
ERCOT Sensitivity to Gas Curtailment

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ERCOT Generation by Primary Fuel Type

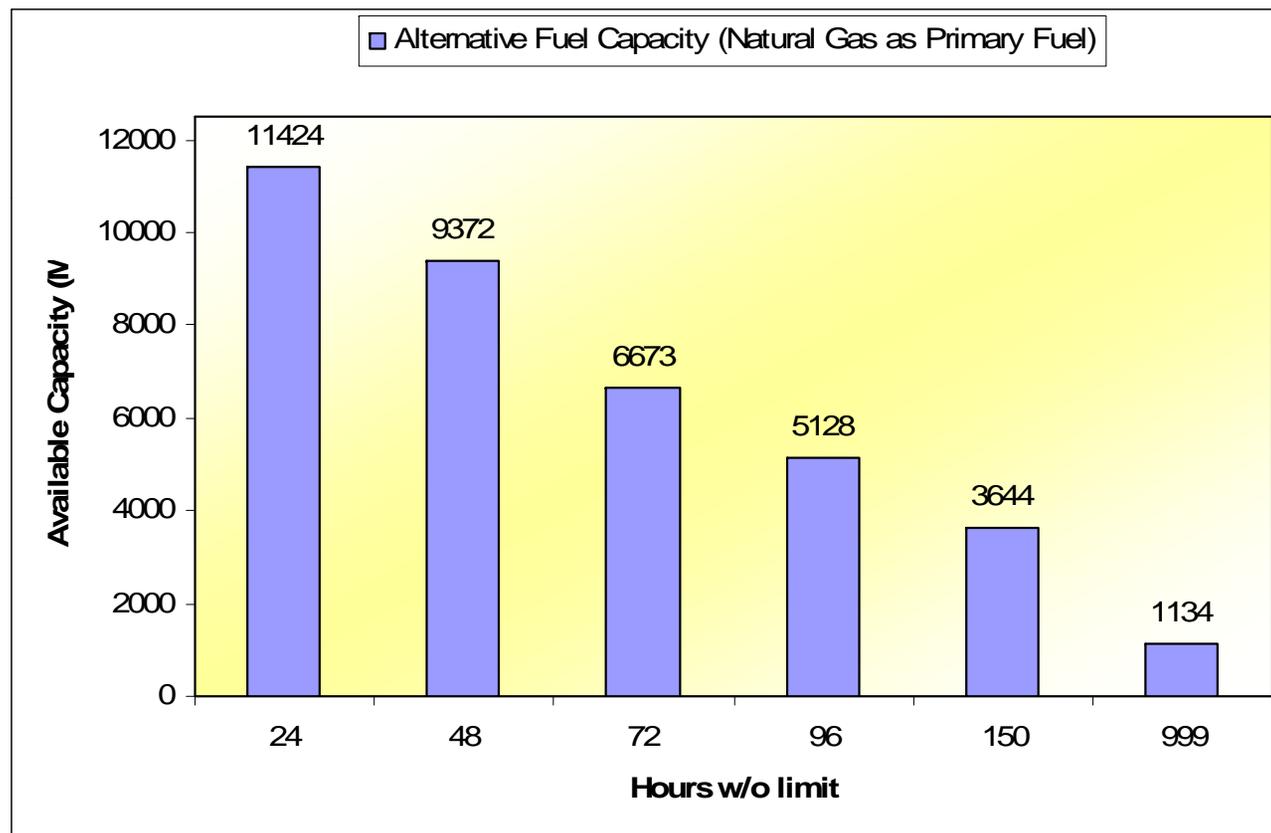
Primary Fuel	Capacity (MW)	% of total capacity	# of Units
BIT (Bituminous Coal)	3114	4.19%	5
LIG (Lignite)	9577	12.87%	15
Other	4	0.00%	1
NG (Natural Gas)	49718	66.82%	381
NUC (Nuclear)	5132	6.90%	4
PC (Petroleum Coke)	140	0.19%	1
SUB (Sub-bituminous Coal)	6201	8.33%	11
WAT (Water)	515.8	0.69%	22
Total	74401.8	100.00%	440

Natural Gas Units with Alternate Fuel Capability

Primary	Alternative	Capacity (MW)	Alternative Capacity	# of units
NG (Natural Gas)	DFO (Distillate Fuel Oil)	11413	9360	70
NG (Natural Gas)	JF (Jet Fuel)	366	0	6
NG (Natural Gas)	OG (Other Gas)	520	440	4
NG (Natural Gas)	RFO (Residual Fuel Oil)	2857	1624	9
Total		15156	11424	89

Hours Units with Alternate Fuel Capability can run on Alternate Fuel at Full Capacity

- **Of the 89 operational dual fuel capable units with natural gas as primary fuel that responded:**



Natural Gas Curtailment Scenario

Primary Fuel	MW Capacity Only Dual Fueled units curtailed	MW Capacity Remaining gas 25% curtailed	MW Capacity Remaining gas 25% curtailed for 4 days
BIT (No reduction)	3114	3114	3114
LIG (No reduction)	9577	9577	9577
Other (No reduction)	4	4	4
NG (Using alternate fuel))	11424	11424	5128
NG Remaining	34562	25921	25921
NUC (No reduction)	5132	5132	5132
PC (No reduction)	140	140	140
SUB (No reduction)	6201	6201	6201
WAT (No reduction)	516	516	516
Total	70670	62029	55733

ERCOT historical winter peak load 55,856 MW

Sensitivities

Capacity Shortage more likely if:

- Outages on solid fueled generation, gas generation with alternate fuel capability or other gas generation and gas cannot be used for other units (likely).
- Greater than 25% gas curtailment (?)
- Load higher than all-time peak all hours (not likely)

Capacity Shortage less likely if:

- Load not at all-time peak for all hours (likely)
- Gas curtailment less than 25% (?)