

The Integration of Solar Power as a Source of Renewable Energy in the United States



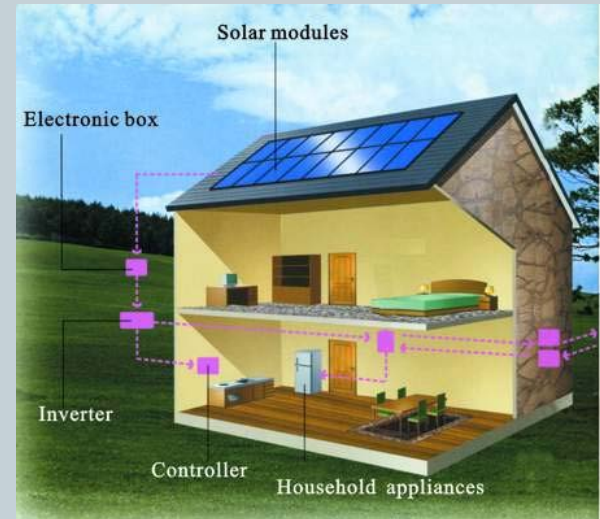
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California Movement



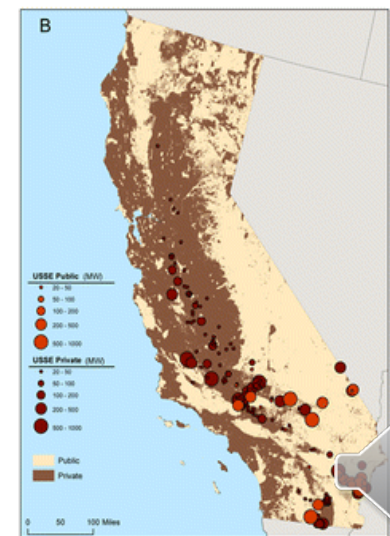
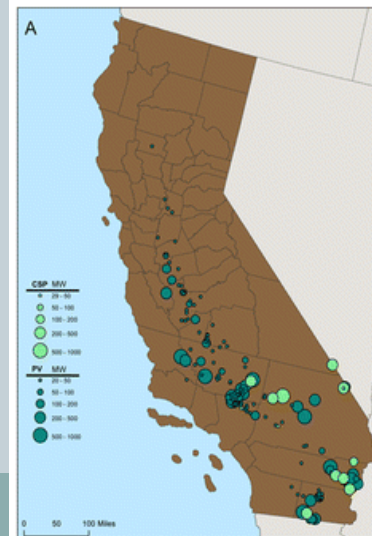
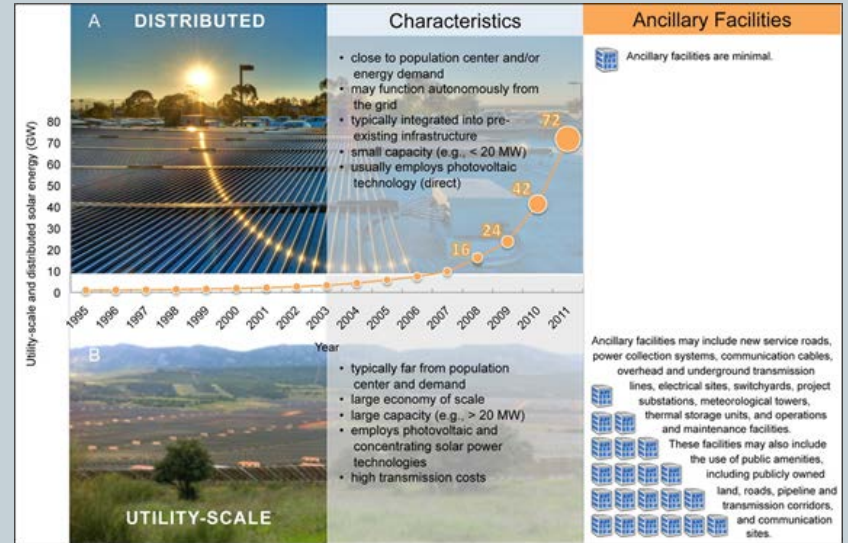
- California is the largest consumer of solar energy in the U.S.
- By 2020, 33% of California's energy use will come from solar power
- City of San Diego plans to implement more use of solar power to energize the city.



Case Study



- In 2014, a study was performed to determine the potential of urban land use for solar energy throughout California.
- The study found that there are about 6.7 million acres of urban land that was available for photovoltaic solar energy.



Conclusion



- **Solar power is becoming more popular as federal and local government incentives increase**
- **Rural areas are ideal for large scale solar panel farms, while Urban areas require smaller scale production**
- **Benefits: Environmental impacts and Cost incentives**
- **Disadvantages: Storage and Efficiency**
- **Advancements in technology should encourage the increase the use of solar panels on a large and residential scale**