


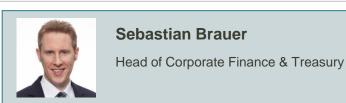
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# **Treasury Contacts & Ongoing Investor Engagement**







Email Phone Website
info@viergas.de +49 201 384 58 740 www.viergas.de





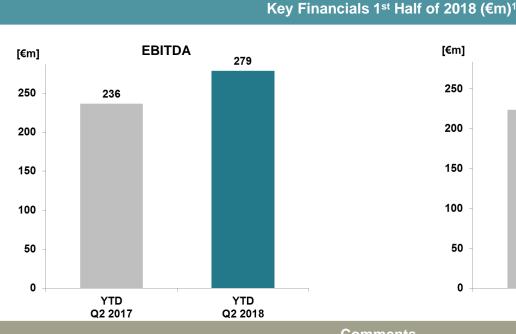
# **Glossary**

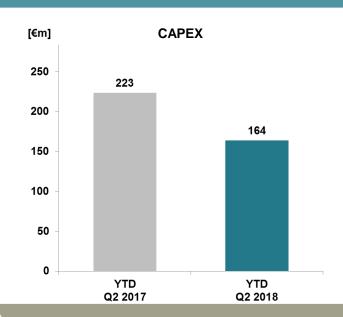
ARegV	Anreizregulierungsverordnung (Ordinance on Incentive Regulation)
BNetzA	Bundesnetzagentur (German Federal Network Agency for Electricity, Gas, Telecommunications, Post and Railway)
EnWG	Energiewirtschaftsgesetz (German Energy Industry Act)
FNB Gas	Vereinigung der Fernleitungsnetzbetreiber Gas (Association of German Gas TSOs)
HGB	Handelsgesetzbuch (Code of commercial law for companies in Germany/"German GAAP")
LNG	Liquefied Natural Gas
IMA / IM	Investitionsmaßnahme (Investment Measure)
NDP	Network Development Plan
RP	Regulatory Period
TSO	Transmission System Operator





# EBITDA of VGT Group per Q2 2018 Significantly Above Prior Year





#### Comments

- Transport revenues above prior year level
  - Planned tariff increase
  - Higher volumes than anticipated
- Service revenues slightly above prior year
- Operating and other expenses slightly below prior year

- CAPEX significantly below prior year due to timing effects
- Main projects (NDP2):
  - Pipeline Schwandorf-Forchheim-Finsing
  - Compressor station (CS) Herbstein
  - Machine units at CS Werne

<sup>1</sup> IFRS Condensed Interim Consolidated Financial Statements of Vier Gas Transport GmbH as of 30 June 2018. Aggregated figures may contain rounding differences.

<sup>&</sup>lt;sup>2</sup> NDP = Network Development Plan





# **VGT Group Income Statement**

#### 1st Half of 2018 (€m)¹

Income Statement				
[€m]	YTD Q2 2018	YTD Q2 2017	Δ	
Transport & related revenues	450	417	+33	
Other revenues	54	52	+2	
Total revenues	504	469	+35	
Other income	17	19	-1	
Cost of materials	-137	-135	-2	
Personnel costs	-79	-79	-0	
Other expenses	-33	-40	+7	
Equity income	6	2	+3	
EBITDA	279	236	+42	
Depreciation	-72	-77	+5	
EBIT	207	160	+47	
Interest result	-27	-32	+5	
Current taxes	-62	-49	-12	
Deferred taxes	10	12	-2	
Net Income	128	90	+37	

<sup>1</sup> IFRS Condensed Interim Consolidated Financial Statements of Vier Gas Transport GmbH as of 30 June 2018. Aggregated figures may contain rounding differences.



[€m]

Deferred tax assets

Current assets

Total

Non-current receivables

Total non-current assets



[€m]

Δ

+0

+0

+49

+0

+49

+10

+111

# **VGT Group Balance Sheet**

#### 1st Half of 2018 (€m)1

Non-current liabilities

Provisions for pensions

**Balance Sheet** 

#### Q2 2018 Q4 2017 Δ Non-current assets Equity Subscribed capital Intangible assets 40 42 -2 830 830 Additional paid-in capital Goodwill +0 Retained earnings Property, plant and equipment 3,422 3,346 +76 Financial assets 146 154 -8 Accumulated OCI 113 121 -8 Total equity at equity method other financial assets 32 33 -0

27

39

4,505

4,771

27

40

4,439

+0

-1

+66

Assets

Total current assets	266	221	+45
Cash and cash equivalents	151	106	+45
Other receivables	51	37	+14
Recievables from tax creditors	5	14	-8
Trade receivables	24	34	-10
Inventories	35	30	+4

Other provisions	95	93	+3
Financial liabilities	2,554	2,553	+1
Other non-current liabilities	29	29	-0
Deferred tax liabilities	483	493	-10
Total non-current liabilities	3,302	3,298	+3
Current liabilities			
Other provisions	31	34	-3
Financial liabilities	181	108	+73
Trade payables	44	82	-38
Income tax liabilities	1	0	+1
Other liabilities	99	74	+26
Total current liabilities	357	298	+59

**Equity and Liabilities** 

Q2 2018 Q4 2017

926

140

1,064

130

0

926

188

1,112

140

4,771

4,660

-2

<sup>1</sup> IFRS Condensed Interim Consolidated Financial Statements of Vier Gas Transport GmbH as of 30 June 2018. Aggregated figures may contain rounding differences.
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+111

Total

4,660





# **VGT Group Cash Flow Statement**

#### 1st Half of 2018 (€m)¹

Cash Flow Statement			
[€m]	YTD Q2 2018	YTD Q2 2017	Δ
Net Income	128	90	+ 37
Operating Cash Flow	263	191	+ 72
Investing Cash Flow	-175	-204	+ 29
Free Cash Flow	87	-13	+ 101
Financing Cash Flow	-43	-23	- 20
Total Cash Flow of the period	45	-36	+ 81
Cash Position beginning of period (01.01.)  Cash Position end of period (30.06.)	106 <b>151</b>	189 <b>153</b>	- 83 <b>- 2</b>

<sup>&</sup>lt;sup>1</sup> IFRS Condensed Interim Consolidated Financial Statements of Vier Gas Transport GmbH as of 30 June 2018. Aggregated figures may contain rounding differences.