

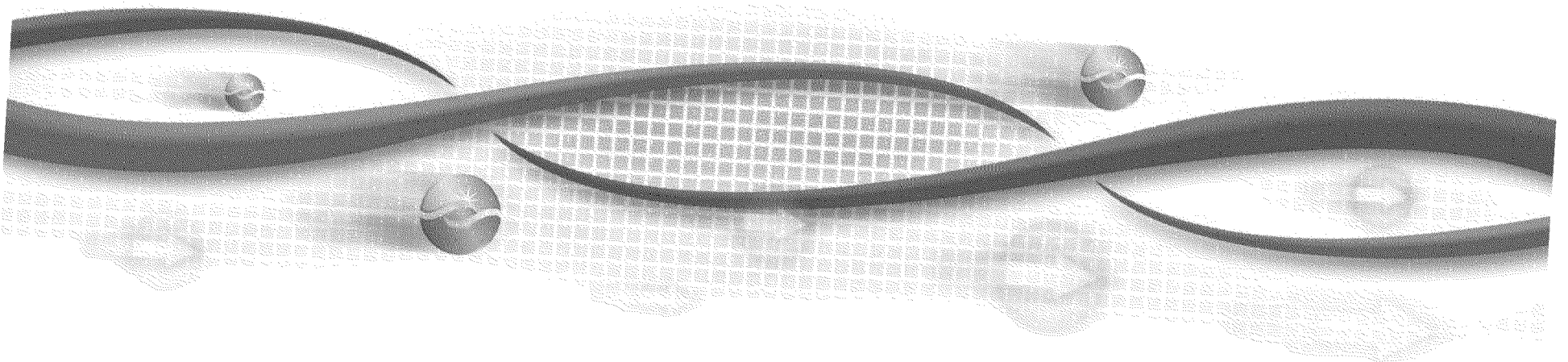


California ISO
Shaping a Renewed Future

Introduction & Overview Transmission Plan Development

Draft 2012/2013 ISO Transmission Plan Stakeholder Meeting

Neil Millar
Executive Director - Infrastructure Development
February 11, 2013





California ISO
Shaping a Renewed Future

Nuclear Generation Backup Plan Study Results

Draft 2012/2013 ISO Transmission Plan Stakeholder Meeting

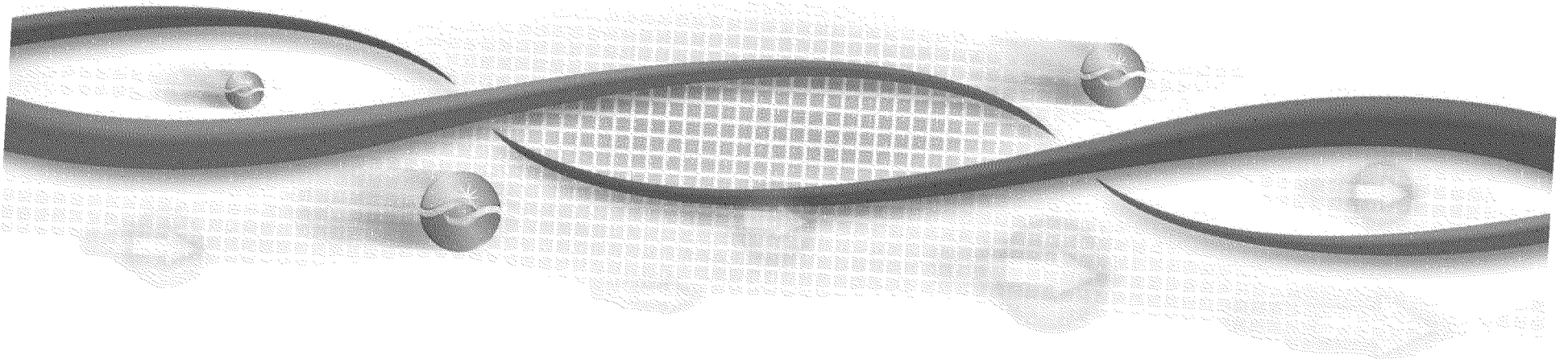
Irina Green

Regional Transmission Engineer Lead

David Le

Senior Advisor Regional Transmission Engineer

February 11, 2013



Study Conclusions for the Mid and Long Term Studies – San Onofre Nuclear Generating Station

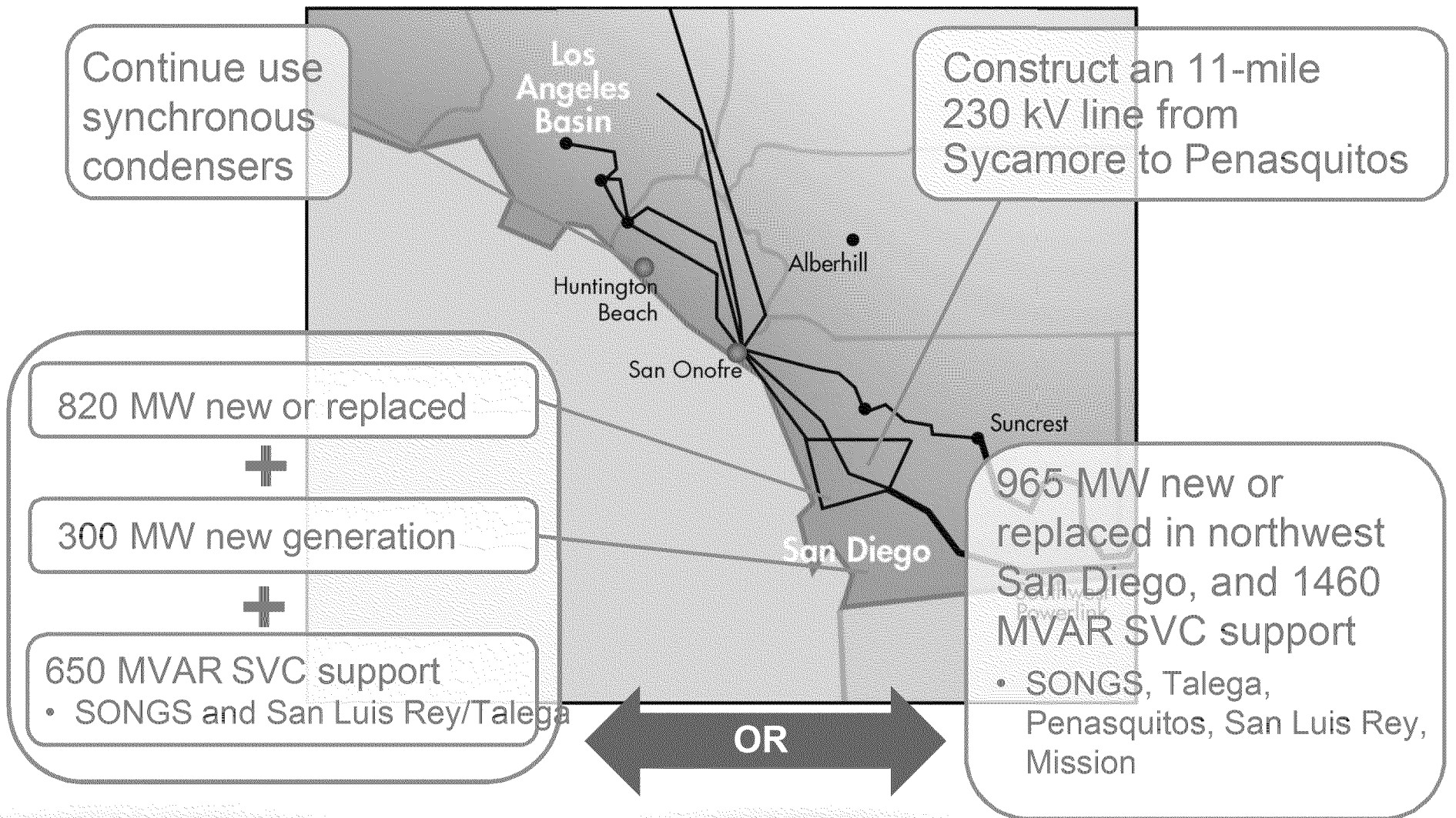
- Preliminary conclusions:
 - Loss of SONGS creates transmission impacts (thermal overloading, voltage instability) in LA Basin and San Diego LCR areas
- Possible mitigations for SONGS have been explored, and are presented on the following slides.

Recap of Mid and Long-Term Studies

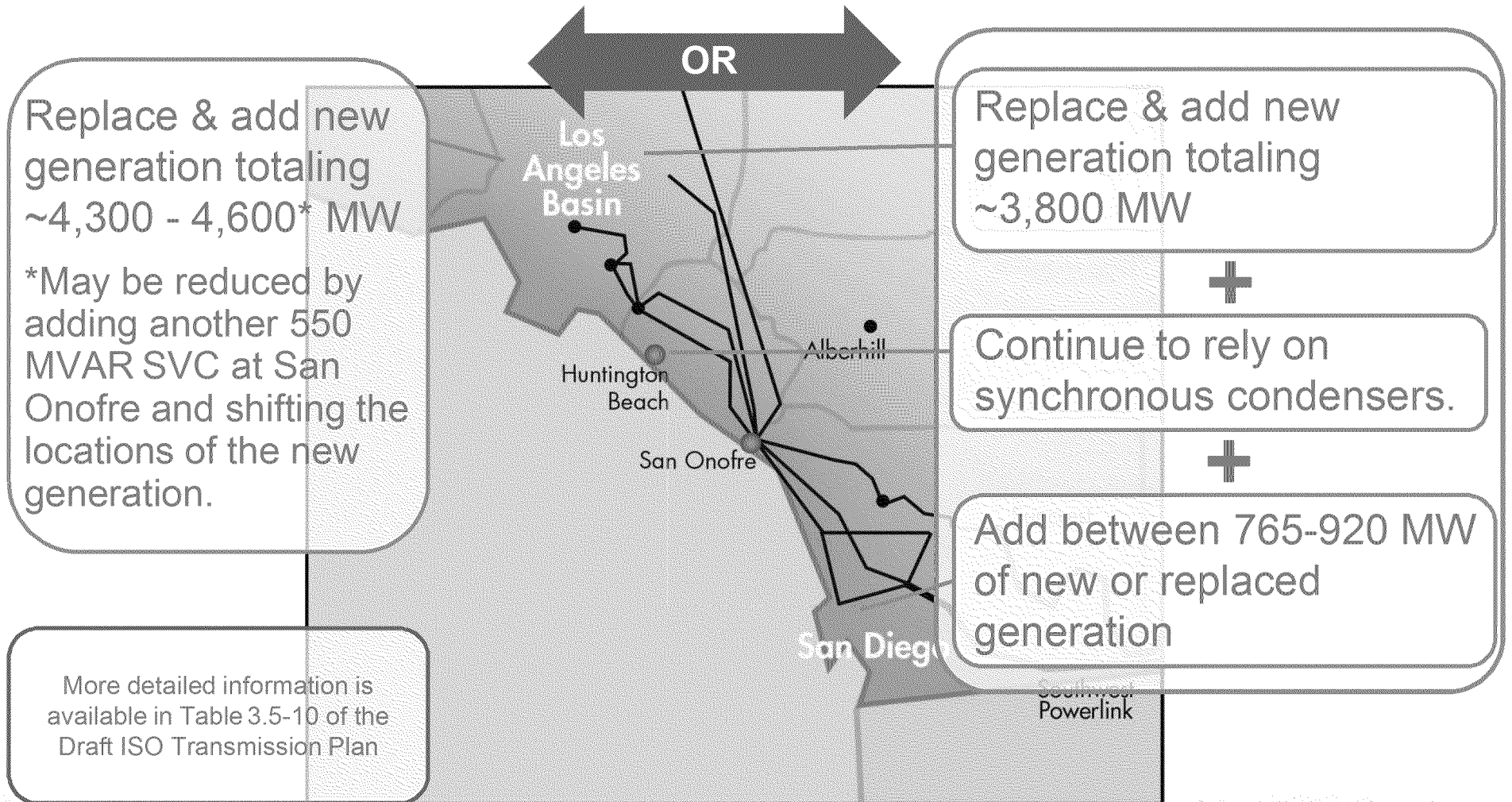
Focus is on various alternatives to mitigate load shed risk for multiple-contingency events



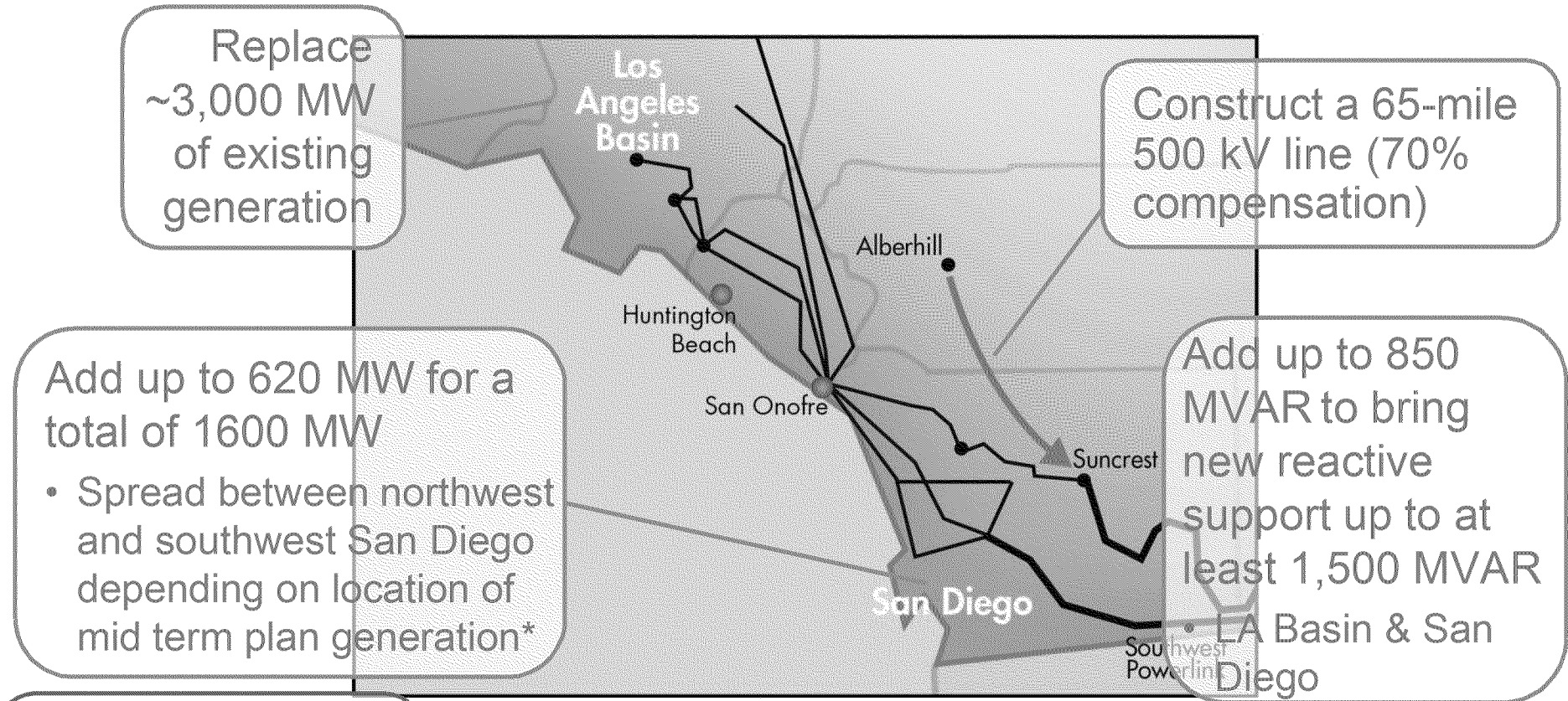
Mid term mitigation alternatives for extended outage of SONGS:



Long term generation mitigation alternatives – no added transmission lines (in addition to mid term plan)



Long term transmission and generation alternative (in addition to mid term plan)



More detailed information is available in Table 3.5-11 of the Draft ISO Transmission Plan

***Approximately 700 MW of generation in San Diego can be displaced by additional reactive support, transformer upgrades and 66 kV transmission upgrades in the LA Basin and upgrading line series capacitors and additional transformer upgrades.**