



New Palo Verde-Yuma 500 kV line Project

STEP Meeting

07/24/2006

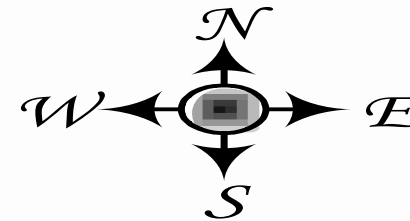
Peter Krzykos

APS

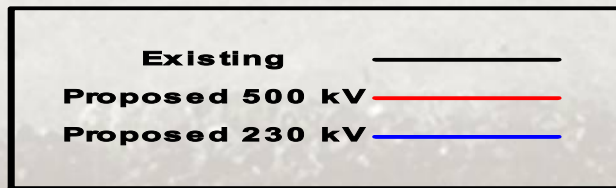
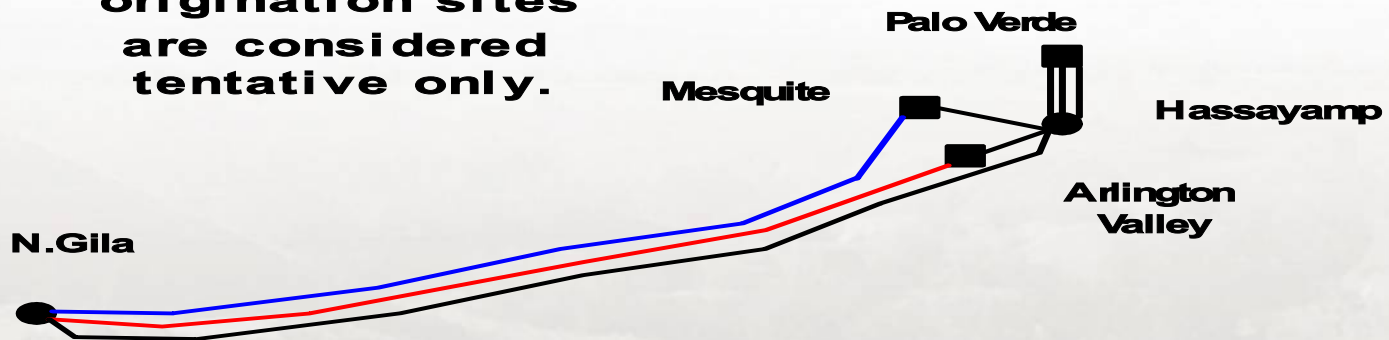




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Project origination sites are considered tentative only.



BLK
8/ 8/ 05





Project Summary

- Construct new 117-mile 500 kV line from Hassyampa switchyard to N. Gila 500 kV substation
- Tentative in-service date is summer 2012
- Purpose is to increase transfer capability from the Palo Verde-Hassyampa hub to Yuma, IID and Welton Mohawk areas.
- New line parallels the entire length of the existing Hassyampa to N. Gila 500 kV line



Summary of Preliminary Assessment

- Maximum total transfer capacity estimated to be 600 MW
- EOR Non-simultaneous rating would be increased by 600 MW
- Scheduling capacity is limited by contingency overload on Moenkopi - Eldorado 500 kV line series capacitors
- Project cost will be approximately \$250 million



Project Participants

- Arizona Public Service
- Imperial Irrigation District
- Wellton-Mohawk Irrigation and Drainage District
- Salt River Project



Next Steps

- Prepare Comprehensive Progress report
- Initiate WECC Path rating process

Questions ?