

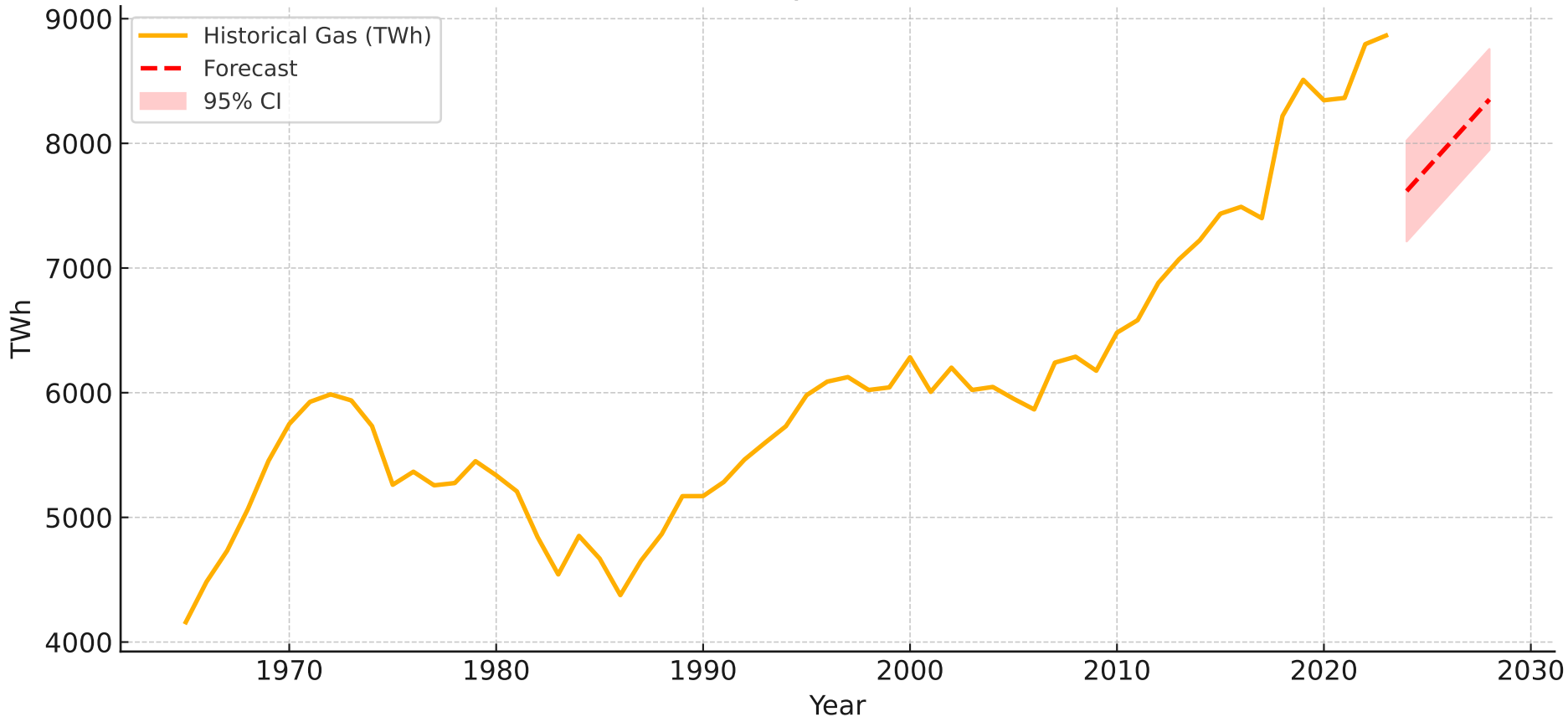
ESG Tracker Executive Report

U.S. Energy Forecasting & Emissions Modeling

Date: July 11, 2025

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U.S. Gas Consumption Forecast (5-Year)



Baseline Forecast Summary

□ ESG Executive Summary

Year analyzed: 2023

Baseline CO₂ intensity: 0.35 Mt/TWh

Avg forecasted gas: 7985.1 TWh

Projected total energy: 13314.5 TWh

Estimated CO₂ intensity: 0.37 Mt/TWh

Δ Intensity vs. baseline: +0.02 Mt/TWh

Scenario Simulation Summary

□ Green Shift Scenario Comparison

Baseline Gas Forecast: 7985.1 TWh

Baseline Emissions: 3273.9 Mt CO₂

Baseline Intensity: 0.297 Mt/TWh

Baseline Cost: \$479,106

Baseline CO₂ Tax: \$327,389

Scenario Comparisons:

10% shift → Δ Emissions: -327.4 Mt CO₂, Δ Intensity: -0.030, Savings: 15,970, $Tax\Delta$: 32,739