The kilowatt-hour is dead; don’t send flowers

WRP Energy Committee webinar
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Administrator and CEO
Who we are

- Serve 40 million Americans
- 15-state footprint
- 1.4 million square miles
- 49 offices
- ~700 customers
- Top-10 largest transmission utility in country
What we do

- Market 10,515 MW of power from 57 dams
- Buy and sell power to provide firm electric service

- 17,000+ miles of transmission lines
- Operate 3 balancing areas
- 15-state operating region

- Independent $3.25 B borrowing authority
- Projects must facilitate renewables
- Projects must have a nexus in WAPA’s footprint
Key issues

• Cyber and physical
• Asset management
• Lifecycle management
• Capital planning
• Markets
Challenges in the energy frontier

- Aging infrastructure
- Increased regulation
- Intermittent resources
- Varying hydropower production
- More customer-side resources
- Changing markets
- Security
Preparing for the future
USVI solar farm post hurricane
Societal changes
Fundamental change

The challenge for the utility of today is not only what is real but what is perceived as real.
Radical thoughts

The kilowatt-hour is dead

Time-of-purchase vs. time-of-use

All-you-can-eat energy
Markets update

- Continuing conversations on the future of markets
- Organizational Approach to Markets
- Reliability coordinator transition
Shared Integrated Grid
Contact/follow me

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