TVA BULK TRANSMISSION SYSTEM UPDATE

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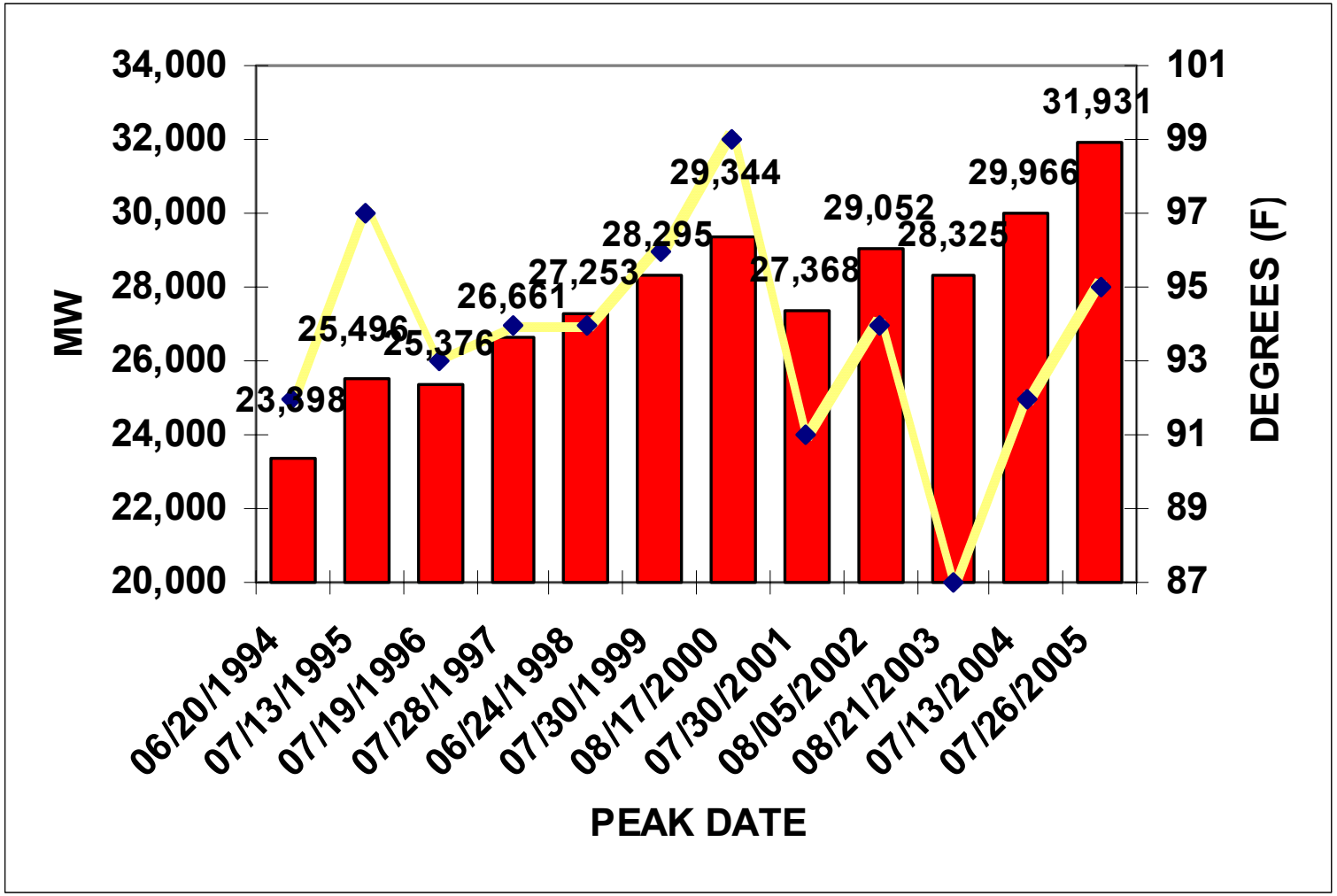
Manager, Transmission Planning

TVA'S LOAD GROWS BY 6.5%



CHALLENGES

- High load growth – 2005 peak was equal to the peak forecasted for 2008. Load growth forecasted to continue at 2.2% per year.
- Increasing opposition to siting new facilities is affecting schedules and the choice of alternatives.
- Future generation – Sources of new generation and/or imports can only be guessed.
- Impact of the market – Affects imports, exports, and transfers, and perhaps the future of some of our customers.

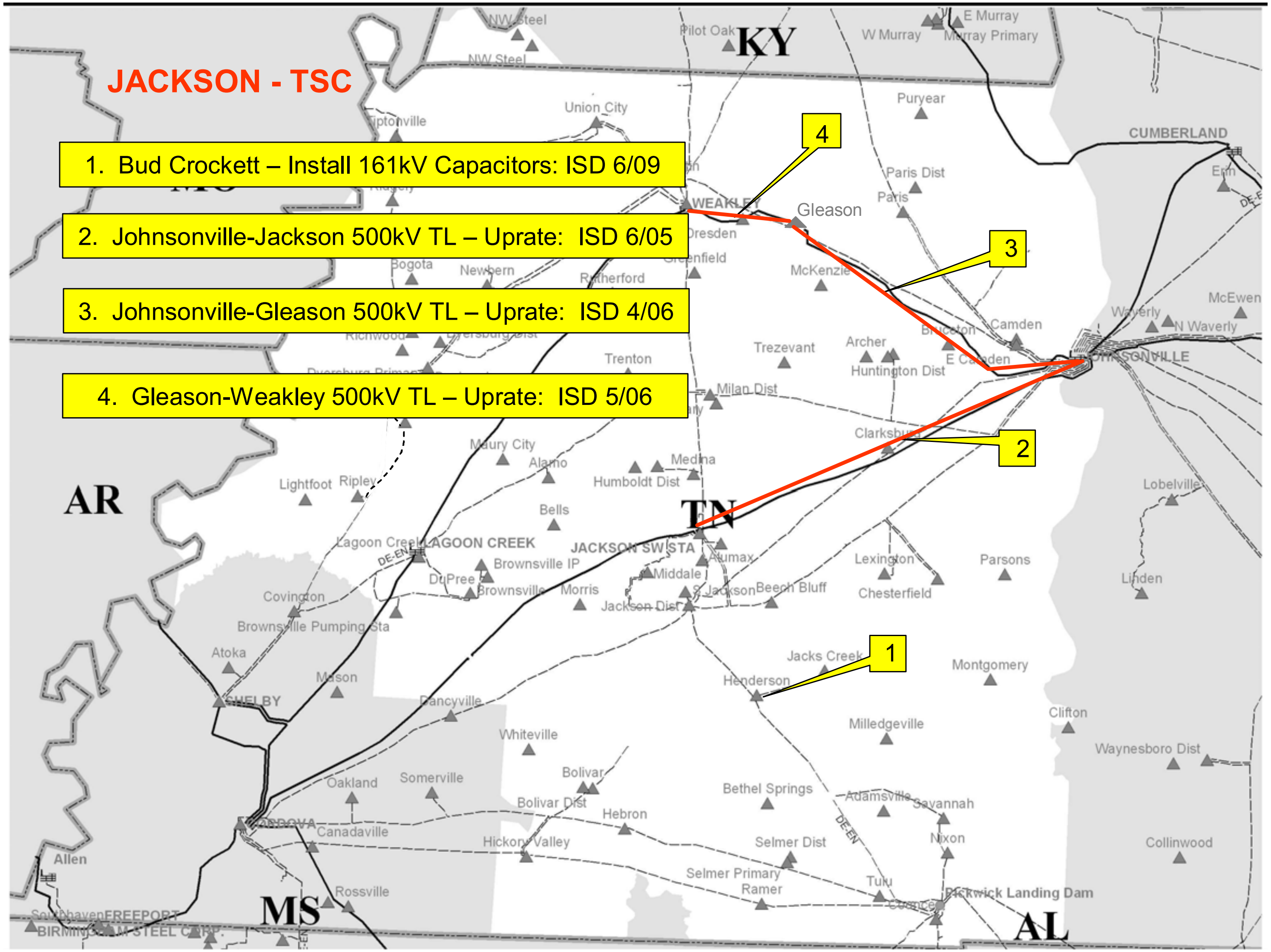
BULK TRANSMISSION PROJECTS

- Scheduled projects from 2005 out.
- Shown by location.
- Will answer any questions after I present all.
- Transmission capital investments continue at about $200M per year
- Lot of line uprates and reconductors are shown
- Some projects are being accelerated due to high 2005 loads (shown)

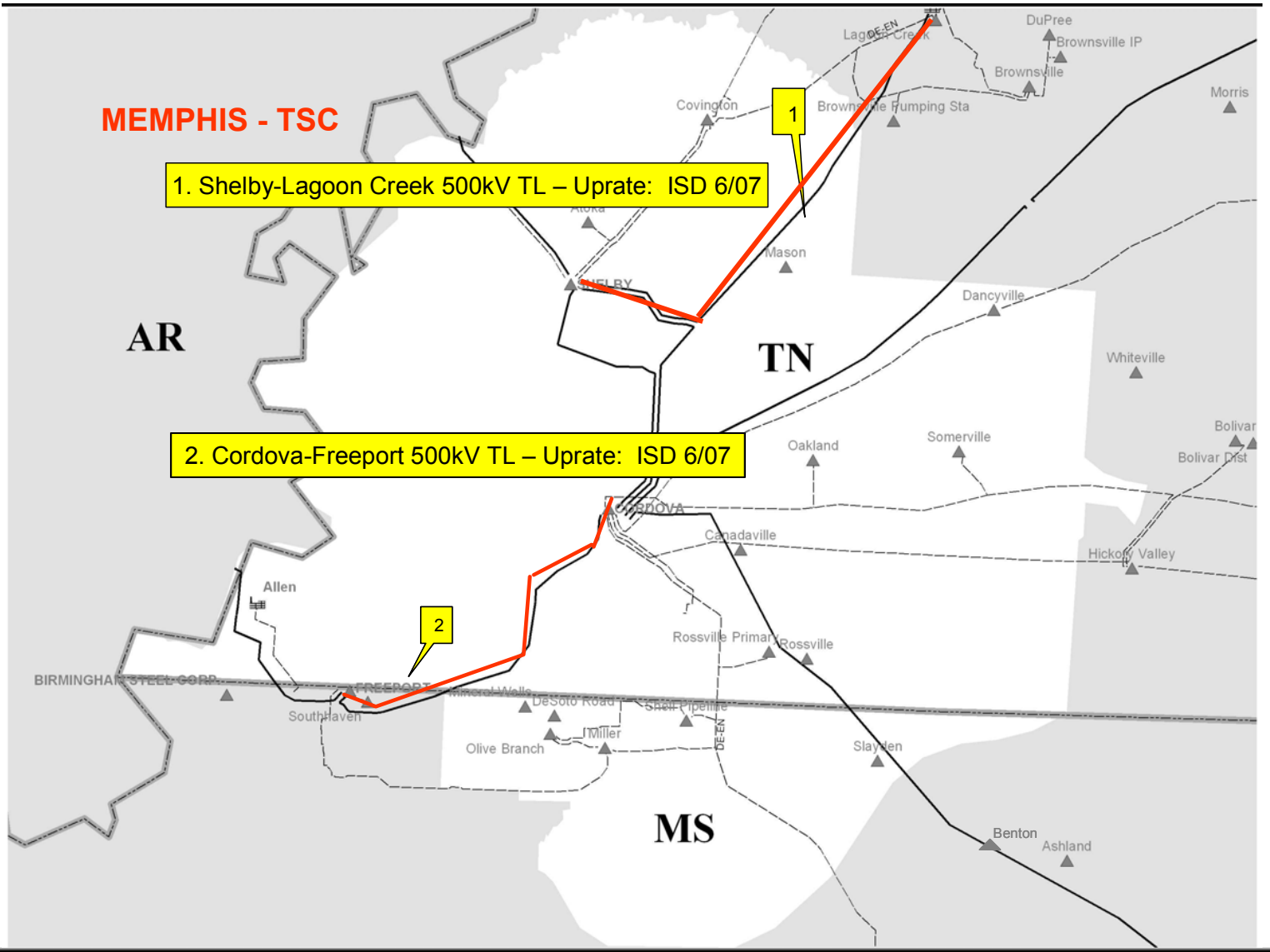
WEST TENNESSEE AREA

JACKSON - TSC

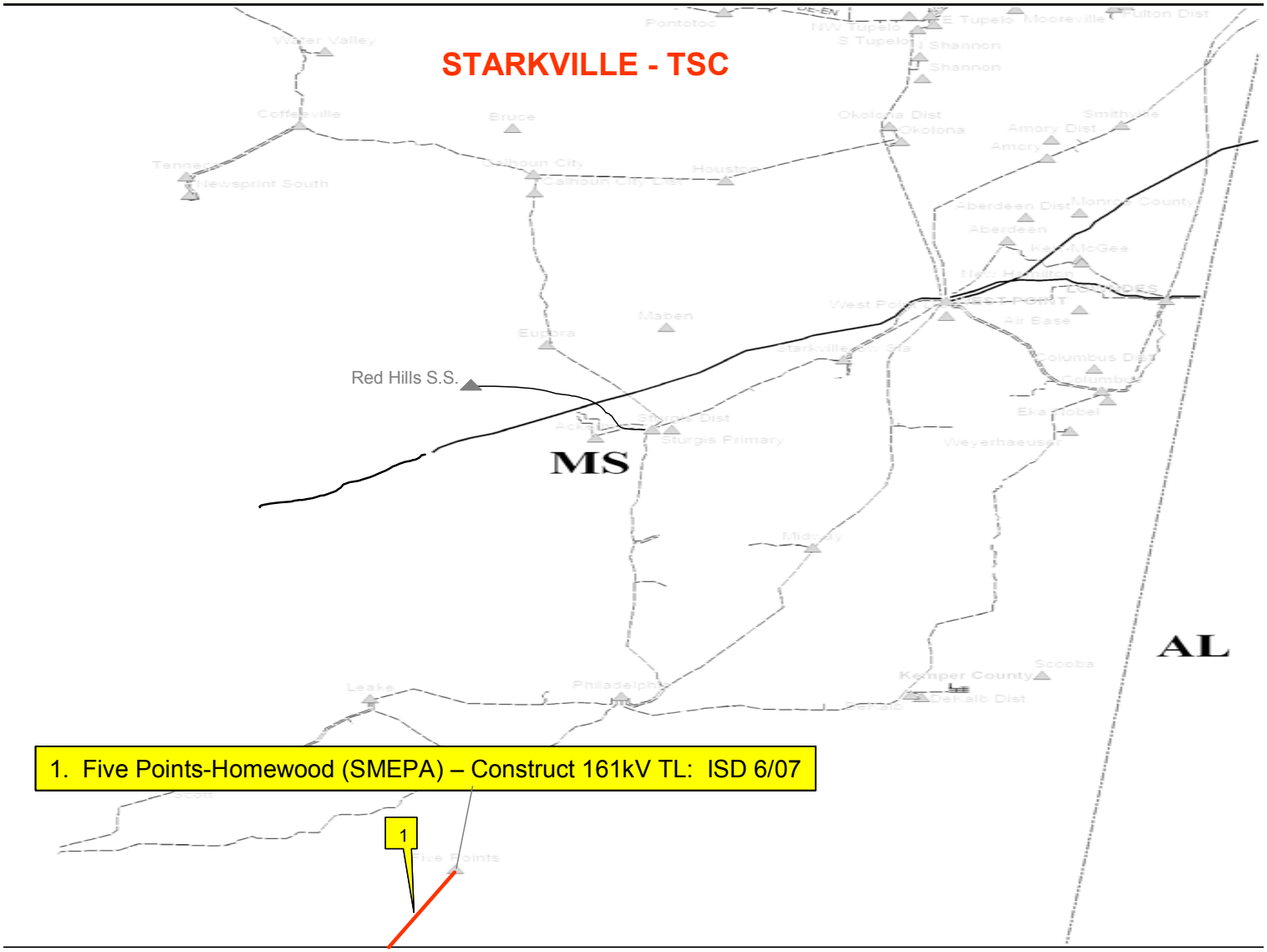
1. Bud Crockett – Install 161kV Capacitors: ISD 6/09
2. Johnsonville-Jackson 500kV TL – Uprate: ISD 6/05
3. Johnsonville-Gleason 500kV TL – Uprate: ISD 4/06
4. Gleason-Weakley 500kV TL – Uprate: ISD 5/05



WEST TENNESSEE AREA



MISSISSIPPI AREA



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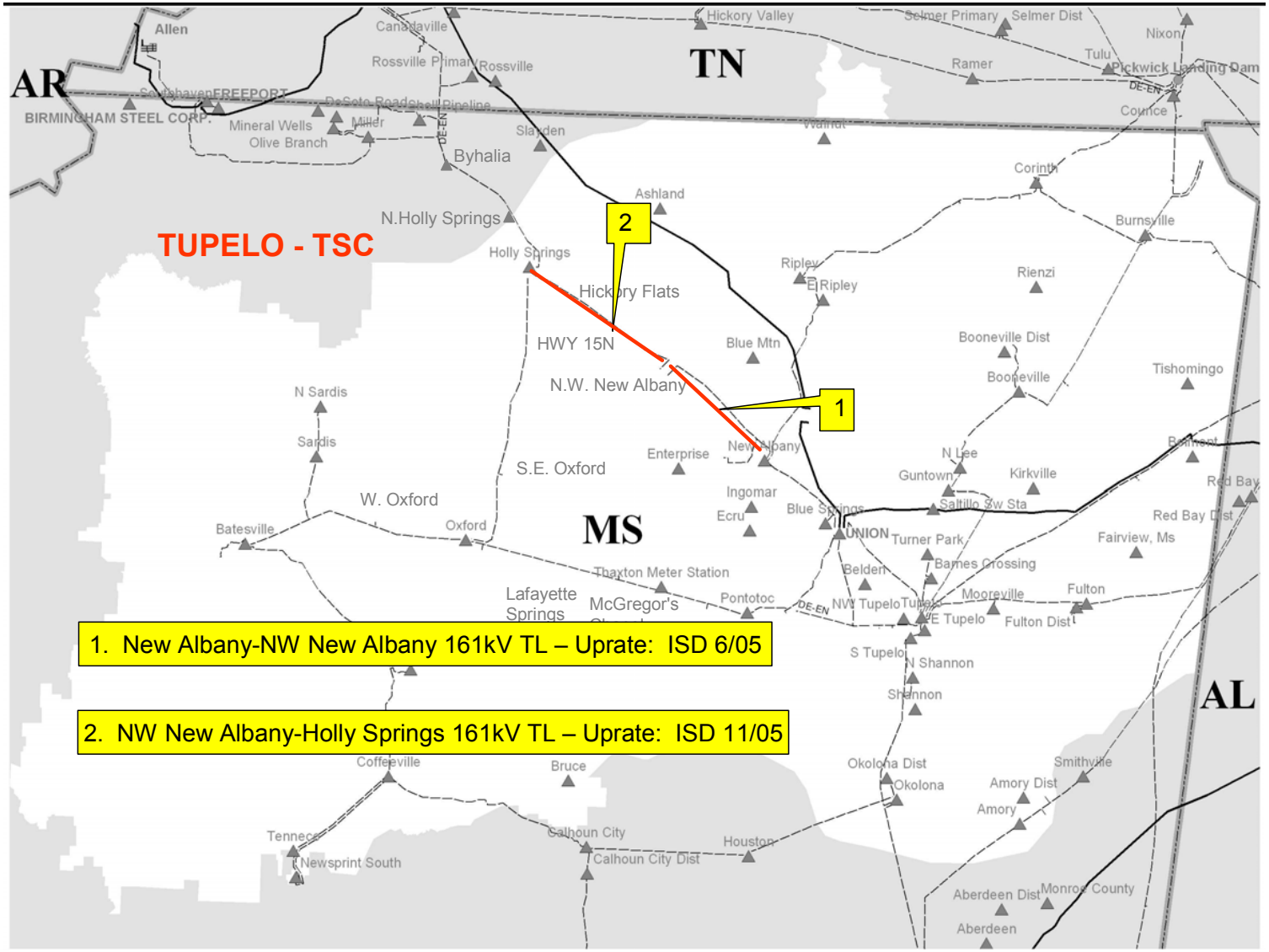
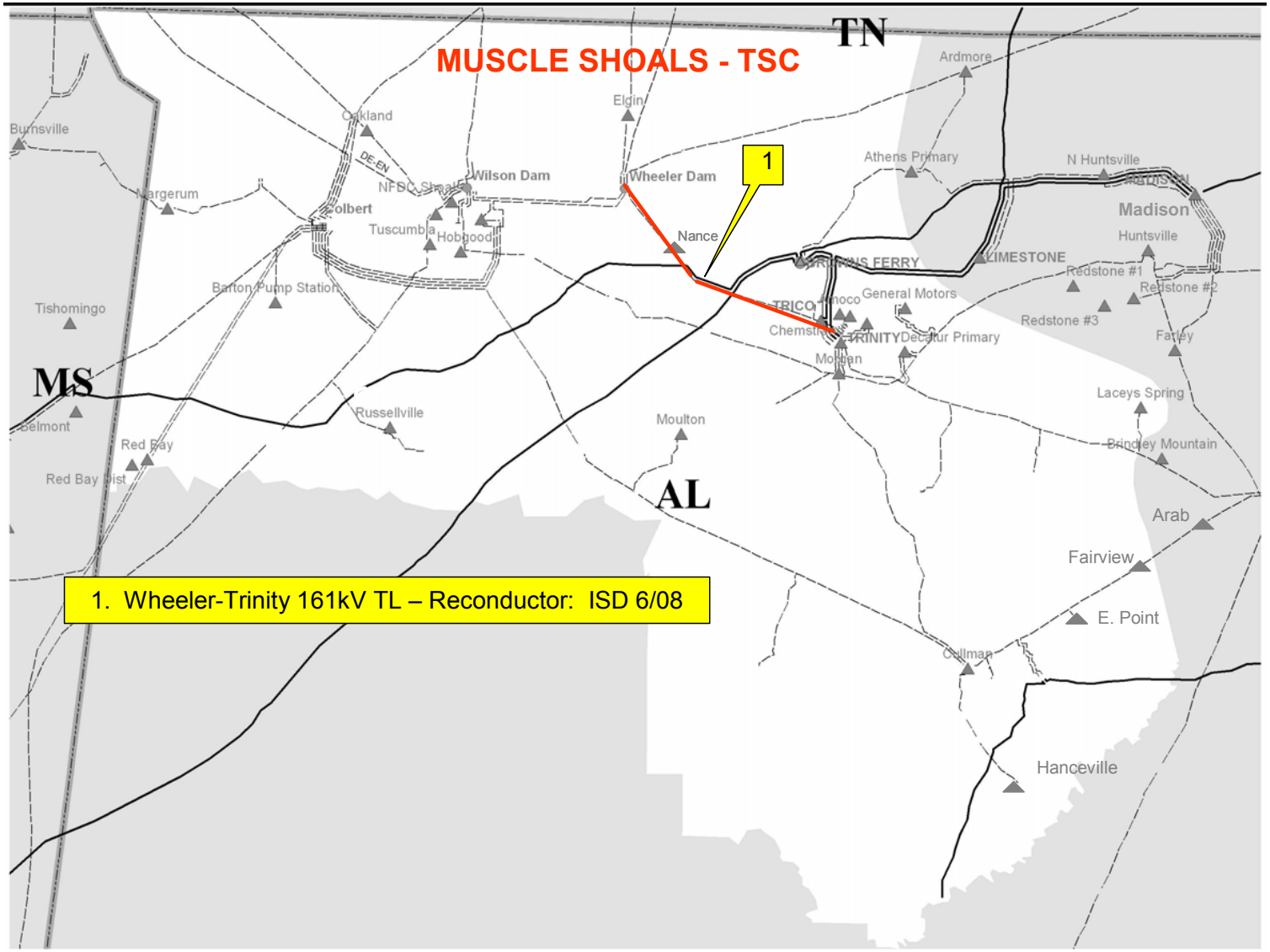


1. New Albany-NW New Albany 161kV TL – Uprate: ISD 6/05

2. NW New Albany-Holly Springs 161kV TL – Uprate: ISD 11/05

ALABAMA AREA



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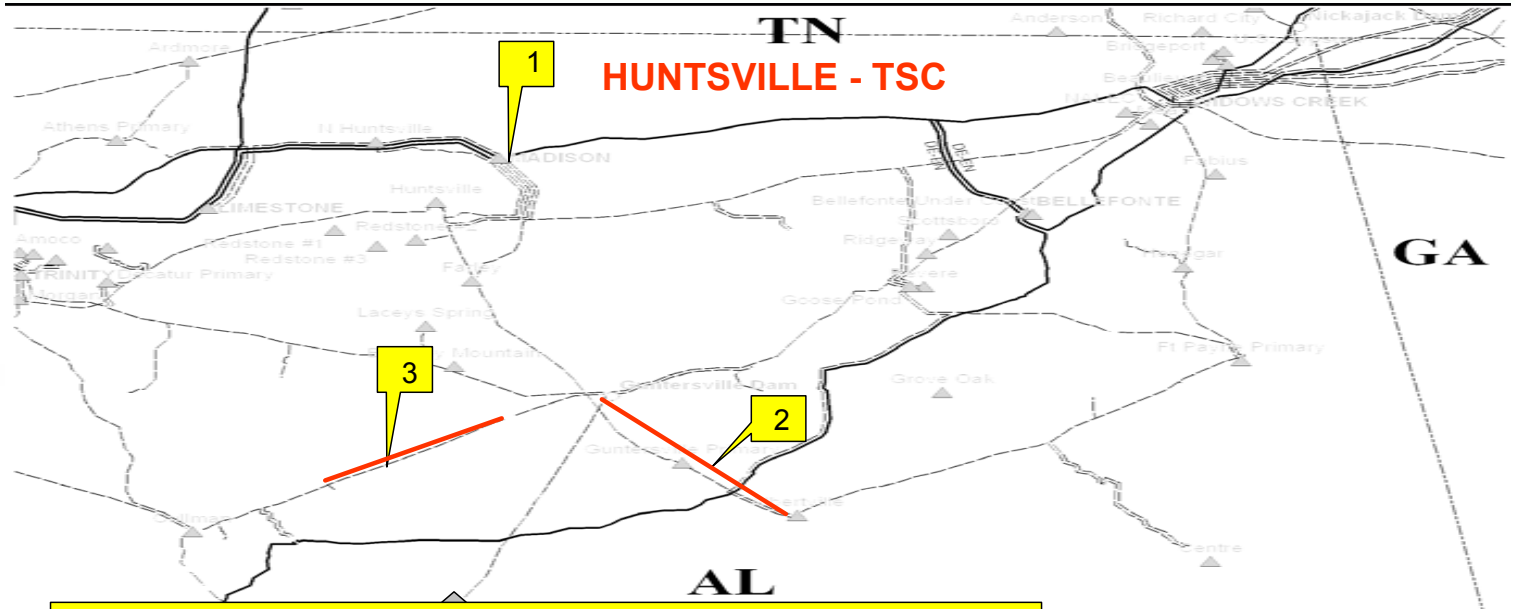
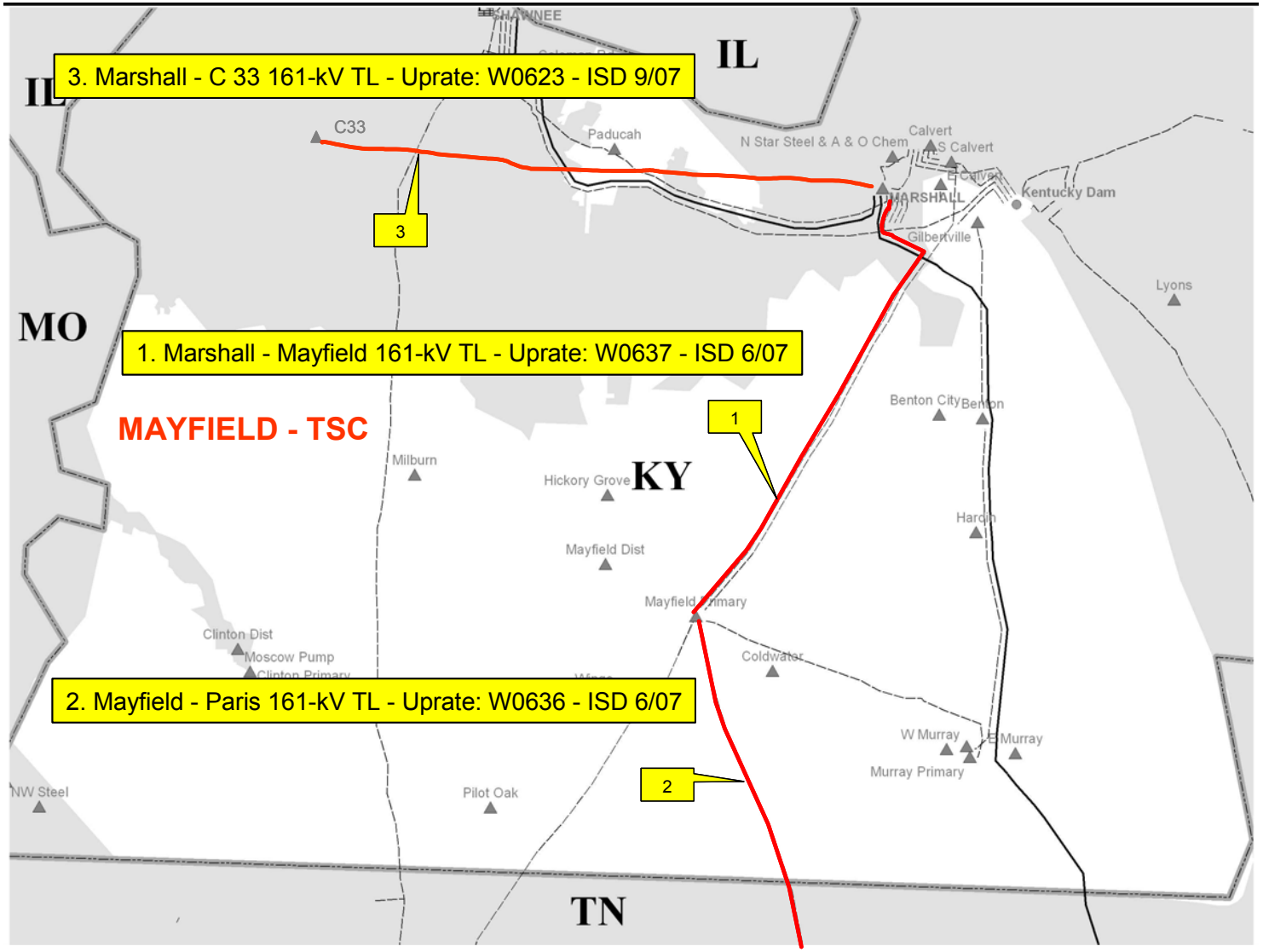


1. Madison 500kV Sub – Install Second 500-161kV Transformer: ISD 4/07

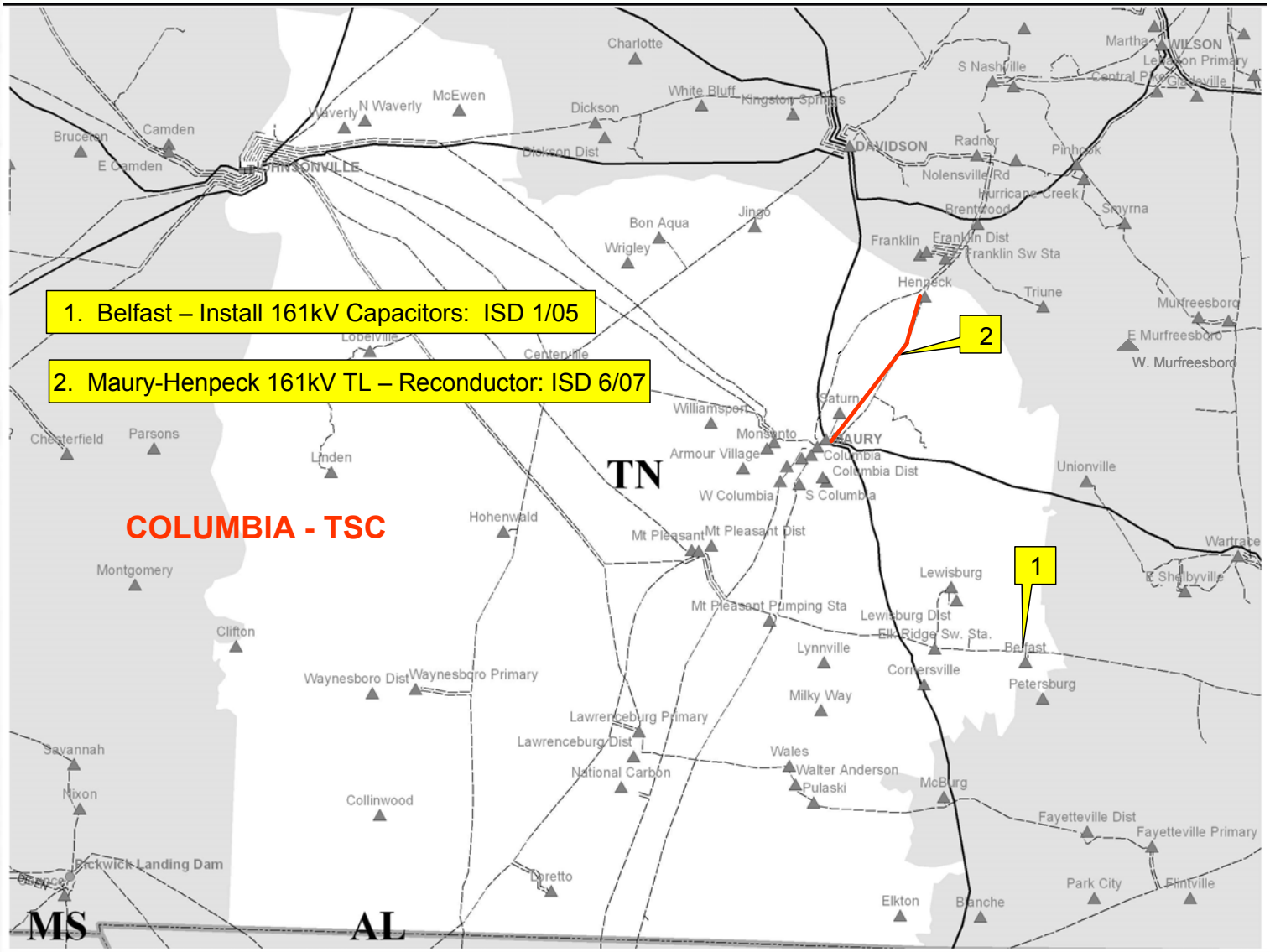
2. Guntersville-Albertville 161kV TL – Uprate: ISD 6/06

3. Arab-Fairview 161kV TL – Uprate: ISD 6/07

KENTUCKY AREA



MIDDLE TENNESSEE AREA



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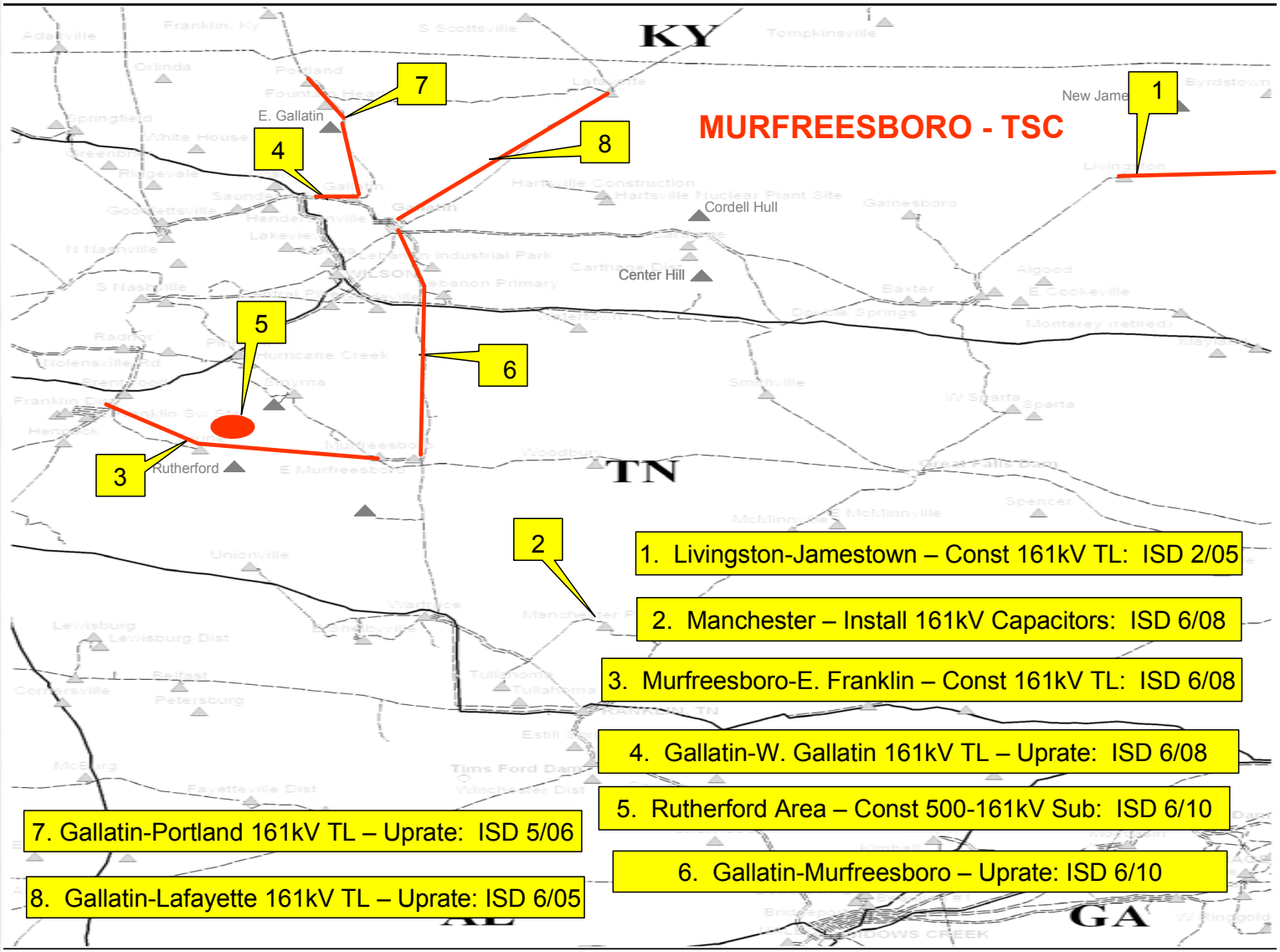

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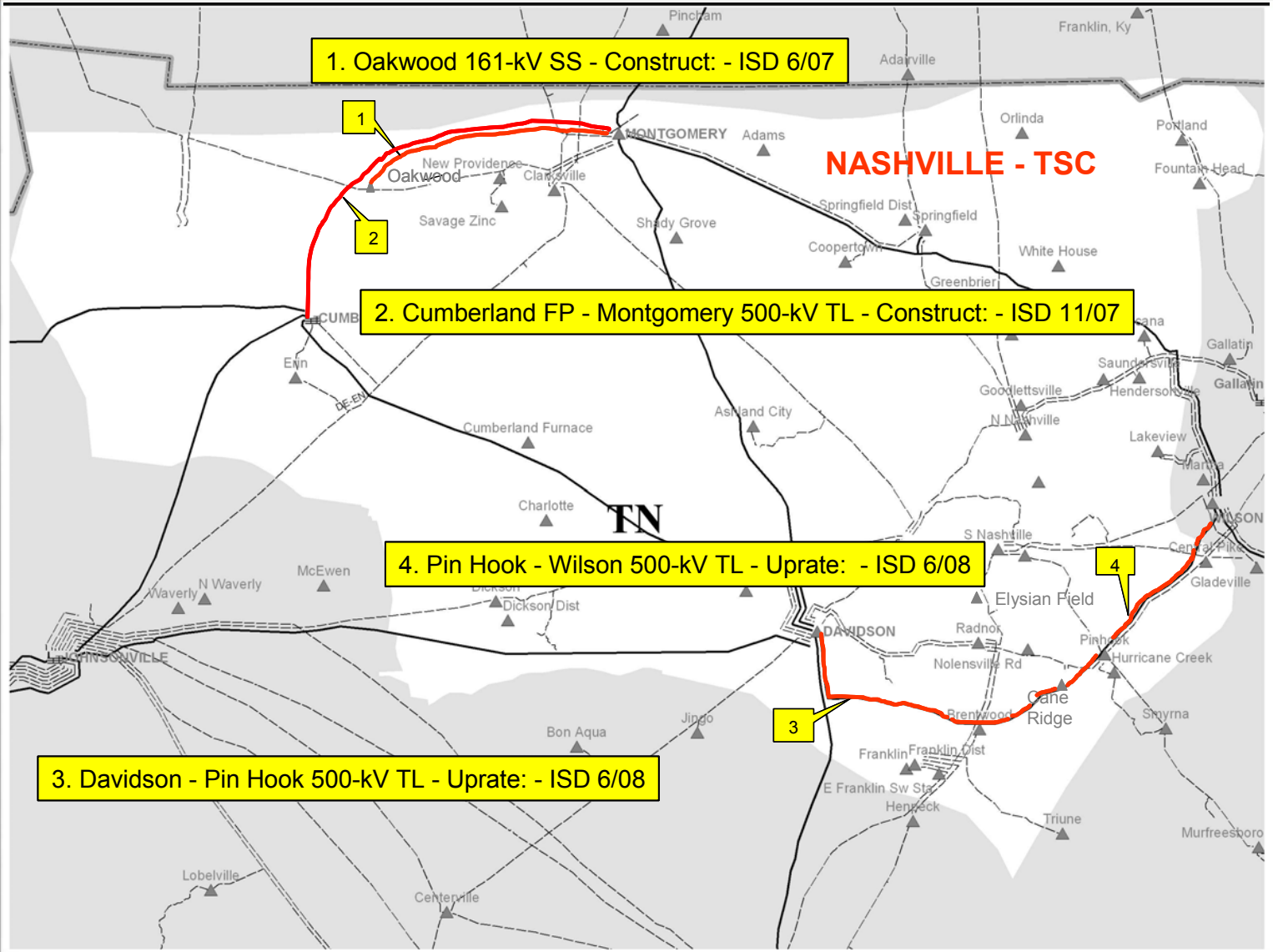
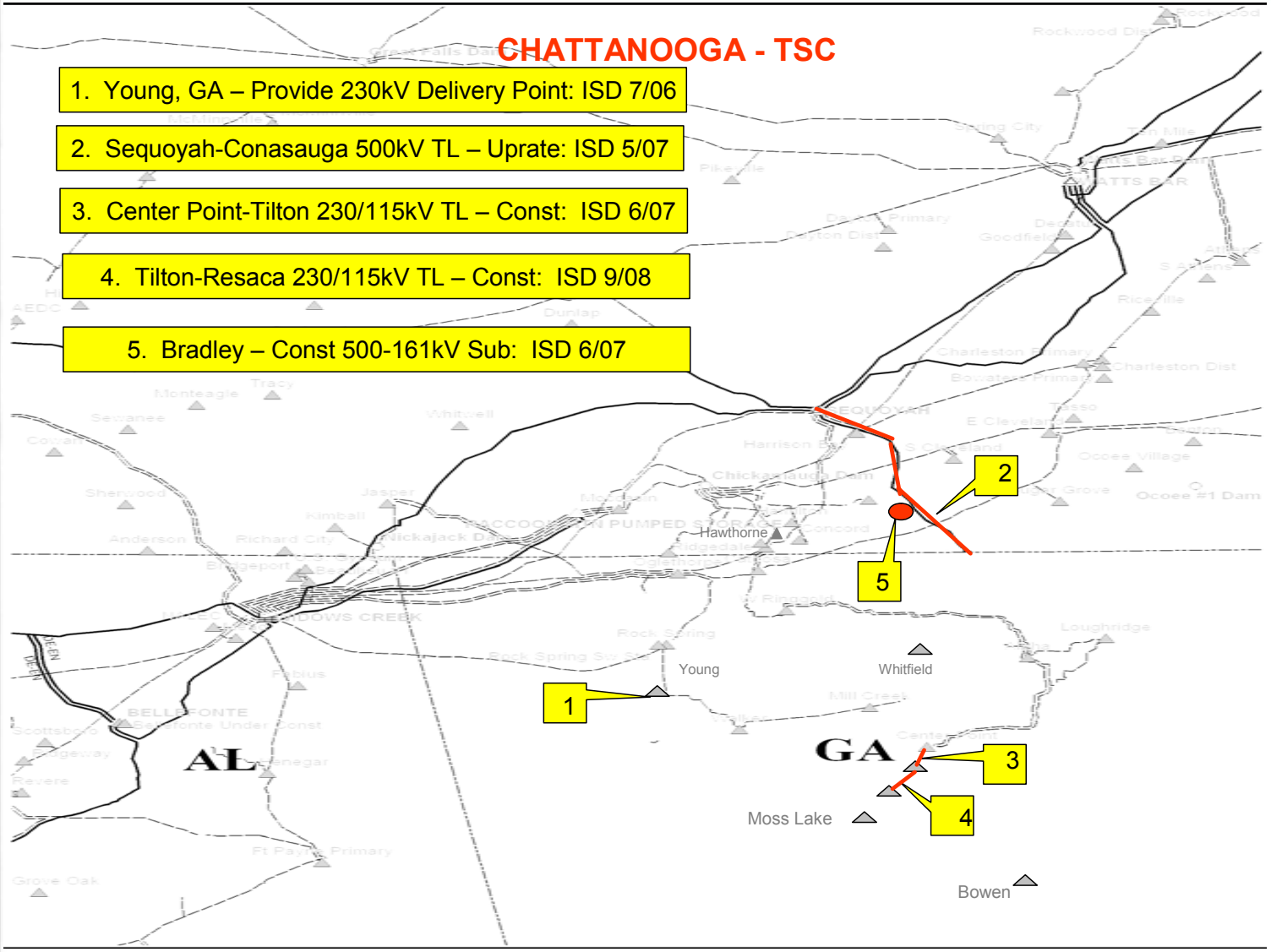


EAST TENNESSEE AREA



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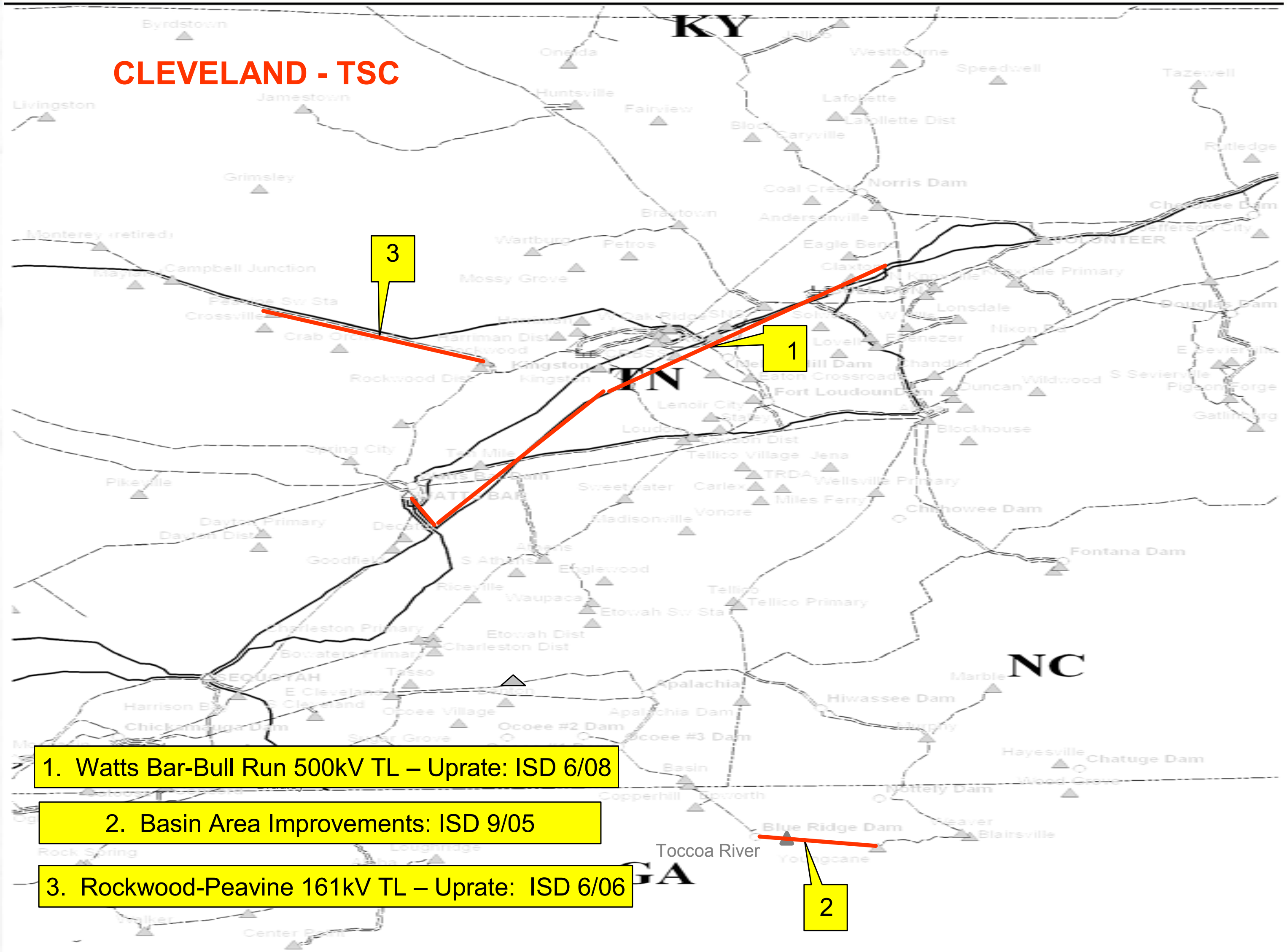
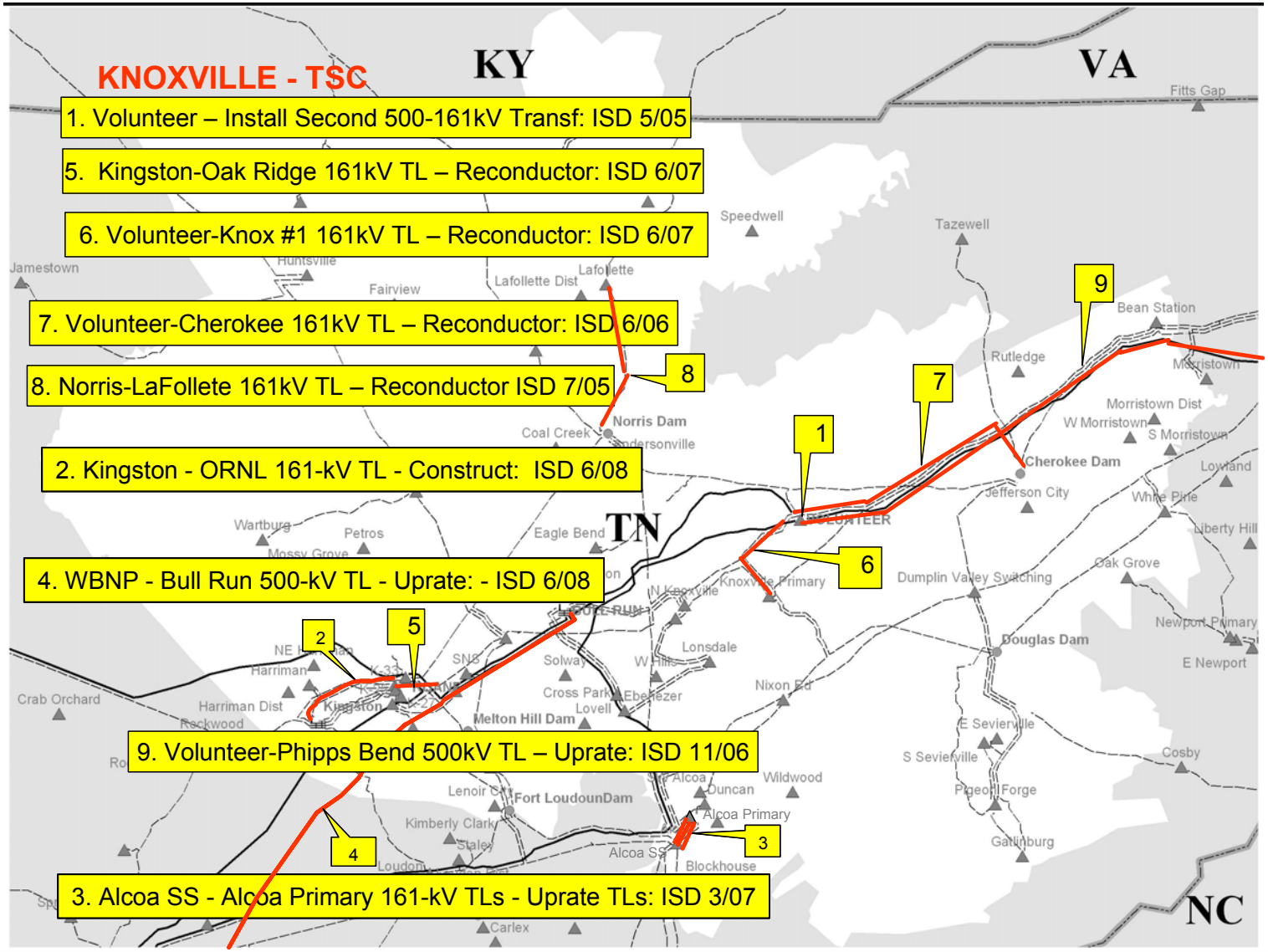
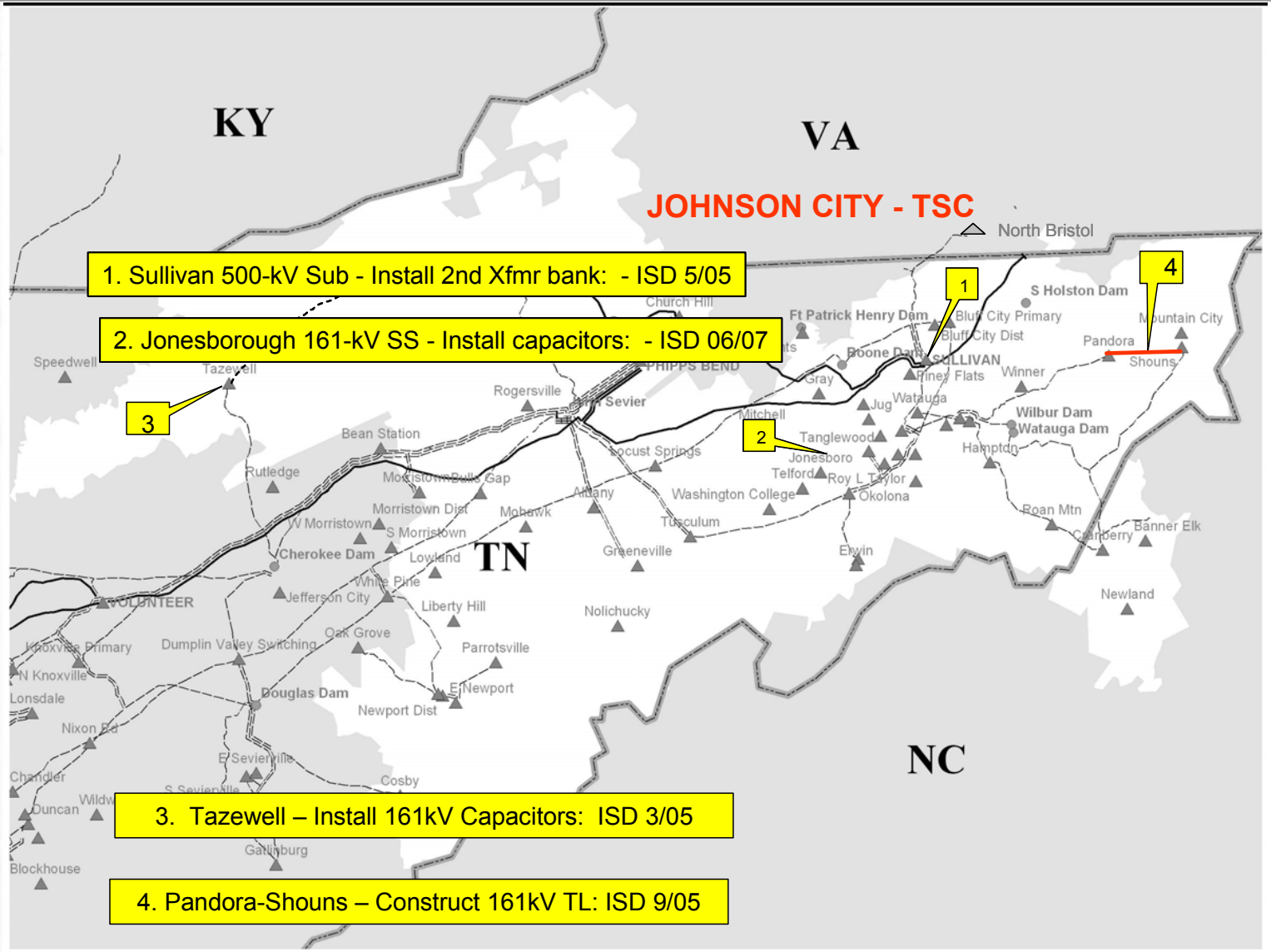


1. Watts Bar-Bull Run 500kV TL – Uprate: ISD 6/08
2. Basin Area Improvements: ISD 9/05
3. Rockwood-Peavine 161kV TL – Uprate: ISD 6/06

EAST TENNESSEE AREA



EAST TENNESSEE AREA