

i-PCGRID 2017

Resiliency, Relevance and Reliability of the Modern Transmission Grid



Together, Building
a Better California

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March 30, 2017

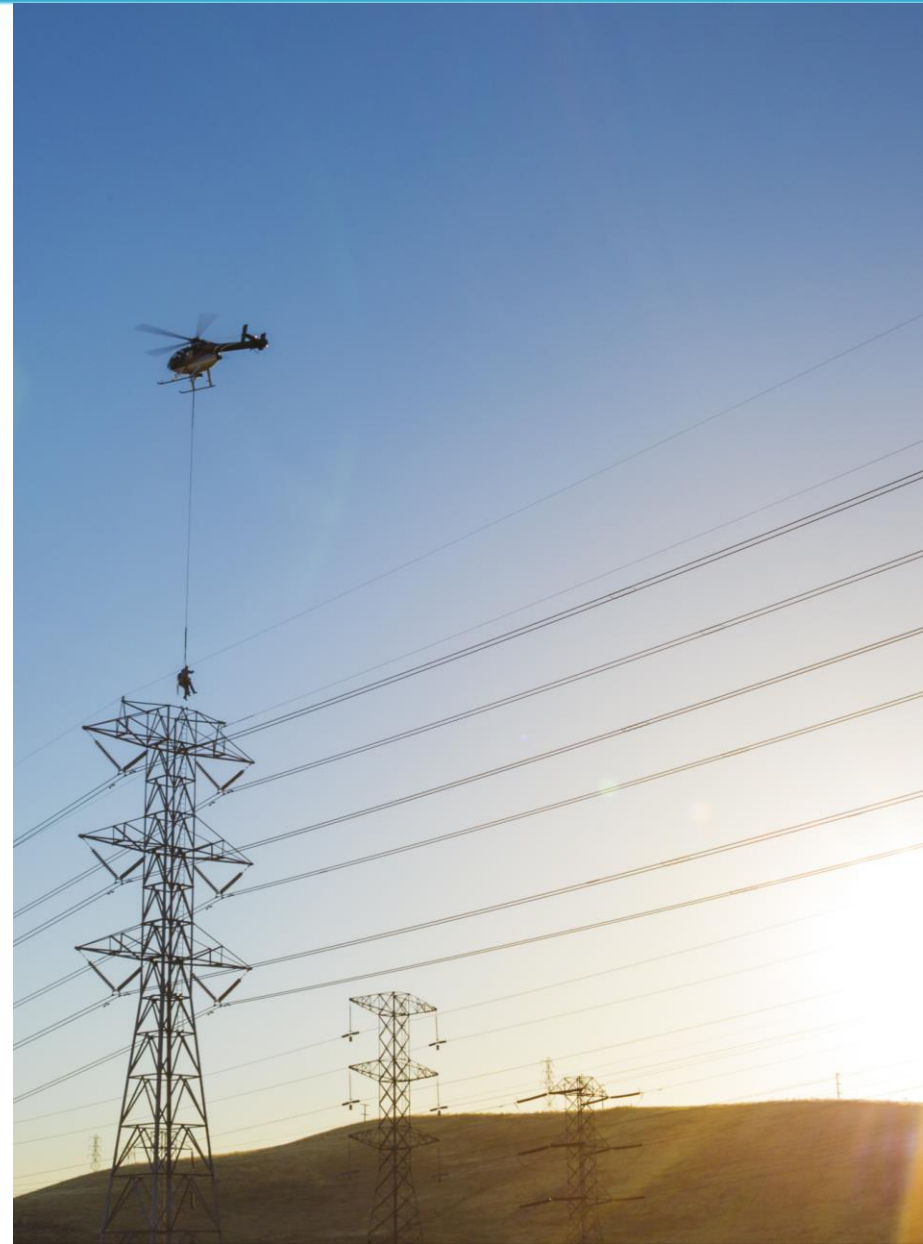
Resiliency

Grid Security

- Flexible and dynamic grid
- Critical infrastructure protection
- Cyber & physical security
- Natural disasters & climate change
- Electromagnetic pulse & geomagnetic disturbances

Strengthen the Grid

- Redundancy and restoration
- Shaping standards that will support future Smart Grid implementation
- Leverage technology to anticipate and respond to a more dynamic environment



Relevance

Enabling Renewable Resources

- Solar Interconnections:
 - 6,266 MW In Service
 - 8,988 MW In Process
- Storage:
 - 580 MW Mandated
 - 73 MW In Process
- Ensuring technologies and systems to integrate resources that maximize value for customers



Supporting Competitive Energy Markets

- Expanding market products with an evolving energy landscape

Supporting Emerging Distribution Markets

- Exploring new technologies and applications that enable or enhance distribution capabilities.



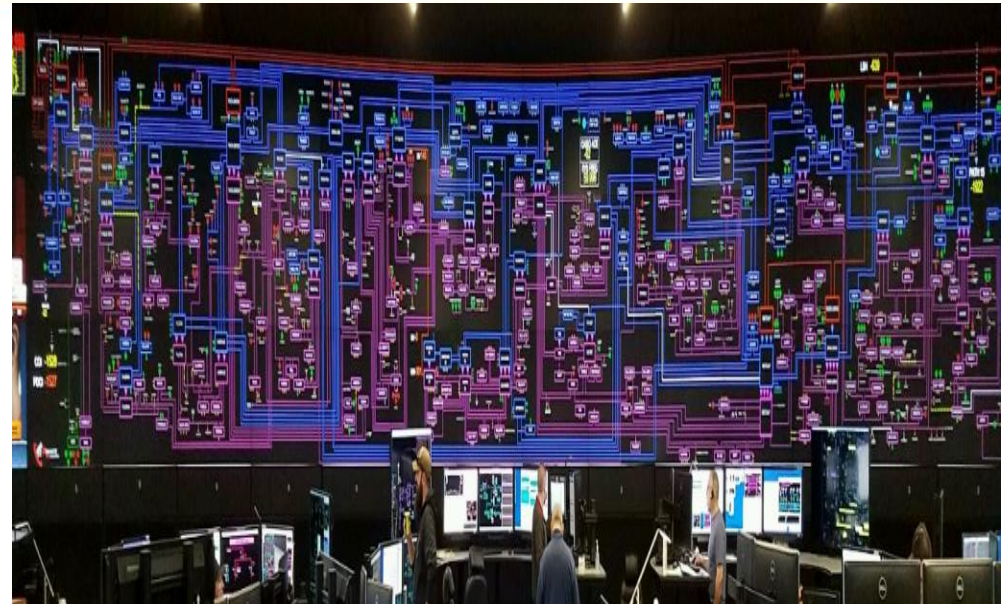
Reliability

Increased Visibility and Control of the Grid

- State-of-the-art Grid Control Center
- Asset Performance Center

New Technologies

- Unlocking the power of data analytics
- Smart Grid
- Provide customers with valuable services and products to further unlock benefits of the grid
- Operationalize Synchrophasors



Comments or Questions?



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