IEEE Power and Energy Magazine, vol.20, no.6, pp.26-37, November, 2022.

Operating the power grid during a pandemic: COVID-19 experiences

H. Chen; M. Bryson; D. Sharafi; S. Rossi; S.R. Narasimhan; L.A. Nobrega Barroso

Abstract-

In early 2020, COVID-19 started to impact society at a global scale. The World Health Organization declared COVID-19 a pandemic on 11 March 2020, and the world faced the most significant health problem of the last 100 years. The pandemic and its lockdown measures caused significant disruptions to society and the economy. Electricity is essential to modern society and the power grid is considered the most critical infrastructure, with essentially all other infrastructure dependent on it. Maintaining grid reliability and resilience was paramount during the pandemic.

Index Terms- COVID-19 , Pandemics , Power systems reliability , Power grids , Critical infrastructure , Power generation , Resilience

Citation:
Chen, H.; Bryson, M.; Sharafi, D.; Rossi, S.; Narasimhan, S.R.; Barroso, L.A. "Operating the power grid during a pandemic: COVID-19 experiences", IEEE Power and Energy Magazine, vol.20, no.6, pp.26-37, November, 2022.