



El Paso Natural Gas Pipeline Summer 2017 Energy Preparedness

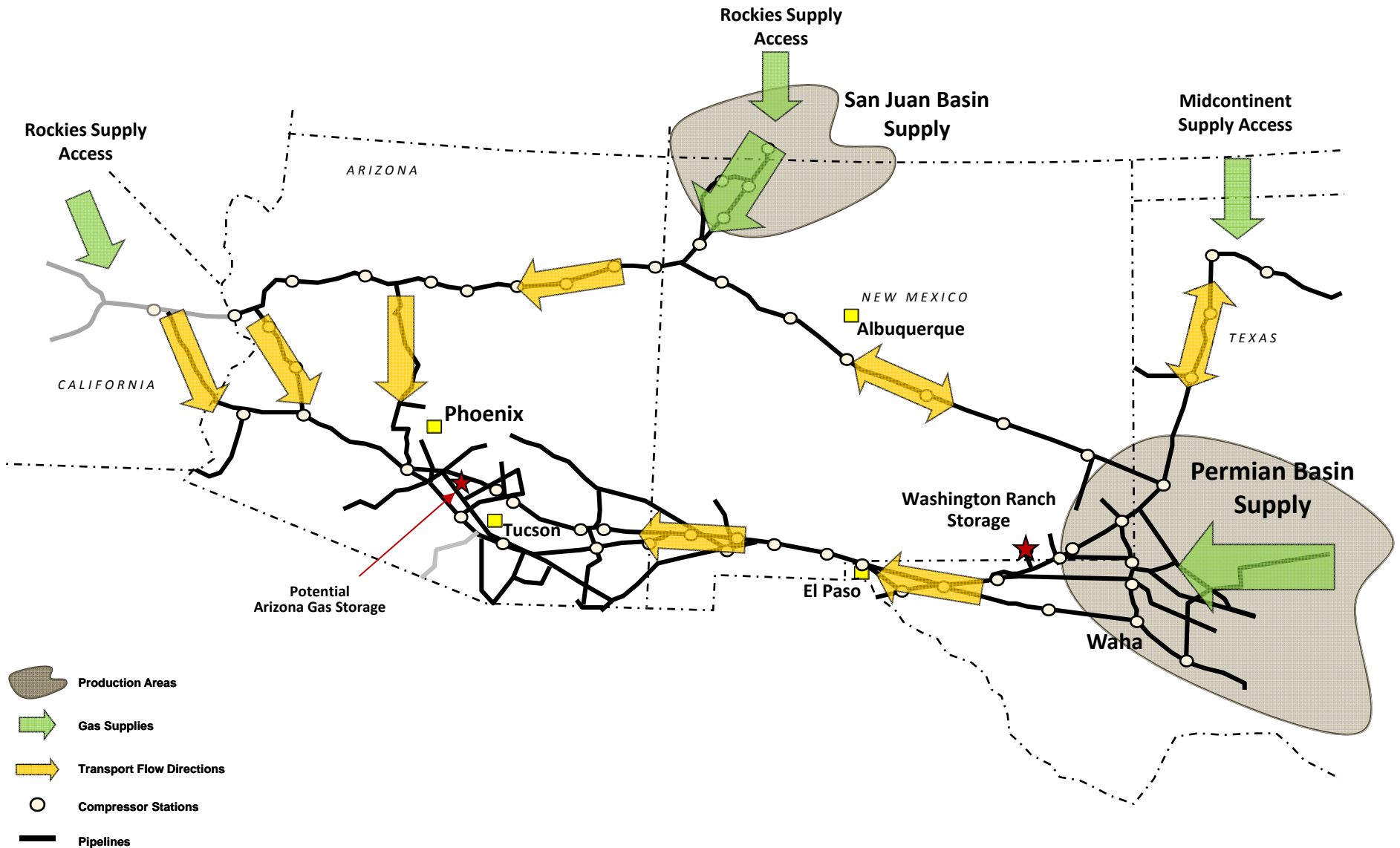
Presentation to the Arizona Corporation Commission
April 25, 2017

Kevin Johnson

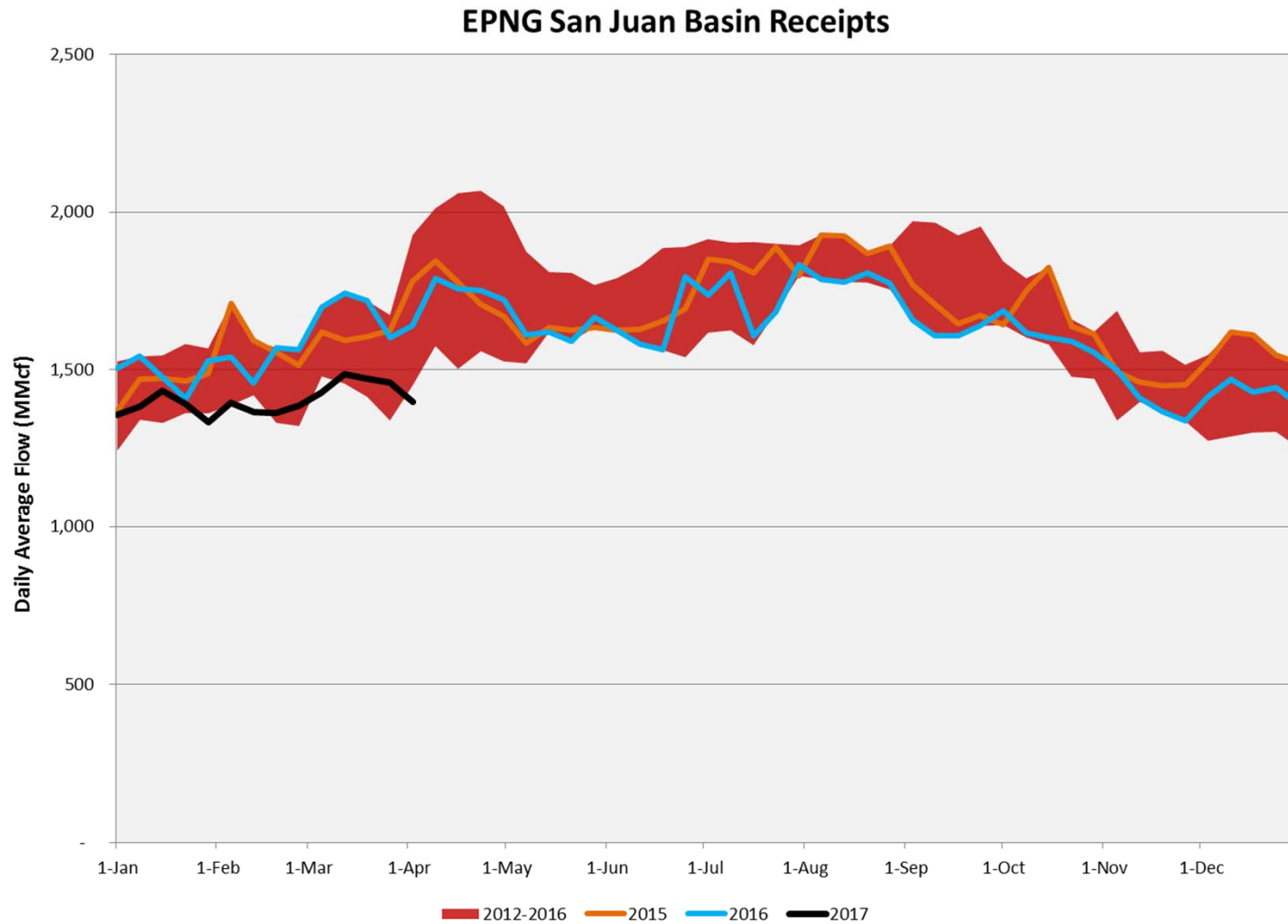
Director, Western Region Gas Pipeline Management (EPNG/Mojave/Sierrita)

EPNG System Overview

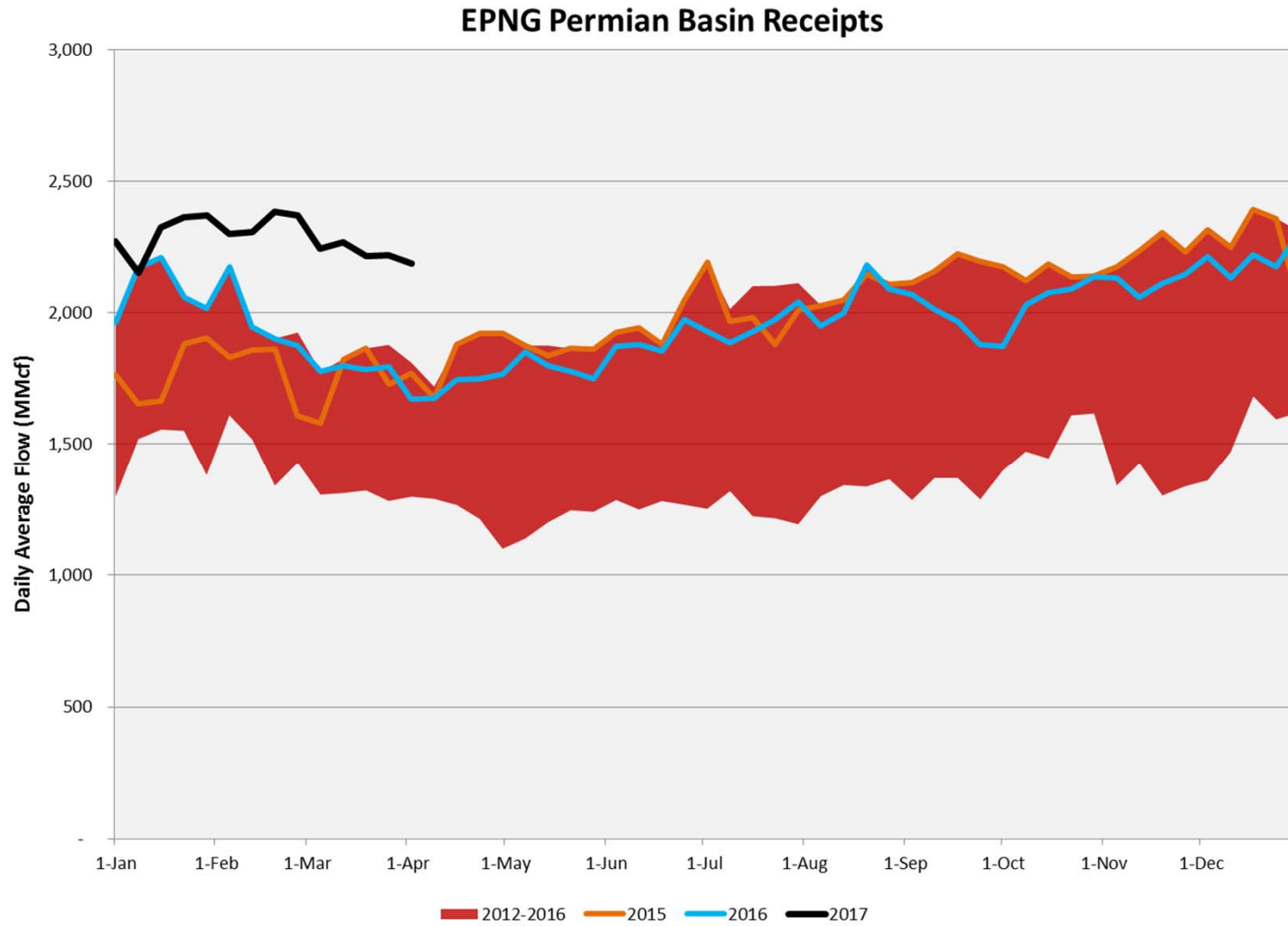
Supply Locations and Flow Direction



EPNG Supply San Juan Basin

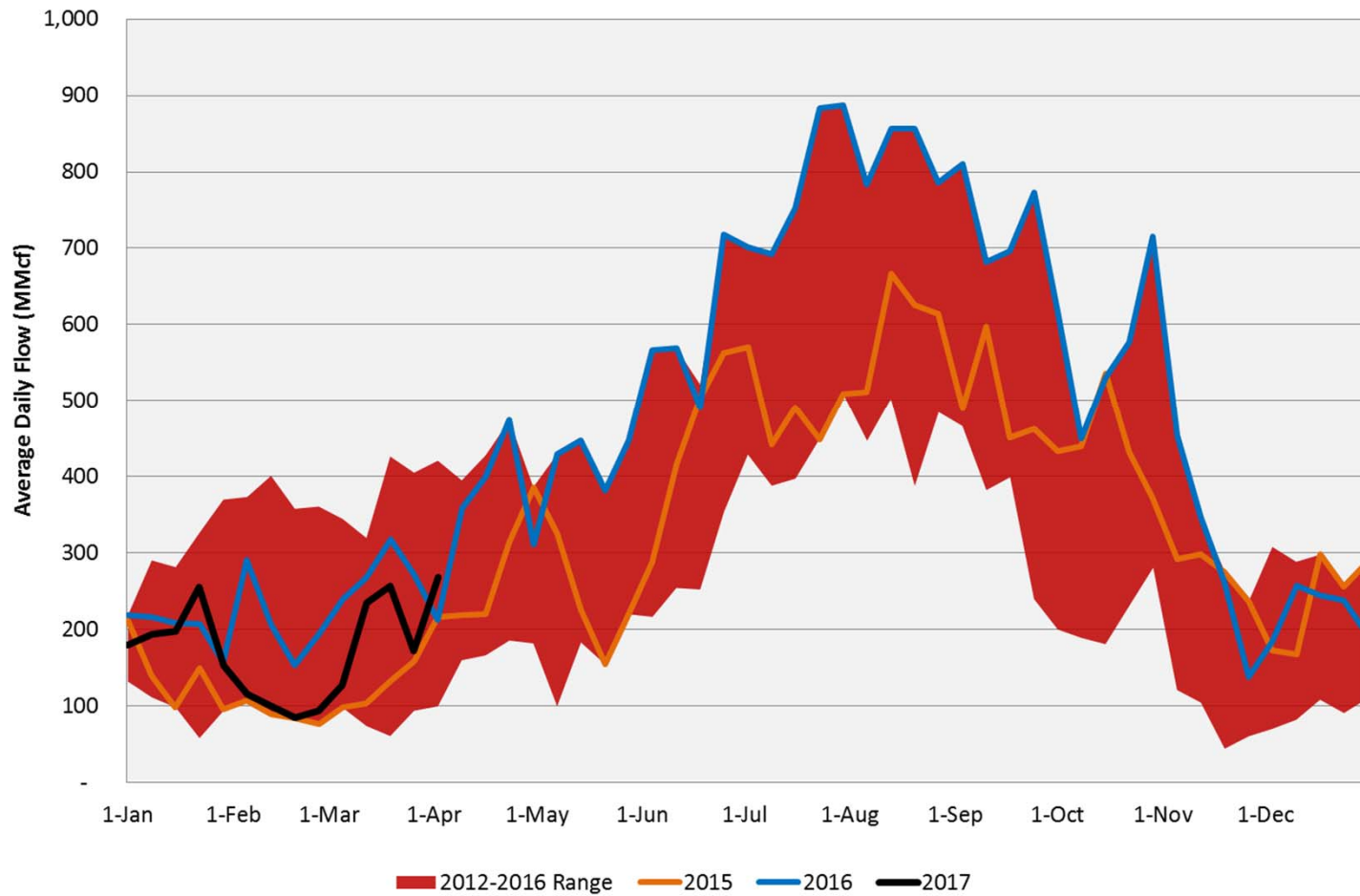


EPNG Supply Permian Basin



EPNG Throughput Arizona Power Generation

Arizona Power Generation Deliveries



Summer Preparedness

- **Maintenance Planning**
 - Schedule maintenance with a focus on minimizing impacts to available capacity.
 - Combine multiple maintenance activities, when possible, to minimize number of outages (days or volumes).
 - Coordinate customer-specific work with the customer.
- **Communication and Coordination**
 - Shipper and Stakeholder Mass Communication via EBB notices and text messages.
 - Shipper-Specific Communications.
 - Communication Protocols with Peak Reliability (Peak RC) and California ISO (CAISO).
- **Operational Response**
 - Multiple flow paths for supply to reach the market.
 - Access to supply area storage: Washington Ranch, Keystone Gas Storage and Merchant Ranch Storage.
 - EPNG has developed excellent working relationships with both affiliated and non-affiliated interconnecting pipelines which provide additional layers of contingency management in responding to emergency situations.