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Center for Energy and Environment

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Minnesota's Aging Power Plant Fleet and the Clean Energy First Opportunity

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Technical Research



Programs & Engineering



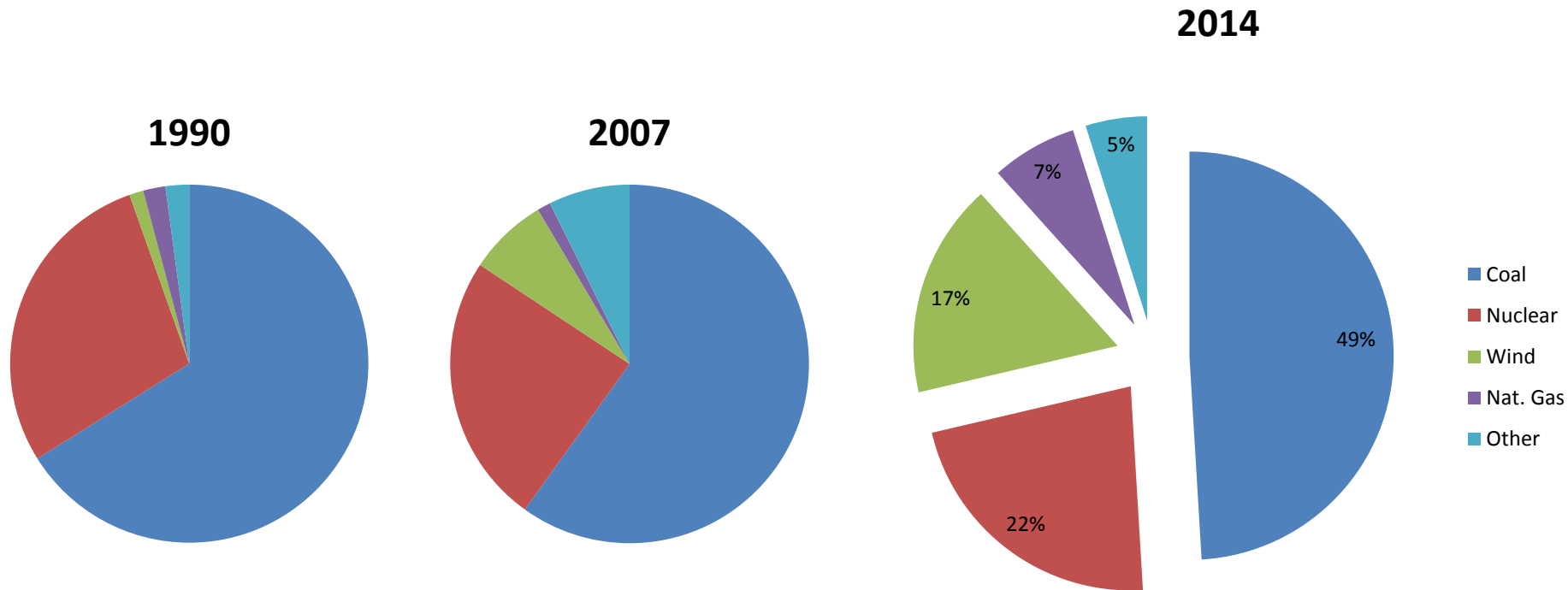
Community Energy Planning



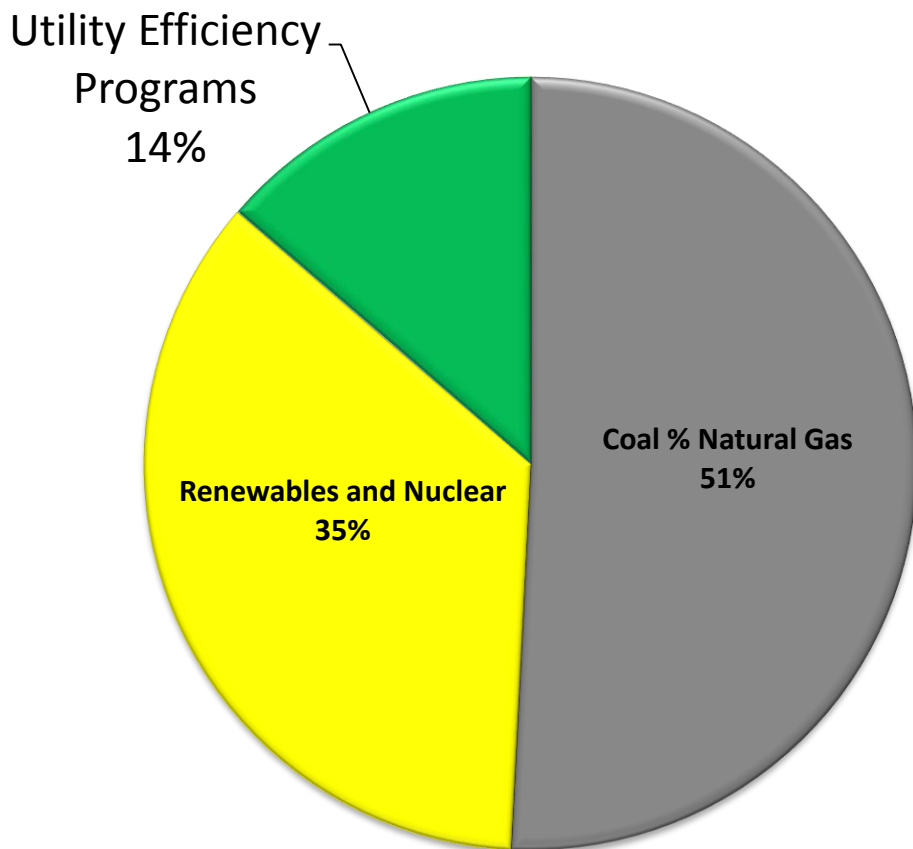
Clean Energy Financing



The Transformation So Far...



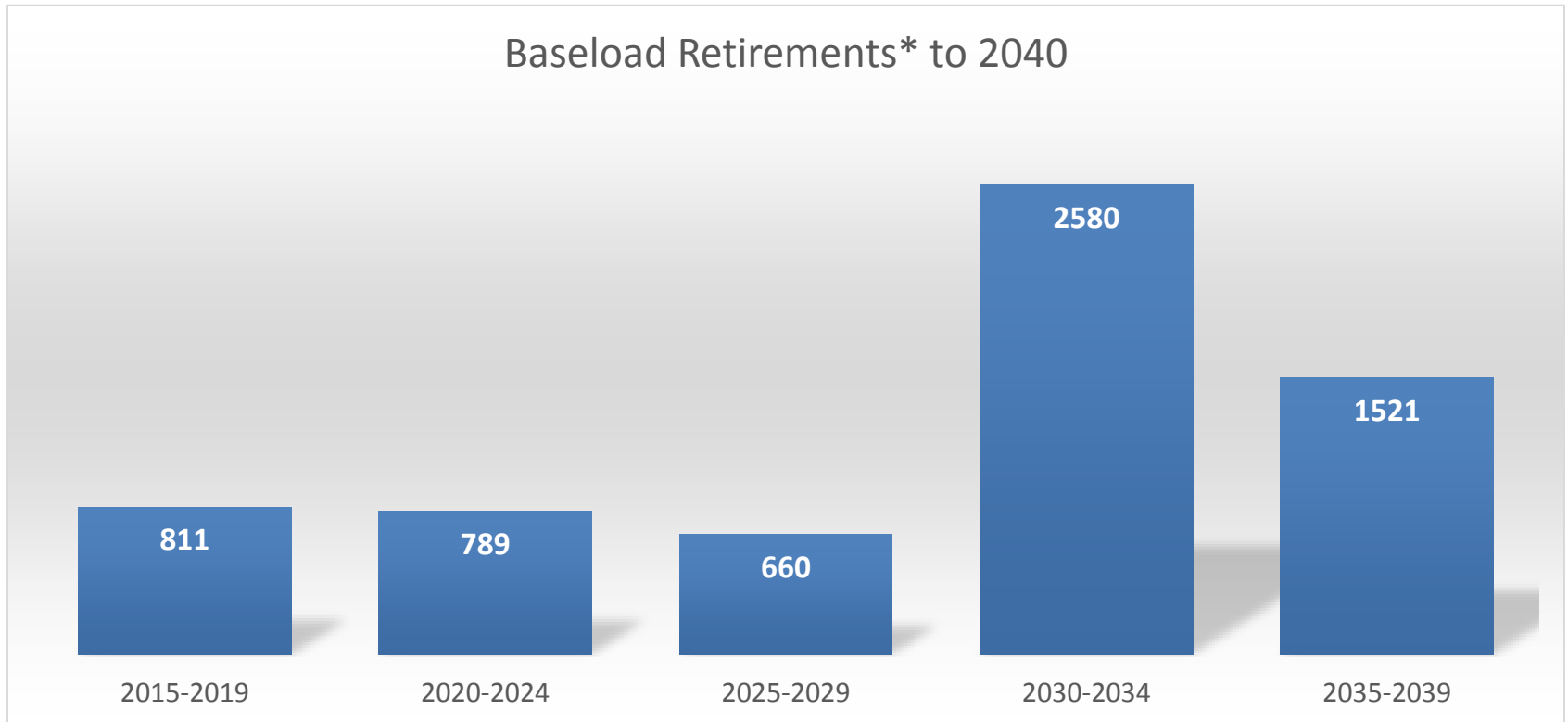
2013 MN Electric Generation Resources including Energy Efficiency



Minnesota's Largest Power Plants

Utility	Power Plant	Plant Capacity in MW	Projected End of Life or Announced Retirement
MP	Taconite Harbor	168	2016*
MP	Boswell Unit 1 & 2	150	2018
Otter Tail	Hoot Lake Units 2 & 3	129	2020
Xcel	Sherco 1 & 2	1360	<u>2023 & 2026</u>
Xcel	Monticello	671	2031
Xcel	Sherco 3	860	2033
Xcel	Prairie Island 1 & 2	1100	2033, 2034
MP	Boswell Unit 3 & 4	923	2035, 2036
Xcel	Allen S. King	598	2037
Totals		4,104 coal 5,959 coal + nuclear	

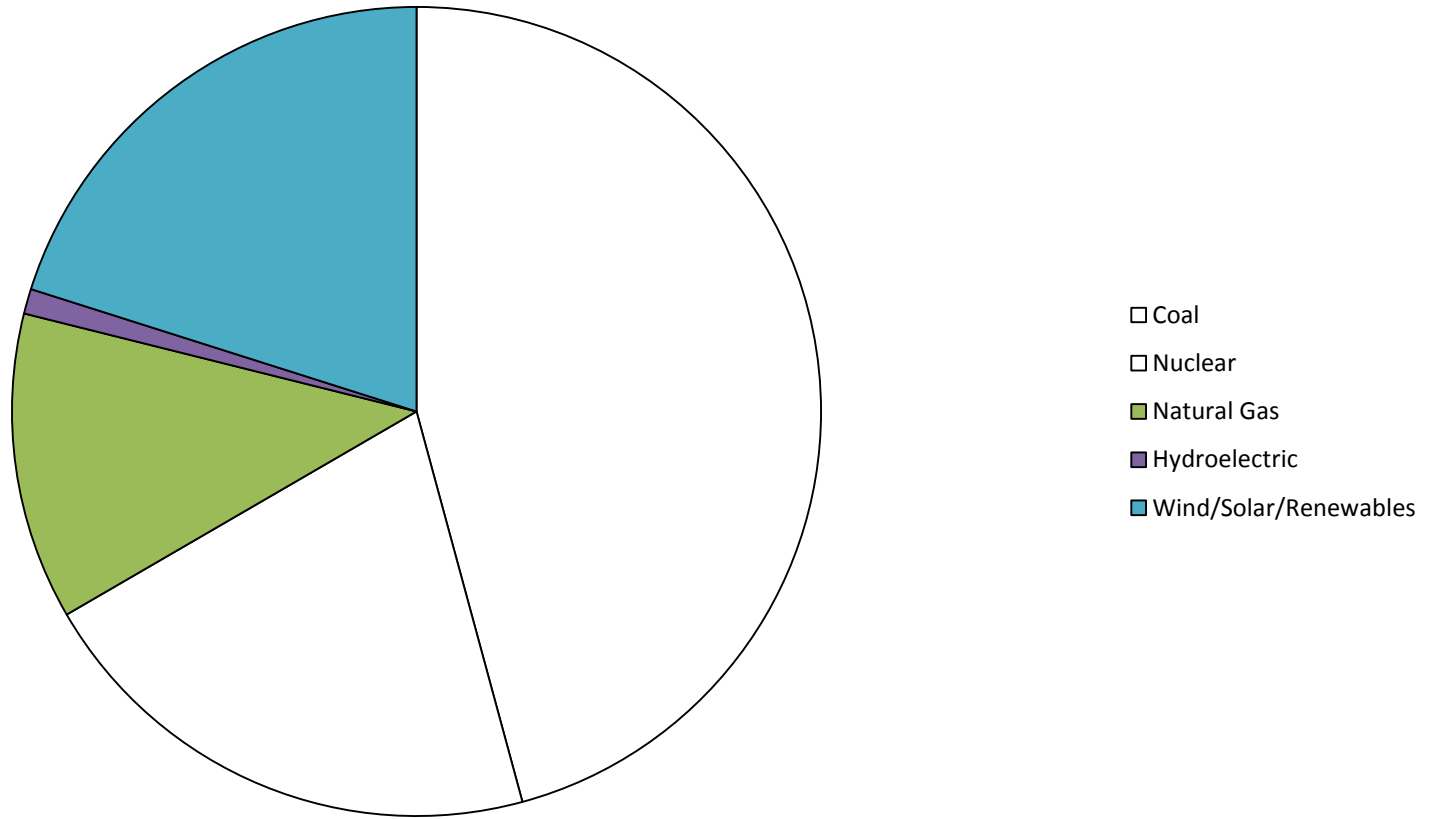
Announced & Projected Retirements



*MWs based on publicly announced utility retirements, reported facility “book life” in PUC depreciation filings and date nuclear operating licenses expire.

By 2040, 70% of MN's Electricity Generation will need to be Replaced

Megawatt Hours: 2013-2040



THANK
you!

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