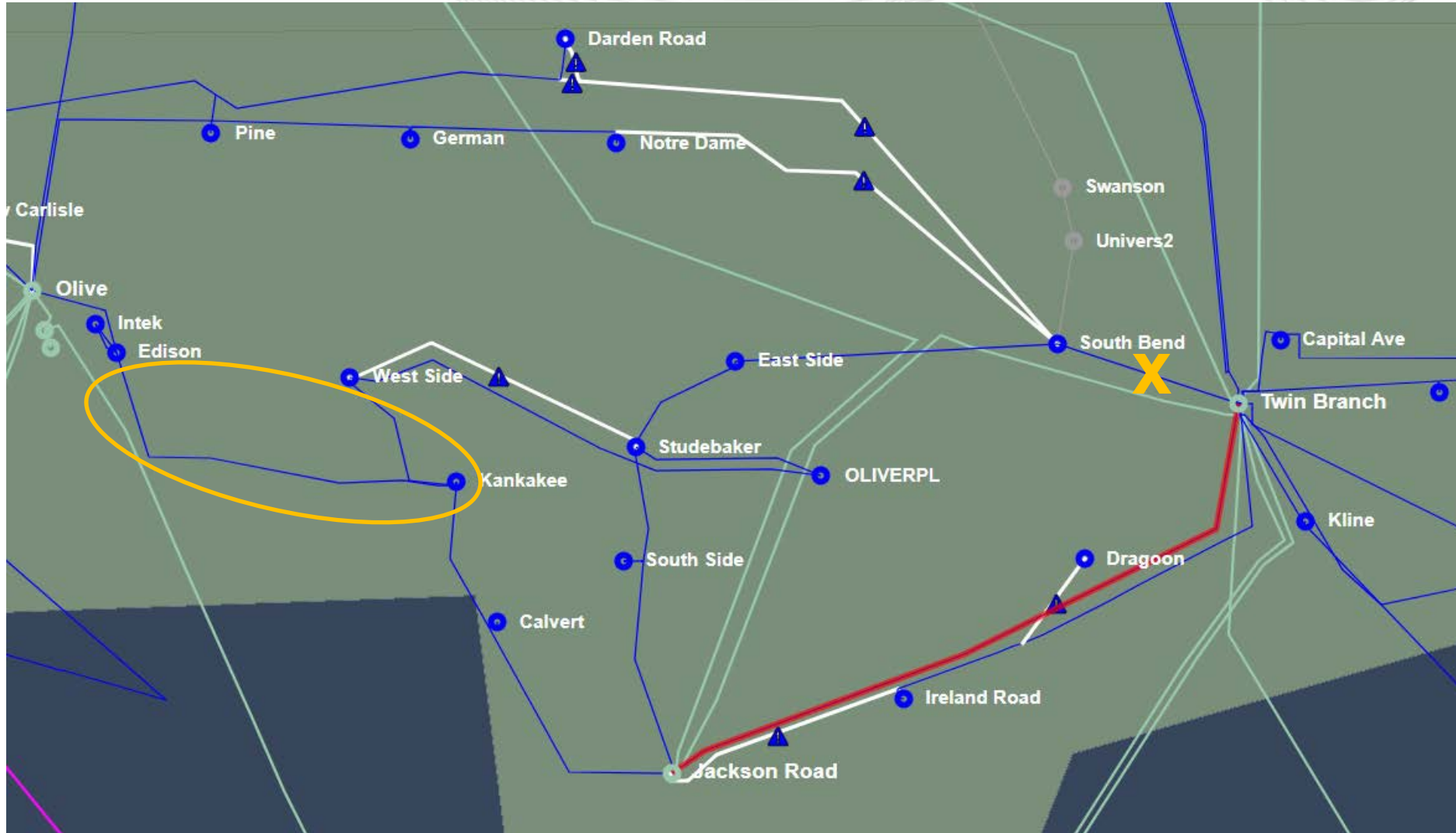




Twin Branch Load Shed Event 5/29/18

System Operation Subcommittee
June 1, 2018

- Prior planned outages of:
 - Darden – South Bend 138kV line
 - Notre Dame – South Bend 138kV line
 - Jackson Rd –Ireland Rd 138kV line
- 12:35 - Twin Branch - Jackson Rd 138 kV line & the Jackson Rd 345/138 kV transformer 3 tripped
 - The loss of these facilities resulted in multiple contingency overloads and the potential for a cascading outage following the loss of the next facility.
- 13:22 - PJM directed AEP to shed load in the impacted area to reduce the contingency flow on the Edison-Kankakee line
 - PAI trigger
- 13:37 - The Jackson Rd 345/138 kV transformer 3 was restored
- 13:46 - PJM cancelled the load shed
- 13:55 - AEP restores all load that had been shed up to that point (approx. 21 MWs)
- 23:57 - The Twin Branch - Jackson Rd 138 kV line was restored



- **System Conditions at the time of the event:**
 - PJM had issued a Hot Weather Alert
 - On-going planned outages
 - System load at the time of the tripping was approximately 115 GW
- The cause of the facility trippings is under investigation
- PJM continues to review the event and will provide an update at future SOS and OC meetings
- The load shed directive triggered a Performance Assessment Interval (PAI)
 - The PAI is being analyzed to determine whether any Non-Performance Charges or Bonus Payments will be settled