Eurelectric: Power Talk #3

New energy demand drivers: The role of data centers in Europe

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President and CEO
EPRI

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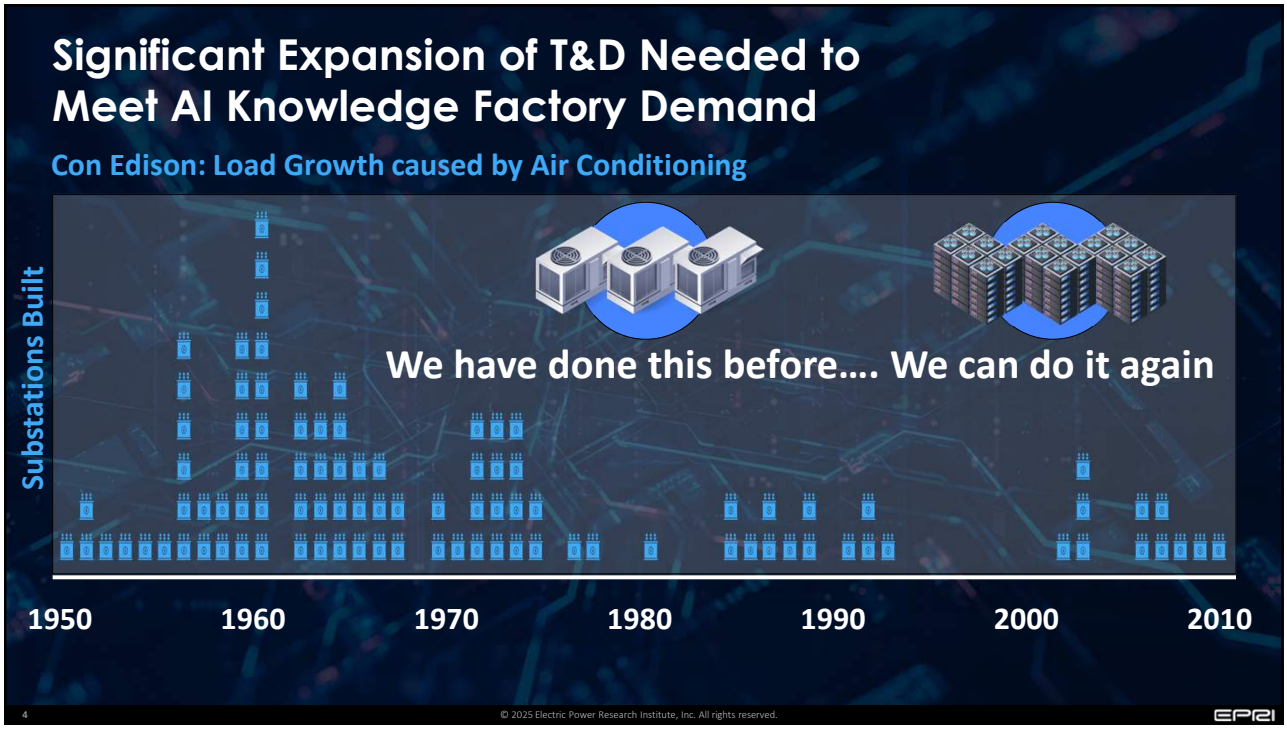
KNOWLEDGE IS POWER AND NOW WE HAVE THE OPPORTUNITY FOR POWER TO CREATE KNOWLEDGE

2

What Can We Do to Meet This Demand Growth?
EXTEND THE LIFE OF TODAY'S ASSETS.
INCREASE THE UTILIZATION OF TODAY'S ASSETS.
MAKE ROOM TO BUILD NEW ASSETS.
H2

3


Significant Expansion of T&D Needed to Meet AI Knowledge Factory Demand
Con Edison: Load Growth caused by Air Conditioning
Substations Built
We have done this before…. We can do it again
1950
1960
1970
1980
1990
2000
2010
4
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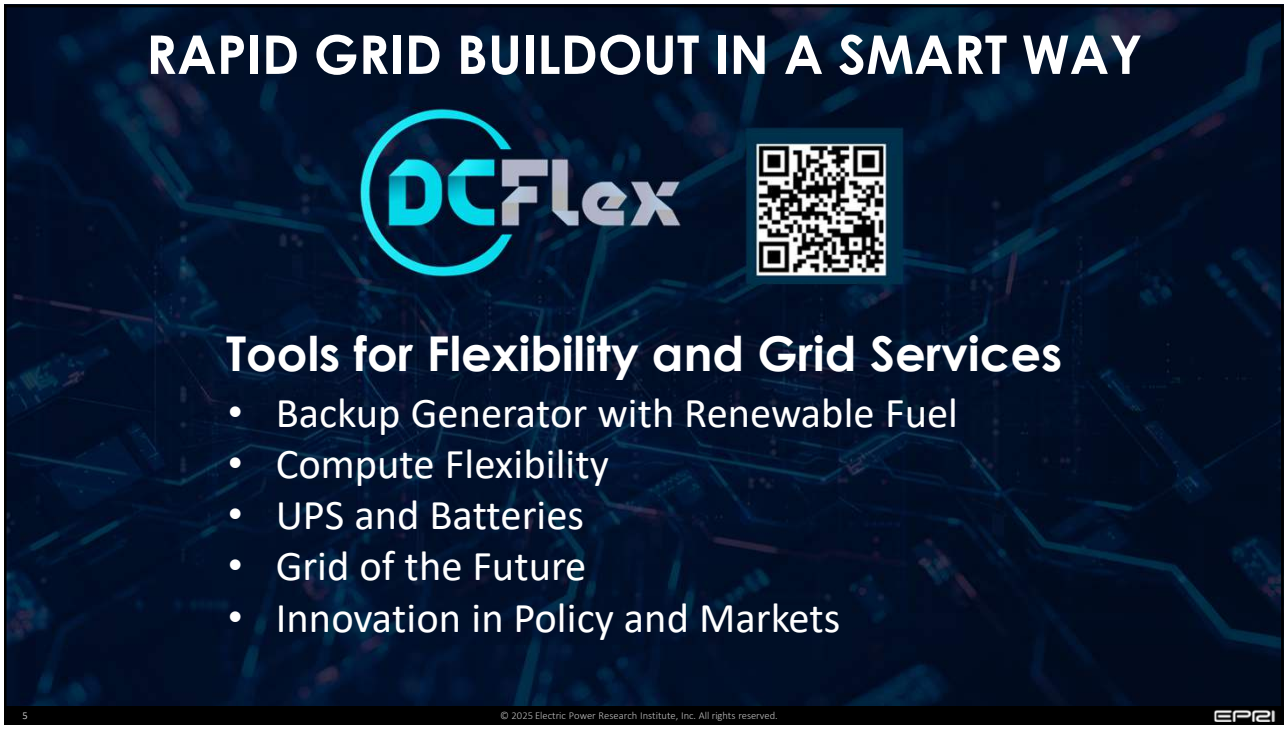
RAPID GRID BUILDOUT IN A SMART WAY
DCFlex
Tools for Flexibility and Grid Services
• Backup Generator with Renewable Fuel
• Compute Flexibility
• UPS and Batteries
• Grid of the Future
• Innovation in Policy and Markets
5
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RAPID GRID BUILDOUT IN A SMART WAY
DCFlex
Google
AEH
QTS
COMPASS datacenters
Schneider Electric
ENOWA NEOM
Meta
Rte
Microsoft
NVIDIA
*some of many participants
Broaden the European Coalition
to join the High Tech Companies ready for DCFlex
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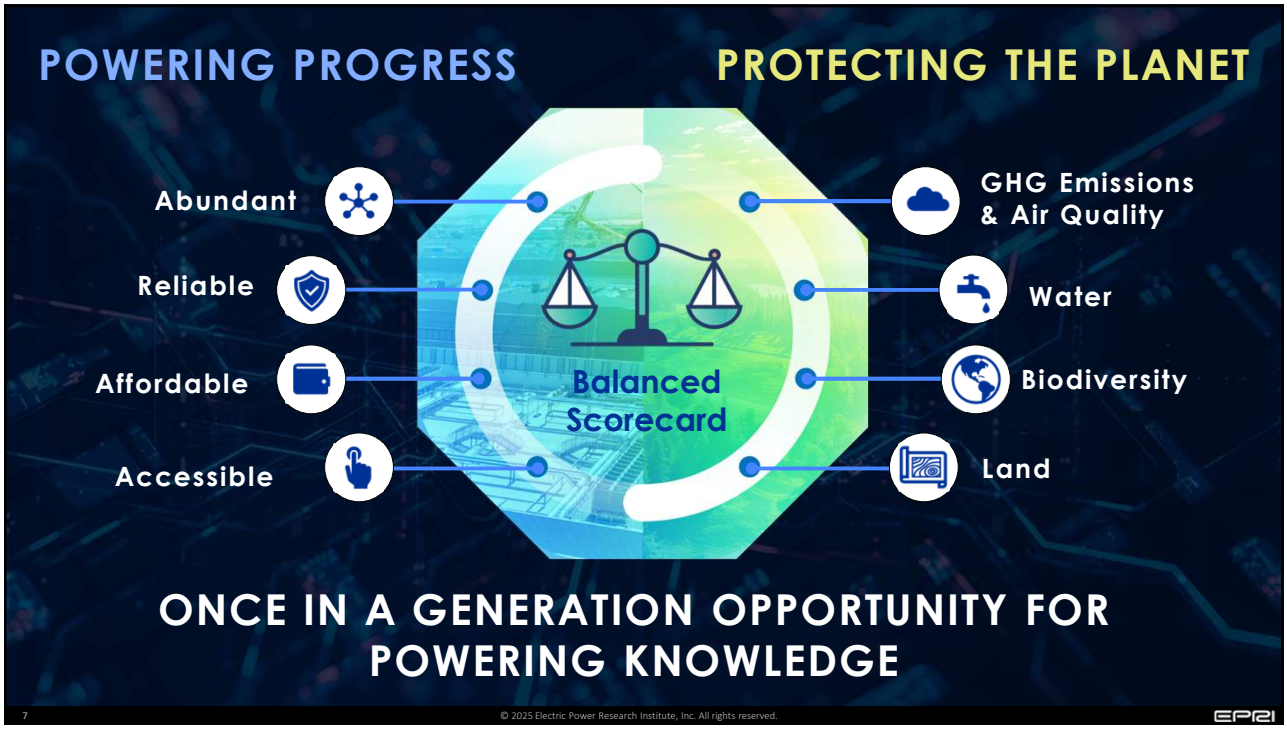
POWERING PROGRESS
PROTECTING THE PLANET
Abundant
Reliable
Affordable
Accessible
Balanced Scorecard
GHG Emissions & Air Quality
Water
Biodiversity
Land
ONCE IN A GENERATION OPPORTUNITY FOR POWERING KNOWLEDGE
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