#### **Rosneft Climate Goals Summary**



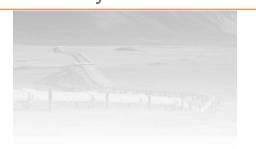
Preventing emissions<sup>1</sup> by 2035

Reduction of Upstream emissions intensity<sup>2</sup> by 2035 Reduction of methane emissions intensity
by 2035

Achieving zero routine flaring by 2035

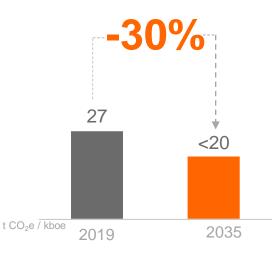








**-20** mln t CO<sub>2</sub>e



<0.25%

Zero
flaring<sup>3</sup>

Note: all figures are for assets in Russia only.

<sup>&</sup>lt;sup>1</sup> Preventing of absolute Scope 1 and 2 (direct and indirect) emissions in comparable terms.

<sup>&</sup>lt;sup>2</sup> Scope 1 and 2 (direct and indirect) emissions

<sup>&</sup>lt;sup>3</sup> Zero routine flaring of associated gas.

# Rosneft is in a Unique Position to Deliver its 2035 Climate Goals



# in Russia and Rosneft's depleted fields potential to develop CCUS projects for disposal of greenhouse gas and APG storage

**Underground storage potential** 

# Great potential of natural carbon sinks in Russia

to develop forest conservation projects and offset CO<sub>2</sub> emissions

Size of the company allows to realize "economy of scale" (e.g., when replacing traditional generation with renewable energy)

#### **Leadership in lifting costs**

allows to finance decarbonization and remain competitive on the cost curve **Extensive natural gas resource**base with low production costs
and growth potential

## Levers to Deliver GHG Reduction Goals (1/2)



	Lever	Details
	Energy saving and energy efficiency	Energy savings have already achieved >4 mln toe <sup>1</sup> Company will continue energy efficiency program through <b>continuous improvements</b> , <b>including automation systems for lowering energy consumption</b>
( <u>^</u>	APG utilization and flaring reduction	APG flaring reduction program acceleration and "zero routine flaring" target Company considers additional options on application of advanced technologies for APG reinjection and APG utilization
CH <sub>4</sub>	Methane emissions	Advanced processes of <b>leakage prevention and elimination with innovative technologies</b> : drones, laser and infrared scanners, supersonic detectors
Pari	Share of gas in portfolio	Rosneft plans to produce 100 bcm of gas, increasing gas in portfolio to >25%

<sup>1</sup> For 2014-9M2020 period.

### Levers to Deliver GHG Reduction Goals (2/2)



Lever		Details
	CCUS projects	Rosneft plans to <b>leverage underground storage potential</b> of Russia, its own depleted fields and infrastructure
		Analysis, development and pilot projects of carbon capture, chemical neutralization, transportation and storage
		CCUS projects likely will be linked with blue hydrogen projects
	Renewables	Potential for substitution of traditional thermal power with renewable Renewable energy at new projects – economy of scale potential
HH	New products	Evaluation of projects producing new clean products, including <b>blue hydrogen</b> (optionally – green hydrogen) and other sustainable fuels, e.g. sustainable aviation fuel and biofuels – Scope 3 emissions reduction <sup>1</sup>
		Retrofitting existing steam methane reforming hydrogen production, achieving OPEX synergies with CCUS and economy of scale
	Natural carbon sinks	Unlock natural carbon sinks potential of Russia and develop full-scale forest conservation program to offset CO <sub>2</sub> emissions <sup>2</sup>

<sup>&</sup>lt;sup>1</sup> Emissions from customers' use of Company's products.

<sup>&</sup>lt;sup>2</sup> Including mechanisms of net compensation of emissions through quotas purchase and monetization.