

# Cleaner, Greener Grid

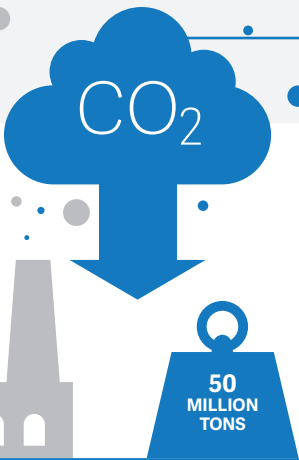
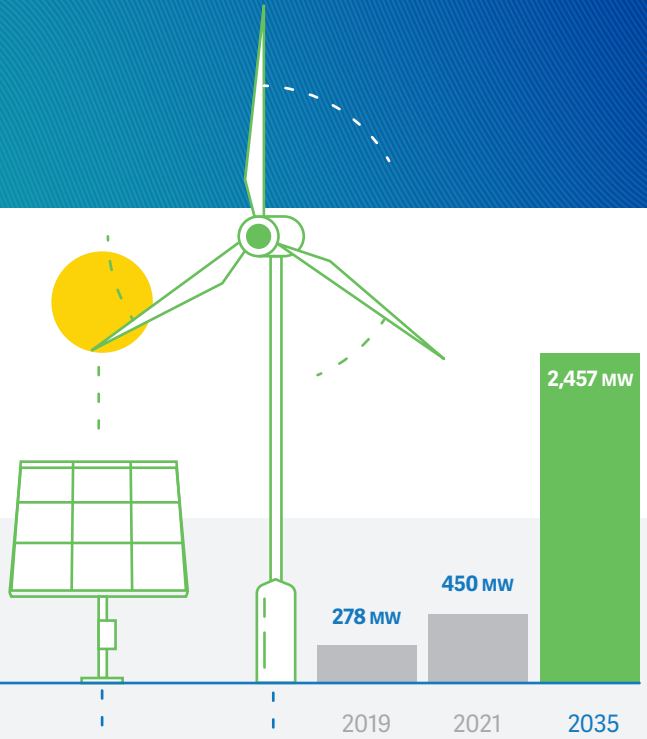


TEP's 2020 Integrated Resource Plan lays out the path we'll follow over the next 15 years to serve our customers' energy needs.

## 70%

OF OUR POWER WILL COME FROM WIND AND SOLAR RESOURCES BY 2035

457 MEGAWATTS (MW) OF NEW WIND AND SOLAR WILL BE COMING ONLINE BY 2021



## 80% LOWER CARBON EMISSIONS BY 2035

Ramping down and retiring our coal-fired power plants will reduce greenhouse gas emissions.

50 MILLION TONS

Our carbon reduction goal, developed in partnership with the University of Arizona's Institute of the Environment, represents our fair share of worldwide efforts to limit warming to well below 2 degrees Celsius under the 2015 Paris Agreement.



### WATER SAVINGS

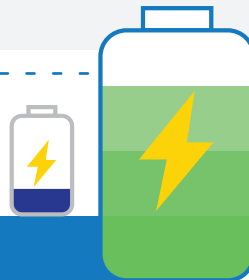
ELIMINATE THE USE OF SURFACE WATER FOR POWER GENERATION BY 2031

## 70% REDUCTION OF GROUNDWATER USE BY 2035

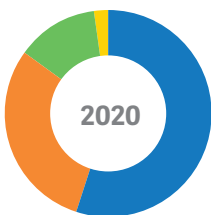
### SIGNIFICANT EXPANSION OF ENERGY STORAGE

2019 – 21 MW of storage

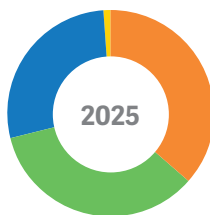
2035 – 1,421 MW of storage



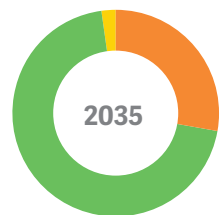
### RETAIL ENERGY MIX



- 50% – COAL
- 31% – NATURAL GAS
- 14% – RENEWABLES
- 5% – MARKET PURCHASE



- 27% – COAL
- 37% – NATURAL GAS
- 35% – RENEWABLES
- 1% – MARKET PURCHASE



- 26% – NATURAL GAS
- 70% – RENEWABLES
- 4% – MARKET PURCHASE

