



Streamlined and strengthened Generation business

2

Market trends are mixed

3

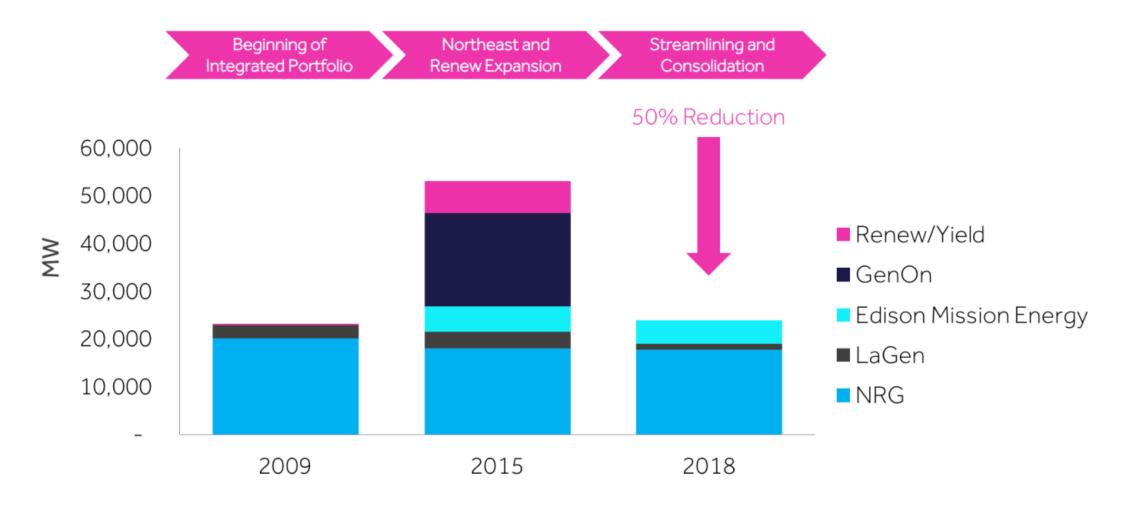
Demonstrating benefits of an integrated platform



STREAMLINED AND STRENGTHENED



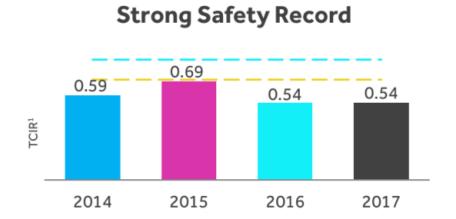
IMPROVED GENERATION PORTFOLIO...

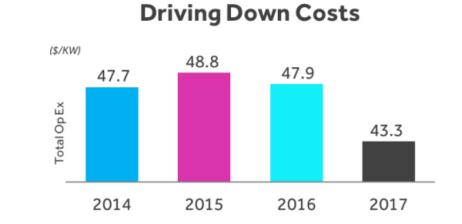


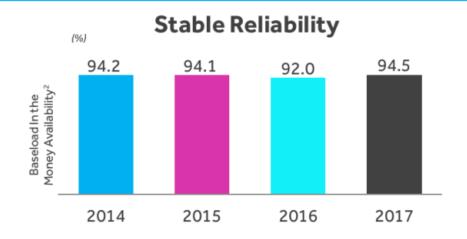
... STREAMLINED AND STRENGTHENED



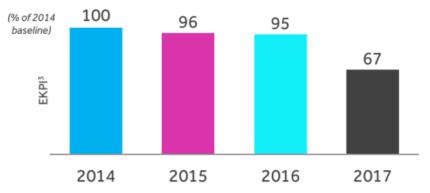
CONTINUED FOCUS ON BEST IN CLASS OPERATIONAL PERFORMANCE...









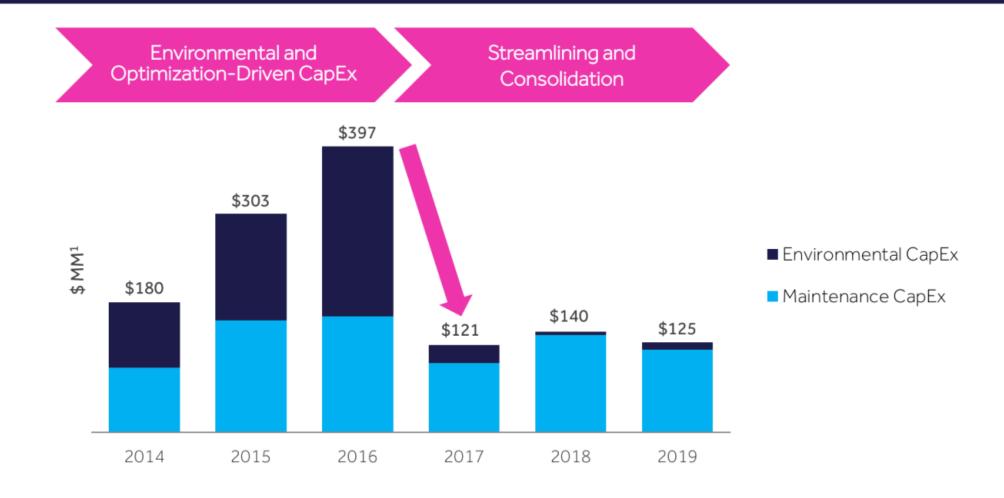


... RESULTING IN STRONG RELIABILITY WHILE BECOMING LEANER

¹ Excludes planned asset divestures; excludes Goal Zero, NRG Home Services and NRG Home Solar; top decile and top quartile based on Edison Electric Institute 2015 Total Company Survey results; TCIR = Total Case Incident Rate; ² Includes Big Cajun 2; ³ EKPI consists of notices of violation (NOV's), reportable spills, noncompliance events, overdue administrative tasks; excludes planned asset divestures



FORWARD ENVIRONMENTAL CAPEX MUCH LOWER...



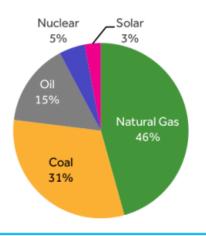
...FREEING UP SIGNIFICANT CASH



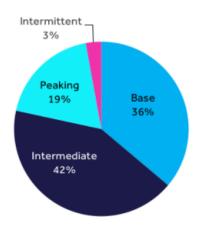
NRG PORTFOLIO – POST ANNOUNCED ASSET SALES



Fuel Type (GW)



Merit Order (GW)

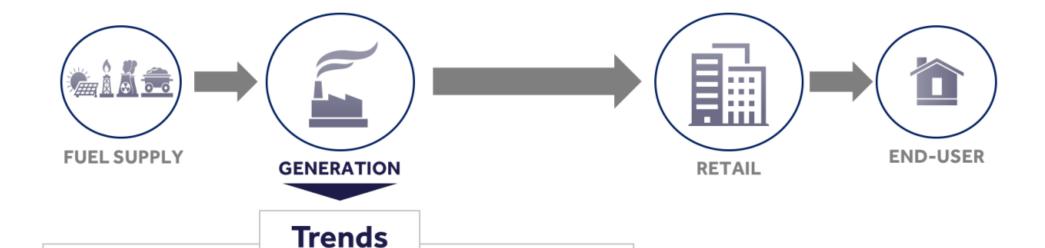




MARKET TRENDS



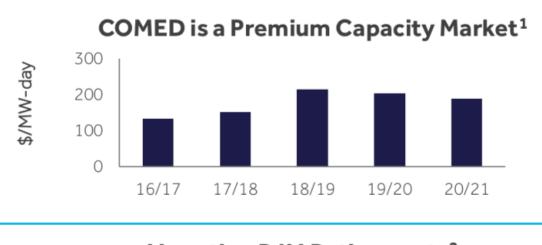
MARKET TRENDS ARE MIXED



- Asset retirements
- Market reforms
- Low natural gas prices
- Renewables build out
- New disruptive technologies (e.g. batteries)



EAST - MARKET PROVIDES STRONG CAPACITY REVENUES...





Deactivation Requests

Positive Regulatory Changes

Туре	Description
PJM Energy	 Price formation reform would allow inflexible units to set price and could increase prices by \$3- \$4/MWh Fast-Start proceeding
PJM Capacity	 Expand Minimum Offer Price Rule (MOPR) Two stage auction
FERC Resiliency	 FERC begins proceeding to evaluate power system resilience Assets with on-site fuel storage a focus

... WITH POTENTIAL FOR SIGNIFICANT MARKET REFORMS

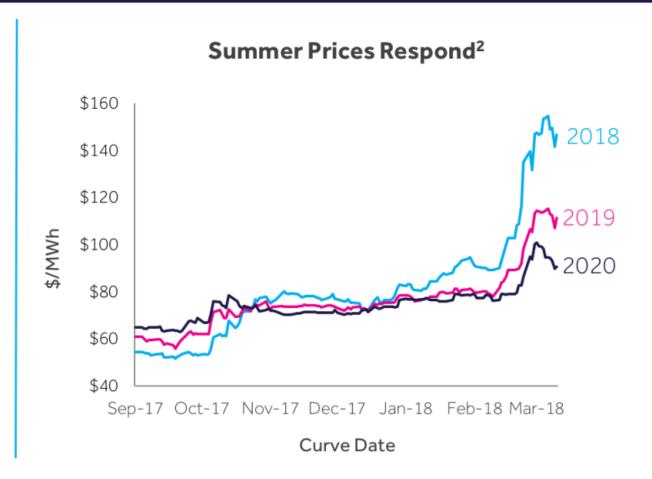
 $^{^{1}}$ 16/17 & 17/18 prices from transitional auction for CP; 2 Sourced from PJM Future Deactivation Requests as of 3/14/2018; represents future deactivation; older deactivations are those deactivations where the Official Owner Request is prior to 3/17/2017



ERCOT - MARKET FUNDAMENTALS CONTINUE TO IMPROVE...

Retirements Drive Lower Reserve Margins

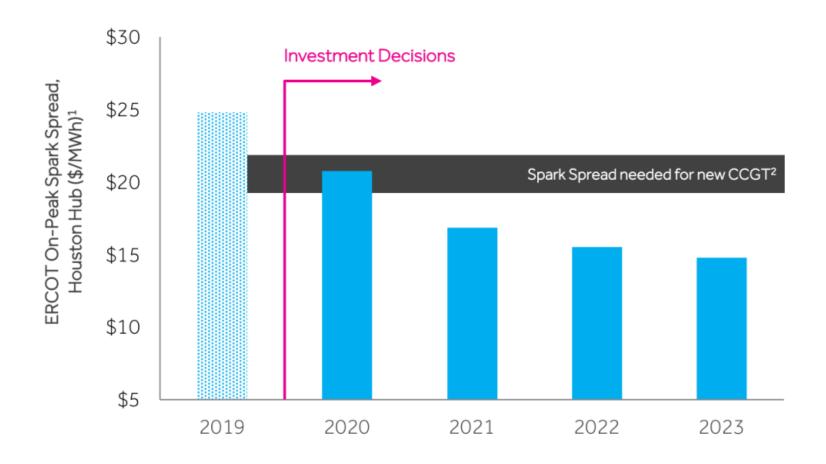




...DRIVING RESERVE MARGINS LOWER AND PRICES HIGHER



ERCOT - CURRENT MARKET DOES NOT SUPPORT NEW BUILD

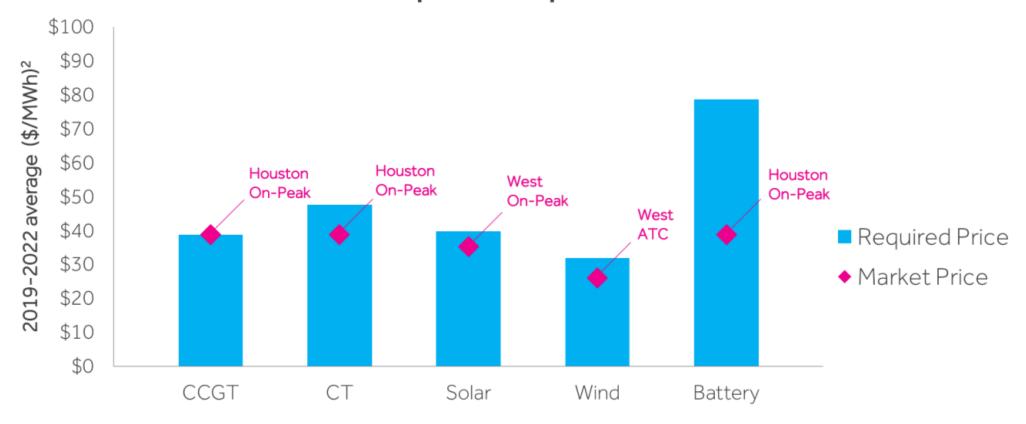


¹ Spark spreads based on forward on-peak power prices vs. 7 heat rate x Houston Ship Channel gas. Curve date = 3/14/2018; ² CCGT CONE range calculated based on overnight capital cost of \$700/kW; spark spreads = On-peak power - 7 heat rate x Houston Ship Channel gas



ERCOT - NEW BUILD ECONOMICS ACROSS TECHNOLOGIES ARE CHALLENGING...

Market Power Price Compared to Required Power Price¹



... PARTICULARLY FOR BATTERIES

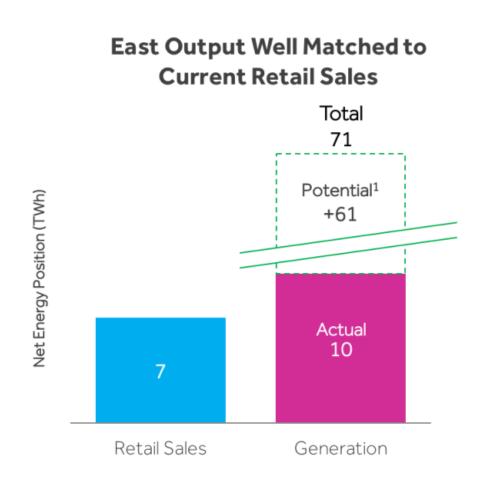
¹ Required prices for CCGT and CT based on 7HA technology; required prices for solar and wind impacted by declining ITC/PTC benefits in later years; battery based on 4 hour on-peak/off-peak charge cycle; ² Curve date = 3/14/2018



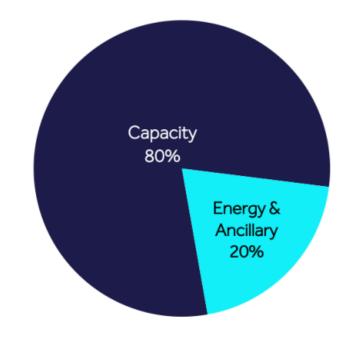
BENEFITS OF AN INTEGRATED PLATFORM



PORTFOLIO ASSESSMENT - EAST



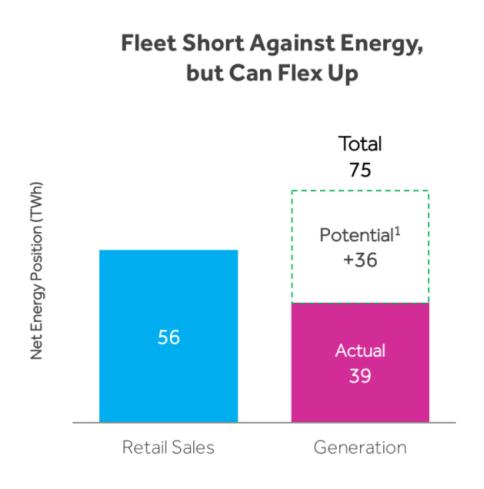
East Gross Margin (2018-2022) Mainly Capacity



EXCESS GENERATION RELATIVE TO OUR RETAIL PORTFOLIO



PORTFOLIO ASSESSMENT - ERCOT







WELL-MATCHED AGAINST OUR RETAIL PORTFOLIO

¹ Potential generation based on 85% capacity factor; ² Supply stack based on \$3/MMBtu natural gas price



PORTFOLIO ASSESSMENT – ERCOT: DEEPER DIVE

NRG Generation Capacity vs Retail Load



Matching Retail

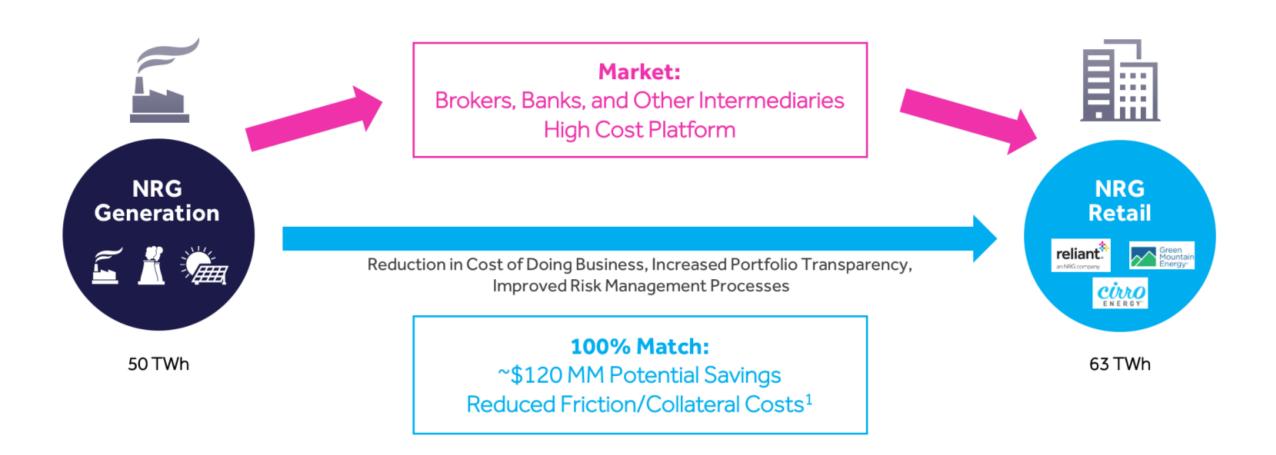
As Retail grows, the ERCOT portfolio may require additional capacity that is complementary to the retail load shape. Our options to match include:

- 1 Purchase low cost fixed shape or block energy
- 2 Purchase high heat rate call options
- Develop distributed behind the meter generation for C&I/Fortune 500 Companies
- 4 Toll existing units
- 5 Evaluate generation development

AS RETAIL GROWS, GENERATION WILL PIVOT TO MATCH



INTEGRATED MODEL HIGHLY BENEFICIAL...

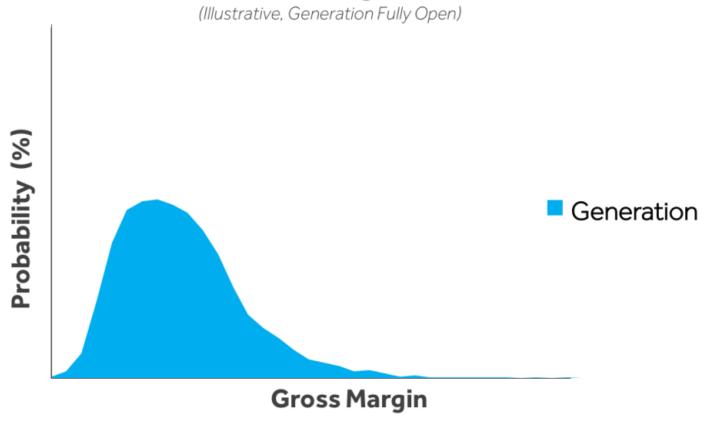


... REDUCING TRANSACTION AND COLLATERAL COSTS



COMBINING GENERATION AND RETAIL REDUCES RISK...



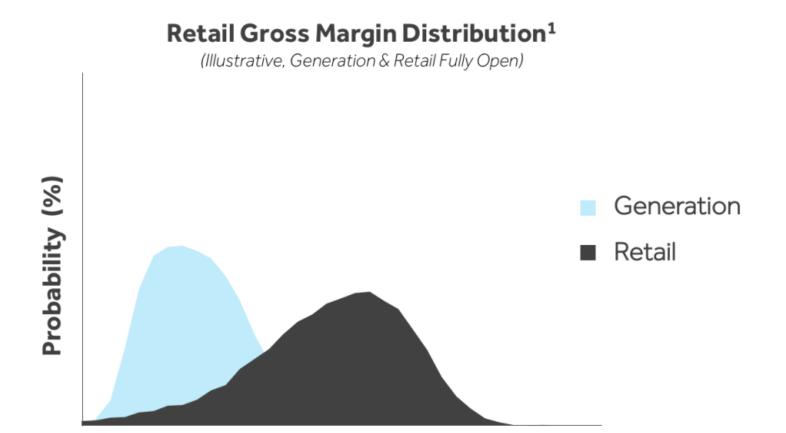


...AT LOW END OF CYCLE, ASYMMETRIC UPSIDE

¹ Based on 5,000 simulations of correlated power and fuel prices, compiled across 22 weather-driven load scenarios



COMBINING GENERATION AND RETAIL REDUCES RISK...



Gross Margin

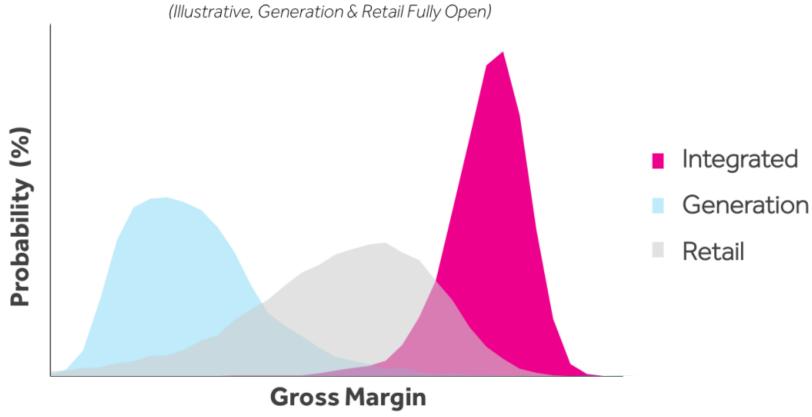
... BROAD RANGE OF GROSS MARGIN OUTCOMES

¹ Based on 5,000 simulations of correlated power and fuel prices, compiled across 22 weather-driven load scenarios



COMBINING GENERATION AND RETAIL REDUCES RISK...



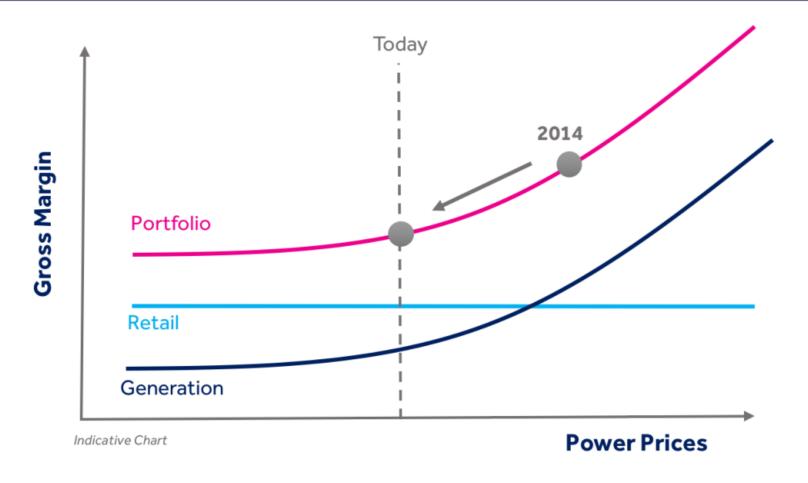


...STANDARD DEVIATION OF THE COMBINED PORTFOLIO
IS 25% OF STANDALONE BUSINESSES

¹ Based on 5,000 simulations of correlated power and fuel prices, compiled across 22 weather-driven load scenarios



GENERATION AND RETAIL ARE COMPLEMENTARY...



...AND PROVIDE INCREASED STABILITY WITH ASYMMETRIC UPSIDE



GENERATION VALUE PROPOSITION

Streamlined and strengthened generation fleet

Well-positioned in strong markets

 Integrated platform produces benefits such as risk reduction and earnings stability

