

# VERIFICATION STATEMENT

---

Statement no:  
2022-10338232

Valid from:  
February 28, 2022

Valid to:  
N/A

## RWE Furec

### Phase II GHG Assessment of the EU Innovation Fund Call for Proposal

DNV Business Assurance Norway AS (DNV) was commissioned by RWE Furec to provide third-party verification of its GHG reduction calculations prepared by RWE Furec as part of the Phase II application under the EU Innovation Fund Call for Proposals. The GHG reduction calculations which are based on the data provided in "GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2021\_en FUREC V1.xlsx", encompass the emission reduction potential of the Project over a 10 year period, as per the EU emission calculation methodology guidelines.

The verification was conducted under the requirements of ISO 14065 and Annex C: Methodology for calculations of GHG emission avoidance of the EU Innovation Funds Call for proposals for the scopes "Energy intensive industry (EII) including CCU and biofuels" and "Carbon Capture and Storage", applying a reasonable level of assurance.

The verification was conducted between 21 Feb and 25 Feb 2022, during which RWE provided its GHG calculations in "GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2021\_en FUREC V1.xlsx".

The project boundaries for the CCS Sector emission sources reported in table 3.1 of Annex C have been taken into account including post capture CO<sub>2</sub> treatment and local storage. For the EII, EU ETS product benchmark have been considered as sector boundaries of the processes.

DNV has performed the verification on the RWE Furec Project, planned to be located at Chemelot, The Netherlands, with the following approach:


- Review of calculation methods in GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2021\_en FUREC V1.xlsx to be in line with the scopes of *Energy intensive industry (EII) including CCU and biofuels* and *Carbon Capture and Storage*
- Review of source references
- Review project assumptions
- Review the monitoring plan and QA & QC planning
- Review of the applied project boundaries and used reference scenarios to comply those applicable for the scopes *Energy intensive industry (EII) including CCU and biofuels* and *Carbon Capture and Storage*,
- Interviews with key personnel through Teams call
- Closing out Non-Compliances and clarifications

In our opinion, RWE has in "GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2021\_en FUREC V1.xlsx" correctly calculated the:

Reference emissions:	3 572 353	tCO <sub>2</sub>
Project emissions:	-47 547	tCO <sub>2</sub>
Accumulated GHG emission avoidance:	3 619 900	tCO <sub>2</sub>
Relative Accumulated GHG emission avoidance:	101	%

We believe that the GHG emissions calculations set out in "GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2021\_en FUREC V1.xlsx" are fairly stated.

Place and date: Høvik, February 28, 2022  
DNV BUSINESS ASSURANCE NORWAY AS



Willem de Kleuver  
Lead Auditor



Frans Blank  
Technical reviewer



Dmitry Sukhinin  
Sustainability Manager

## Appendix I – Non-compliances and clarifications

Verification performed on the basis of general plant information, parameters and GHG calculations in "GHG calculator Energy intensive industries ghg-calculator-eii\_innovfund-lsc-2020-two-stage\_en FUREC V1.xlsx" provided by RWE.

Project boundaries: none

Accuracy and completeness of data: none

Assumptions and conversion factors: none

Monitoring and QA/QC planning: none

## Absolute and Relative GHG Emissions Avoidance

### Absolute GHG Emissions Avoidance

Net absolute GHG emissions avoided due to operation of the project during the first 10 years of operation, in tCO<sub>2</sub>e.

Accumulated GHG emission avoidance	=	Reference emissions	-	Project emissions
$\Delta\text{GHG}_{\text{abs}}$	=	Ref	-	Proj
3619900,435	=	3572353,203	-	-47547,23184

### Relative GHG Emissions Avoidance

Relative GHG emissions avoided due to operation of the project during the first 10 years of operation, in percent.

Accumulated GHG emission avoidance	=	Accumulated GHG emission avoidance	÷	Reference emissions (only principal products)
$\Delta\text{GHG}_{\text{rel}}$	=	$\Delta\text{GHG}_{\text{abs}}$	÷	Ref <sub>pp</sub>
101%	=	3619900,435	÷	3572353,203