



Briefing on Lincoln operations center

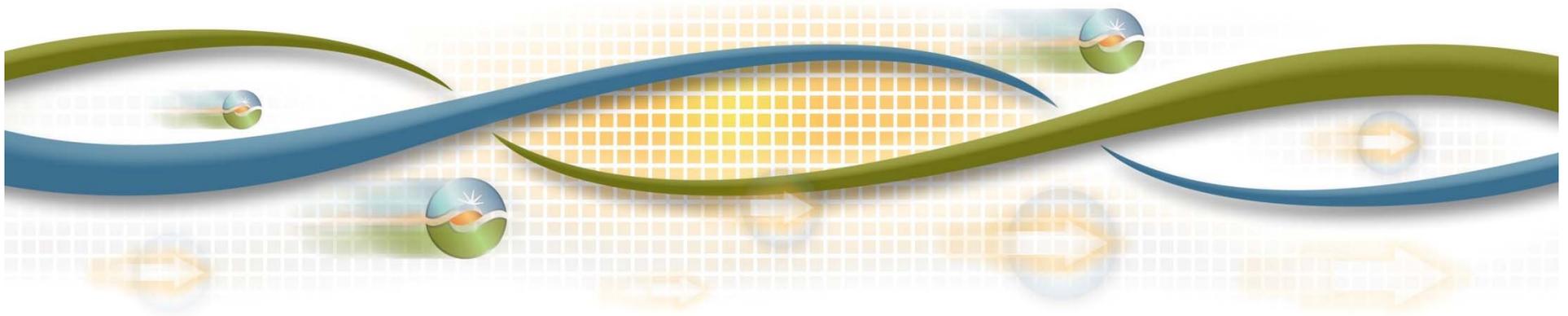
Matt Turner

Director, IT Enterprise Support and Campus Operations

Board of Governors Meeting

General Session

May 14, 2015





The Alhambra backup facility does not adequately meet future requirements.

- NERC's Critical Infrastructure Protection (CIP) version 5 requires the ISO to assess and mitigate risks
- Full staff rotation required in Alhambra due to distance from main Folsom campus
- Emergency support from Folsom for disruptive incidents requires long travel time and added cost



There are benefits of using a closer, more modern facility.

- Increases employee engagement and provides opportunities to implement a shared resource management structure
- Enables the ISO to better meet NERC CIP physical security requirements
- Advances technology opportunities, such as parallel operations, reducing the risk of operational or data loss during a disruptive incident
- Provides opportunity to reduce operating costs

Comparison – ISO / RTO distance between main and backup control centers

- Other ISO / RTO backup centers range between 15 and 50 miles
- New Lincoln location will decrease California ISO distance from 412 miles to 25 miles

The ISO plans to build a new back-up facility in Northern California

- New building on 3.3 acres in Lincoln, CA
- Building design is 35,800 sq. feet
 - Includes operations floor, data center, & office space
- Good location
 - Business continuity accessibility
 - ~25 miles or 40 minutes from Folsom
 - Opens ISO to technology advantages (<60 miles = synchronous capability)
 - Employee engagement, training, and efficiency advantages
- New building meets stringent physical security requirements

The preliminary design is simple.





Implementation timeline

