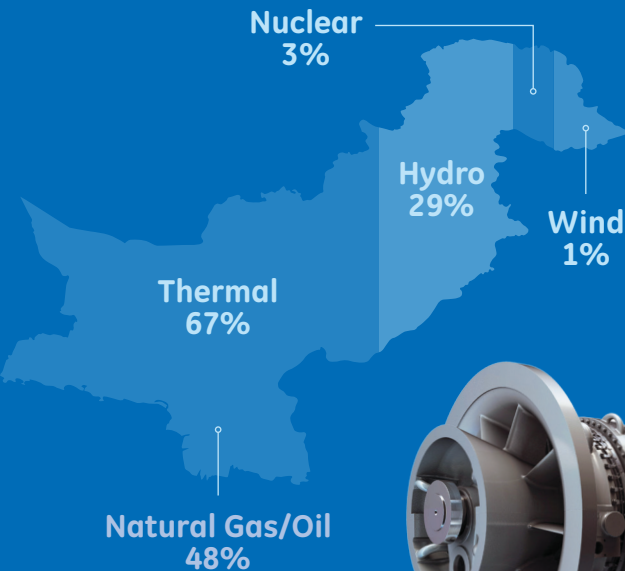




# Pakistan's Powerful Combination: GE 9HA Gas Turbines + Alstom Engineered Technology

First High Efficiency HA orders in the Middle East Region

## SITUATION



## CHALLENGES

Demand/Supply

High Costs

Daily Black Outs

Importing LNG



9HA.01 GT

## HOW GE IS HELPING

- Large block power = higher output
- GE + Alstom = plant expertise, steam turbines and heat recovery steam generators (HRSG)
- Higher efficiency = fuel savings
- Lowest cost conversion of gas to electricity
- Meet government plan of 5.4 GW by 2020

- 6 9HA.01 gas turbines
- 3 GE steam turbines
- 2 GE HRSGs

- Over \$600M** in 9HA, steam turbine and HRSG orders in Pakistan
- 33** HA orders and **82** technical selections globally in 12 countries
- GE's 9HA.01 can deliver **429 MW** per unit at **greater than 62%** combined cycle efficiency

GE WILL BE PROVIDING MORE THAN 3.5 GW OF ELECTRICITY, THE EQUIVALENT POWER NEEDED TO SUPPLY NEARLY 20 MILLION PAKISTANI HOMES, WHICH CAN FULFILL MORE THAN 65 PERCENT OF THE POWER SHORTAGE (~5 GW) IN PAKISTAN.

~20M Homes

### BHIKKI POWER PLANT

2 9HA.01 gas turbines

1 GE steam turbine

1.1 GW

### HAVELI BAHADUR SHAH POWER PLANT

2 9HA.01 gas turbines

1 GE steam turbine

1.2 GW

2 GE HRSGs

### BALLOKI POWER PLANT

2 9HA.01 gas turbines

1 GE steam turbine

1.2 GW