

Generation Portfolio Forecast Analysis

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Date: June 8, 2024

1. Executive Summary

This document provides a forecast analysis of the company's electricity generation portfolio for the period 2025-2029. It incorporates projected capacities, expected generation outputs, and key risk factors impacting the forecast.

2. Generation Portfolio Overview

Asset	Type	Capacity (MW)	2025 Output (GWh)	2029 Output (GWh)	Main Risk
Riverbend Station	Hydro	320	1,140	1,135	Hydrology Variability
Sunview Park	Solar	180	372	368	Weather Fluctuation
Northwind Fields	Wind	150	465	470	Wind Resource
Pioneer Plant	Gas	400	1,800	1,750	Fuel Cost
Central Battery	Storage	50	87	92	Storage Degradation

3. Key Forecast Drivers

- Market Demand:** Projected increase of approximately 2% annually drives incremental elective generation.
- Asset Additions:** 60 MW Solar expansion expected by end of 2026, supporting renewable targets.
- Regulatory Factors:** Emissions regulations will reduce gas plant output by an estimated 3% over the period.

4. Scenario Summary

Base Case: Stable growth with moderate weather variability, current technology lifespan assumptions.
High Demand: Accelerated market growth, potential supply shortfall managed through short-term market purchases.
Low Renewable Output: Extended drought and below-average wind, mitigated by increased dispatch from gas plant and storage.

5. Important Notes

- This analysis relies on best-available projections; actual performance may vary due to weather and market changes.
- Risk factors such as regulatory shifts or prolonged fuel price volatility can significantly impact forecast outputs.
- Assumptions regarding generation asset performance and degradation are subject to periodic review and revision.
- This document is for internal planning purposes and does not constitute a commitment to generation capacities or outputs.