



Entergy

Entergy Arkansas Inc.
Entergy Mississippi Inc.
Entergy Louisiana, L.L.C.
Entergy New Orleans, Inc.
Entergy Gulf States Louisiana, L.L.C.
Entergy Texas Inc.

Entergy 2014 – 2018 Draft Construction Plan Update 1

2013 Transmission Summit
New Orleans, Louisiana
July 9, 2013



Entergy



Entergy Arkansas, Inc. Transmission

2014 – 2018 Draft Construction Plan Projects

2014-2018 EAI Draft Construction Plan Update 1 Projects Projects Completed in the Fall of 2012 & 2013 to date

1) Ebony : Install 5 Breaker Ring
Bus and add capacitor
bank (Nov 2012)

2) Wilmar: Install 21.6MVAR
Capacitor Bank
(Jan 2013))

3) Quitman to Bee Branch:
Upgrade switch
(Oct 2012)

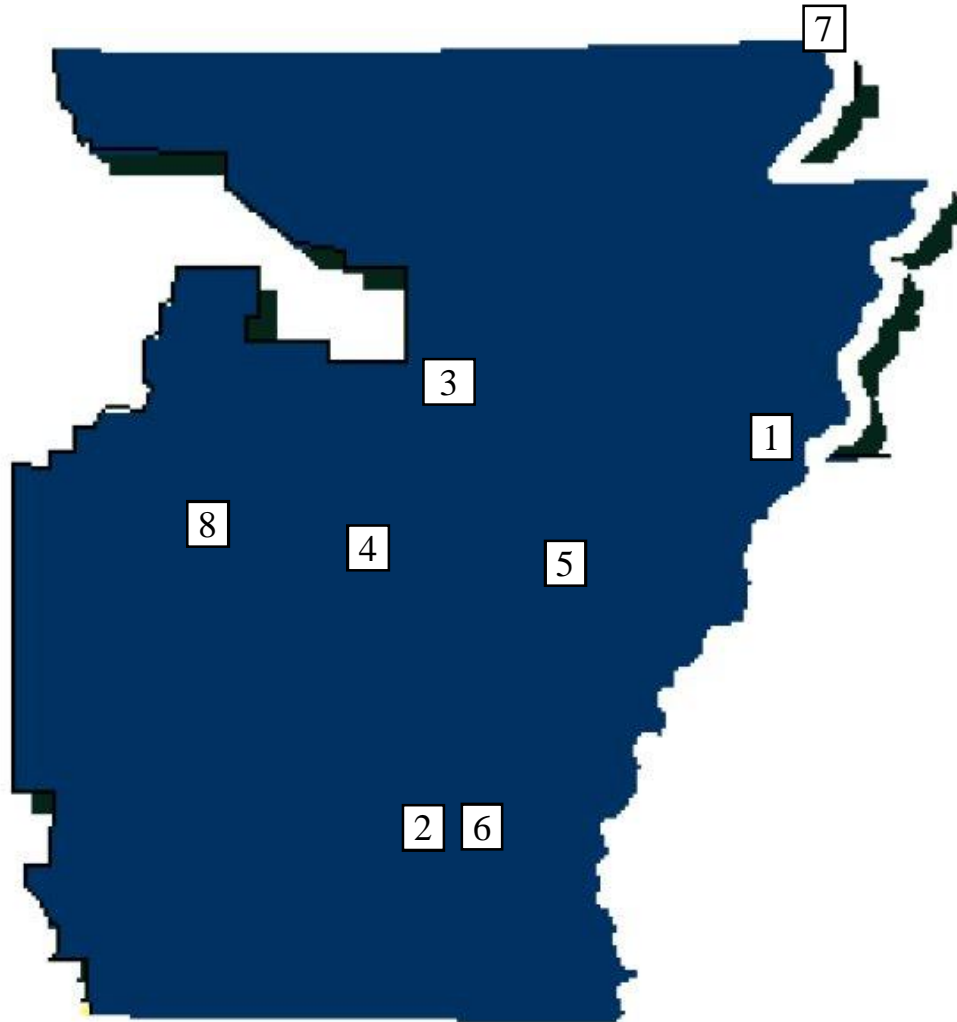
4) Benton North to Benton South:
New Line (Apr 2013)

5) Stuttgart Ricusky: Expand
Capacitor Bank
(Jun 2013)

6) Monticello East: Add 21.6
MVAR Capacitor Bank
(May 2013)

7) Jim Hill to St. Francis:
Upgrade terminal
equipment at Jim Hill
(Oct 2012)

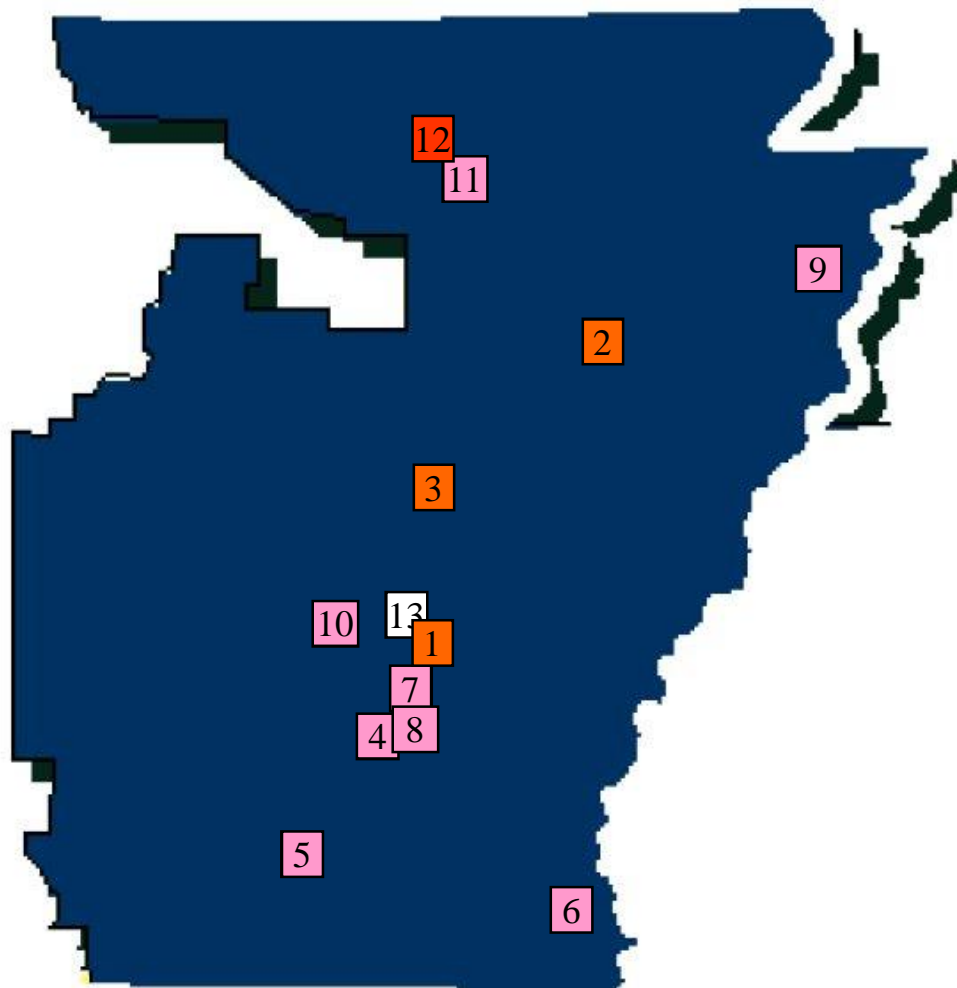
8) Hot Springs EHV Substation:
Replace two 115 kV
autotransformer
breakers (June 2013)



2014-2018 EAI Draft Construction Plan Update 1 Projects

- 1) Hot Springs TSR:
White Bluff to Arsenal C
(2013W)
- 2) Hot Springs TSR:
Bailey to McCrory
(2014W)
- 3) NLR Westgate to NLR Levy:
Reconductor 115kV Line
(2013S)
- 4) Fordyce: Install Line Switch
(2014S)
- 5) Camden McGuire to Camden
North: New Line (2014S)

- 6) LV Bagby to Macon Lake:
New Line (2014S)
- 7) Woodward to PB West to PB
McCamant:
Reconductor Lines
(2014S)
- 8) Woodward to PB Watson
Chapel: Rebuild to
230kV (2014S)
- 9) **Osceola: Add 24MVAR
Capacitor Bank (2014S)**
- 10) South Central AR:
Congestion Improvement
(2014S)
- 11) Calico Rock to Melbourne:
Reconductor Line
(2014W)
- 12) Norfolk to Calico Rock:
Reconductor Line (2016S)
- 13) White Bluff: Reconfigure
500kV and Construct
230kV Ring Bus (2015S)



Red font denotes new projects not previously included in 2013 – 2017 Final Construction Plan Update 3



2014-2018 EAI Draft Construction Plan Update 1 Projects

14) PB Voltage Support Phase 2:
Woodward Construct
230kV Ring Bus and 230kV
Line to White Bluff (2015S)

15) Monticello E to Reed: New
Line (2015S)

16) HS Area: Upgrade Terminal
Equipment (2015S)

17) Hot Springs Milton to
Carpenter Dam: Construct
New Line (2015S)

18) AECC Hydro Station#2 to
Gillett: New 115kV Line
(2016S)

19) Woodward: Reconfigure
115kV Bus (2016S)

20) Mabelvale: Replace 500kV
Autos (2016S)

21) Beebe: Add 21.6MVAR Cap
Bank (2016S)

22) Macon Lake to Reed: New
Line (2017S)

23) Malvern South: Add
10.2MVAR Cap Bank
(2017S)

24) Mayflower: Reconfigure
500kV Bus (2017S)

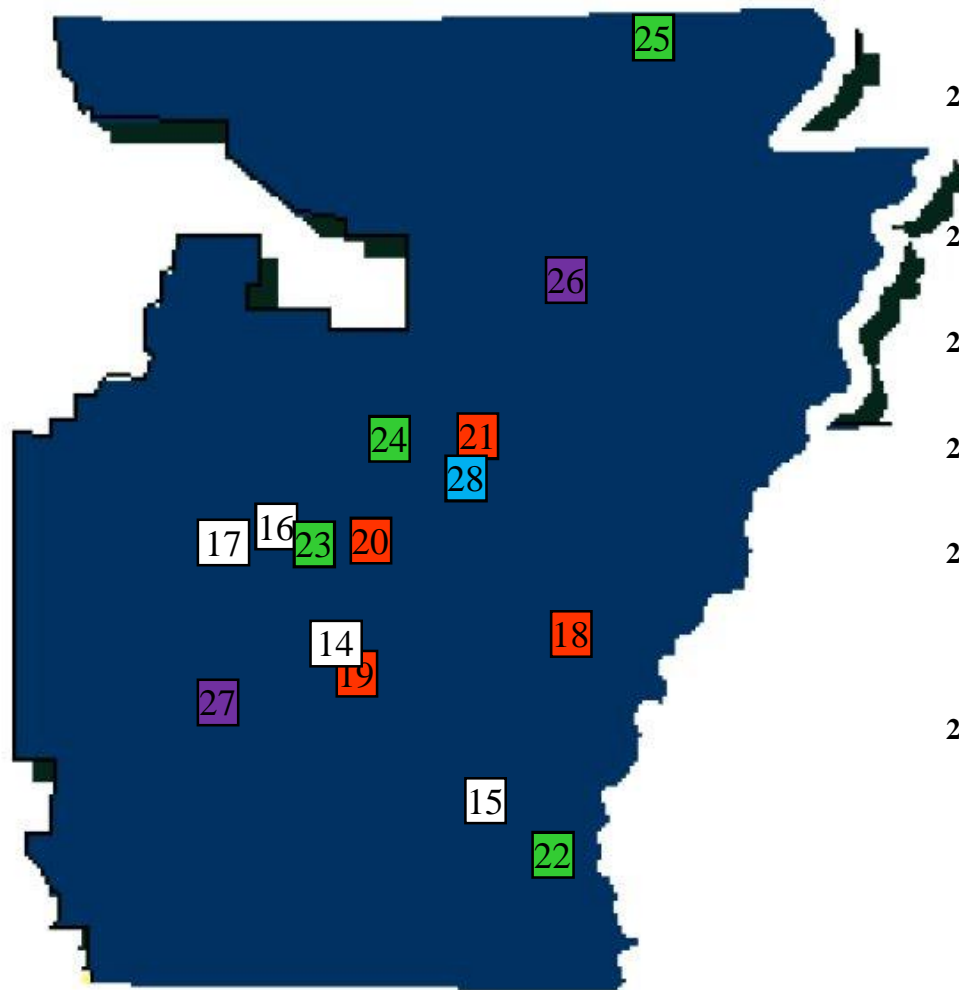
25) Doniphan to Datto: New
161kV Line (2017S)

26) ISES: Reconfigure 161kV
Bus (2018S)

27) Gum Springs: New 115kV
Station and New 115kV
Line to Amity Tap
(2018S)

28) **Holland Bottoms to Beebe:**
Build new 161kV line
(2019S)

Red font denotes new projects not
previously included
in 2013 – 2017 Final Construction
Plan Update 3

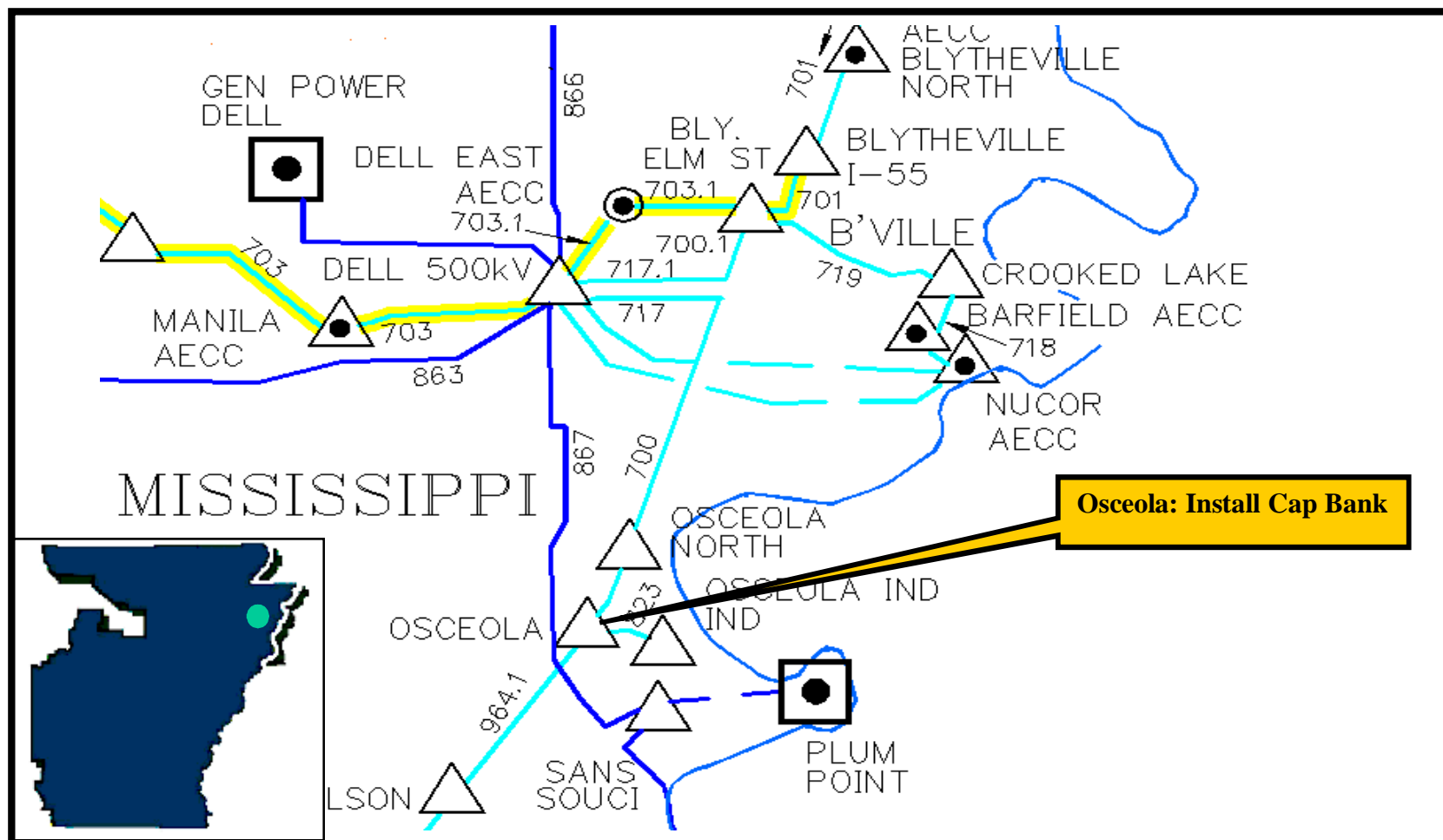


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Osceola: Install 24MVAR Capacitor Bank

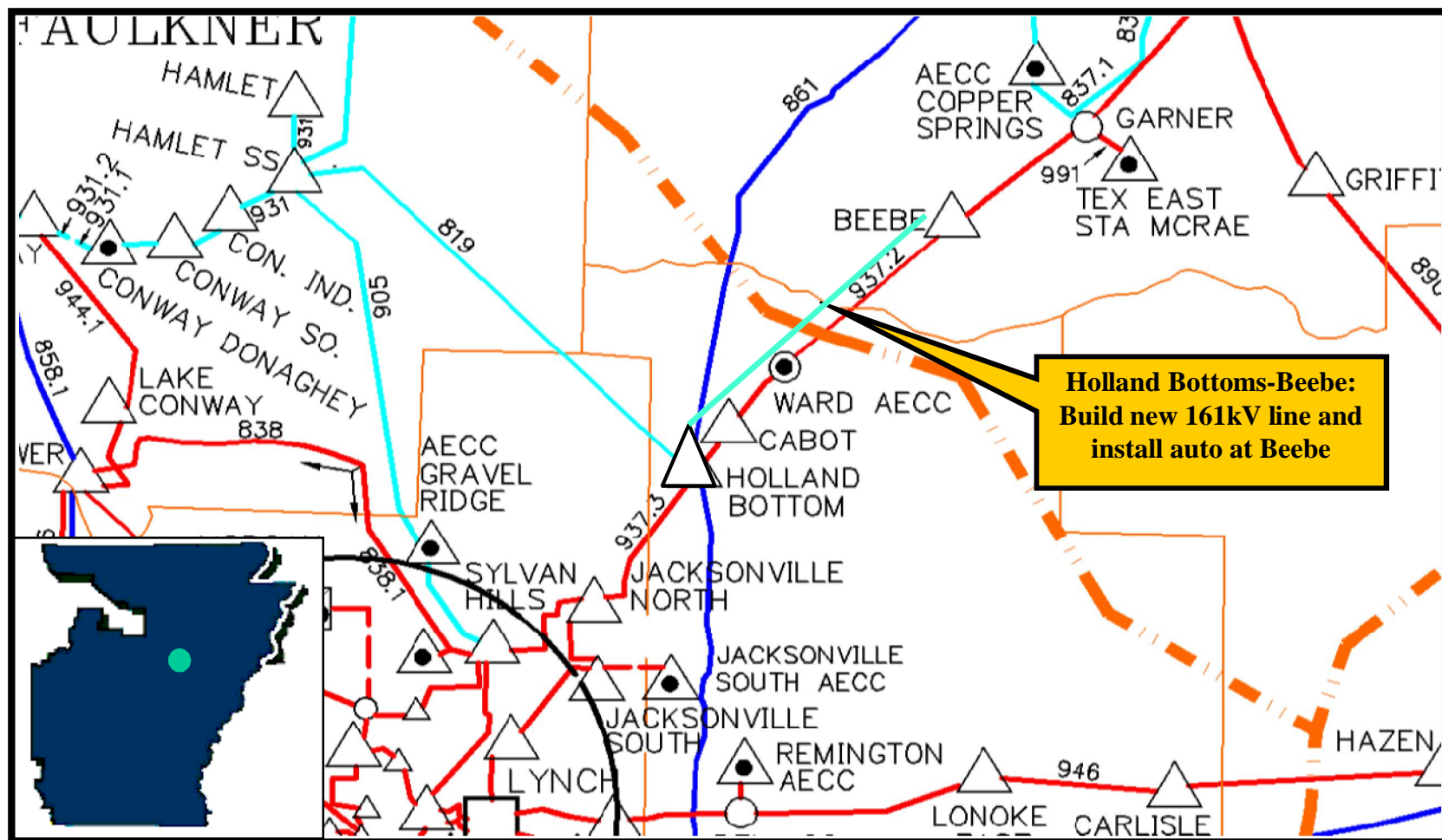
14-EAI-001-CP



Proposed In Service Date: **Summer 2014**

Holland Bottoms - Beebe: Build new 161kV line

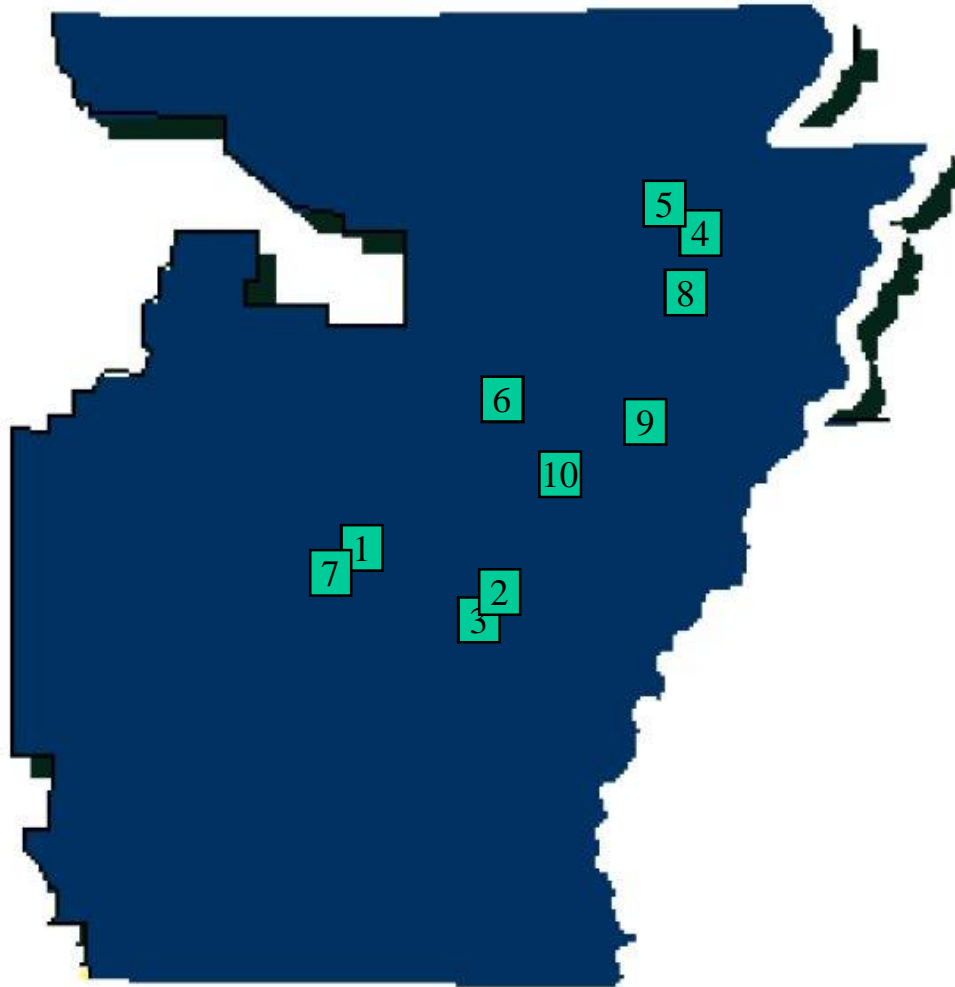
14-EAI-005-CP



Proposed In Service Date: **Summer 2019**

Transmission Horizon Projects

- 1) Mabelvale to Bryant: Rebuild 115kV Line (2020)
- 2) PB McCamant to PB East: Rebuild 115kV Line (2021)
- 3) PB Watson Chapel to PB South: Rebuild 115kV Line (2021)
- 4) Hergett: Add 36MVAR Capacitor Bank (2020)
- 5) Jonesboro to Jonesboro SPA: Re-conductor 161kV Line (2020)
- 6) Beebe to Garner: Build new 161kV Line (2021)
- 7) Bryant: Install 21.6MVAR Capacitor Bank (2021)
- 8) Trumann to Trumann West: Rebuild 161kV line (2021)
- 9) Wynne S: Install 24MVAR Capacitor Bank (2022)
- 10) Ulm: Add 21.4MVAR Capacitor Bank (2021)

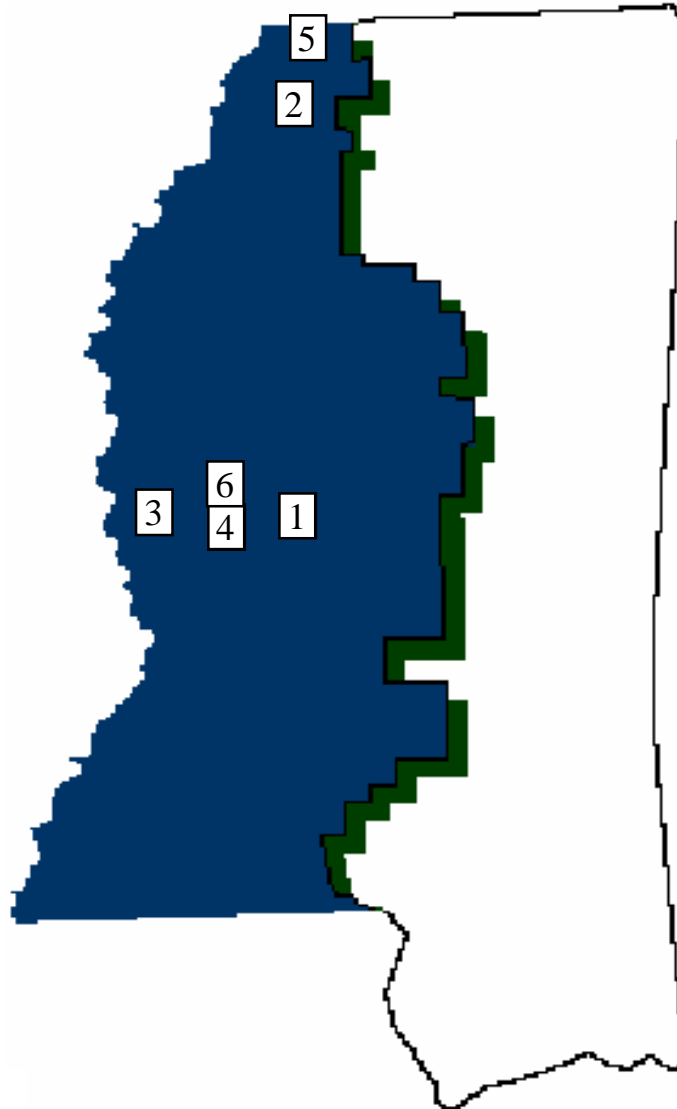


Entergy Mississippi, Inc. Transmission

2014 – 2018 Draft Construction Plan Projects

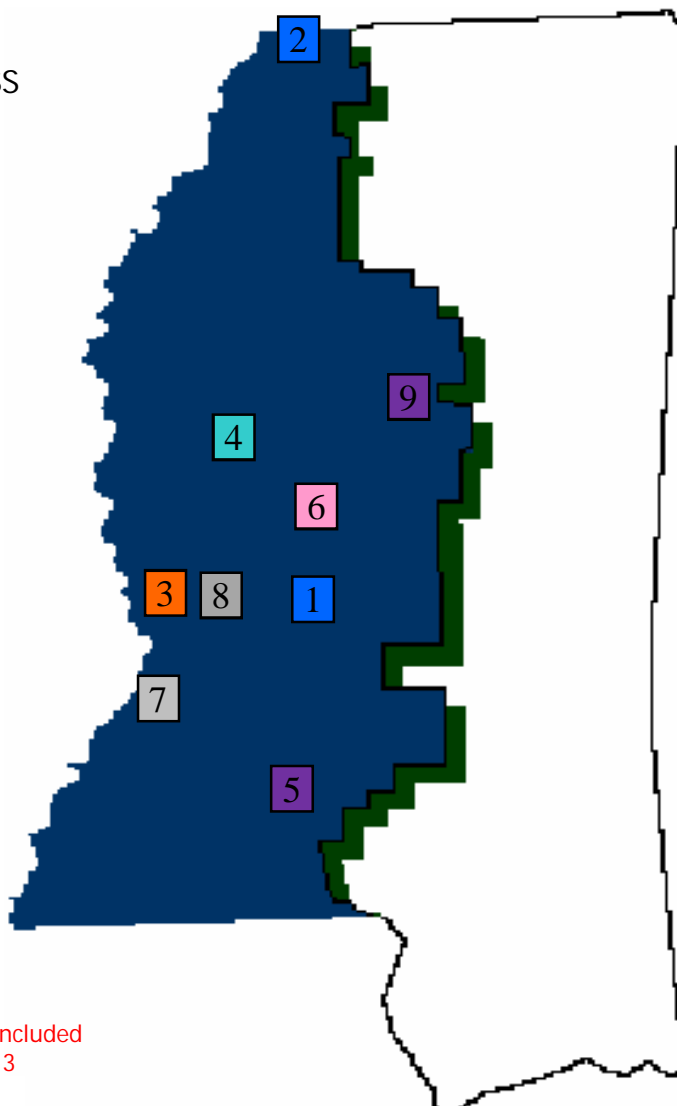
2014-2018 EMI Draft Construction Plan Update 1 Projects Projects Completed in the Fall of 2012 & 2013 to date

- 1) Ray Braswell to West Jackson
115kV : Upgrade Line
(Nov 2012)
- 2) Church Road to Getwell:
Construct 230kV line
(May 2013)
- 3) Vicksburg to Baxter Wilson
line 141: Upgrade CTs at
Vicksburg (Jun 2013)
- 4) Add 115kV breakers at Bolton
(Mar 2013)
- 5) SMEPA Transmission Service:
Upgrade Terminal equipment
at Horn Lake 115kV
(Apr 2013)
- 6) Ray Braswell to Spring Ridge
Road 115 kV line upgrade
(May 2013)



2014-2018 Draft EMI Construction Plan Update 1 Projects

- 1) Ray Braswell to Wynndale:
Construct 115 kV Line and SS
(2013 Summer)
- 2) Upgrade switches on Horn
Lake-Greenbrook 115kV
(2013 Summer)
- 3) Baxter Wilson to SE
Vicksburg 115kV: Upgrade
line (2015 Summer)
- 4) Hollandale and Belzoni:
Install breakers
(2019 Summer)
- 5) Franklin – McComb 115kV:
Construct New Line
(2020 Summer)
- 6) **Bozeman Rd-Tinnin Rd
230kV: Construct New
Line (2017 Summer)**



- 7) **Baxter Wilson-Natchez
SES 115kV: Construct
New Line (2018 Summer)**
- 8) **Vicksburg 115kV Area
Improvements: Build new
115kV switching station
and rebuild E. Vicksburg-
Ray Braswell 115kV
(2018 Summer)**
- 9) **McAdams: Add 3rd 500-
230 kV Autotransformer
(2020 Summer)**

Red font denotes new projects not previously included
in 2013 – 2017 Final Construction Plan Update 3

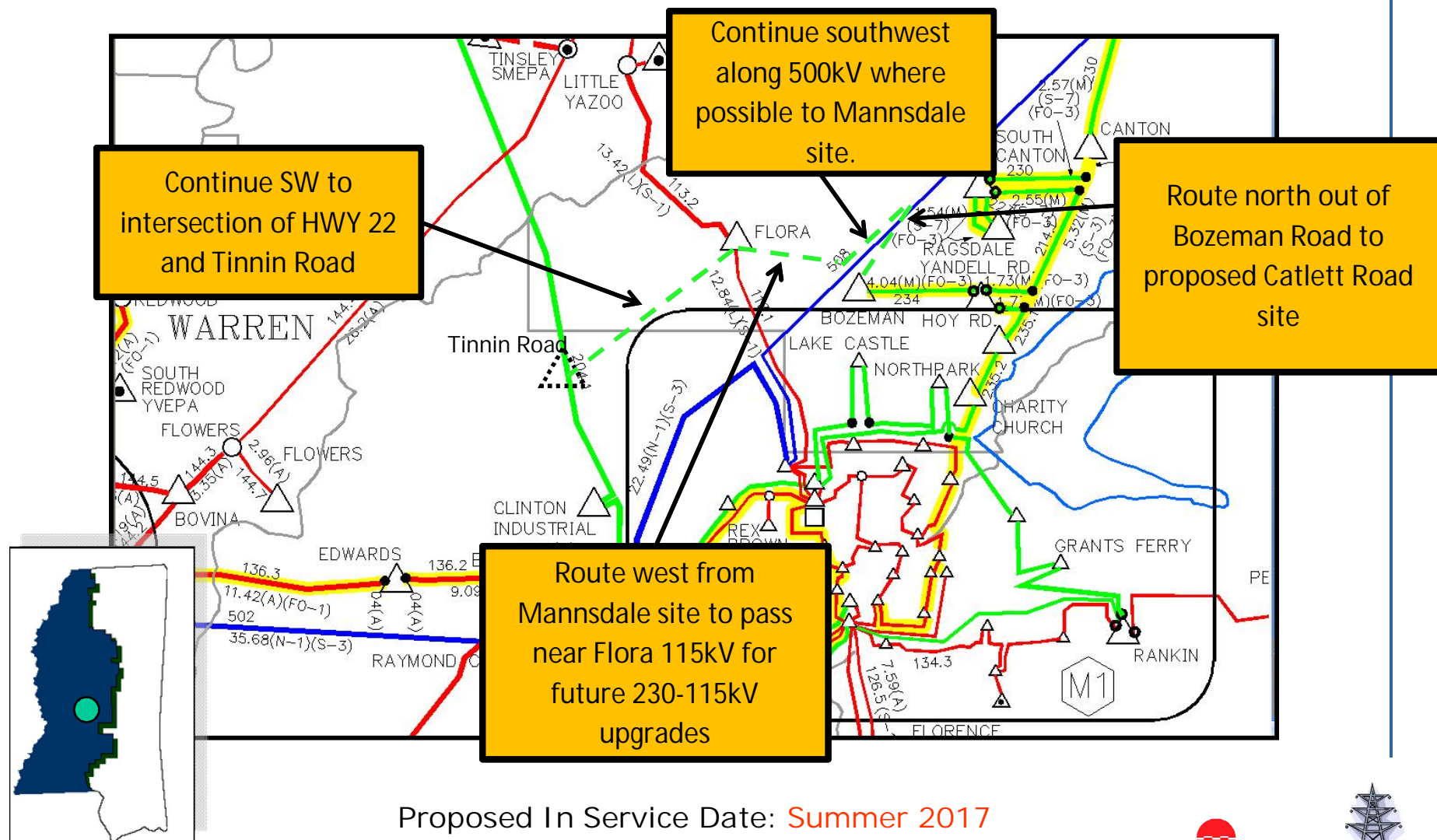


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Madison County Voltage Improvement Project: Construct NEW 230kV from Bozeman Rd to Tinnin Rd

14-EMI-002-CP

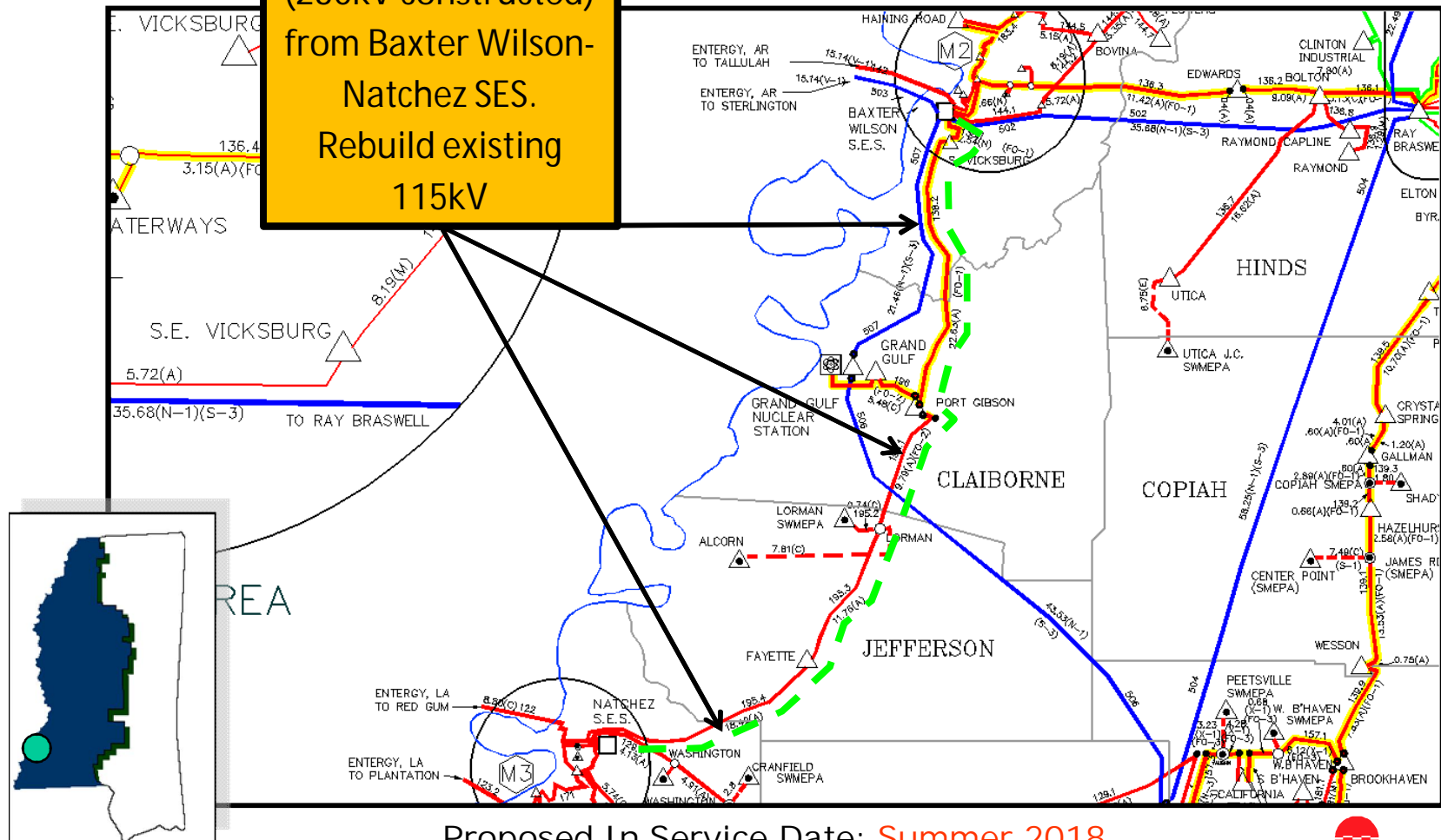


Proposed In Service Date: Summer 2017

SES

EMI-003-CP

Build new 115kV
(230kV constructed)
from Baxter Wilson-
Natchez SES.
Rebuild existing
115kV

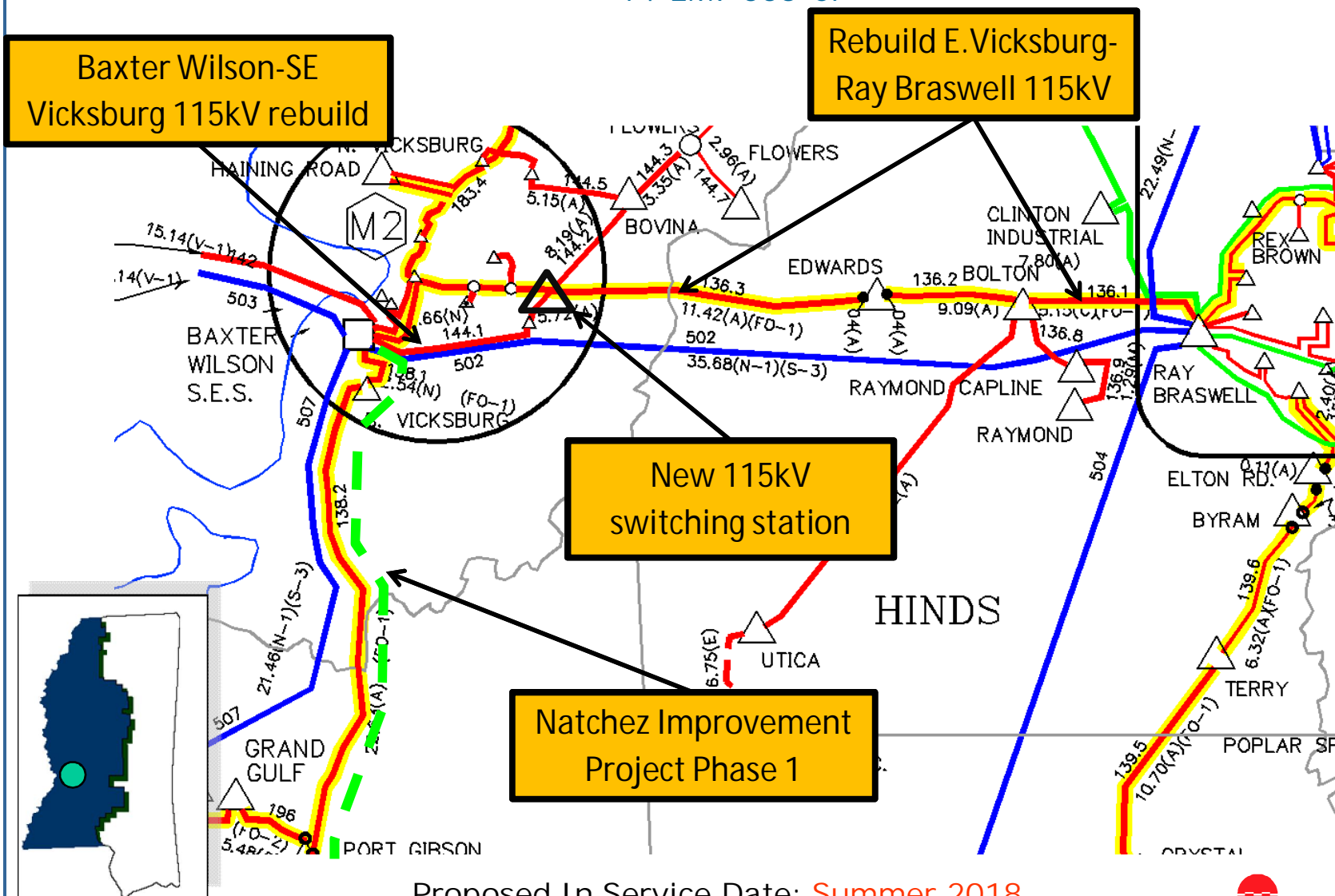


Proposed In Service Date: Summer 2018



Vicksburg Area 115kV Improvements

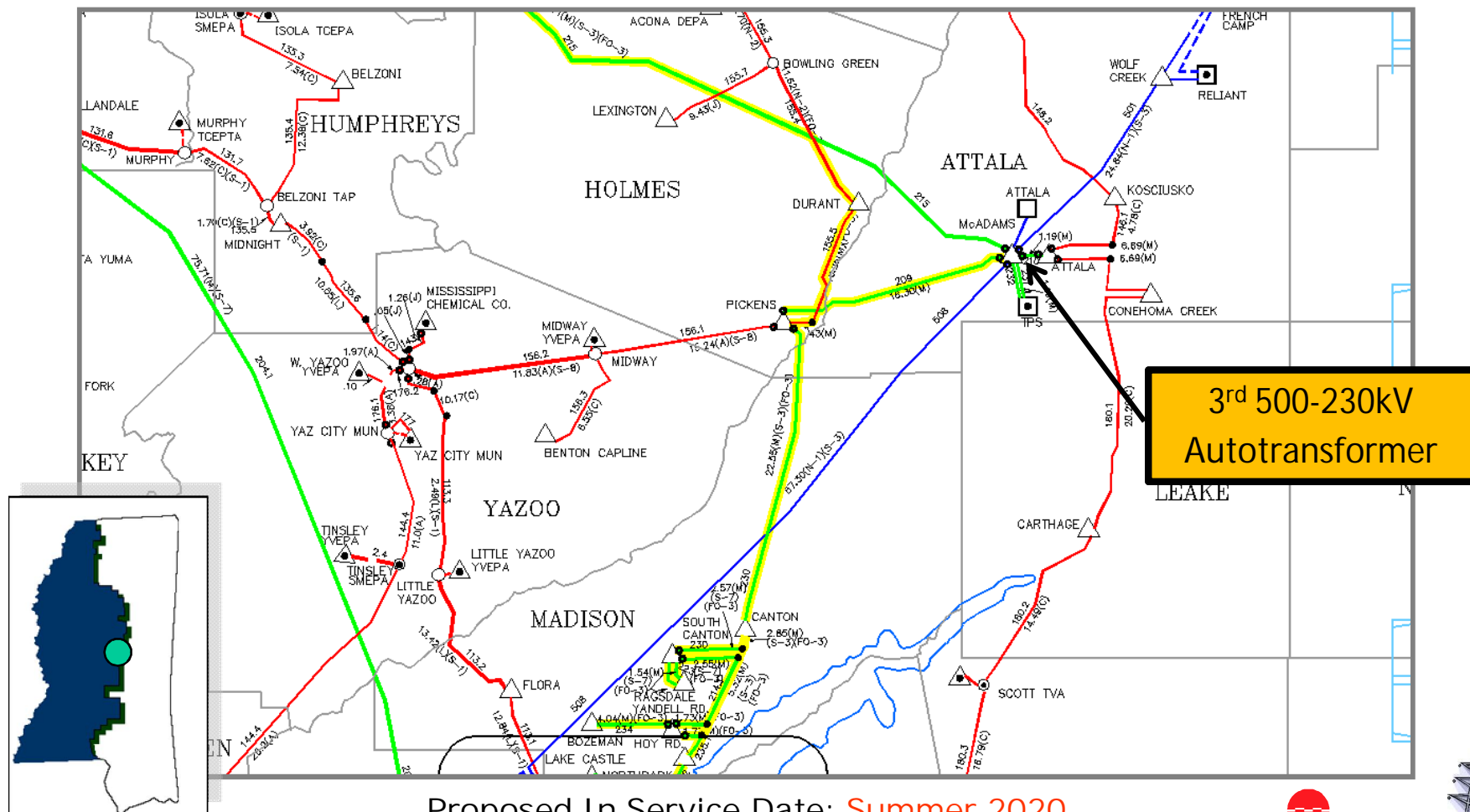
14-EMI-005-CP



Proposed In Service Date: Summer 2018

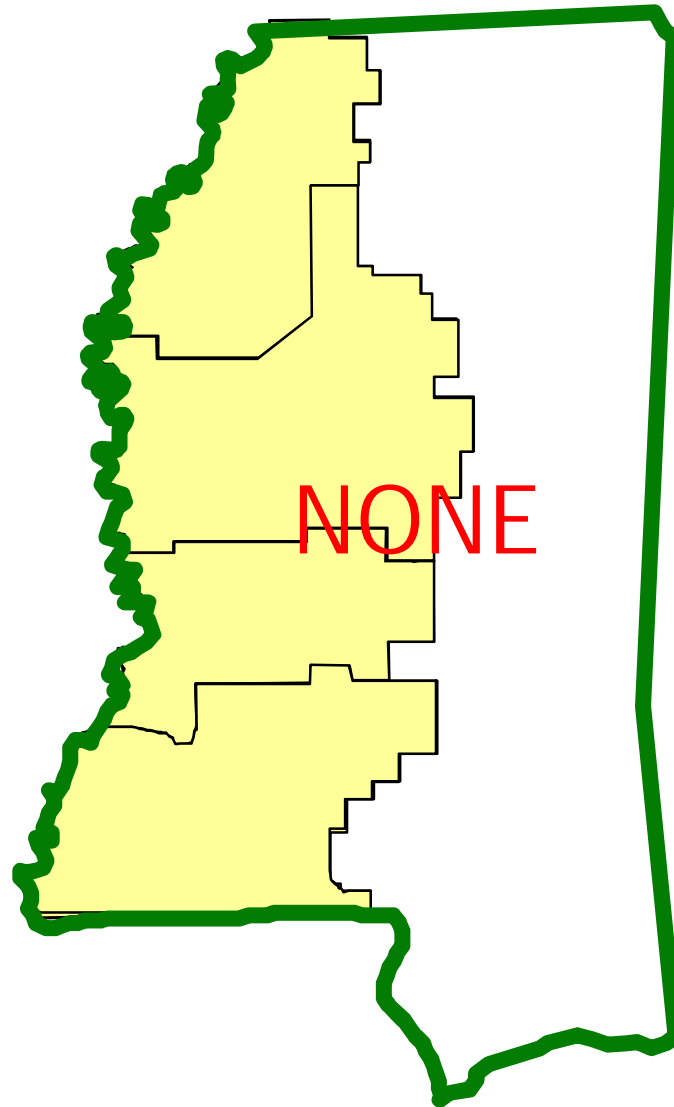
McAdams: Add 3rd 500-230kV Autotransformer

14-EMI-004-CP



Proposed In Service Date: Summer 2020

EMI Transmission System Horizon Projects



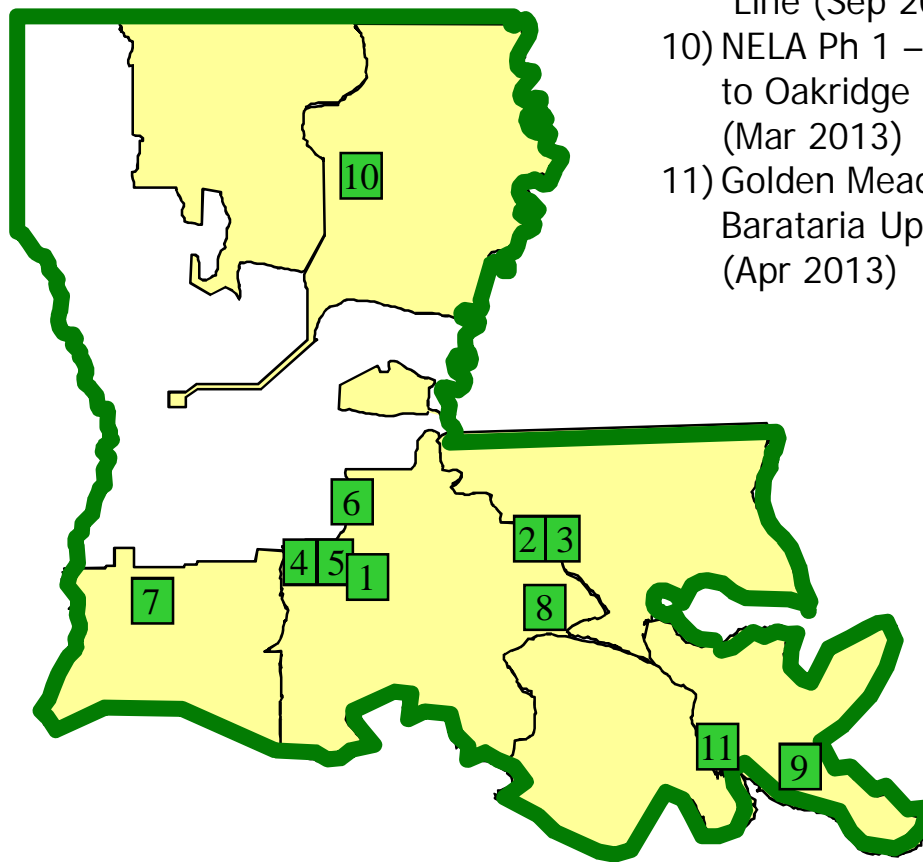
Louisiana

ELL-N, ELL-S, ENOI, EGSL

2014-2018 Louisiana Draft Construction Plan Update 1 Projects Completed in the Fall of 2012 & 2013 to date

- 1) Bloomfield to Bosco 138 kV line – Construct new line (Dec 2012)
- 2) Francis – Add 69 kV Capacitor Bank (Mar 2013)
- 3) Fireco to Copol – 69 kV Line Upgrade (Dec 2012)
- 4) Acadia Generation – Moril to Hopkins 138 kV line Upgrade (Oct 2012)
- 5) Acadia Generation – Breaker Upgrade at Scott 18220 (Oct 2012)
- 6) Champagne to Plaisance 138kV – Upgrade Equipment (Dec 2012)
- 7) Lake Charles Bulk Substation - Replace Station Equipment (Jan 2013)
- 8) Copol to Bourbeaux – Upgrade 69 kV Line (Apr 2013)

- 9) SELA Ph 2 - New Peters Road to Oakville 230 kV Line (Sep 2012)
- 10) NELA Ph 1 – New Swartz to Oakridge 115 kV line (Mar 2013)
- 11) Golden Meadow to Barataria Upgrade switch (Apr 2013)

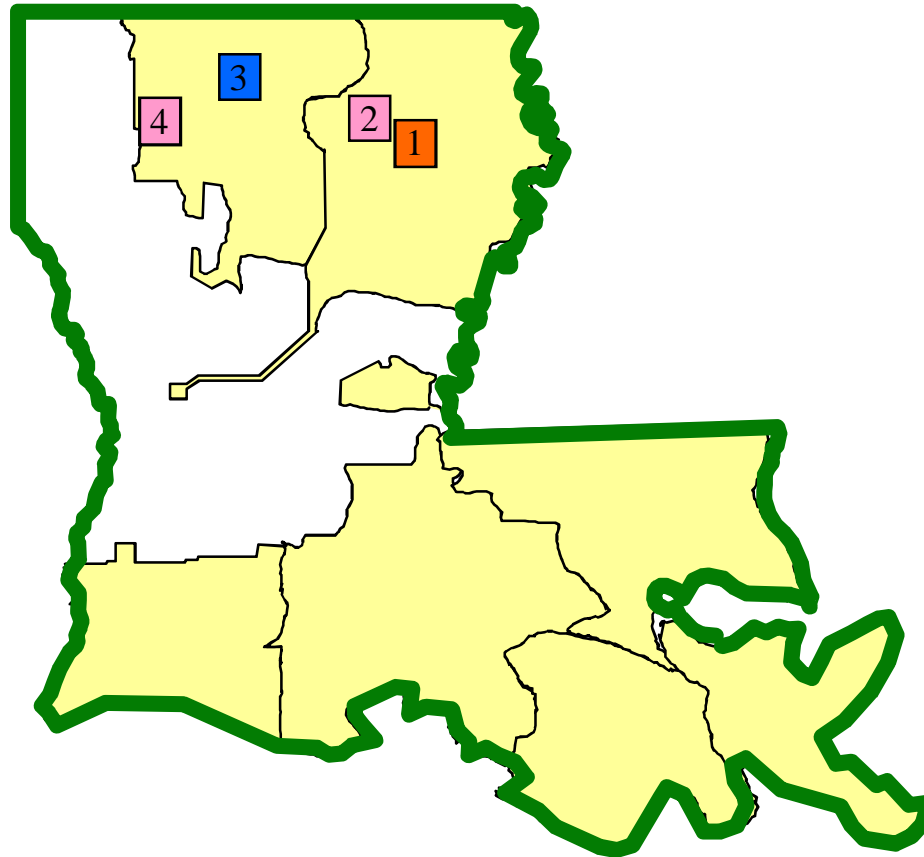


Entergy Louisiana, LLC

North

2014 – 2018 ELL-N Draft Construction Plan Update 1 Projects

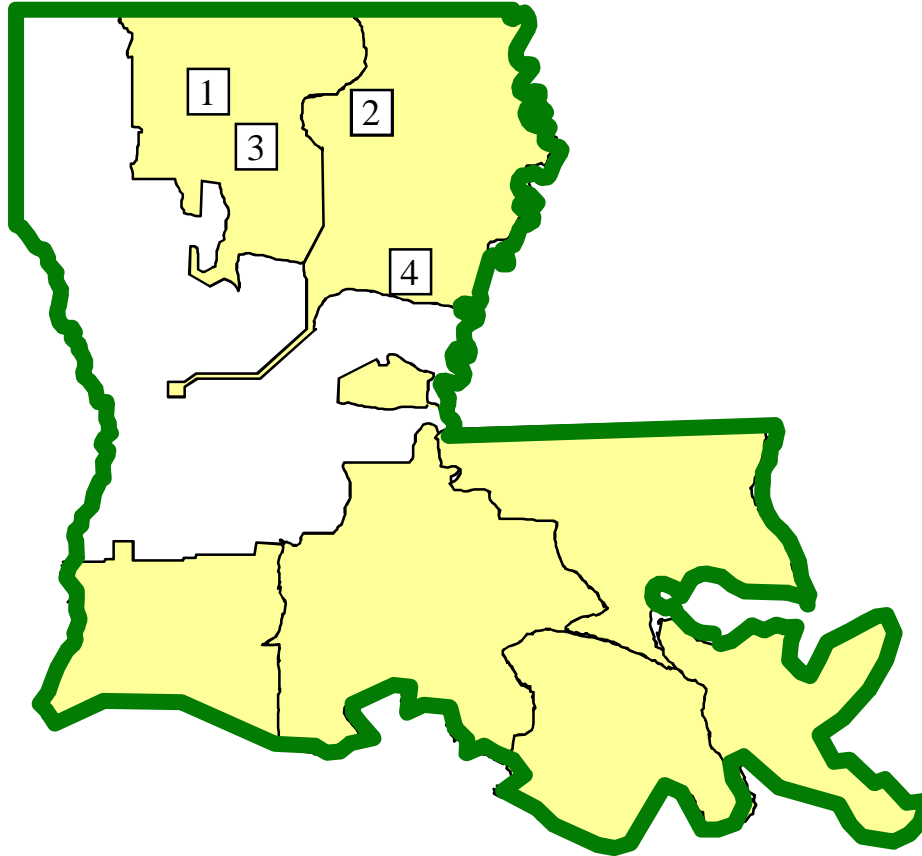
- 1) NE Louisiana Improvement Project: Phase 2
- 2) NE Louisiana Improvement Project: Phase 3
- 3) Add shunt reactor at Mount Olive 500kV
- 4) Add 30.5MVAR capacitor bank at Minden Bulk REA 115kV



•2013 ISD •2014 ISD •2015 ISD

2014 – 2018 Draft Construction Plan Update 1 Horizon Projects ELL-N

- 1) Mt. Olive to Arcadia
Construct new 230
kV line (operate
115 kV) (2020S)
- 2) Sterlington to
Walnut Grove 115
kV – Upgrade
terminal equipment
(2020S)
- 3) Vienna to Ruston
Frazier – Upgrade
Metering CT (2020S)
- 4) NELA Ph. 4 –
Construct new
Sacksonia to
Winnsboro 230 kV
line (operate 115
kV) (2021S)

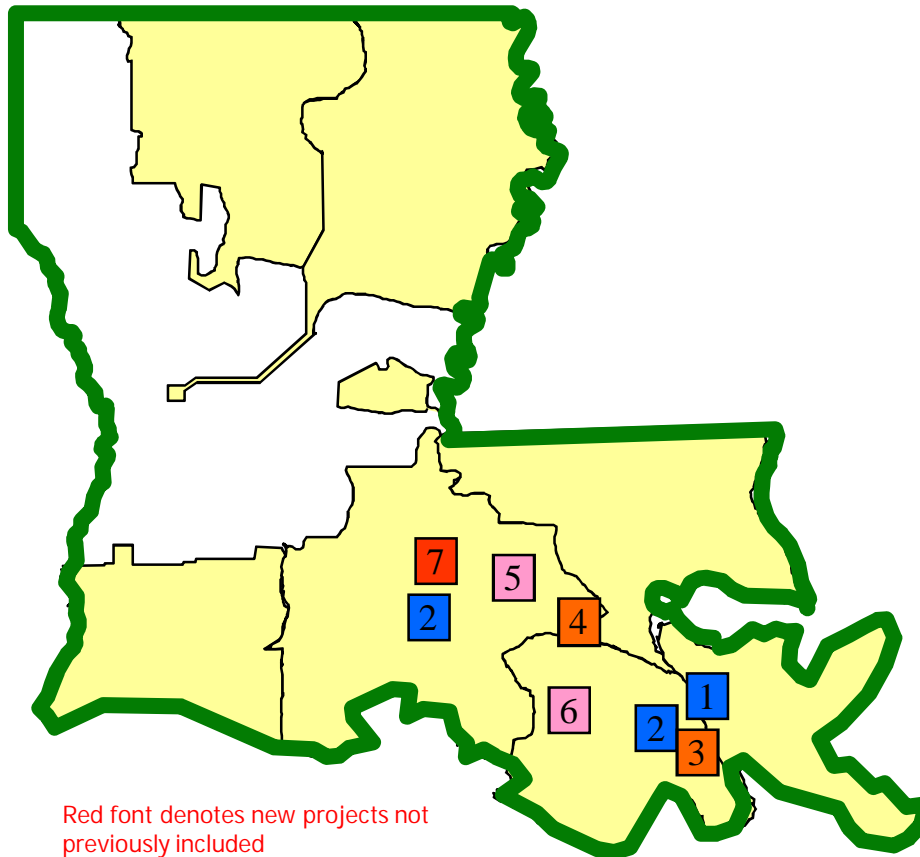


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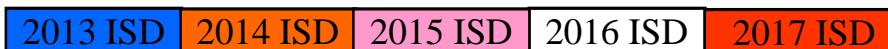
South

2013 - 2017 Draft Construction Plan Projects – South Louisiana

- 1) Southeast LA Coastal Improvement Plan: Phase 3 (Routing issues will result in potential delay to Spring 2015)
- 2) McCall 115 kV Substation – Add Capacitor Bank (Fall 2013)
- 3) Golden Meadow to Leeville: Rebuild/relocate 115 kV Line (Spring 2014)
- 4) Ninemile 6 – Modify Switchyard, Upgrade Michoud 69 kV breaker, Upgrade 230 kV Southport line 1, and Upgrade 230 kV Southport line 2 (Winter 2014)
- 5) Iron Man to Tezcucu 230 kV – Construct new line (Summer 2015)
- 6) Valentine to Clovelly 115 kV Upgrade (Summer 2015)
- 7) **Norco 115 kV Substation – Add Capacitor Bank (Summer 2017)**



Red font denotes new projects not previously included in 2013 – 2017 Final Construction Plan Update 3

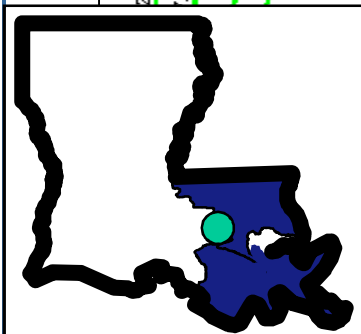
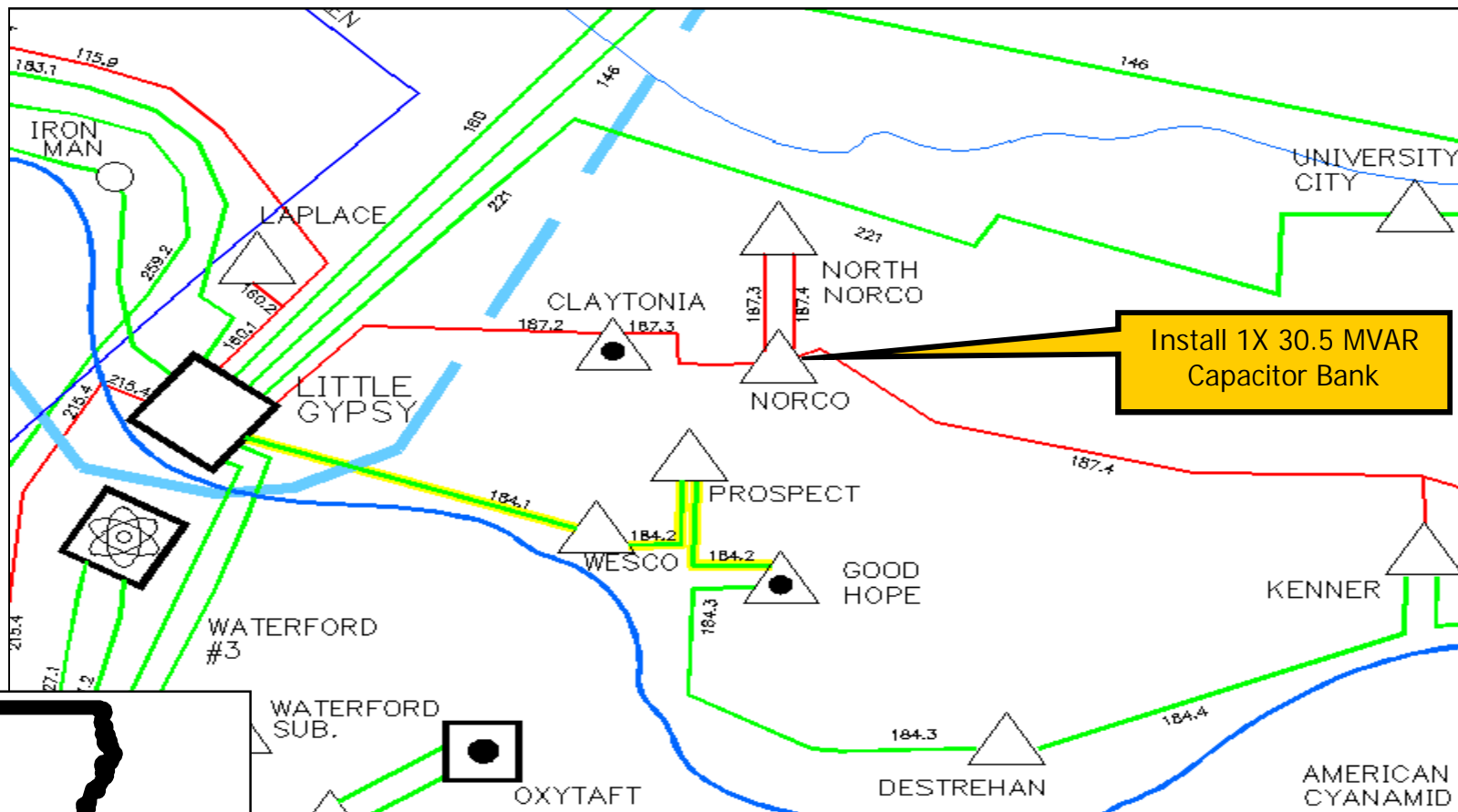


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Norco 115 kV Substation – Add Capacitor Bank

14CP-ELL-001

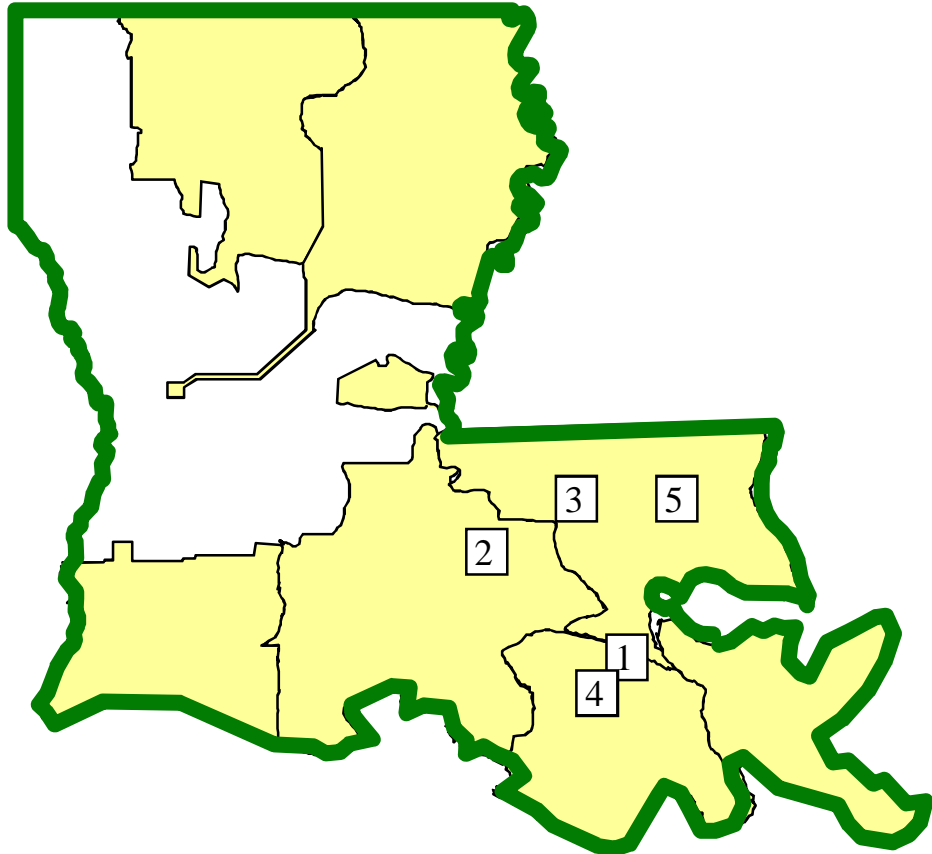


Proposed ISD: Summer 2017



2014 – 2018 Draft Construction Plan Update 1 Horizon Projects ELL-S

1. Ninemile to Westwego 115 kV :
Reconductor line (2020S)
2. Bayou Verret 230 kV Substation:
Add Capacitor Bank (2020S)
3. Amite 230/115 kV Auto
Transformer: Change tap to 224.25
(2020W)
4. Ninemile to Harvey2 115 kV :
Reconductor line and station
limiting elements (2022S)
5. Ramsay 230 kV Substation: Add
Capacitor Bank (2023W)



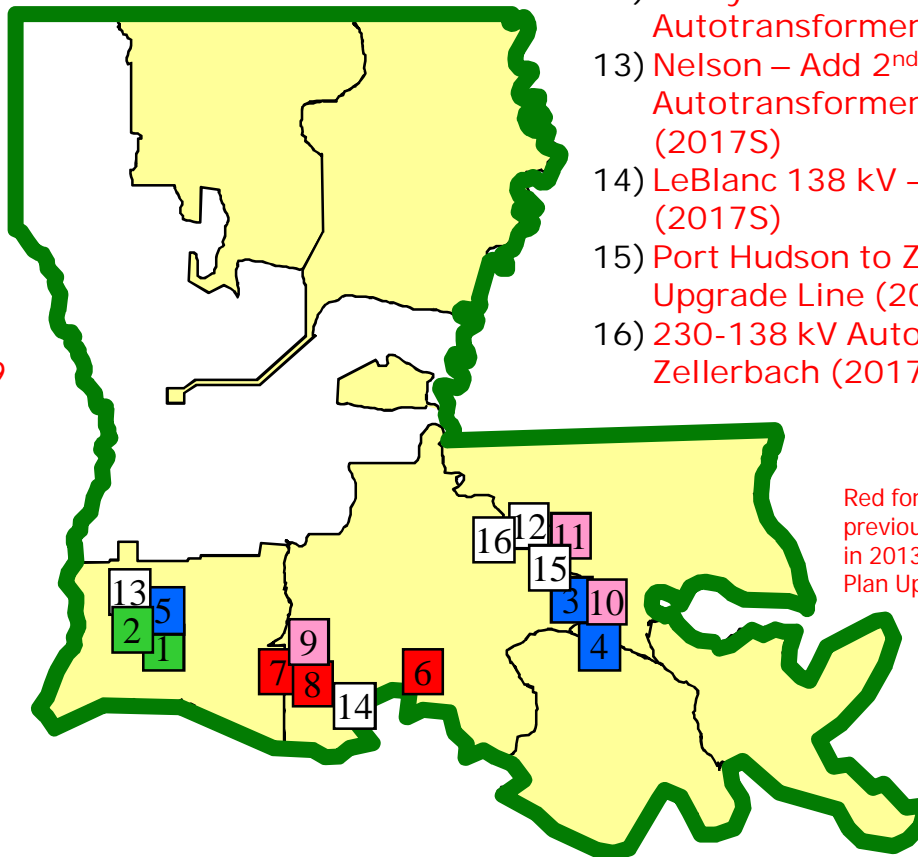
Entergy Gulf States Louisiana, L.L.C.

2014 – 2018 Draft Construction Plan Update 1 – Projects

2014 – 2018 EGSL Draft Construction Plan Update 1 Projects

- 1) Mossville – Cut-in Nelson to Carlyss into Mossville (2013S)
- 2) Mossville to Canal – Phase 1 – Upgrade 69 kV Line (2013 W)
- 3) Willow Glen to Conway – Construct new 230 kV line (2014 Spring)
- 4) Sorrento Upgrade 138-115 kV Auto and upgrade Gonzales – Sorrento 138 kV Line (2014S)
- 5) Mossville to Canal – Phase 2 – Upgrade 69 kV Line (2014W)
- 6) **New Iberia – Add 138-69 kV Autotransformer (2015 S)**
- 7) **Lake Arthur 69 kV – Move Normally Open Point (2015S)**
- 8) **Longfellow to Cade Switch – Move Normally Open Point (2015S)**
- 9) **Moril to Delcambre 138 kV Line – Upgrade Station Equipment (2016S)**

- 10) **Willow Glen – Upgrade 500-230 kV Autotransformer (2016S)**
- 11) **McManus to Brady Heights – Upgrade 69 kV line (2016W)**
- 12) **Fancy Point – Add 2nd 500-230 kV Autotransformer (2017S)**
- 13) **Nelson – Add 2nd 500-230 kV Autotransformer from Willow Glen (2017S)**
- 14) **LeBlanc 138 kV – New Cap Bank #1 (2017S)**
- 15) **Port Hudson to Zachary REA 69 kV – Upgrade Line (2017S)**
- 16) **230-138 kV Auto near Crown Zellerbach (2017S)**



Red font denotes new projects not previously included in 2013 – 2017 Final Construction Plan Update 3

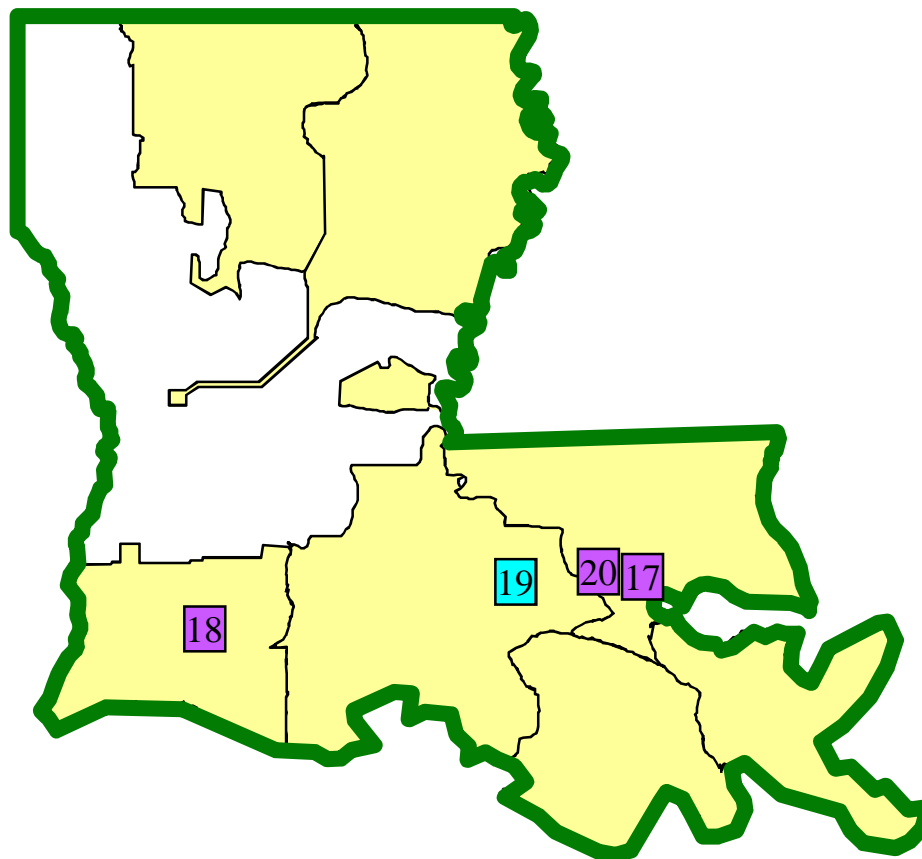


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2014 – 2018 EGSL Draft Construction Plan Update 1 Projects

- 17) Five Points to Line Tap
281 to line 247 Tap -
Upgrade 69 kV line
(2019S)
- 18) Chlomal to Lacassine
69 kV – Upgrade Line
(2019W)
- 19) Flannery Area – Add
230-69 kV Auto and
Reconfigure 69 kV
Lines (2020S)
- 20) Port Hudson Sub –
Upgrade 138-69 kV
Autos (2019S)



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Plan Update 3



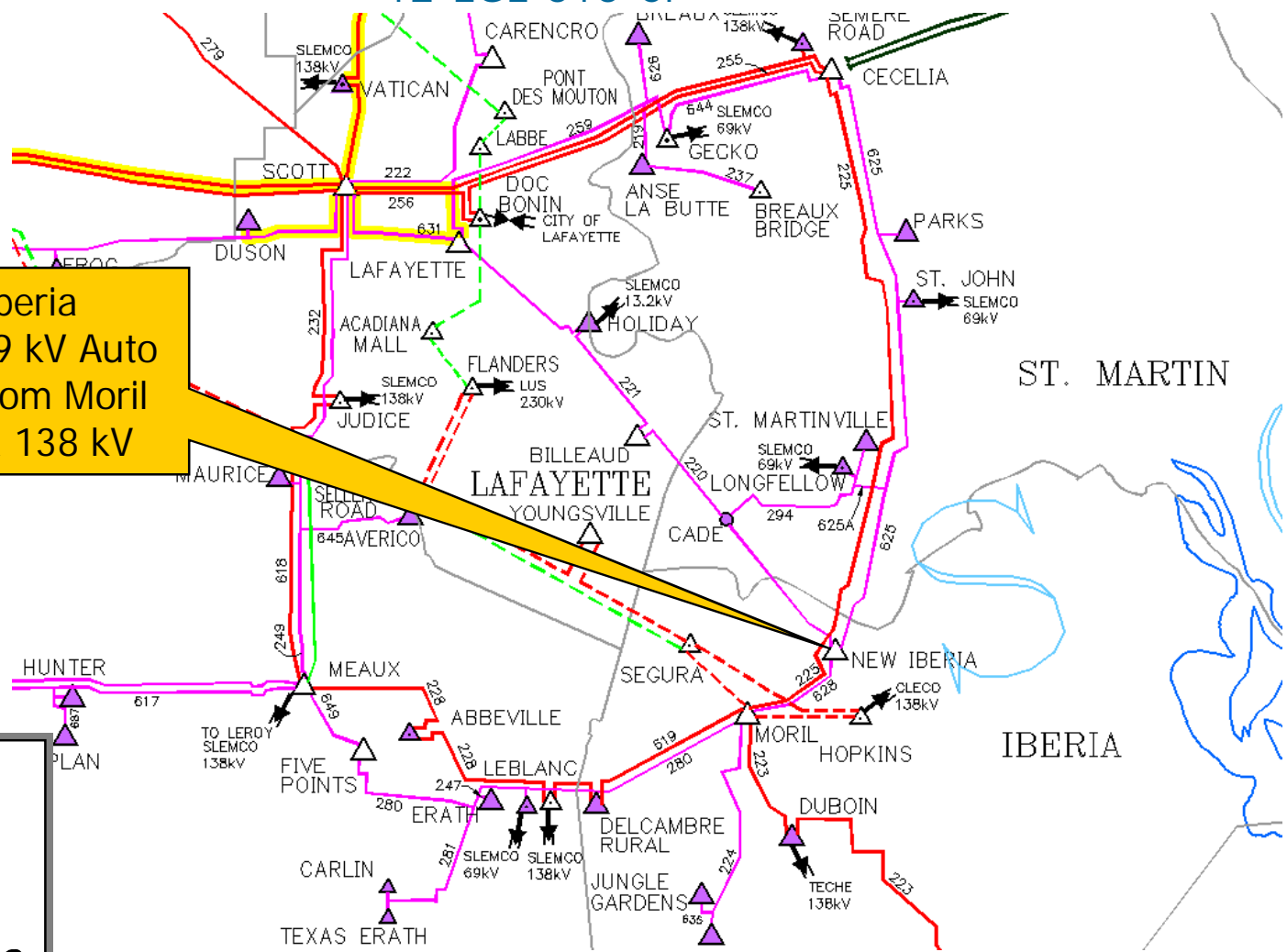
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New Iberia – Add 138-69 kV Autotransformer

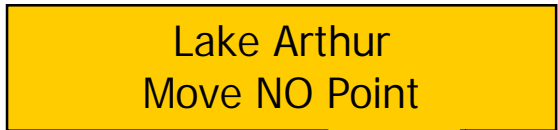
12-EGL-010-CP

New Iberia
Add 138-69 kV Auto
Sourced from Moril
to Cecelia 138 kV



Proposed ISD: Summer 2015

13-EGL-002-CP

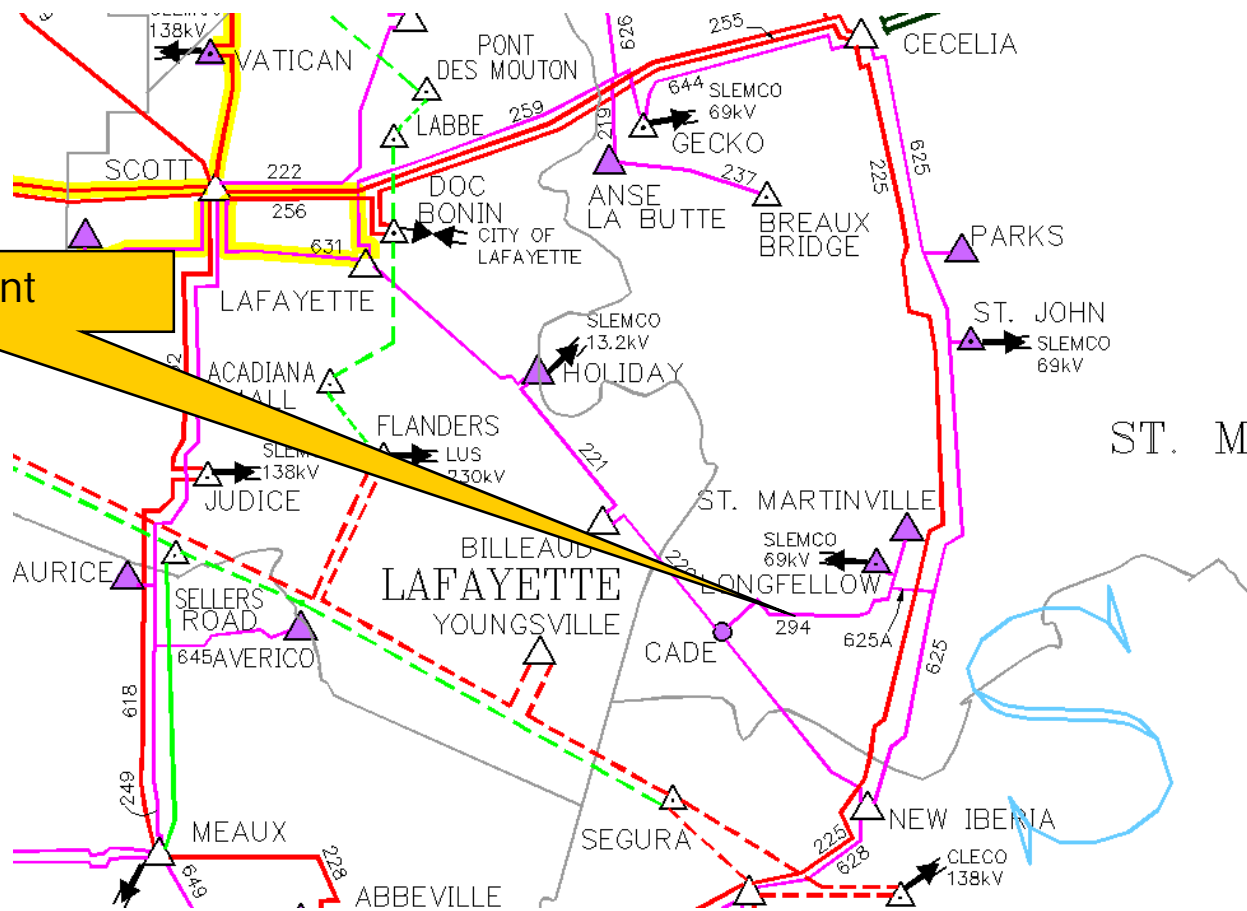


Proposed ISD: Summer 2015



Longfellow to Cade Switch 69 kV – Move Normally Open Point

14-EGL-001-CP



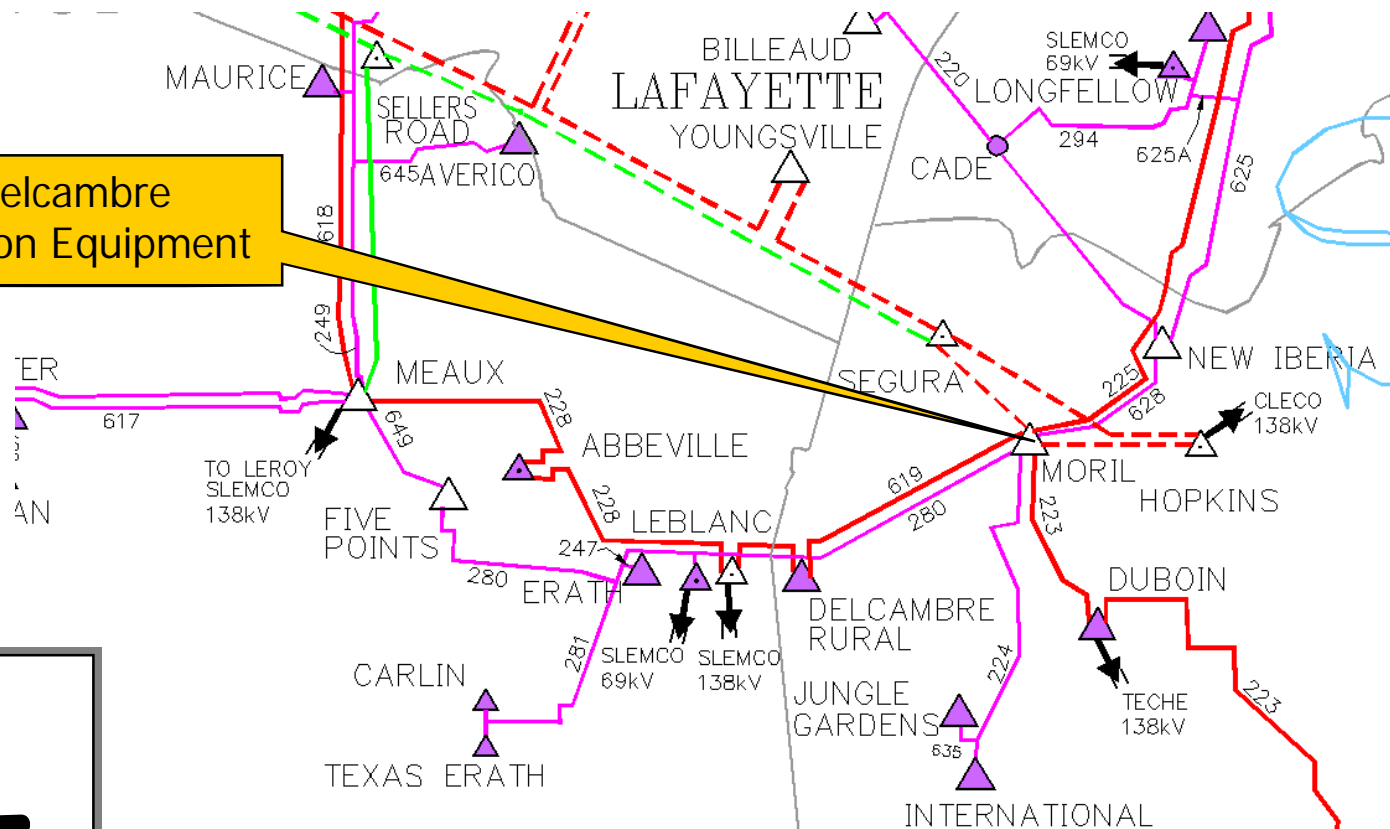
Proposed ISD: Summer 2015



Moril to Delcambre 138 kV Line – Upgrade Station Equipment

11-EGL-007-CP

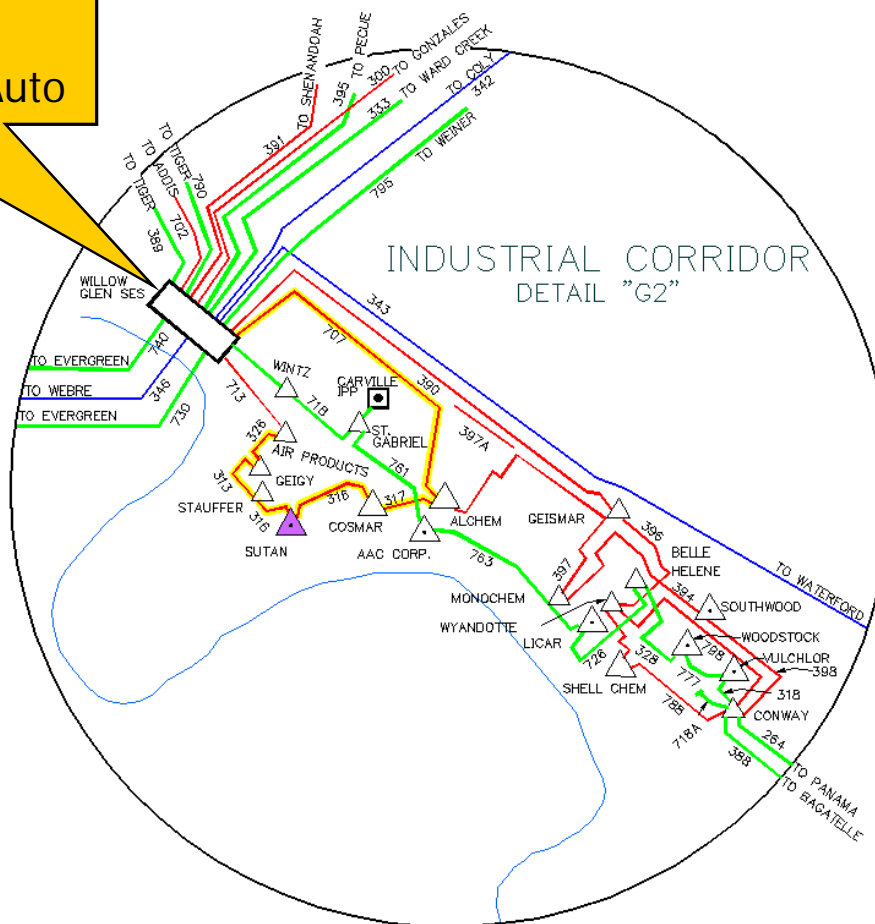
Moril to Delcambre
Upgrade Station Equipment



Proposed ISD: Summer 2016

Willow Glen – Upgrade 500-230 kV Autotransformer 14-EGL-003-CP

Willow Glen
Upgrade 500-230 kV Auto



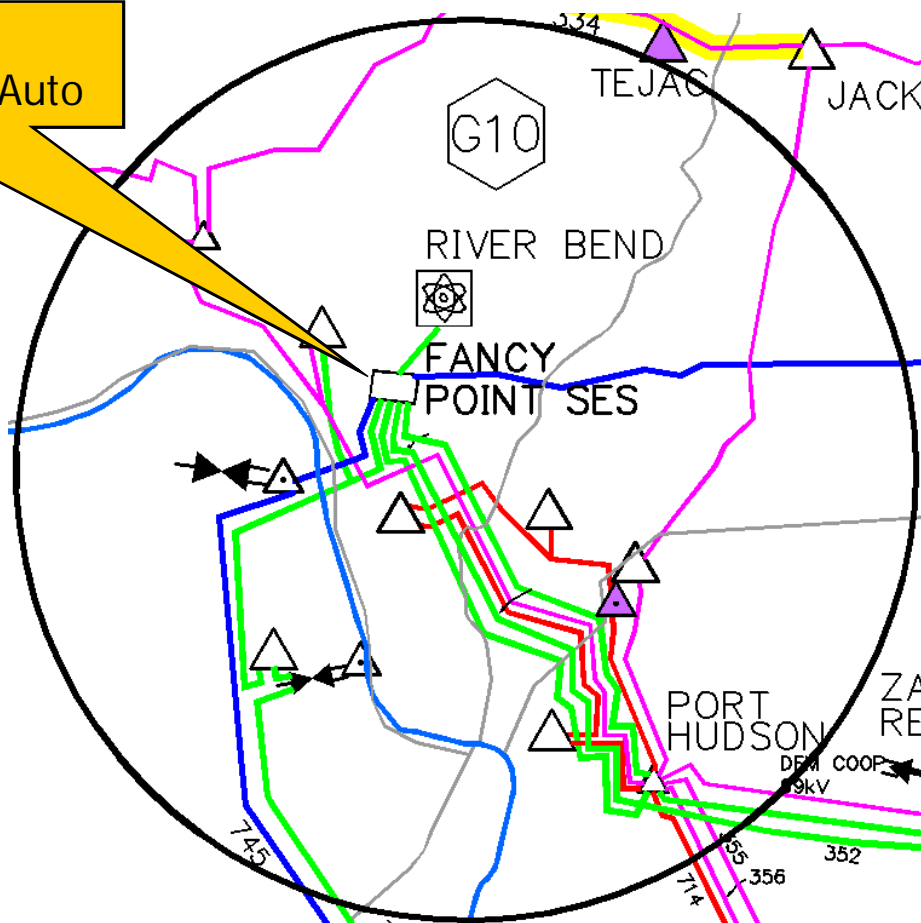
Proposed ISD: Summer 2016



Fancy Point – Add 2nd 500-230 kV Autotransformer

14-EGL-004-CP

Fancy Point
Add 2nd 500-230 kV Auto

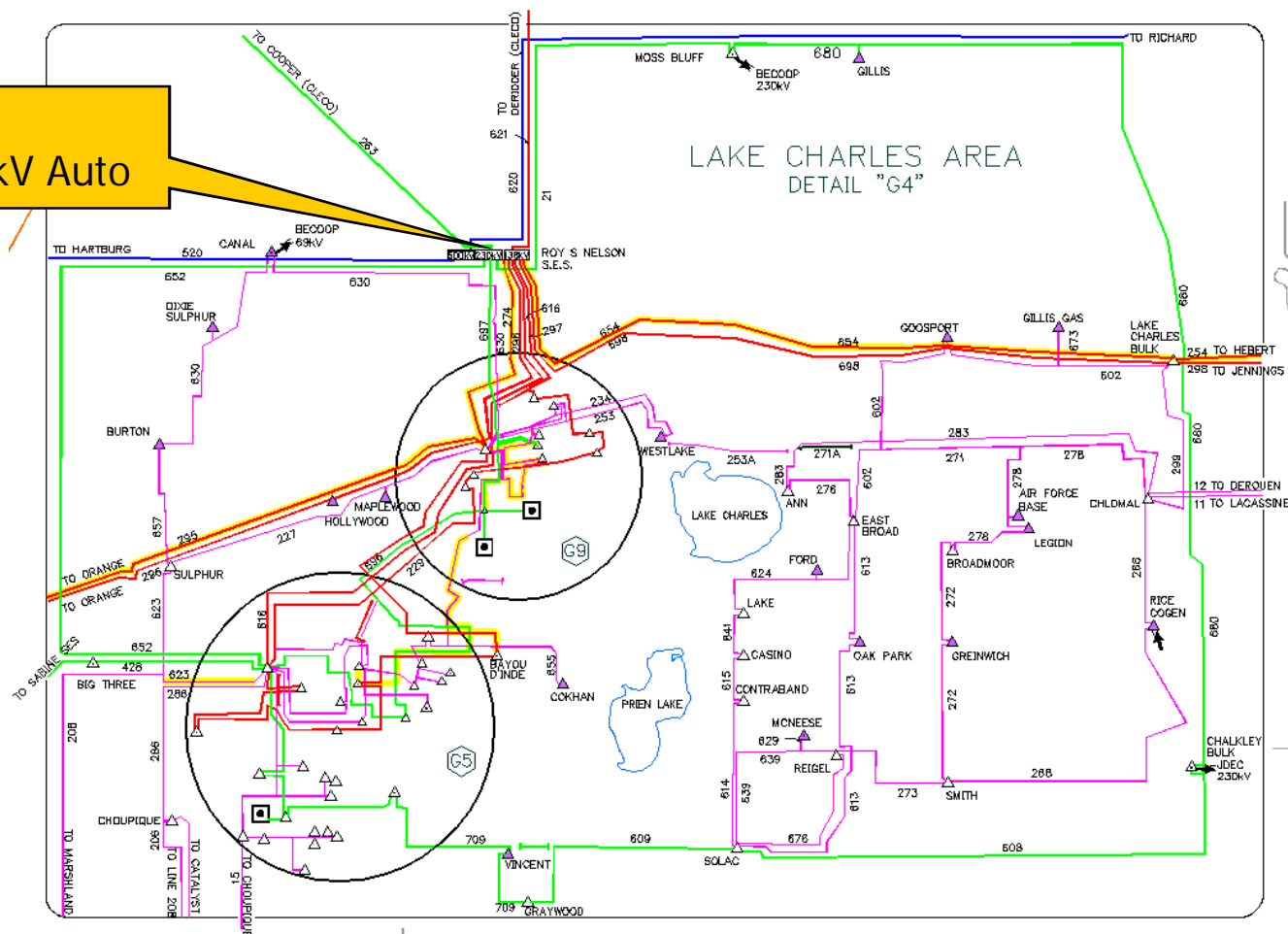


Proposed ISD: Summer 2017



Nelson – Add 2nd 500-230 kV Autotransformer 14-EGL-005-CP

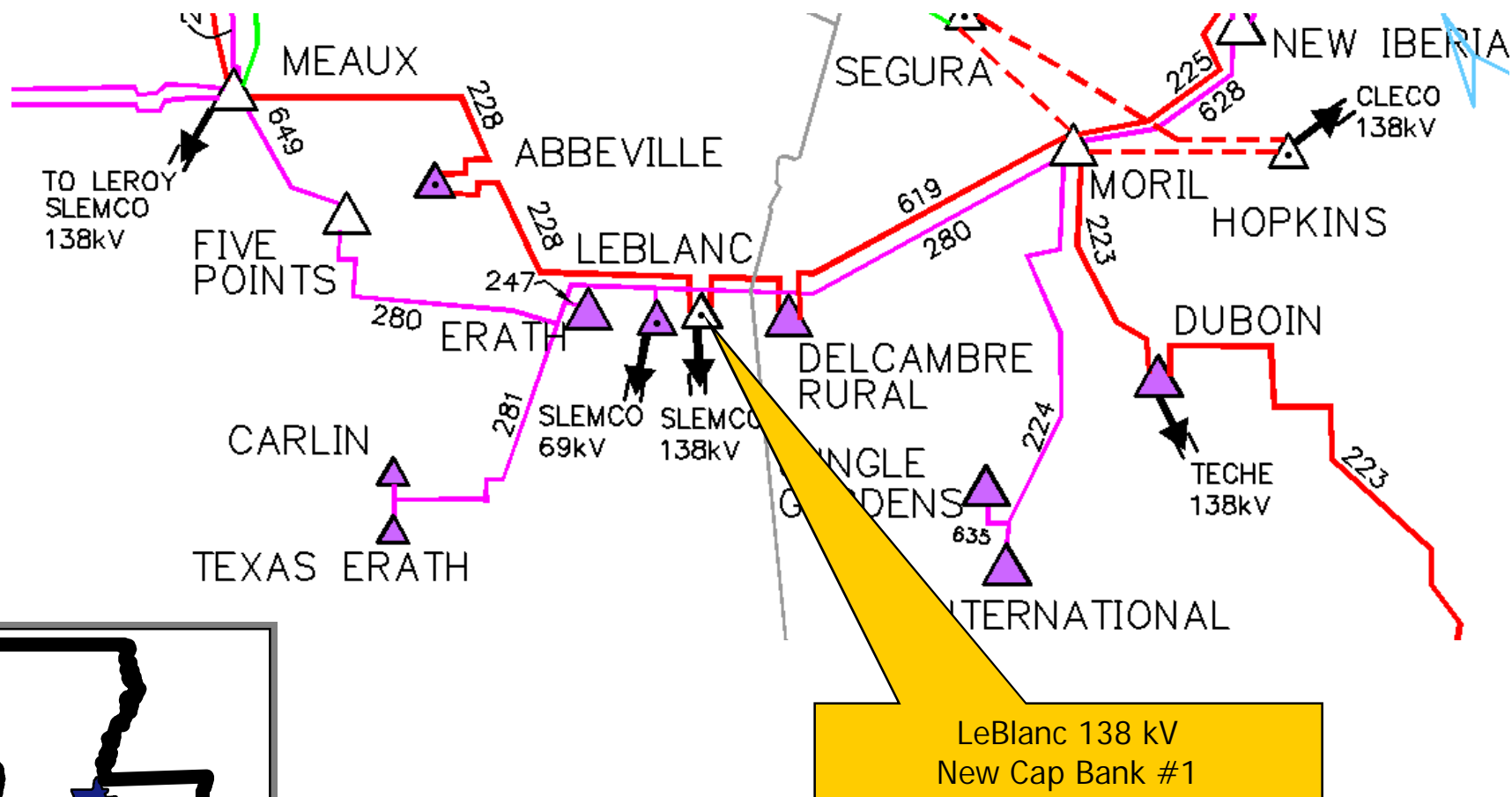
Nelson
Add 2nd 500-230 kV Auto



Proposed ISD: Summer 2017

LeBlanc 138 kV – New Cap Bank #1

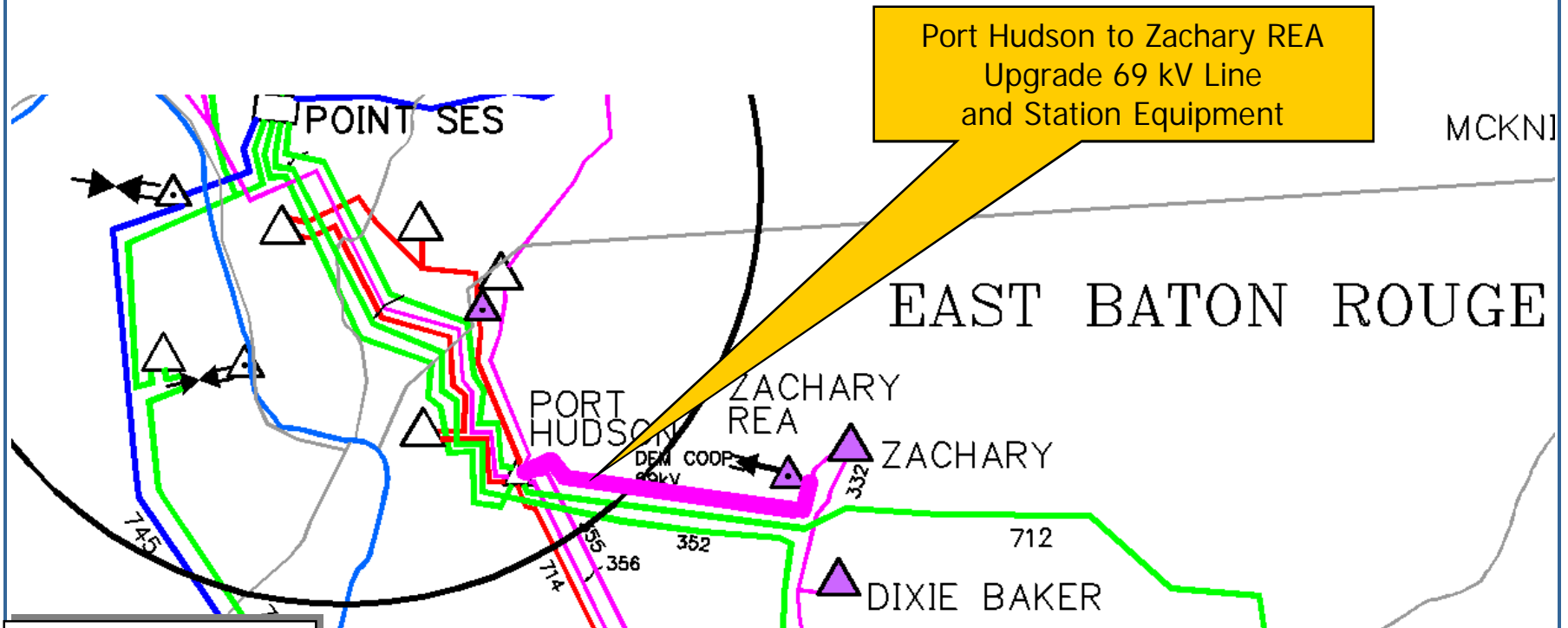
14-EGL-006-CP



Proposed ISD: Summer 2017

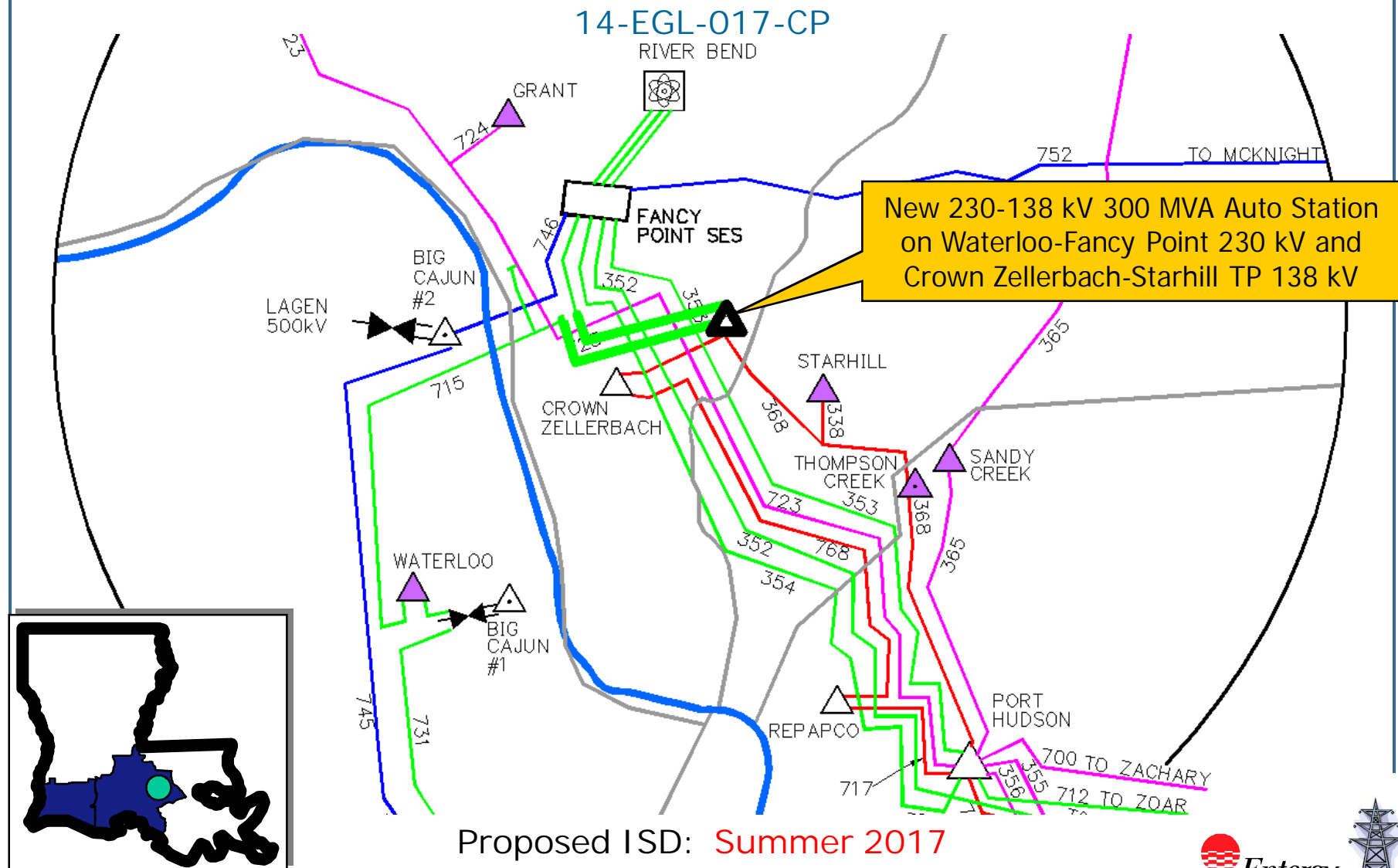
Port Hudson to Zachary REA 69 kV – Upgrade Line

14-EGL-016-CP



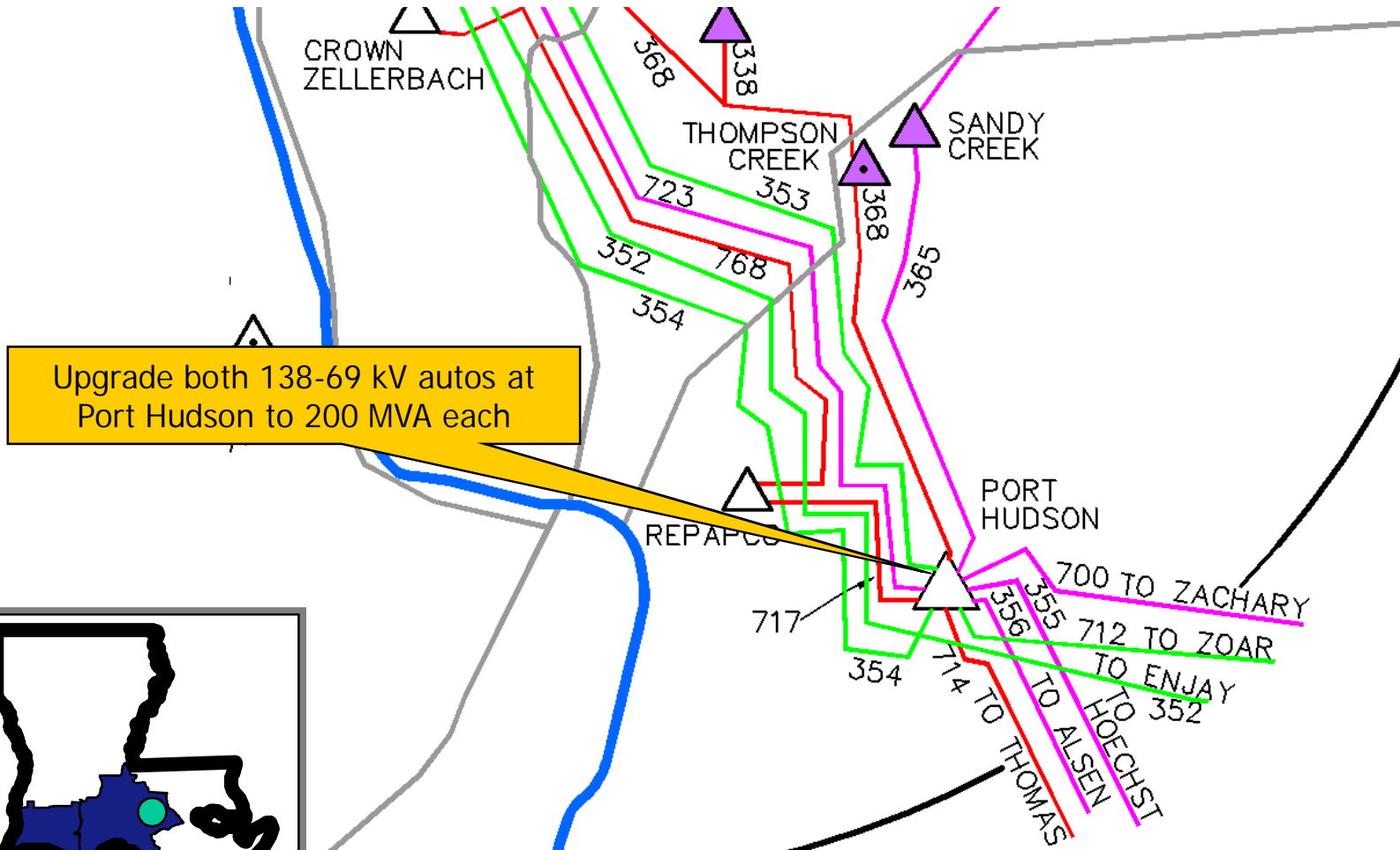
Proposed ISD: Summer 2017

New 230-138 kV Autotransformer near Crown Zellerbach

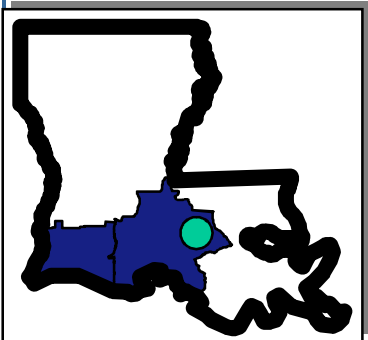


Port Hudson 138-69 kV Autotransformers – Upgrade

14-EGL-018-CP

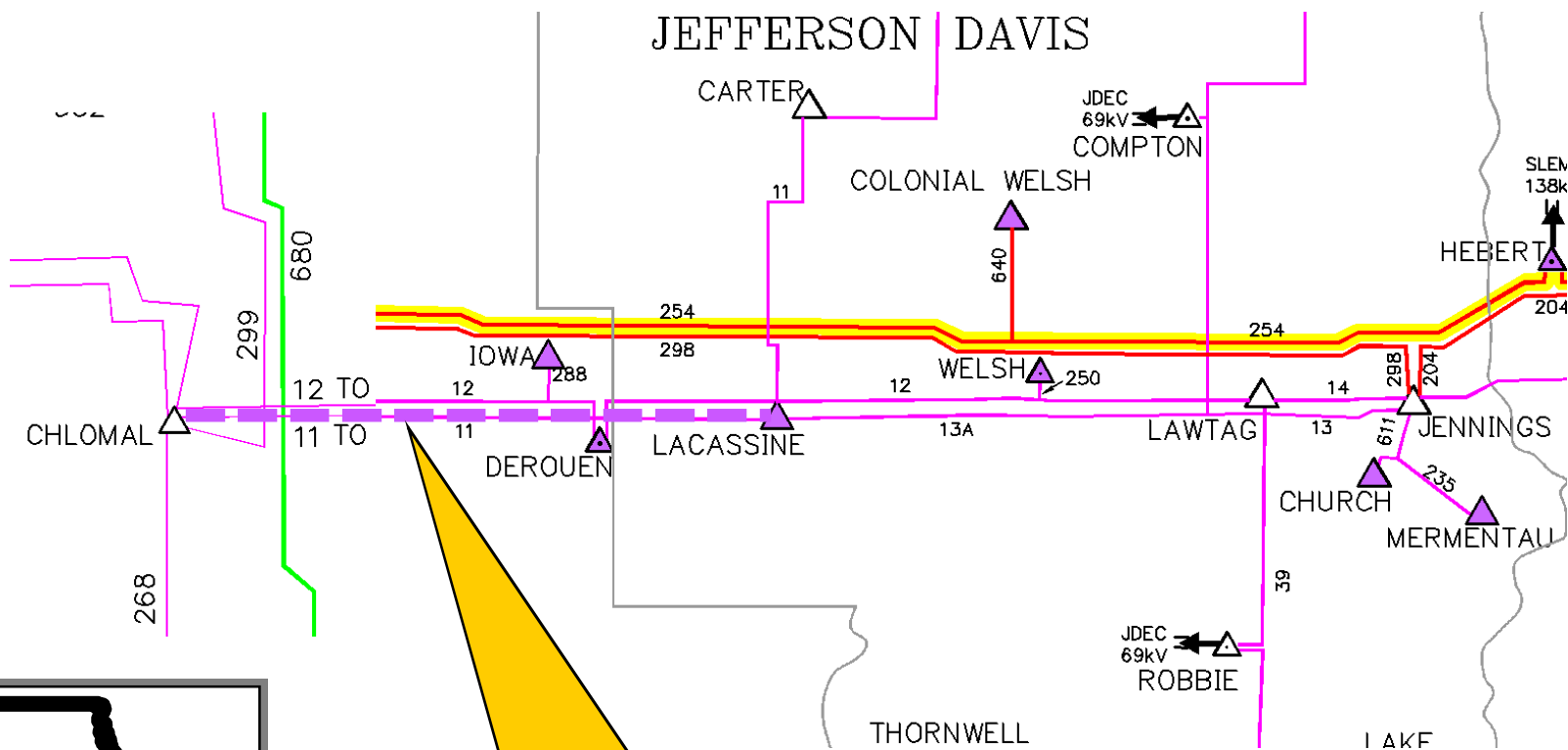


Proposed ISD: Summer 2019



Chlomal to Lacassine – Upgrade 69 kV Line

14-EGL-007-CP



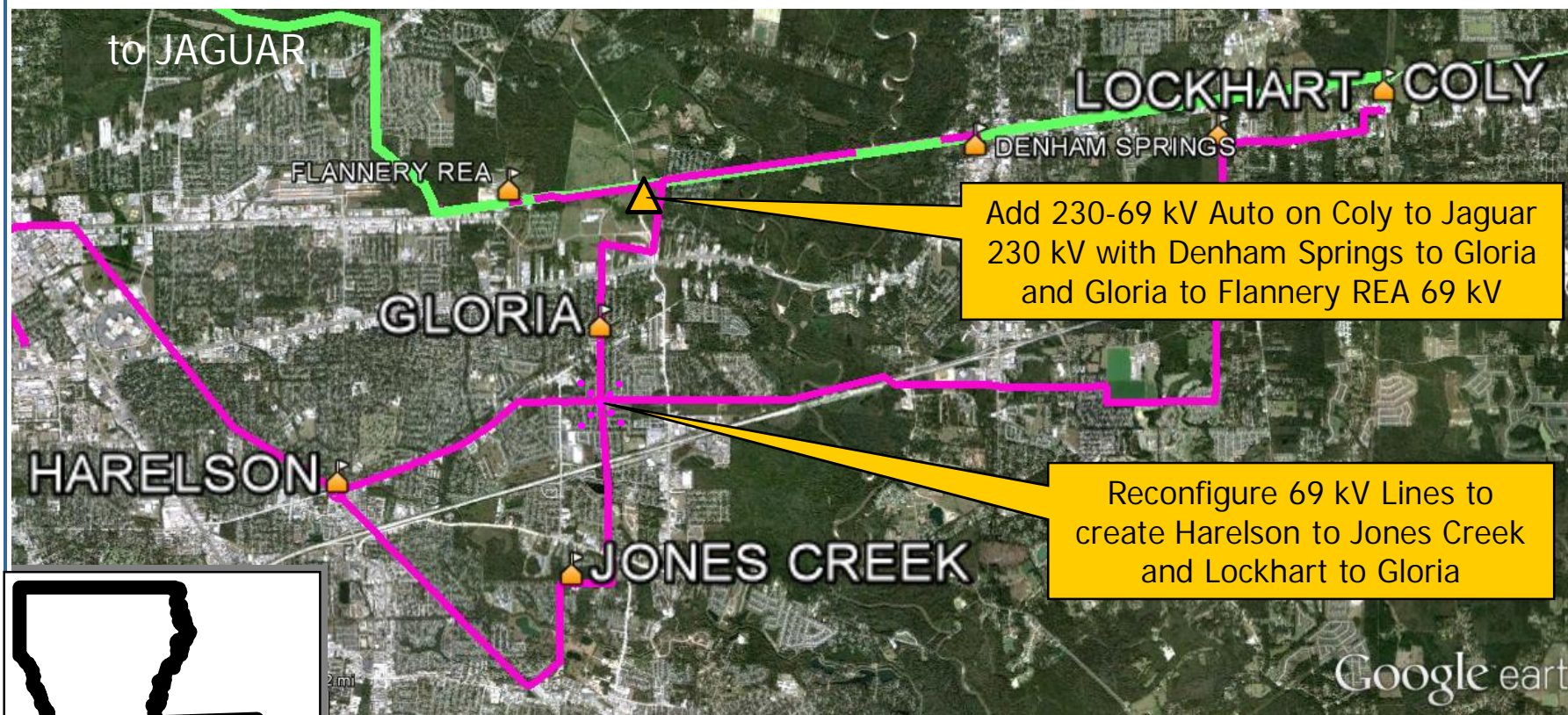
Chlomal to Lacassine
Upgrade 69 kV Line

Proposed ISD: **Winter 2019**



Flannery Area – Add 230-69 kV Autotransformer and Reconfigure 69 kV Lines

14-EGL-002-CP

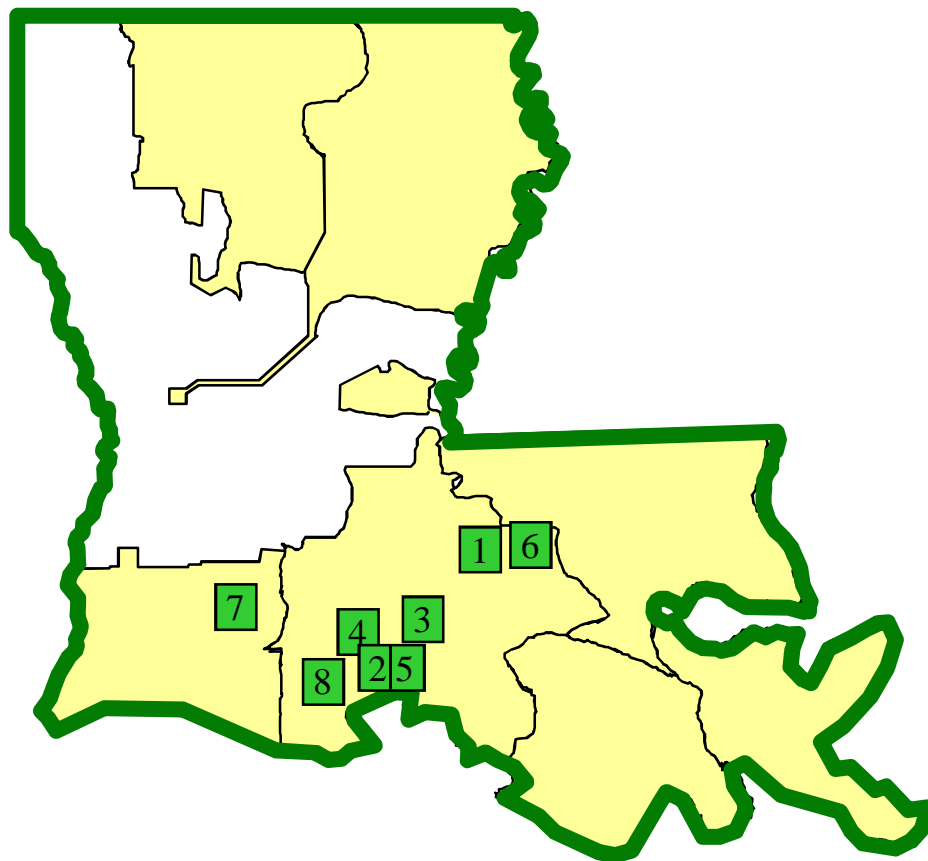


Proposed ISD: Summer 2020

2014 – 2018 Draft Construction Plan Update 1

Horizon Projects EGSL

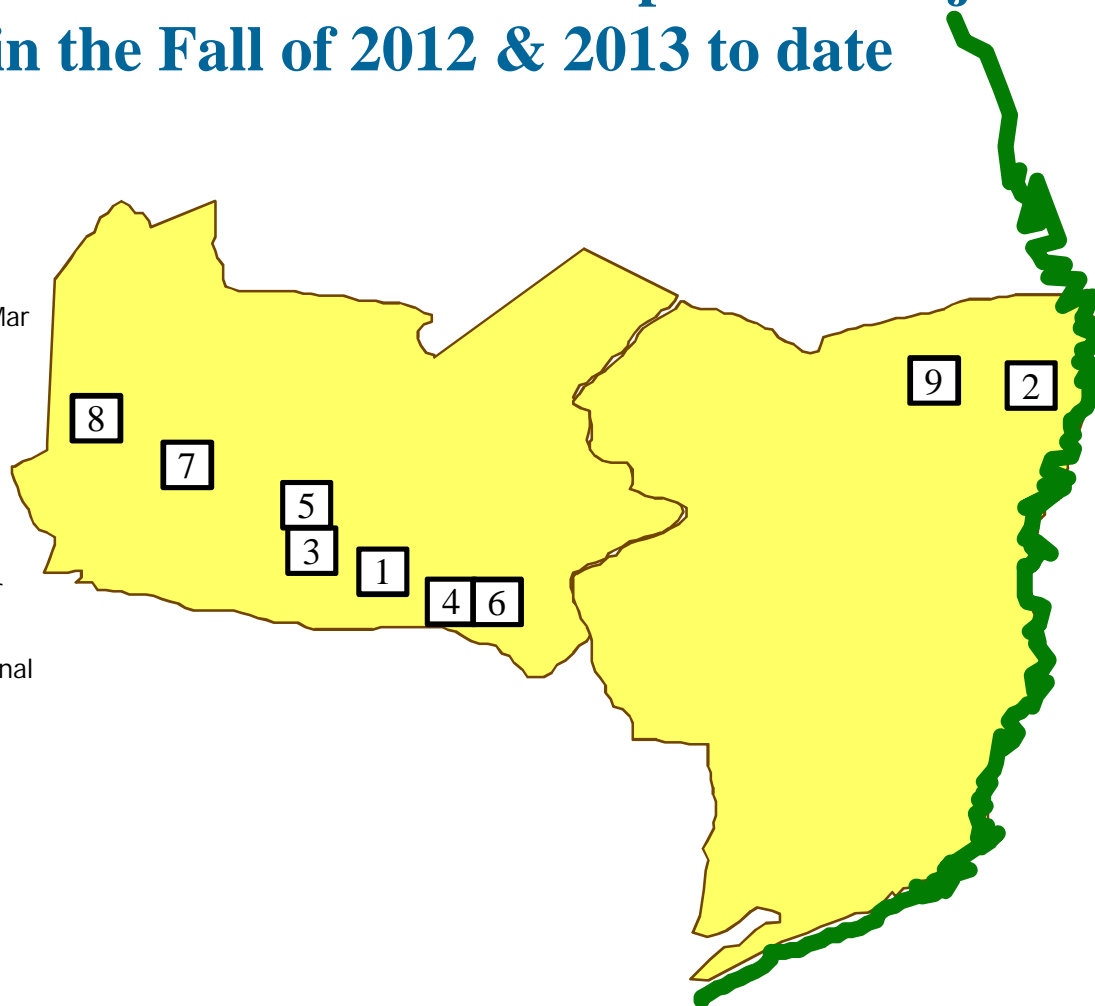
- 1) Krotz Springs – New Cap Bank (2019S)
- 2) Meaux to Abbeville – Upgrade Meaux Line Bay Bus (2020S)
- 3) Longfellow to Cade Switch – New 69 kV parallel New Iberia to Line 625A TP line (2022S)
- 4) Leblanc 138 kV – Cap Bank #2 (2022S)
- 5) Meaux to Abbeville – Upgrade 138 kV Line (2022S)
- 6) Francis to Marydale – Upgrade 69 kV line (2023W)
- 7) Serpent 69 kV Substation – Upgrade Lacassine to Carter 69 kV Line (2023W)
- 8) Kaplan to Hunter – Upgrade 69 kV Line (2024S)



Entergy Texas, Inc.

2014-2018 ETI Draft Construction Plan Update 1 Projects Completed in the Fall of 2012 & 2013 to date

- 1) Cedar Hill to Plantation 138 kV line – Upgrade line conductor and Station Equipment – Completed Feb 2013
- 2) Leach to Newton Bulk – Upgrade terminal Equipment at Newton Bulk – Completed Mar 2013
- 3) Plantation to Conroe 138 kV – Upgrade Station Equipment – Completed Apr 2013
- 4) Hickory Ridge to Eastgate – Upgrade terminal Equipment at Eastgate – Completed Apr 2013
- 5) Plantation to Conroe 138 kV- Reconductor line – Completed Apr 2013
- 6) Eastgate to Dayton Bulk – Upgrade Terminal Equipment at Eastgate - Completed Apr 2013
- 7) Bentwater Substation 138 kV – Add Capacitor Bank – Completed May 2013
- 8) Expand Capacitor Bank at Calvert 69 kV Completed May 2013
- 9) Jasper to Rayburn 138 kV line Upgrade Completed May 2013



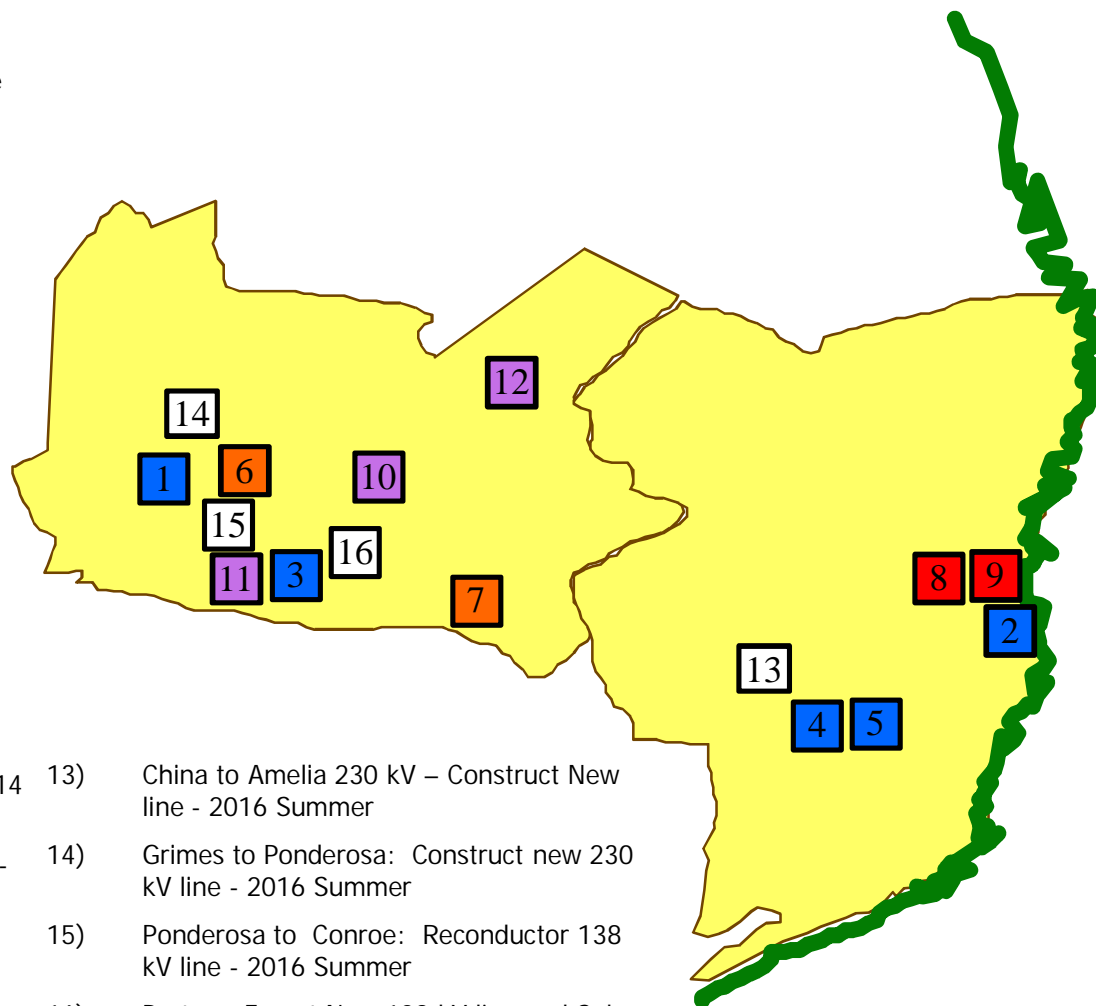
Entergy Texas, Inc.

Transmission

2014 – 2018 Draft Construction Plan Update 1 Projects

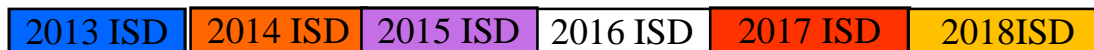
2014 - 2018 ETI Draft Construction Plan Projects

1. College Station SS – Create Emergency tie point with ERCOT 2013 Spring
2. Deweyville (JNEC) 69 kV – Add Capacitor Bank 2013 winter
3. Ponderosa Switching Station – Tie lines Longmire to Fish Creek and Conroe to Woodhaven into new Switching Station 2013 Winter
4. Pansy to Lovells Lake – Upgrade line to 100C 2013 Winter
5. Lovells Lake to Texaco Hillebrandt – Upgrade line to 100C 2013 Winter
6. Lewis Creek – Egypt – Reconductor 2014 Summer
7. **Parkway: New Cap Bank - 2014 Summer**
8. **Leach – DETEC Install breakers 2014 Fall**
9. Toledo Bend – Leach – Reconductor - 2014 Fall
10. Jacinto to Splendora 138 kV line Upgrade - 2015 Summer
11. Alden 138 kV Substation – Add Capacitor Bank - 2015 Summer
12. **Magnolia Groveton – Add Cap Bank - 2015 Summer**



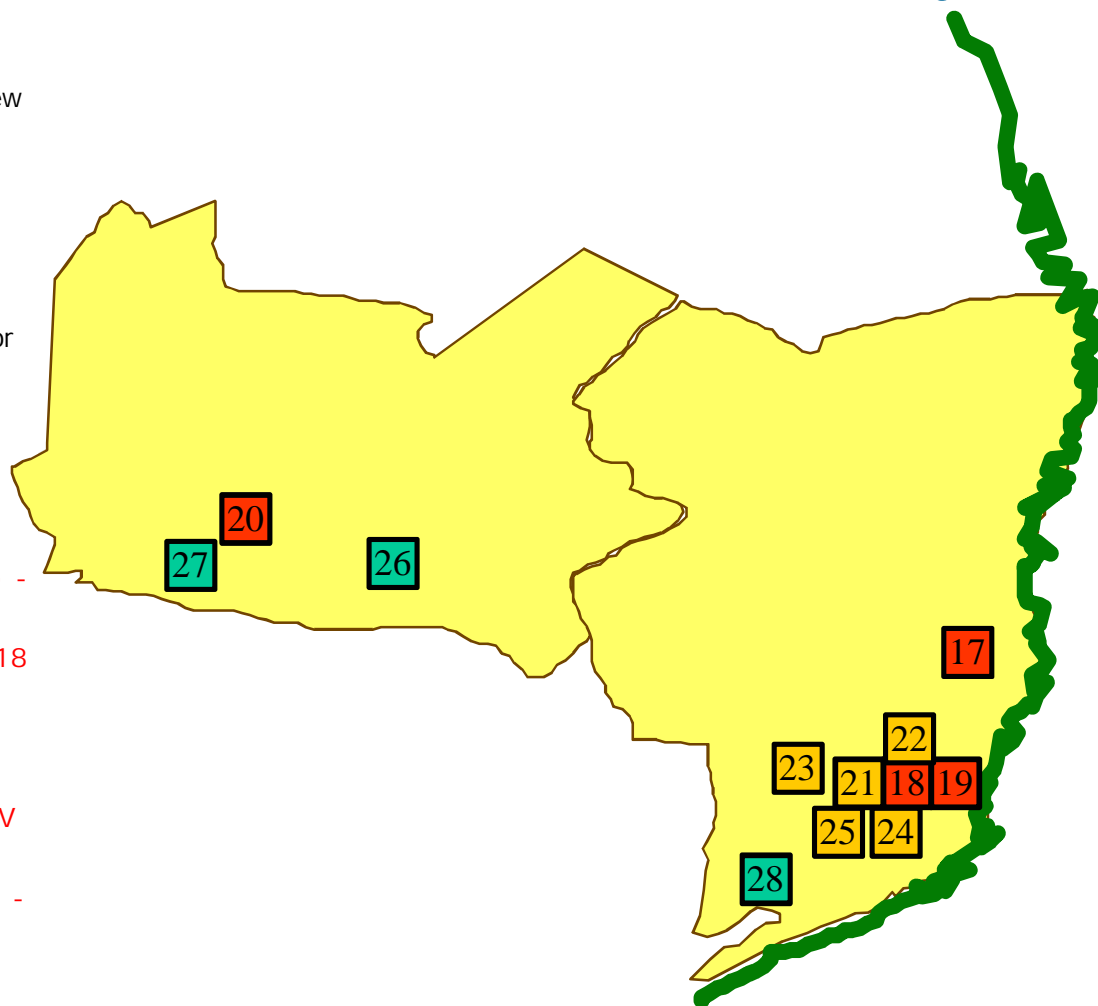
- 13) China to Amelia 230 kV – Construct New line - 2016 Summer
- 14) Grimes to Ponderosa: Construct new 230 kV line - 2016 Summer
- 15) Ponderosa to Conroe: Reconductor 138 kV line - 2016 Summer
- 16) Porter – Forest New 138 kV line and Sub - 2016 Summer

Red font denotes new projects not previously included in 2013 – 2017 Final Construction Plan Update 3



2014 - 2018 ETI Draft Construction Plan Projects

17. Orange County 230 kV Project: New Chisholm Road 230 kV Substation, new line from Hartburg to Chisholm Road, new 500-230 kV Auto - 2017 Summer
18. Sabine to Port Neches (Line 515): Reconductor line - 2017 Summer
19. Sabine: Upgrade terminal equipment (Sabine to Big 3 Line) - 2017 Summer
20. Egypt to Panorama 138 kV- Reconductor - 2017 Summer
21. Construct new China to Stowell 138 kV line - 2018 Summer
22. Sabine to Port Neches (Line 516): Reconductor line - 2018 Summer
23. Raywood – Add 2nd 138/69 kV Auto - 2018 Summer
24. Kolbs 230 kV – Add Cap Bank - 2018 Summer
25. Gulfway 230 – Upgrade VFW park 230 kV line bay - 2018 Summer
26. Splendora to Apollo Upgrade 138 kV line - 2019 Summer
27. Panorama – Longmire Reconductor - 2019 Summer
28. Raywood – Add 2nd 69 kV line to Daisetta - 2019 Summer

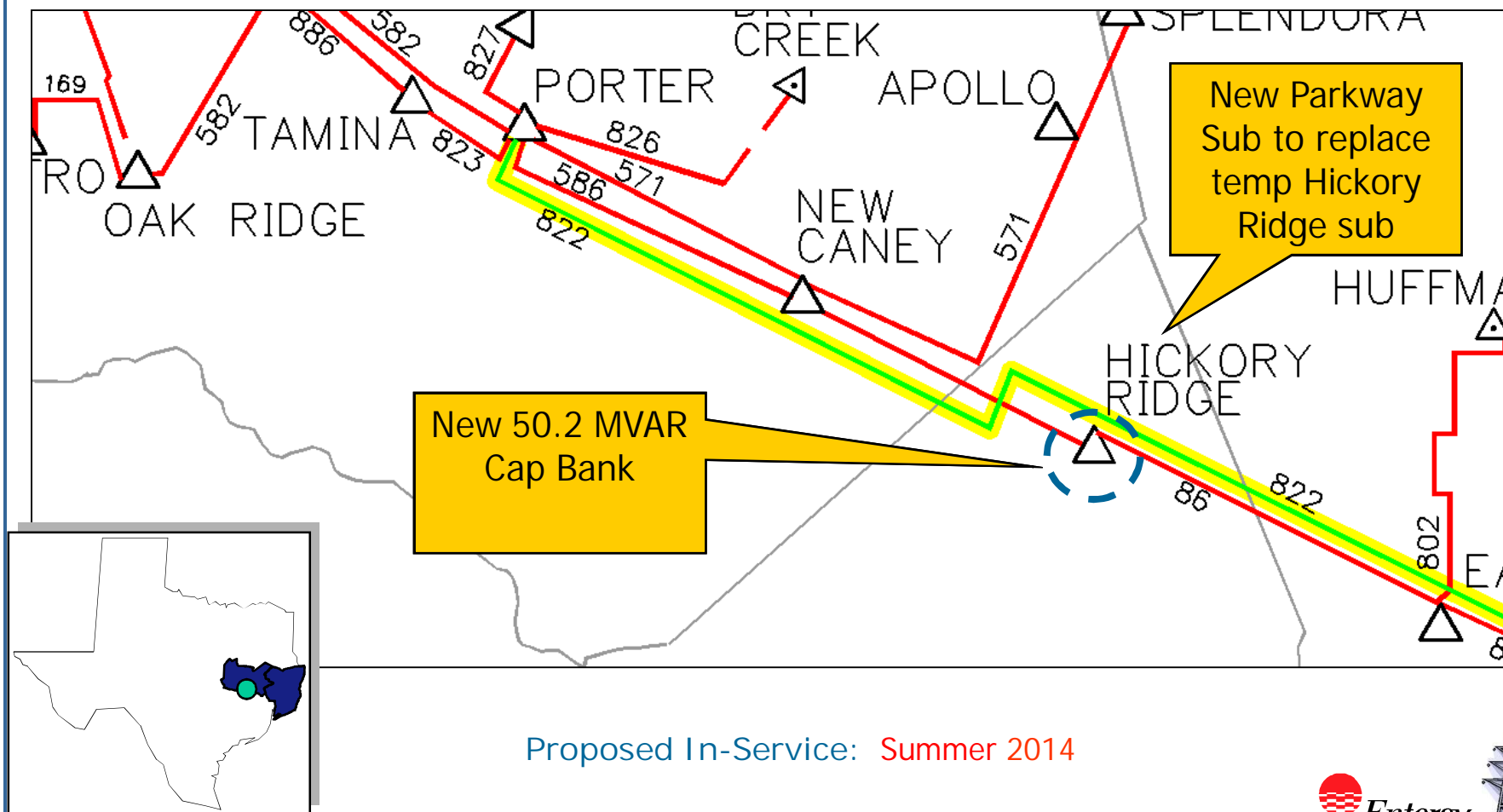


Red font denotes new projects not previously included in 2013 – 2017 Final Construction Plan Update 3



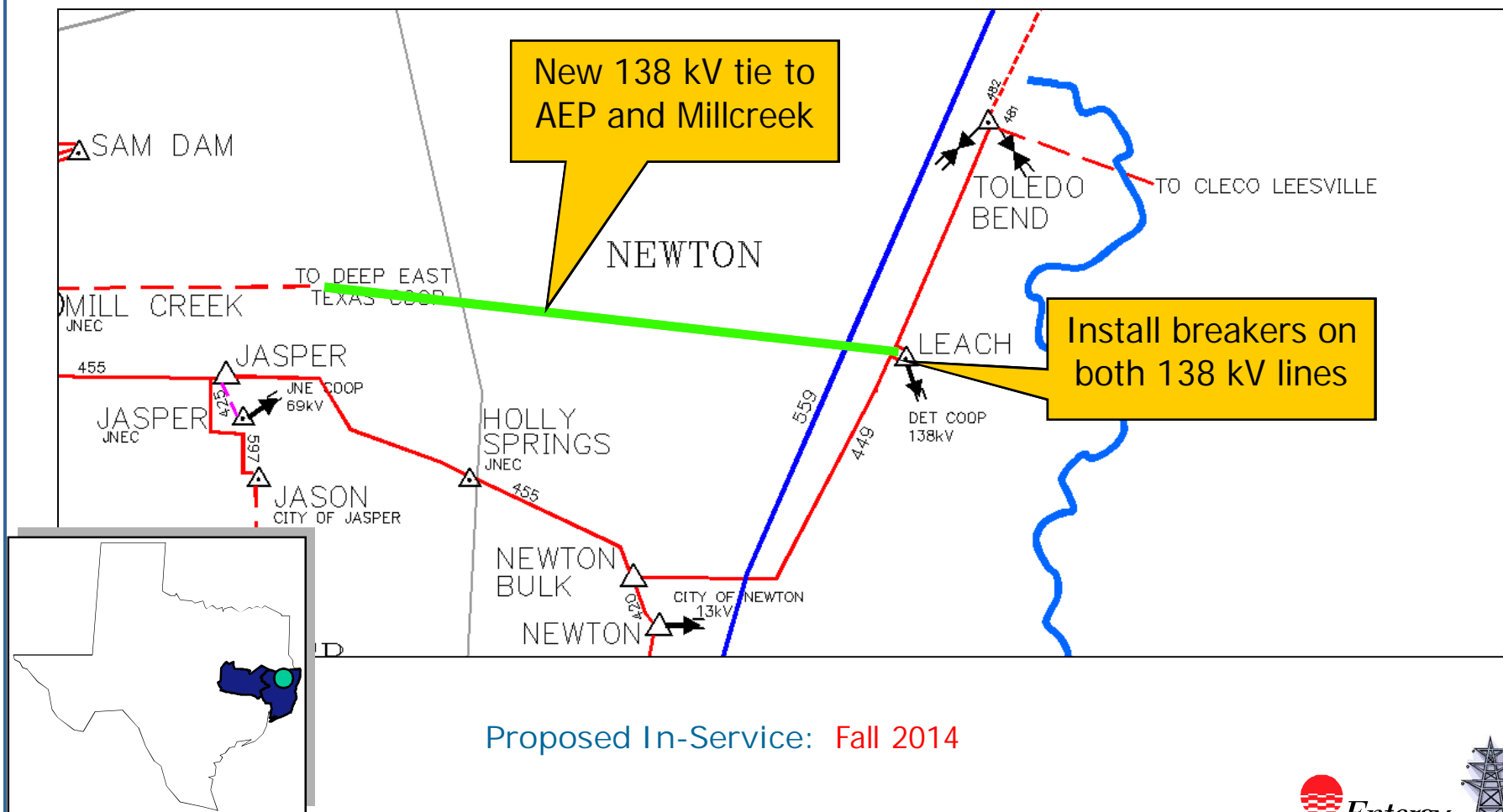
Parkway 138 kV Bus– New 50.2 MVAR Cap Bank

11-ETI-042



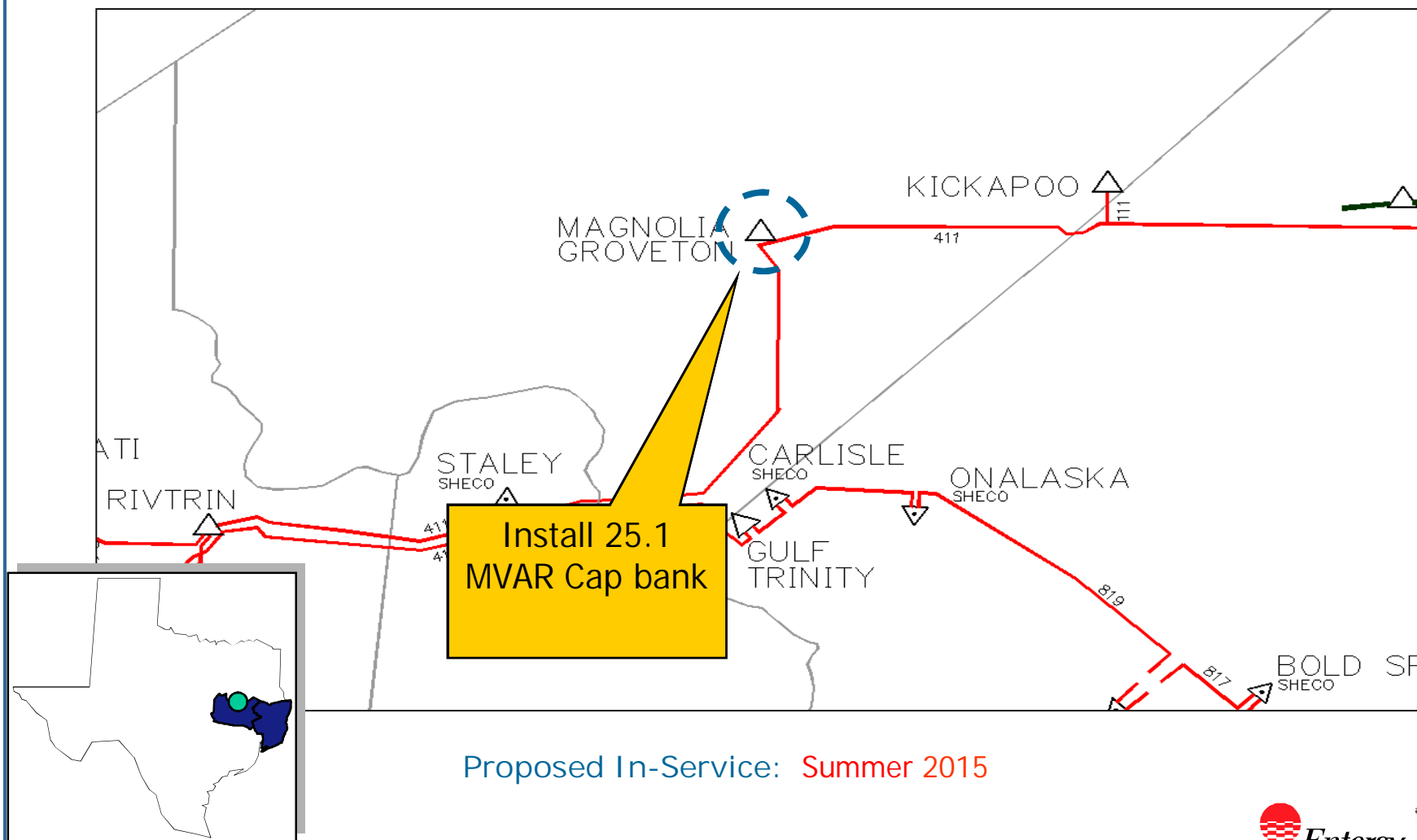
Install Breakers at Leach

14-ETI-004



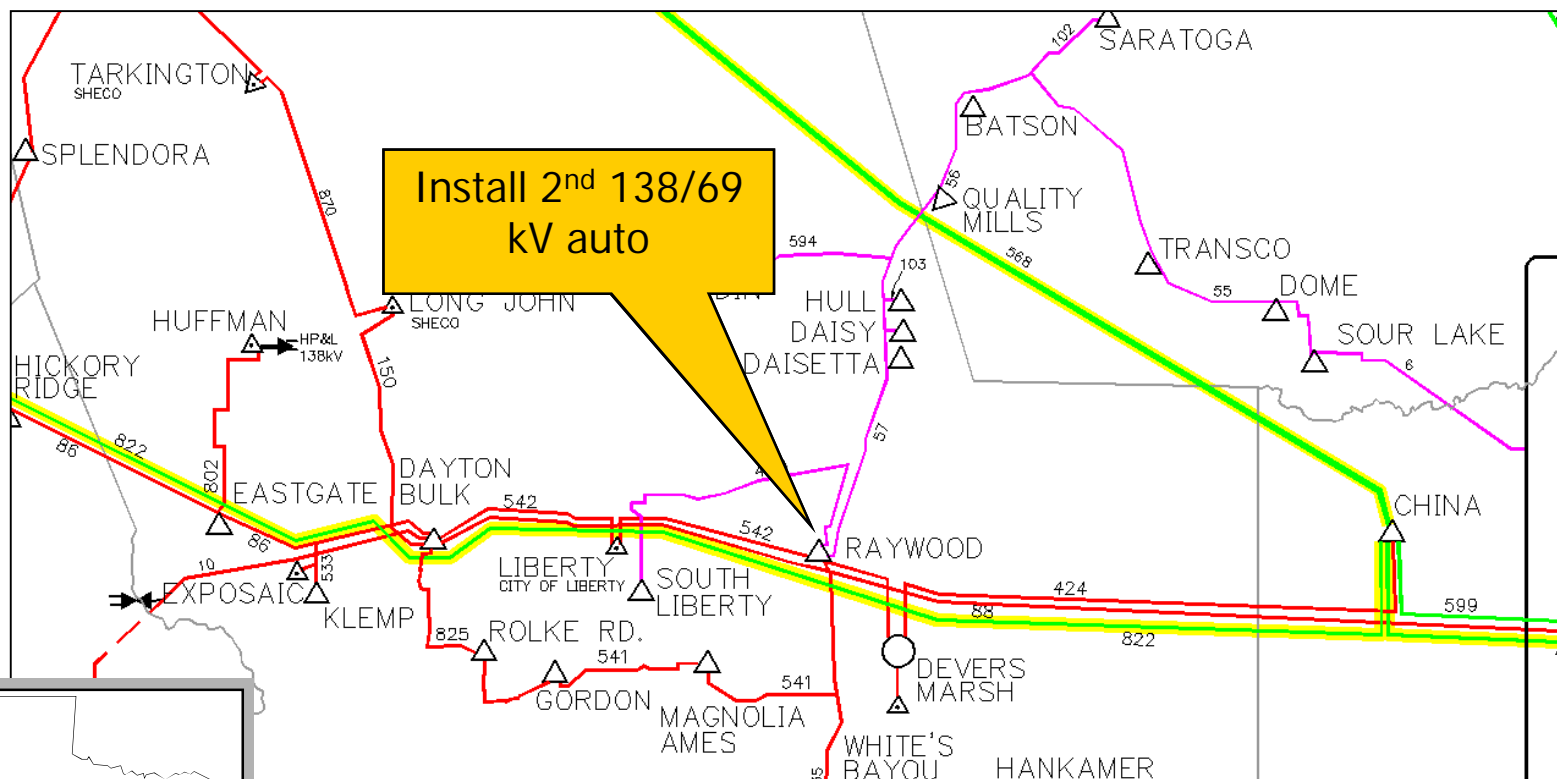
Magnolia Groveton – Add 25.1 MVAR Cap Bank

13-ETI-006



Raywood Area Improvements – Add 2nd 138-69 kV Auto at Raywood

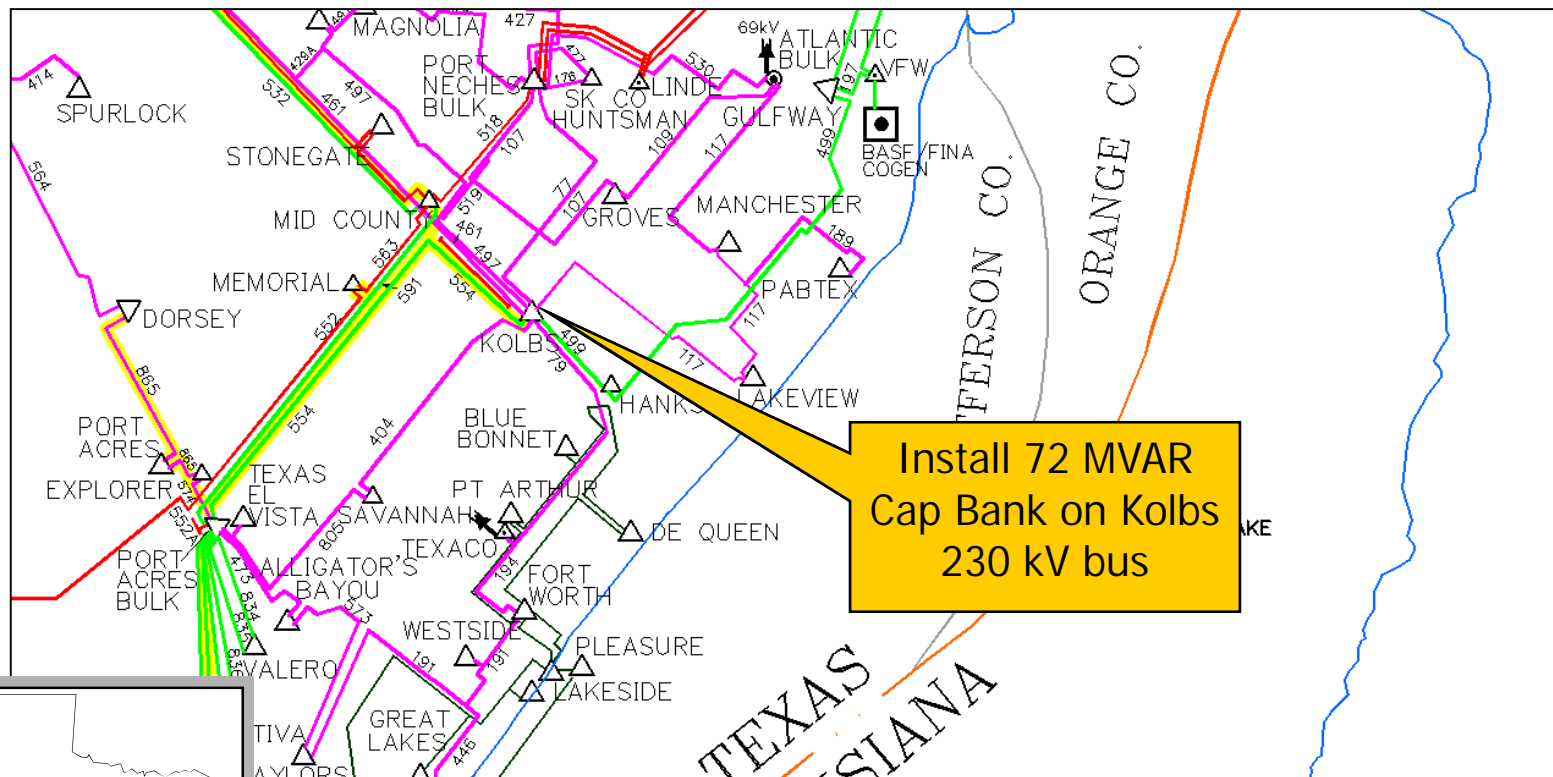
14-ETI-001-01



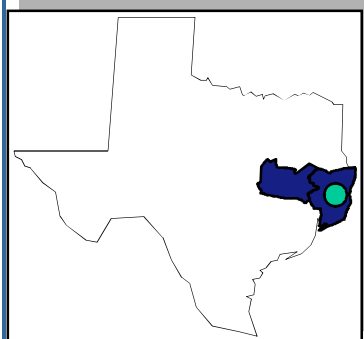
Proposed In-Service: Summer 2018

Kolbs 230 kV Capacitor Bank

12-ETI-006

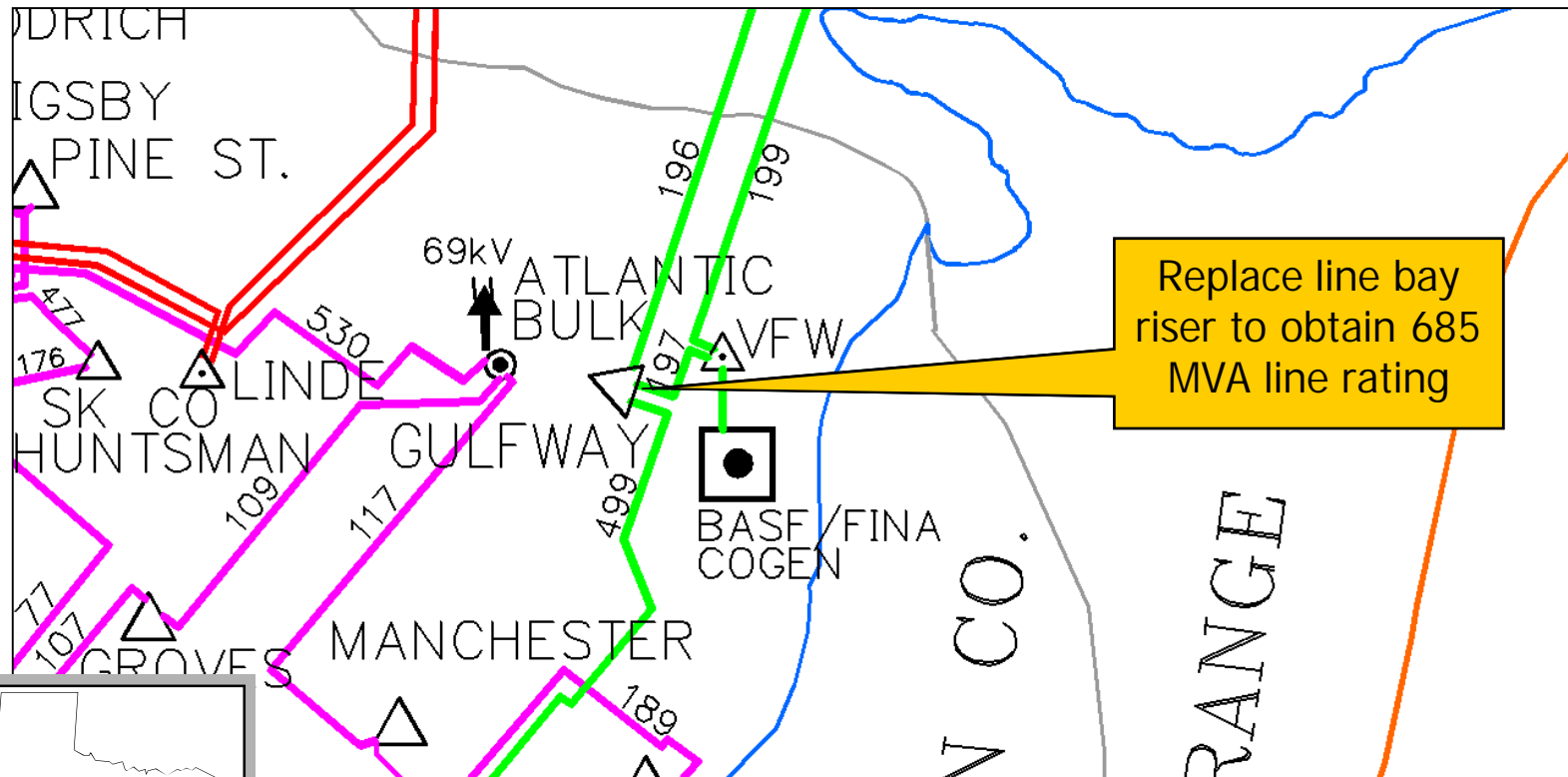


Proposed In-Service: Summer 2018

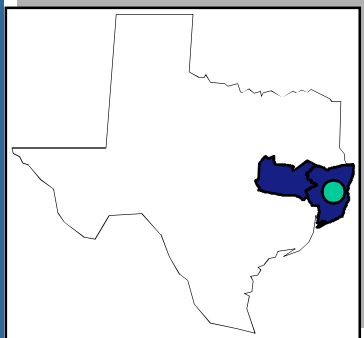


Gulfway 230 kV Substation – Upgrade VFW Park Line Bay Equipment

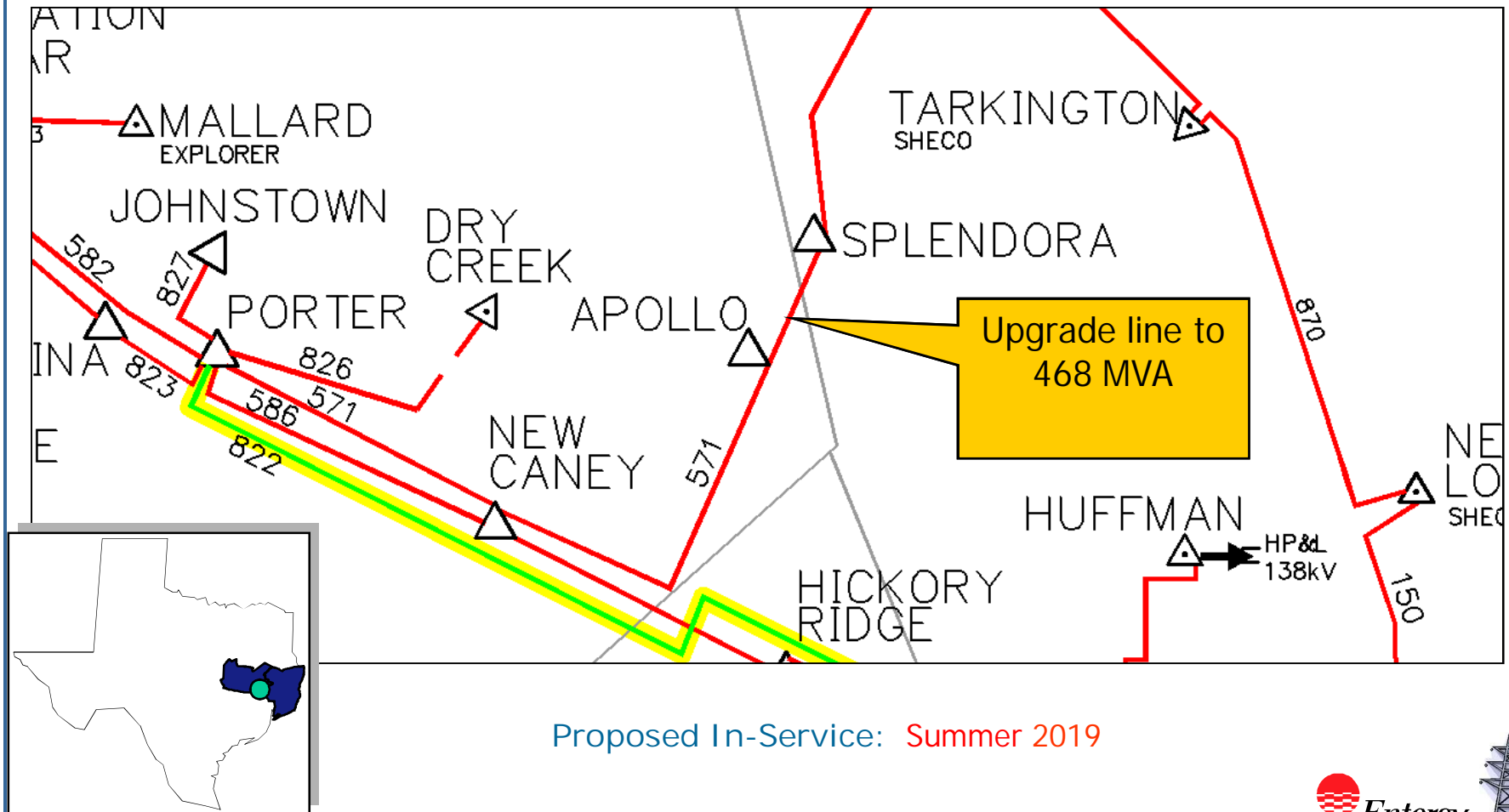
12-ETI-017



Proposed In-Service: Summer 2018

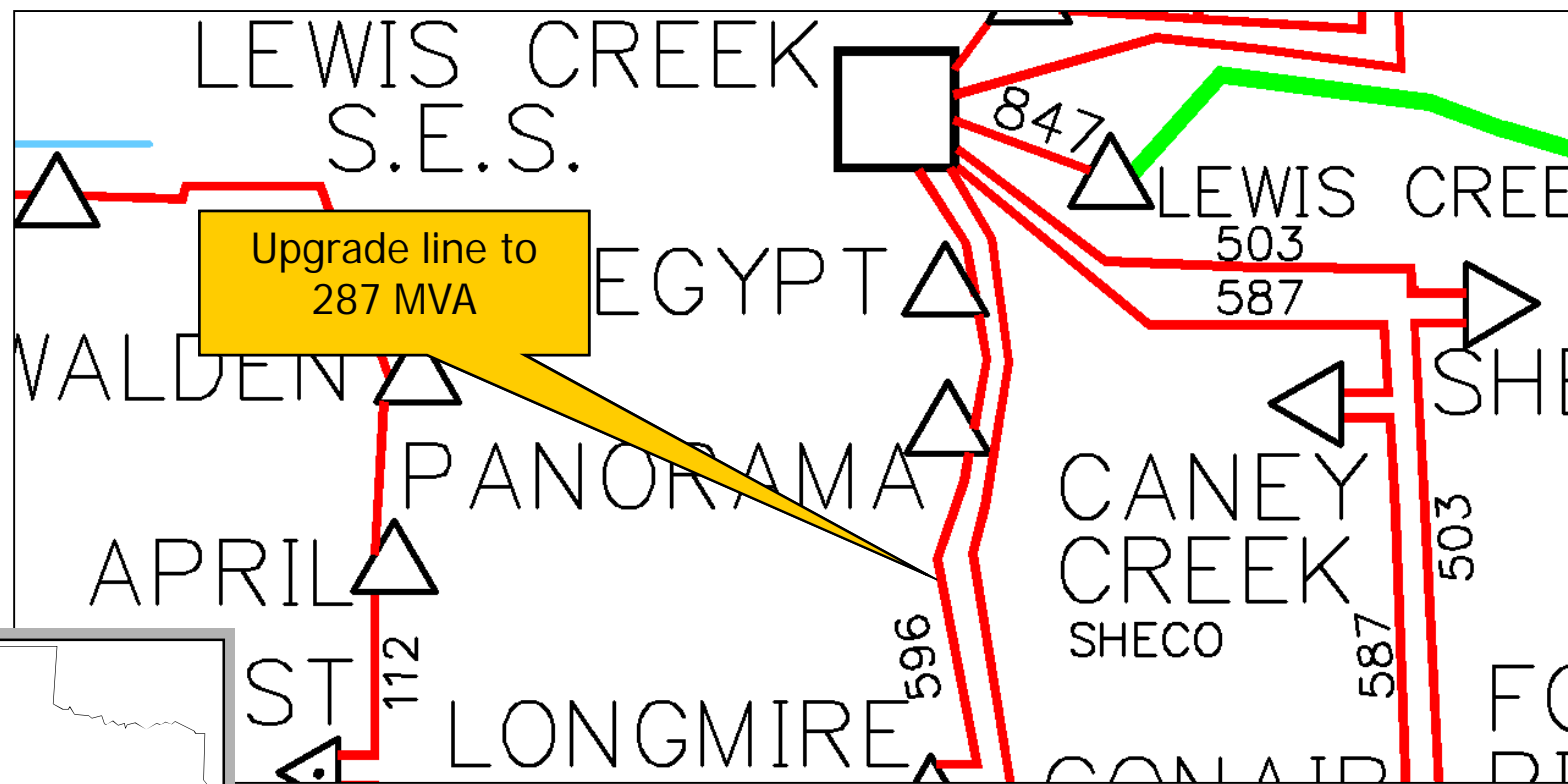


Splendora to Apollo 138 kV– Upgrade Line 11-ETI-026



Upgrade Panorama to Longmire 138 kV line

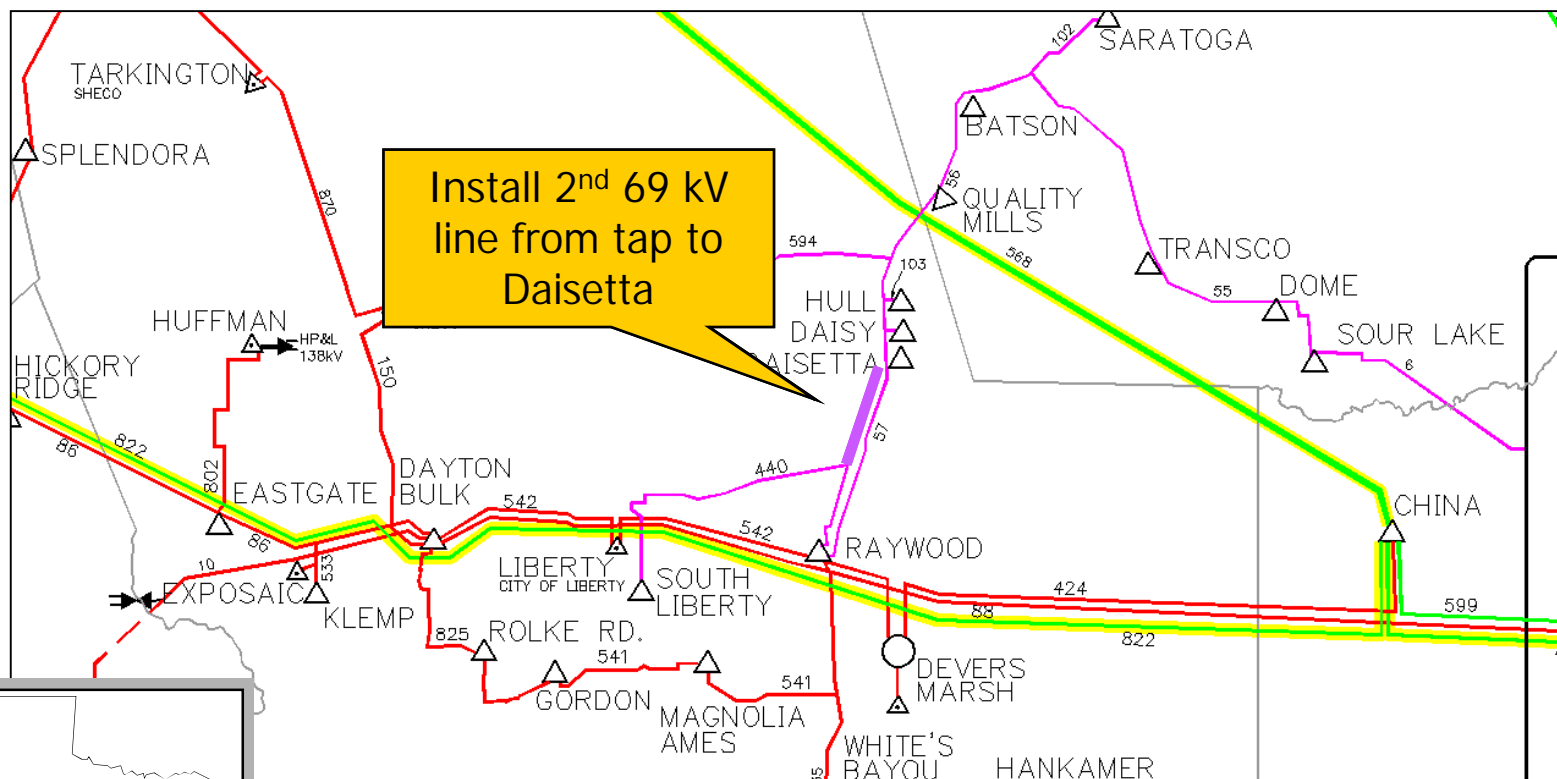
13-ETI-014



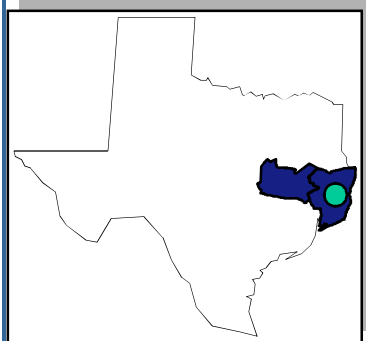
Proposed In-Service: Summer 2019

Raywood Area Improvements – Add 2nd 69 kV Line from Raywood to Daisetta

14-ETI-001-02



Proposed In-Service: Summer 2019



2014 – 2018 Draft Construction Plan Update 1 Horizon Projects ETI

- 1) Carroll St – Neches 138 kV Line 457 Reconductor- 2020 Summer
- 2) Carroll St – Neches 138kV Line 528 Reconductor- 2020 Summer
- 3) Upgrade Apollo to Porter 138 kV - 2021 Summer
- 4) Eastgate – Add 37.7 MVAR Cap Bank - 2021 Summer
- 5) Jacinto – Cleveland – Upgrade line bay risers at both subs - 2021 Summer
- 6) Ponderosa – Fish Creek 138 kV – Reconductor - 2022 Summer
- 7) Amelia – Helbig 230kV– Reconductor Line - 2022 Summer
- 8) Cut Cleveland into 138 kV line 871 (Jacinto – Splendora) - 2023 Summer
- 9) Winshire 69 kV – Add Cap Bank - 2023 Summer
- 10) Dobbins 138 kV – Add Cap Bank - 2023 Summer
- 11) Add 2nd Cypress 500/138 kV Auto - 2024 Summer
- 12) Helbig – Chisholm Road 230kV– Reconductor - 2024 Summer
- 13) WRRIP PH 3 Final: Construct new Cypress to Jacinto 230 kV line with series compensation - 2024 Summer

