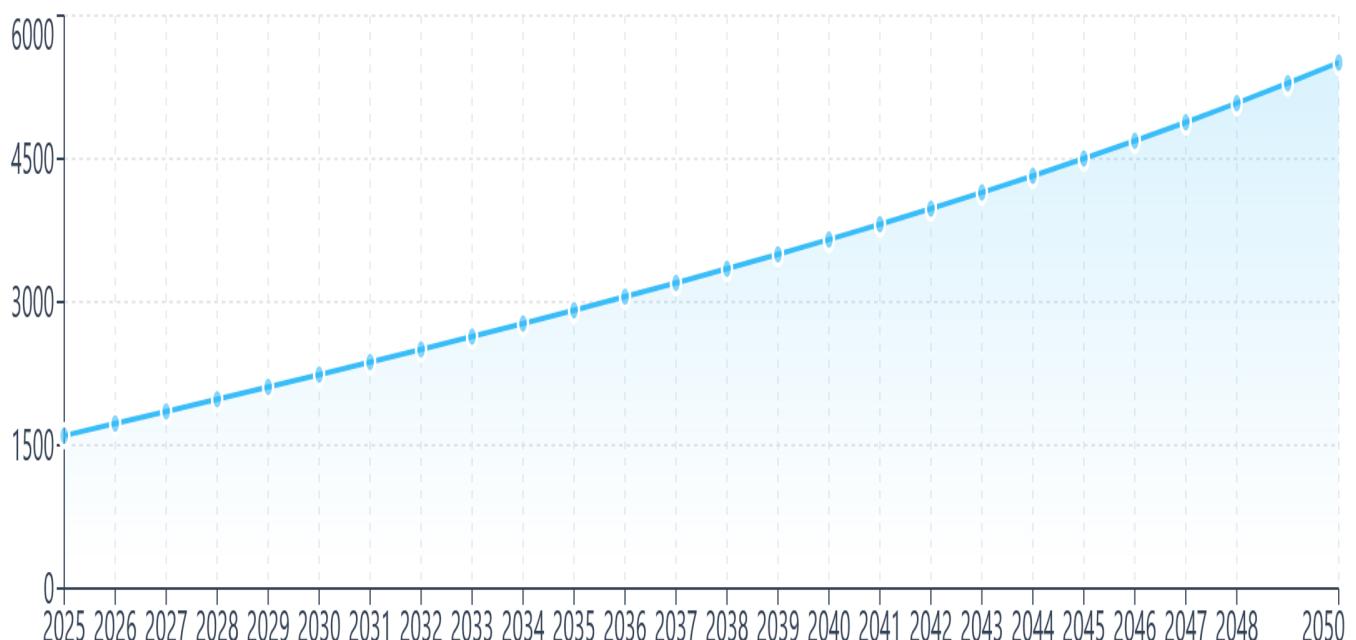




Year Range: 2025 - 2050

Current Projection: 5508.50 GWh

Wind Power Generation Chart



Wind Power Generation Data Table

Year	Predicted Production (GWh)
2025	1601.51
2026	1727.76
2027	1854.59
2028	1982.19
2029	2110.76
2030	2240.49

Year	Predicted Production (GWh)
2031	2371.61
2032	2504.35
2033	2638.93
2034	2775.61
2035	2914.66
2036	3056.35
2037	3200.97
2038	3348.82
2039	3500.23
2040	3655.53
2041	3815.06
2042	3979.20
2043	4148.34
2044	4322.87
2045	4503.22
2046	4689.83
2047	4883.17
2048	5083.72

Year	Predicted Production (GWh)
2049	5291.98
2050	5508.50

RECOMMENDATIONS

Based on the projected increase in wind power generation, we recommend:

- Invest in advanced turbine technology to improve efficiency in varying wind conditions.
- Develop more sophisticated wind forecasting systems to optimize generation scheduling.
- Implement smart grid integration to better manage intermittency challenges.
- Explore hybrid wind-storage solutions to enhance reliability and grid stability.

Sources:

1. Placeholder source for wind pattern data
2. Placeholder source for turbine performance
3. Placeholder source for efficiency models
4. Placeholder source for capacity forecasts

