

Solar Energy in the Post-Covid19 World: Moving to a New Normal

Charlie Gay 10 June 2020

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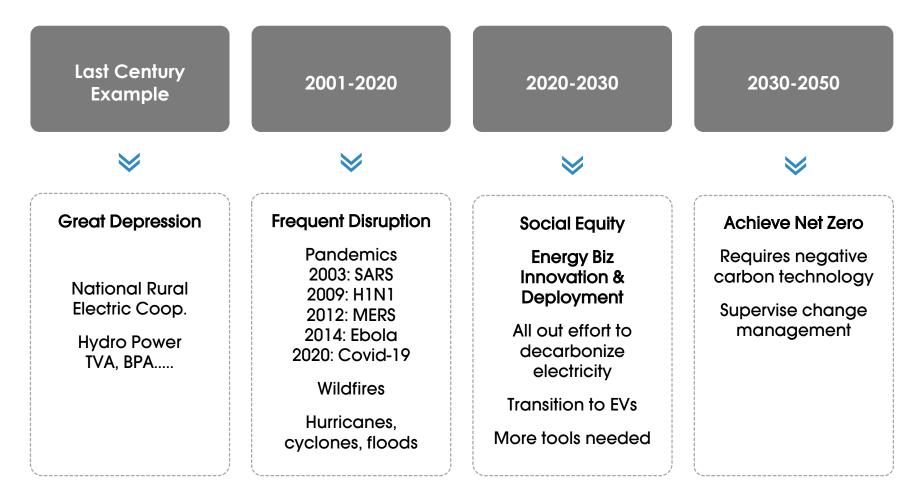
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April 14, 2020 Los Angeles, CA Getty Images 1209898398

Time Perspective



Covid-19 highlights the role of self-reliance

Institutions accelerating change

- Cities
- States
- Corporations
- Utilities
- Oil and Gas

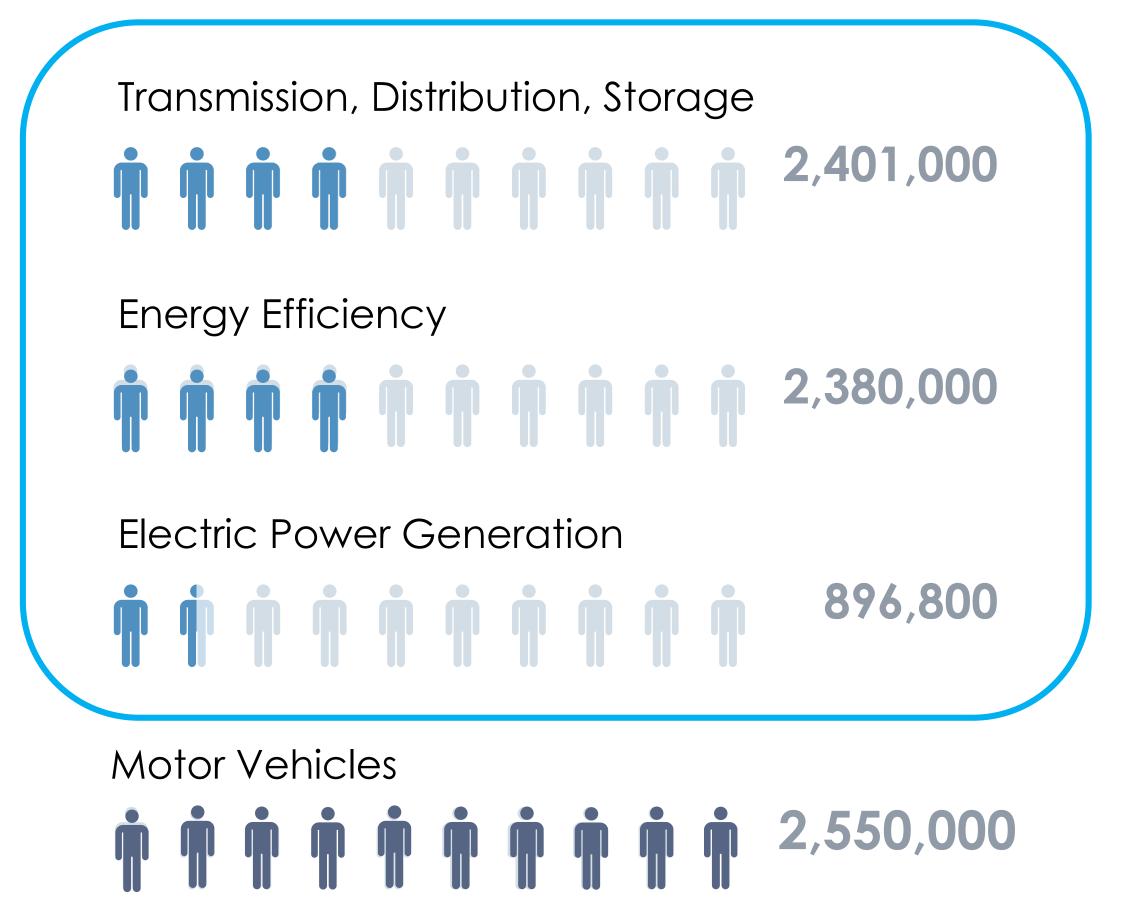
When the game hits reset, one doesn't go back to playing the exact same way after reboot

-Elon Musk

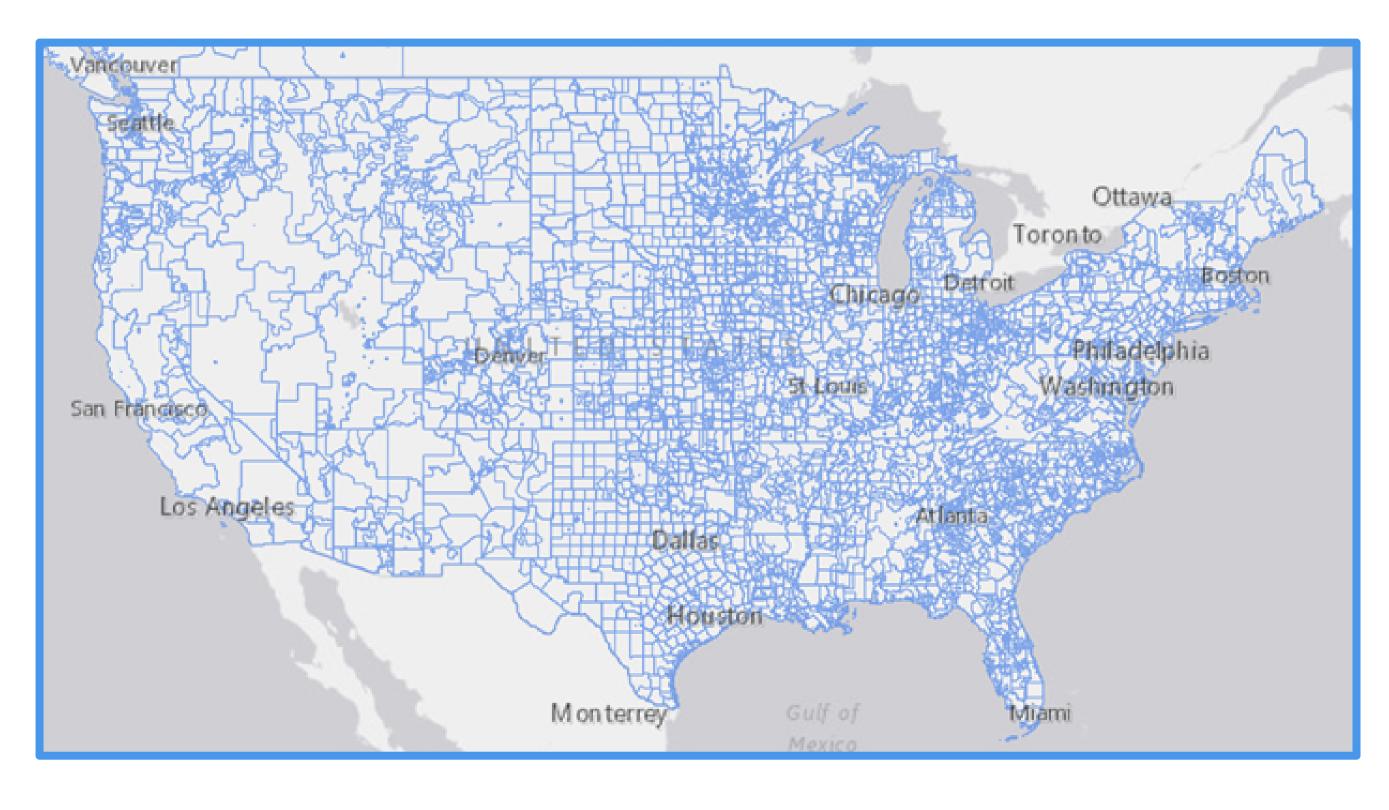
U.S. Energy Landscape

Energy Employment Q4 2019

118,000 New Jobs in 2019



Electric Retail Service Territories



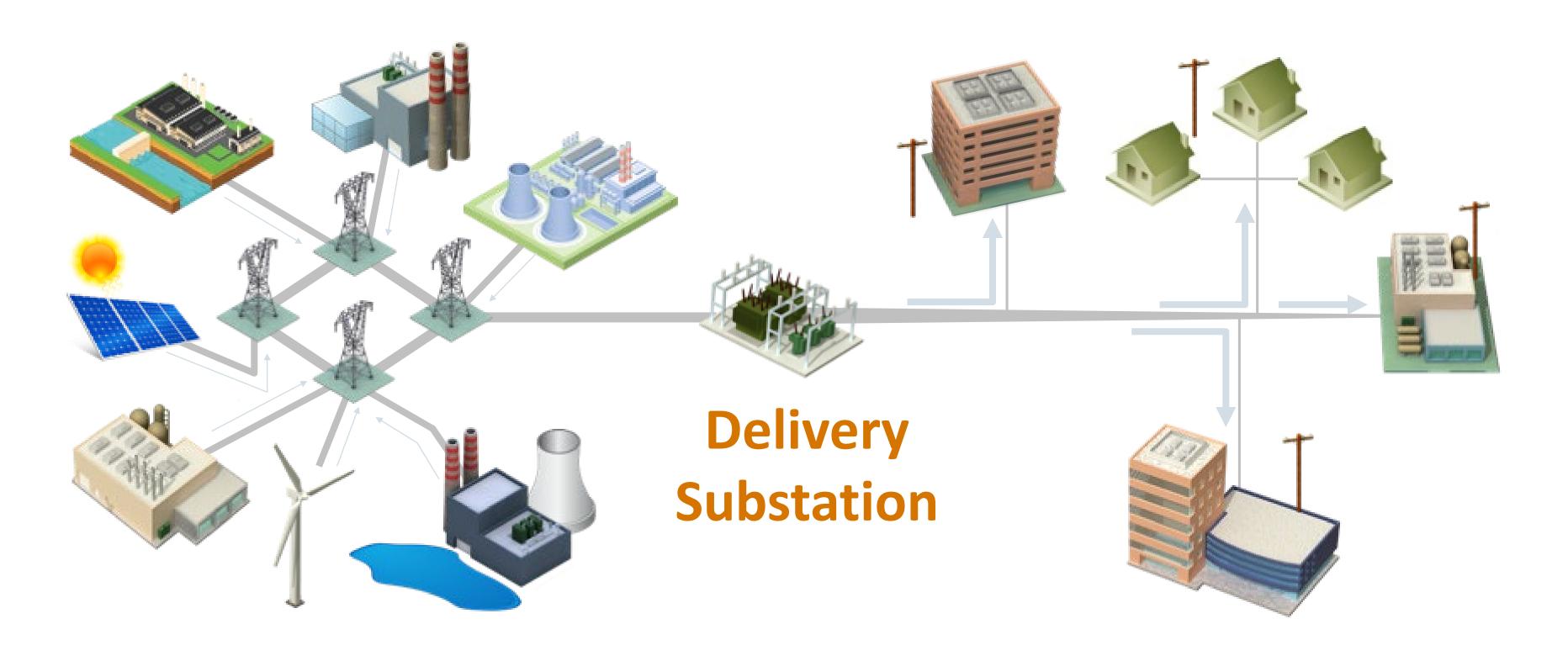
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Six Drivers for Energy Jobs

These six themes need broad coalitions to maximize impact

	Focus	Example Opportunities		
Resilience	Digitalization of energy	 Modernize public buildings Start now to qualify for tax incentives 		
Infrastructure	Microgrids	 EV charging (esp. fast charge) Community solar (e.g. Detroit) Tribal lands 		
Innovation	Rapid prototyping	Leverage National LabsHighlight Incubators		
New Industries	Pilot new markets across existing sectors	 DC microgrids in front of meter Adapt European prosumer models Hydrogen, CCS, modular nuclear 		
Incentives	Government policy	Opportunity Zonese.g. DOE Loan Program		
Workforce Development	Community collegesMentorship initiatives	Union engagement		

The U.S. Grid Situation



Generation

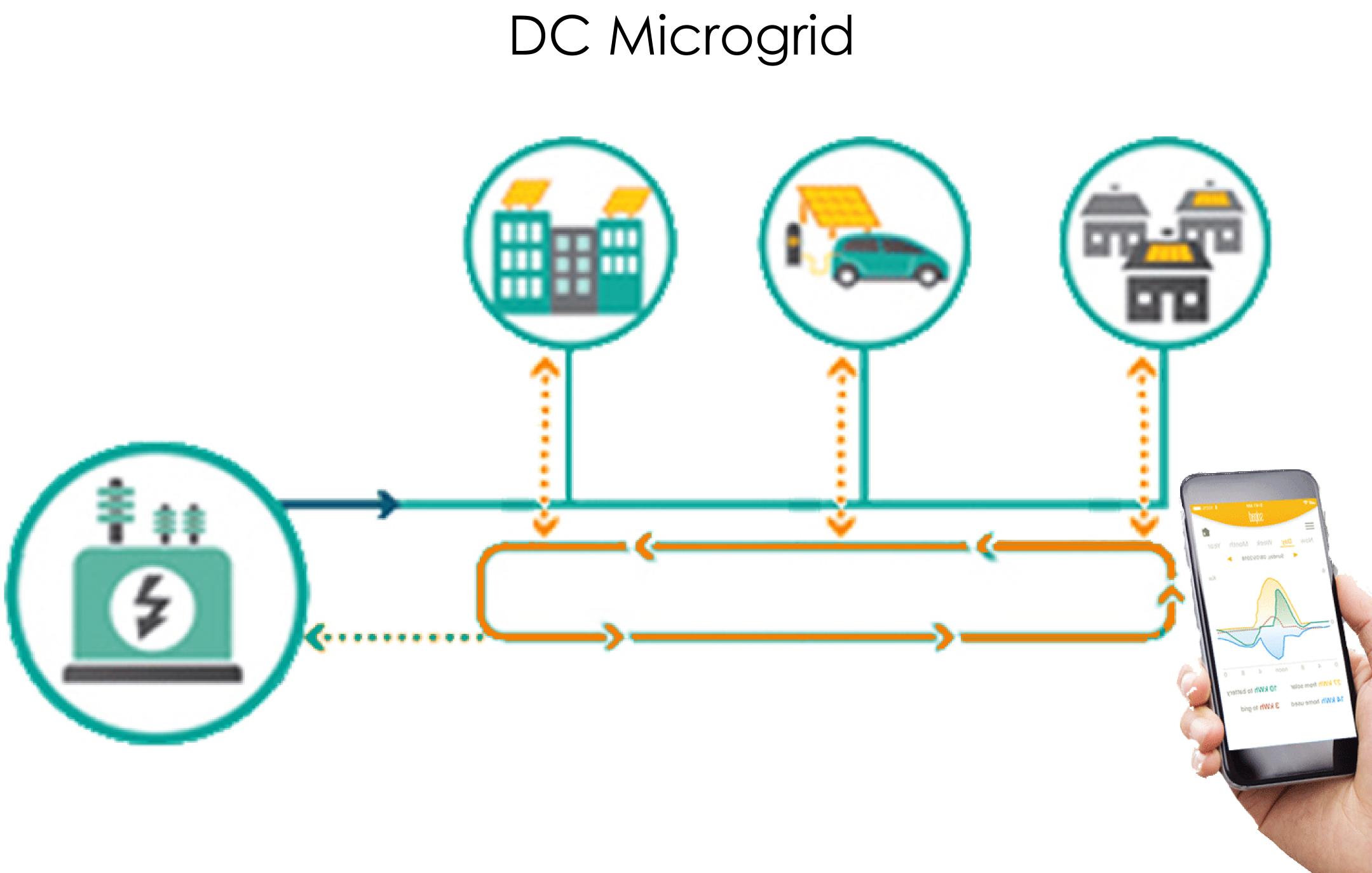
Consumers

The Prosumer Vision



Generation

Prosumers





Community Solar



Gannawarra Energy Storage System

https://reneweconomy.com.au/the-remarkable-growth-of-wind-and-solar-projects-paired-with-big-batteries-95562/