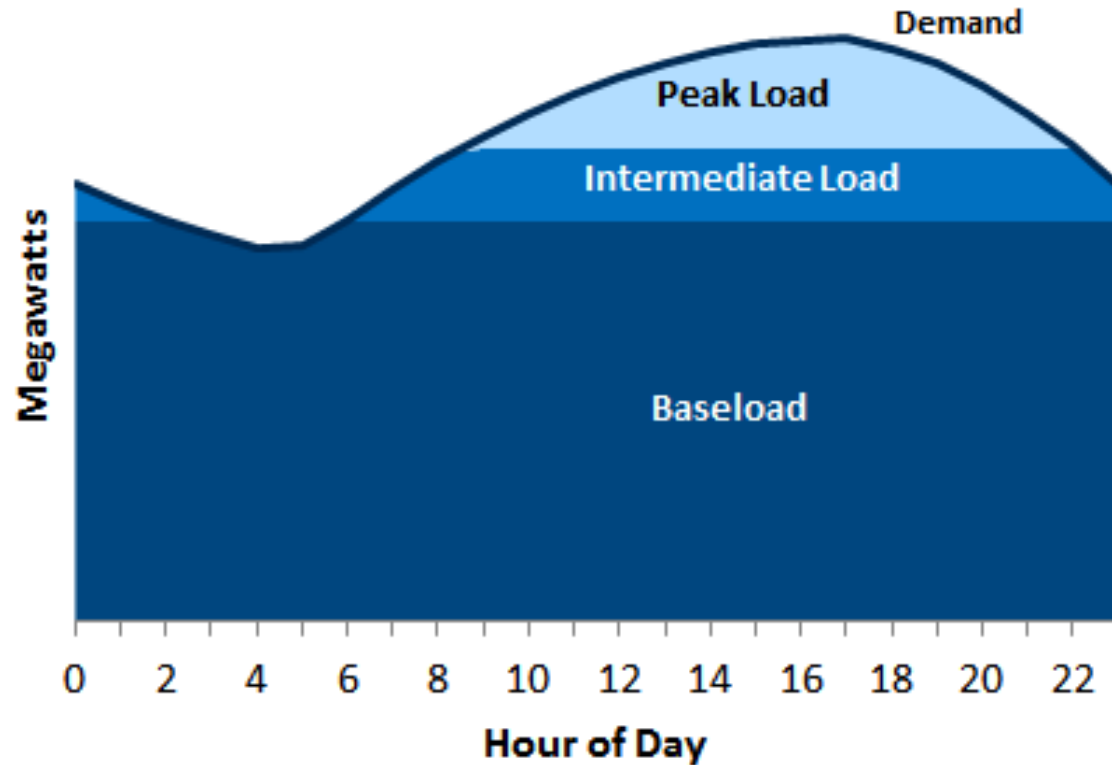


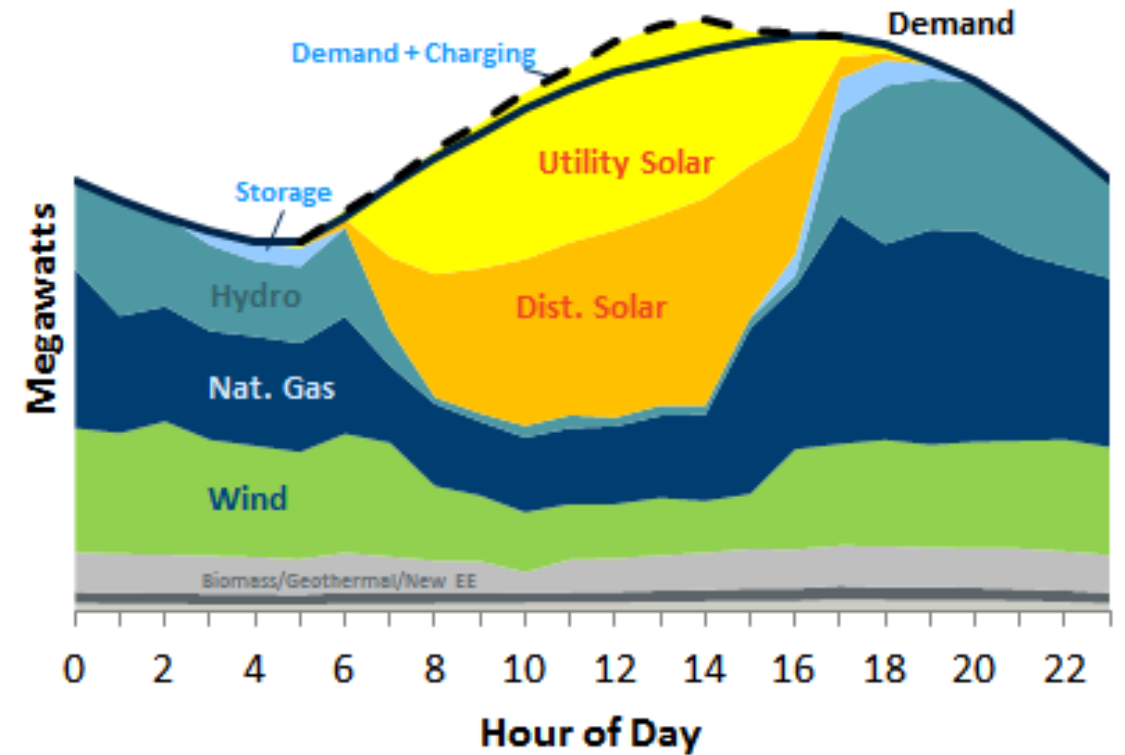


**ANDREW BARBEAU**  
**PRESIDENT**  
**THE ACCELERATE GROUP**

# WHAT IS BASELOAD? : Economically inflexible generation



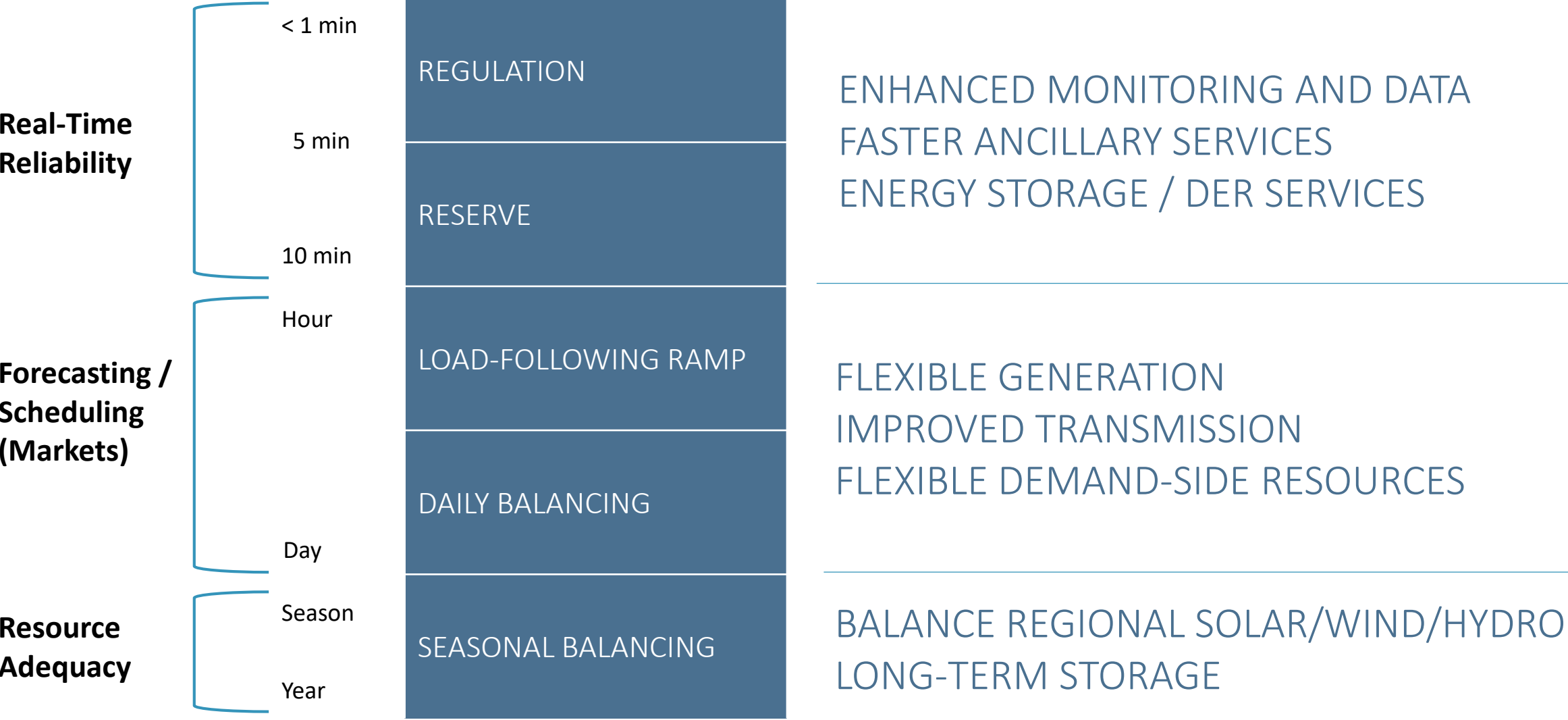
TRADITIONAL APPROACH TO  
PLANNING



HIGH RENEWABLE  
PENETRATION SCENARIO

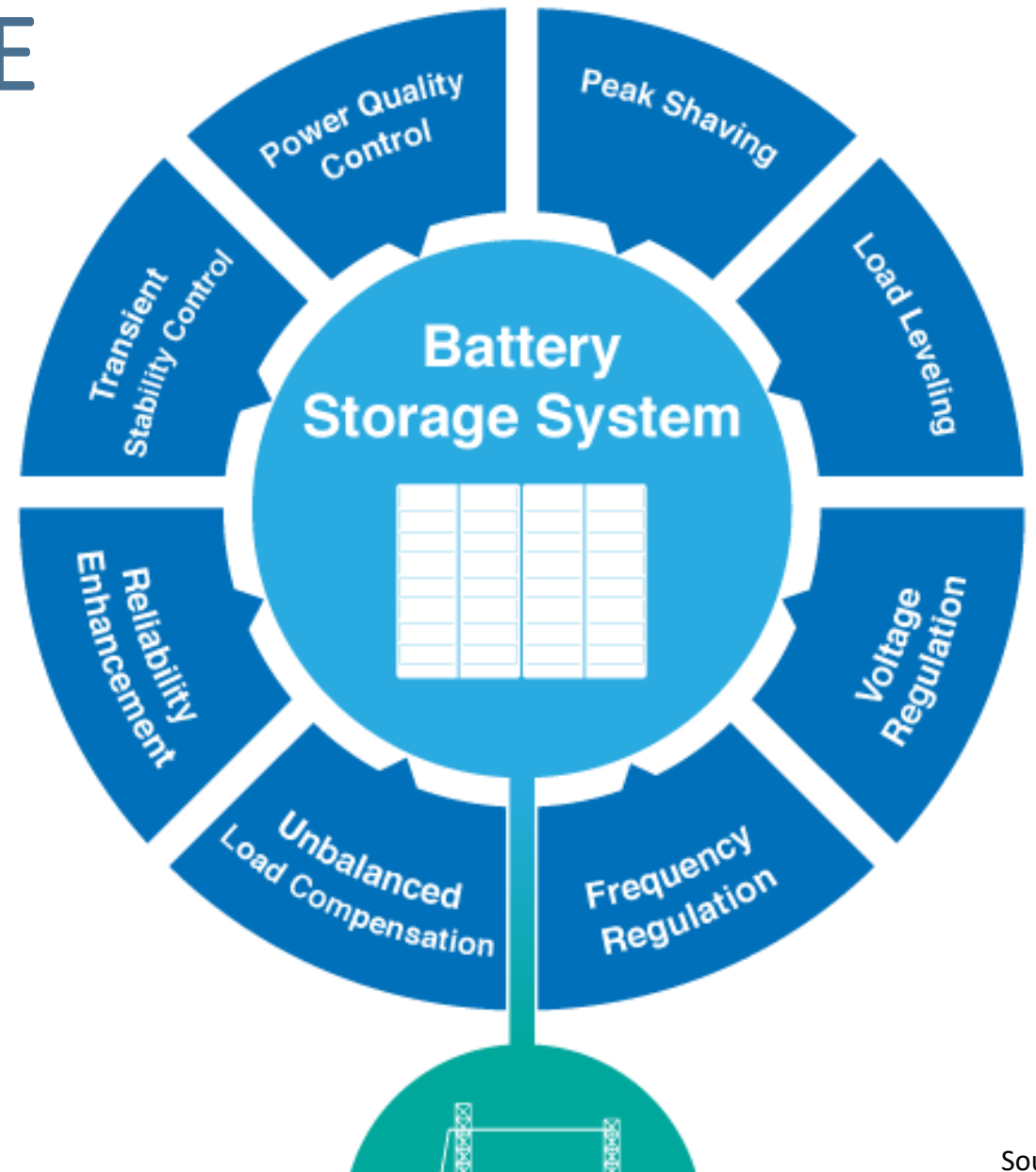
Source: Brattle Group / NRDC

# MANAGING A HIGH-RENEWABLE GRID



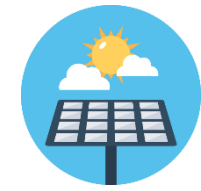
# BATTERY/ENERGY STORAGE

- Many people think about energy storage as SHIFTING renewables from hour to hour.
- However, energy storage can serve multiple reliability uses in near-real-time.



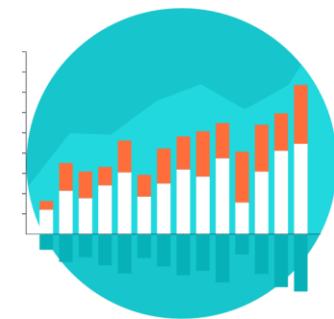
Source: UCSD

# VALUE OF DER REBATE



FUTURE ENERGY JOBS ACT

“The value of such rebates shall reflect the value of the distributed generation to the distribution system at the location at which it is interconnected, taking into account the **geographic, time-based, and performance-based benefits**, as well as technological capabilities and present and future grid needs.”



# COMPARISON OF COMPENSATION

- ENERGY
- LOCATION
- TIME
- PERFORMANCE
- ENVIRONMENTAL
- VAR
- VOLTAGE
- OTHER SERVICES

## NY

LMP
Marginal Cost of Service
10 Peak Hours
Storage?
RGGI (CO2)

REV NEM VALUE STACK

## ILLINOIS

Supply Rate	UPFRONT CASH
<i>Locational Value</i>	
<i>Time Value</i>	
<i>Performance Value</i>	
Adjustable Block Incentive (REC)	
Ongoing Compensation	
Ongoing Compensation	
Ongoing Compensation	

VALUE OF DER REBATE