

## Configuration

NED API Key



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Start Year

End Year

2025

2026



Fetch Data

# NED Energy Dashboard

Dutch Renewable Energy — Historical Capacity Factor Viewer



## Data Quality Report

### Year 2015

Test	Details	Solar	Wind Onshore
Completeness	1 rows (expected 8760)	✗ Incomplete	✗ Incomplete
Full Load Hours	Sum of CF	✗ Missing	⚠ 0 h (exp 1800–3000)
Physics Check	Values in [0, 1.05]	✗ Missing	✓ Pass

### Year 2016

Test	Details	Solar	Wind Onshore
Completeness	8784 rows (expected 8784)	✓ Pass	✓ Pass
Full Load Hours	Sum of CF	✓ 1135 h	✓ 2198 h
Physics Check	Values in [0, 1.05]	✓ Pass	✓ Pass

### Year 2017

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✓ Pass	✓ Pass
Full Load Hours	Sum of CF	✓ 1131 h	✓ 2292 h
Physics Check	Values in [0, 1.05]	✓ Pass	✓ Pass

### Year 2018

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✓ Pass	✓ Pass
Full Load Hours	Sum of CF	⚠ 1249 h (exp 800–1200)	✓ 2257 h
Physics Check	Values in [0, 1.05]	✓ Pass	✓ Pass

### Year 2019

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✓ Pass	✓ Pass
Full Load Hours	Sum of CF	⚠ 1234 h (exp 800–1200)	✓ 2486 h
Physics Check	Values in [0, 1.05]	✓ Pass	✓ Pass

### Year 2020

Test	Details	Solar	Wind Onshore
Completeness	8784 rows (expected 8784)	✓ Pass	✓ Pass
Full Load Hours	Sum of CF	⚠ 1221 h (exp 800–1200)	✓ 2957 h
Physics Check	Values in [0, 1.05]	✓ Pass	✗ 0 neg, 18 >1.05

## Year 2021

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✔ Pass	✔ Pass
Full Load Hours	Sum of CF	✔ 1146 h	✔ 2553 h
Physics Check	Values in [0, 1.05]	✔ Pass	✗ 0 neg, 102 >1.05

## Year 2022

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✔ Pass	✔ Pass
Full Load Hours	Sum of CF	⚠ 1288 h (exp 800–1200)	✔ 2634 h
Physics Check	Values in [0, 1.05]	✔ Pass	✗ 0 neg, 21 >1.05

## Year 2023

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✔ Pass	✔ Pass
Full Load Hours	Sum of CF	✔ 1193 h	⚠ 3056 h (exp 1800–3000)
Physics Check	Values in [0, 1.05]	✔ Pass	✔ Pass

## Year 2024

Test	Details	Solar	Wind Onshore
Completeness	8784 rows (expected 8784)	✔ Pass	✔ Pass
Full Load Hours	Sum of CF	✔ 1014 h	✔ 2838 h
Physics Check	Values in [0, 1.05]	✔ Pass	✔ Pass

## Year 2025

Test	Details	Solar	Wind Onshore
Completeness	8760 rows (expected 8760)	✔ Pass	✔ Pass
Full Load Hours	Sum of CF	✔ 1131 h	✔ 2614 h
Physics Check	Values in [0, 1.05]	✔ Pass	✔ Pass

## Year 2026

Test	Details	Solar	Wind Onshore
Completeness	1116 rows (expected 8760)	✗ Incomplete	✗ Incomplete
Full Load Hours	Sum of CF	⚠ 48 h (exp 800–1200)	⚠ 417 h (exp 1800–3000)
Physics Check	Values in [0, 1.05]	✔ Pass	✔ Pass



## Dashboard

Select date range



View Mode

## Installed Capacity Assumptions

Solar (GW)

0.80

-

+

Wind Onshore (GW)

0.20

-

+

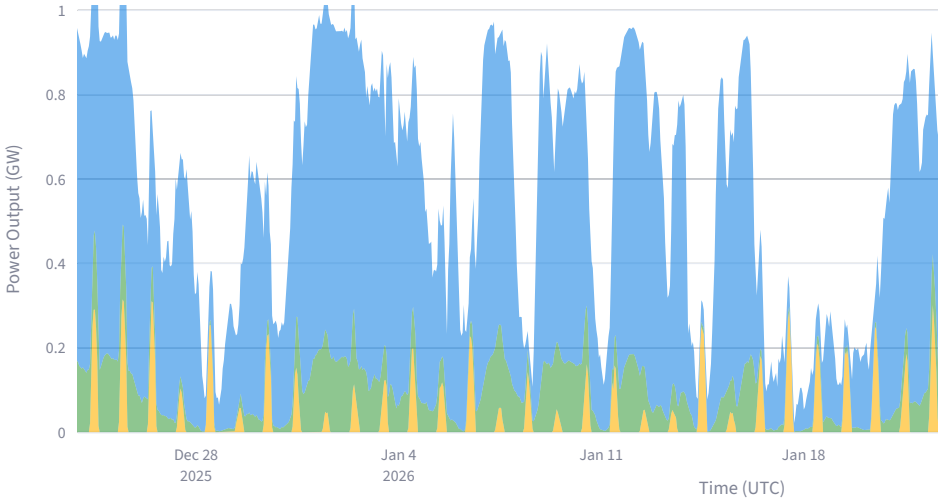
Wind Offshore (GW)

0.80

-

+

### Simulated Renewable Power Output



#### Selected range statistics:

- Peak combined output: **1.3 GW**
- Average combined output: **0.5 GW**
- Minimum combined output: **0.0 GW**
- Total energy: **4.7 TWh** (assuming hourly data)