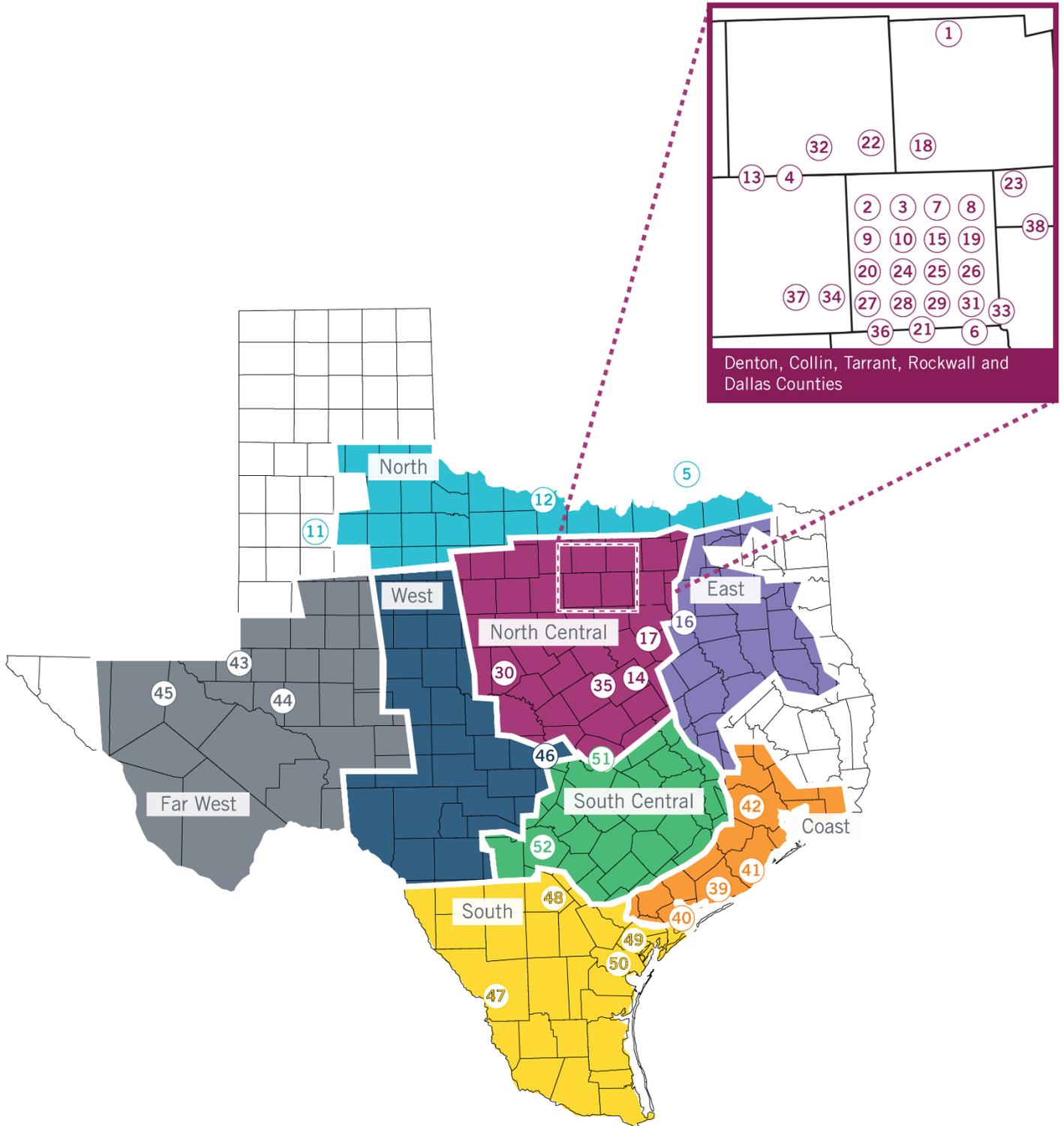


# 2019 RTP Reliability Project Locations



Reliability projects legend:

Map Index	Project Index	Project Description
1	2018-NC9	Add a Capacitor Bank of a minimum of 55 MVAR at Anna Southeast (2704) 138-kV substation
2	2017-NC2	Liggett Switch (11923, 1922) 138-kV line upgrades
3	2019-NC1	Irving Valley (2389) - Hackberry (2387) 345-kV switch upgrade
4	2019-NC7	Keller Wall Price (2037,2038) - Roanoke (1854,1852) 138-kV line upgrades and new ring bus configuration at Keller Wall Price
5	2016-N1	Kiamichi Energy Facility (140077) 345-kV reactor addition
6	2019-NC2	Southside POI (230) - India (2351) 69-kV line uprate
7	2019-NC3	Brand (827)-College(829) 138-kV line upgrade
8	2019-NC4	McCree (834)-Shiloh (830) 138-kV line upgrade
9	2019-NC6	Add a Capacitor Bank of a minimum of 120 MVAR at Lookout (828) 138-kV substation
10	2019-NC8	Prairie Creek Switch (2441) - Mesquite Forney Road (2752) - Thornton East Tap (2747) - Oates (831) 138-kV line upgrades
11	2019-N1	Install two reactors at New Oliver (59196) 345-kV station and Mackenzie (59114) 69-kV Station
12	2019-N2	Henrietta West (1543) -Lanham Tap (1452) 69-kV line upgrades
13	2019-NC11	Hicks Switch (2081) - Alliance (1855) - Roanoke (1845) 345-kV line upgrades
14	2019-NC12	Lake Creek SES (3409) -Tradinghouse SES (13405) 345-kV line upgrades
15	2019-NC13	Liggett Switch (1922) - Rochelle (2057) 138-kV line upgrades
16	2019-NC14	Trinidad SES (3127) - Nipak Tap (3260) - Oak Grove Tap (2725) 138-kV line upgrades
17	2019-NC15	Venus Switch (1907,1906) - Navarro (68091) 345-kV line upgrade
18	2019-NC16	Allen Switch (2509) - Plano Custer Road (2525) 138-kV line uprades
19	2019-NC17	Carrollton Northwest Auto Upgrade
20	2019-NC18	Carrollton East (2577) - Carrollton Tarpley Road (2558) 138-kV line upgrades
21	2019-NC19	Cedar Hill (3058) - DeSoto Hampton Road (3059) 138-kV line upgrade
22	2019-NC20	Austin Ranch (2378,2377) Cap Bank Addition
23	2019-NC21	Royse Switch (2472) - Fate (12703) - Rockwall Aluminum Tap (2733) - Darlock Road (2735) 138-kV line upgrades

24	2019-NC22	Alpha Road (2596) - Inwood Road (2598) - Farmers Branch Gillis (2582) 138-kV line upgrades
25	2019-NC23	Industrial (2976) - West Levee Switch (2400) - East Levee Switch (2482) 138-kV line upgrades
26	2019-NC24	Cedar Crest (2493,2494,2495) - Dealey Street (2842) - West Levee Switch (2400) 138-kV line upgrades
27	2019-NC25	Sargent Road (2947) - Industrial (2976) 138-kV line upgrades
28	2019-NC26	Fairdale (805) - College (829) 138-kV line upgrade
29	2019-NC27	Miller (824) - Newman (849) - Walnut (823) 138-kV line upgrades
30	2019-NC28	Holder (292,293) Auto upgrade
31	2019-NC29	Liggett Switch Autos Series Reactors
32	2019-NC30	Roanoke Switch Autos Series Reactors
33	2019-NC31	Seagoville Switch (2433)-Forney Switch (2437) 345-kV line upgrade
34	2019-NC32	Sherry Switch(1920) -General Motors Switch (2140)-Watson (2128) 138-kV line upgrades
35	2019-NC33	Temple Elm Creek (13662) - McGregor Phillips Tap (3594) - Waco Atco (3592) 138-kV line upgrade
36	2019-NC34	DeSoto Switch (2424) - Glen Heights (217) 138-kV line upgrades
37	2019-NC35	Everman Switch (1883) - Forest Hill Switch (1967) - Rolling Hills Tap 1 (2211) 138-kV line upgrades
38	2019-NC36	Forney (2437) – Royse (2474) 345-kV line upgrades
39	2019-C1	Markham Area 69kV Upgrades
40	2019-C2	Brookhollow to Port Lavaca 69kV Upgrade
41	2019-C3	Jones Creek Copper Reconfiguration
42	2016-C8	Hardy (45840) - North Side (47711) 138-kV Line Uprate
43	2019-FW1	Quarry Field substation 345-kV addition
	2019-FW4	Add a second 345/138/13.8-kV 3-Windings transformer at Quarry Field station
44	2019-FW2	McElroy (6607) to Sage (6604) to Crane Tap 2 (6609) 69-kV lines upgrade
45	2019-FW3	Add a second 138-kV circuit from Horseshoe Springs to Riverton and a capacitor bank at Owl Hills substation
46	2019-W1	138/69-kV Sandy Creek transformer (7121/7127); and 69-kV lines from Sandy Creek (7121) to Sunrise Beach (7400) to Kingsland (7404) upgrade

<b>47</b>	2018-S2	Wormser Road (8295) - Santo Nino (8653) 138-kV line upgrade
<b>48</b>	2019-S1	Tordillo (5715) - McCoy (5721) - Pleasanton (5714) 69-kV Upgrade
	2019-S2	Pleasanton 69-kV Area Upgrades
<b>49</b>	2019-S4	Cheniere LNG 345/138-kV Additions
<b>50</b>	2019-S5	Dupont Switching Station (8422) to Gregory Power (160205) 138-kV Upgrade
	2019-S6	Resnik (8580) to Dupont Switching Station (8422) 138-kV Upgrade
	2019-S7	Whitepoint (8961) to Hecker (8565) Ckt 1 & 2 138-kV Upgrade
<b>51</b>	2019-SC1	Hutto 345/138-kV Transformer Addition and Downstream Line Upgrades
<b>52</b>	2019-SC2	Hamilton Wolfe (5187) to Medical Center (5300) 138-kV Line Upgrade