Reliability Analysis Update

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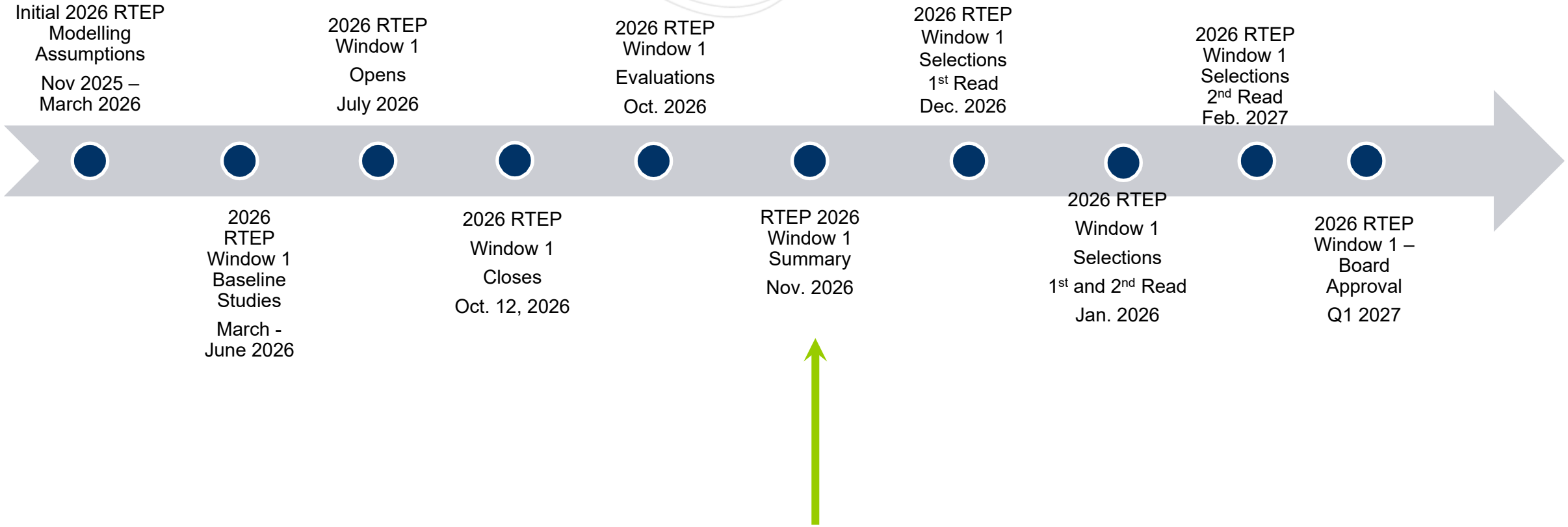
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2026 RTEP Window 1 Update

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2026 RTEP Window 1 – Timeline



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2026 RTEP Window1 Schedule

- Window opened on July 20th, 2026
- Updated Window 1 files/results and window problem statement were reposted on August 21st to reflect ComEd load forecast update
  - On July 30th, 2026, PJM was informed by Exelon of an anticipated reduction in the ComEd load forecast resulting from the latest information about the firmness of commitments from customers.
  - 1.3GW load reduction for 2031; 3.3GW load reduction for 2034
- Window closed on October 12th, 2026 (85-day window)
- Window summary and solutions to be brought forward to the TEAC starting in November 2026 through January/February 2027
- Board approvals in 1st Quarter of 2027

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From Problem Statement

- The 2026 RTEP competitive process window No. 1 focuses on addressing the near-term reliability needs of PJM interconnection identified through PJM's five-year planning analyses. PJM plans to further refine and complement the planning solutions needed for the entire PJM interconnection part of the 2027 RTEP cycle once the 2026 PJM Reliability Backstop Procurement (RBP) is concluded and announced.

- PJM is not specifically encouraging right-sized solutions to address needs in the 8-year planning models at this time. However, window participants may propose right-sizing developments where they identify opportunities to maximize the use of rights-of-way or to right-size upgrades to existing lines triggered by the 5-year analysis where doing so may result in a more efficient or cost-effective solution. In all cases, window participants are encouraged to submit solutions addressing the needs identified in the updated 5-year models, as well as any right-sizing opportunities they may propose for PJM consideration, with an explanation of how the proposed right-sizing solution would result in a more efficient or cost-effective solution.

- The planning models provided for the 8-year horizon are provided primarily for informational purposes and to provide visibility into potential system needs beyond the near, 5-year planning needs. Any longer-term needs will be evaluated as part of the 2027 RTEP.

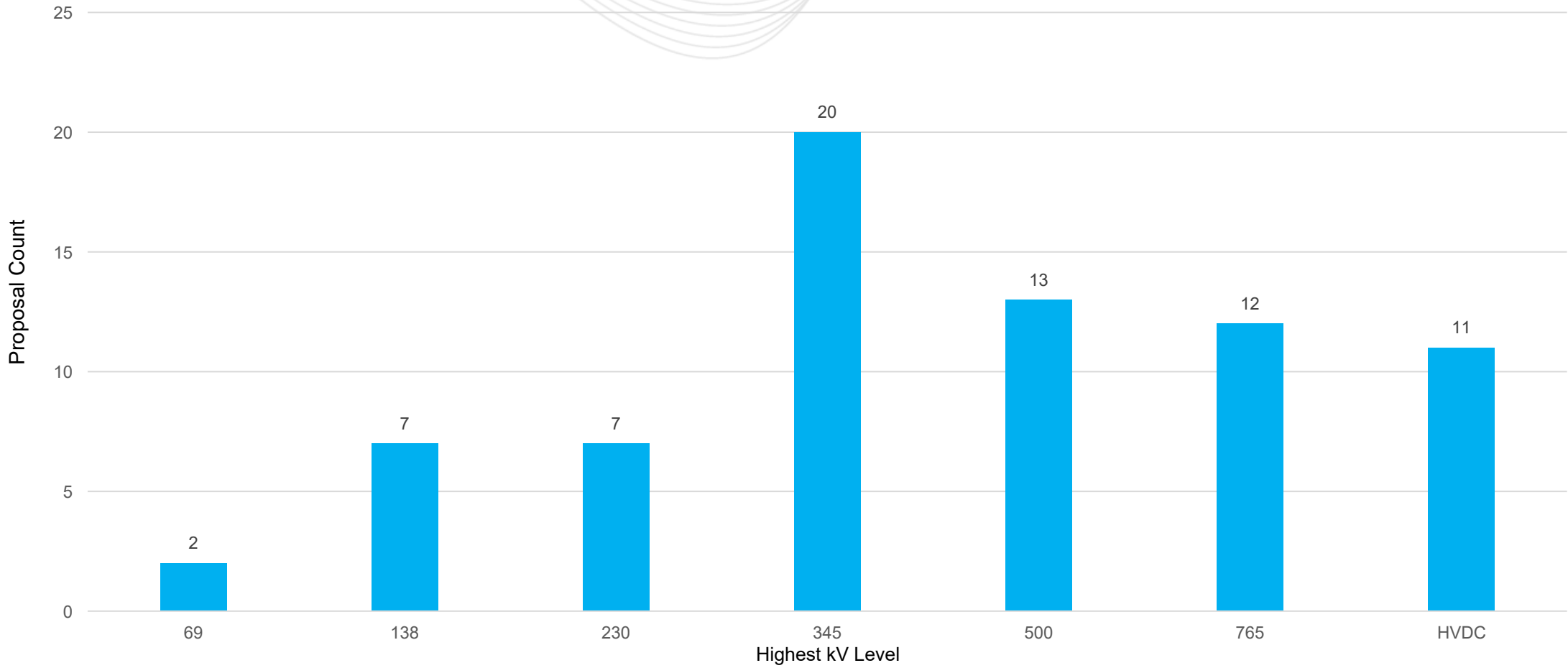
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Window Proposal Overview

- 72 Proposals from 14 entities (6 non-incumbent and 8 incumbent)
  - 54 Greenfield Proposals
  - 18 Upgrade Proposals
- Proposal Cost Estimate: Approximate range from $0.7M to $4.5B; total combine window cost $66.3B
- 61 proposals with cost containment (some are Hard-capped)
- Grid Enhancing Technologies in most proposals
  - HVDC (11 proposals)
  - Advanced Conductors

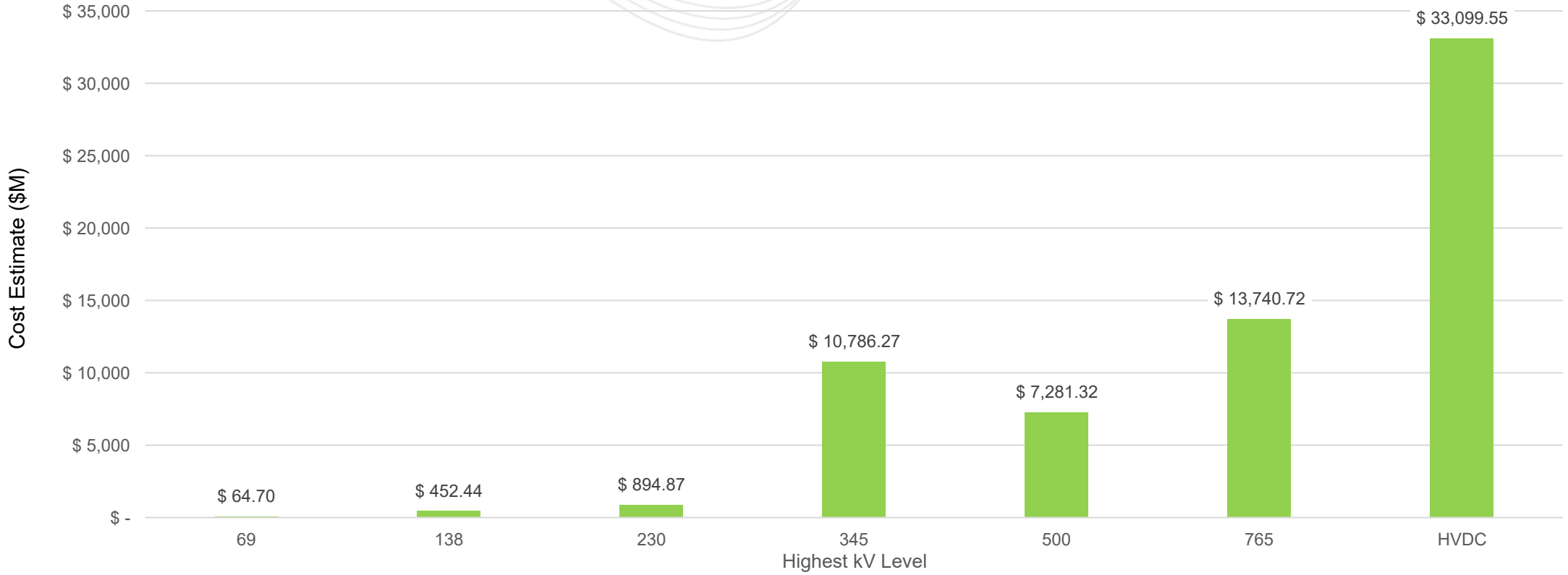
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Number of Proposals by KV level



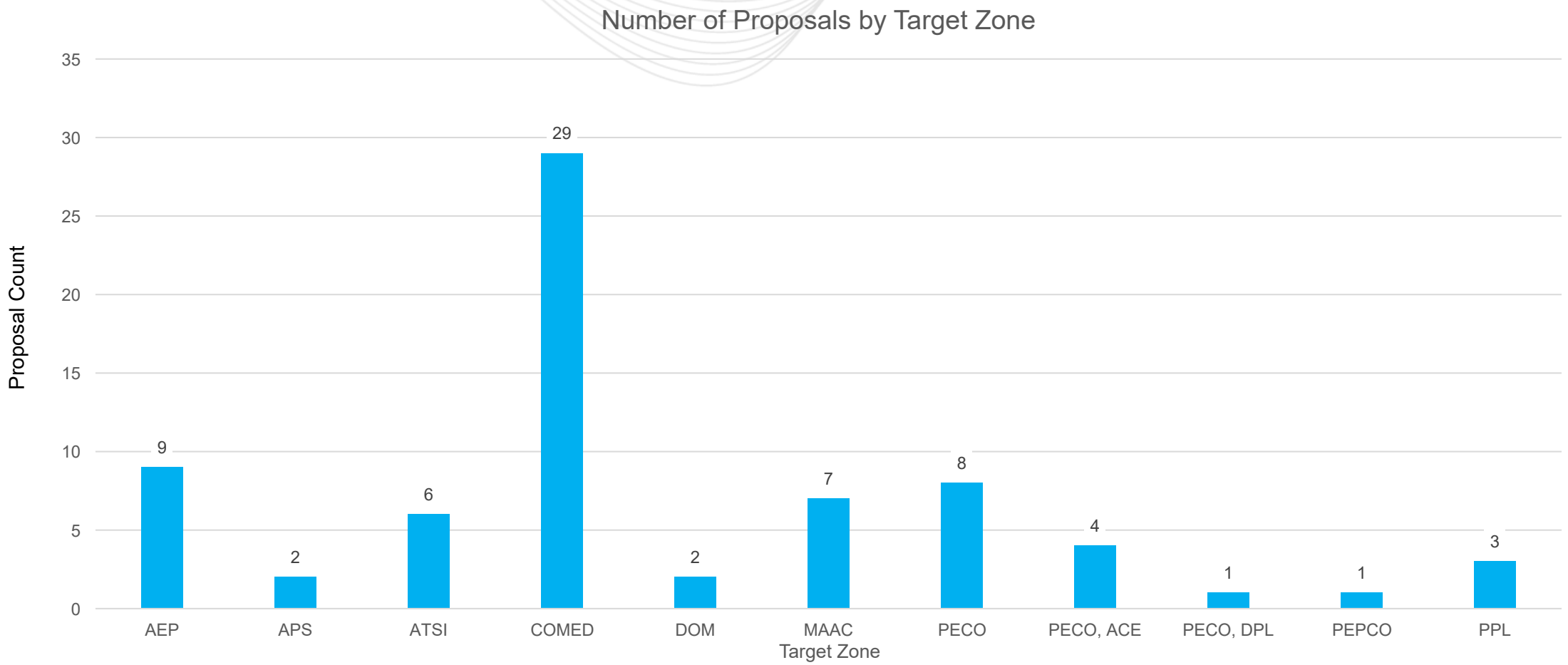
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Total Proposal Costs by KV Level



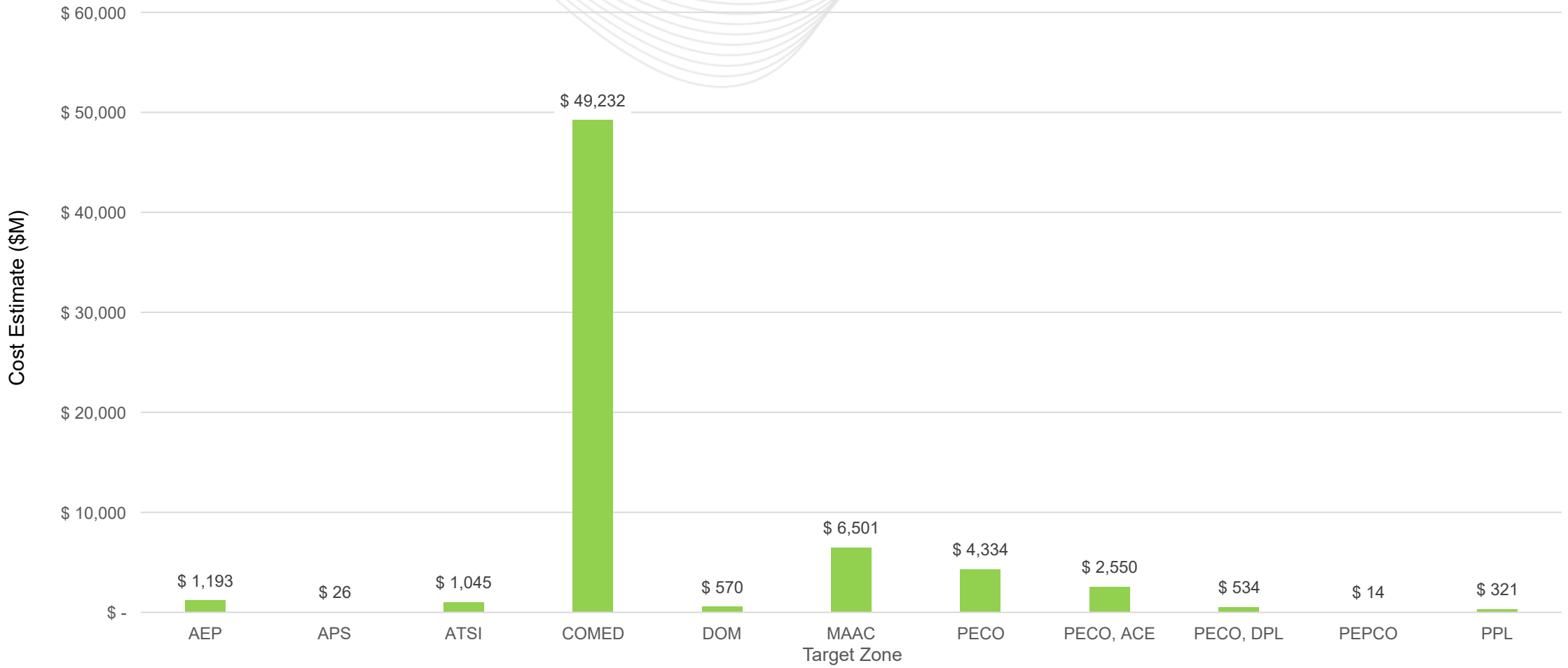
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Number of Proposals by Target Zone



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Total Proposal Costs by Target Zone



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Progress

- Maps for all proposals are being created
- Deficiency review (First round is complete)
  - Entities have been notified of deficiencies
  - PJM is waiting for responses back
- PJM and developer meetings
- The Generation Deliverability studies have been started for projects that are complete (non-deficient)
- PJM is targeting to bring proposals for first read for competitive baseline projects starting from the Dec. TEAC meeting and non-competitive baseline projects starting from the Nov. SRRTEP meeting

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RTEP 2024 Window #1
Projects ISD and Cost Changes
Valley Link Transmission

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Valley Link Transmission Project Schedule & Cost Estimate Update

- Projects were selected through the 2024 Open Window #1; proposals: 2024-W1-967, 2024-W1-820 and 2024-W1-708.
- Original proposals assumed a June 1, 2029 in-service date across all project components.
- Revised in-service dates, shown on the following slide, reflect the results of post-award project development, including more detailed routing analysis, expanded stakeholder and regulatory engagement and further development of permitting and other required approvals.
- The original $2,995M[1] cost estimate (2024 dollars) has been updated to $5,115M (2026 dollars).
- The increase reflects project maturation and the reality of current market conditions, primarily driven by:
  - Construction labor / outside services, reflecting significant national infrastructure investment that is driving competition for highly skilled construction resources;
  - Right-of-way and land costs which continue to increase at unprecedented multiples; and
  - Material and equipment costs which increased from the original bid assumptions.
- The revised cost estimate incorporate land costs supported by recent market studies, construction costs informed by early contractor involvement and material costs validated through competitive bidding, providing a more developed basis then was available during the original 2024 Open Window proposal.
- Valley Link will continue to advance cost mitigation and market validation initiatives, including more detailed routing, design and engineering analysis and competitive construction bidding.

[1] Original cost estimate included b4000.346 $5.00M, originally awarded to Valley Link Transmission, was re-designated to Dominion/Vepco. b4000.358 $45.60M, originally awarded to Valley Link Transmission, has been cancelled.

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RTEP 2024 Window #1 Projects
Summary of ISD and Cost Changes

RTEP ID	Project Description	Entity	Original Cost Estimate ($M 2024)[1]	Updated Cost Estimate ($M 2026)	Original ISD	Revised ISD
b4000.2	Construct a new 175 miles Amos to Welton Spring 765 kV line. (AEP Section of the line is 30 miles)	VLT WV	150.00	277.79	6/1/2029	5/31/2031
b4000.3	Construct a new 175 miles Amos to Welton Spring 765 kV line. (APS/FE Section of the line is 145 miles)	VLT WV	725.00	1,356.28	6/1/2029	5/31/2031
b4000.4	Construct a new 765 kV switchyard (Welton Spring)	VLT WV	92.28	145.68	6/1/2029	5/31/2031
b4000.5	Install four 250 MVAR shunt capacitors, and a +/-500 MVAR STATCOM at Welton Spring 765 kV substation	VLT WV	121.54	193.11	6/1/2029	5/31/2031
b4000.6	Construct a new 86 miles Welton Spring to Rocky Point 765 kV line (Welton Spring to DVP local area, roughly 21 miles) (VA Portion)	VLT VA	105.00	293.00	6/1/2029	5/31/2031
b4000.7	Construct a new 86 miles Welton Spring to Rocky Point 765 kV line (in DVP local area/Millville to Lovettsville section, roughly 10.5 miles)	VLT VA	52.50	144.31	6/1/2029	5/31/2031
b4000.8	Construct a new 86 miles Welton Spring to Rocky Point 765 kV line (DVP local area to Rocky Point, roughly 4.8 miles)	VLT MD	24.00	59.61	6/1/2029	5/31/2031
b4000.9	Construct a new substation called Rocky Point with a 765 kV and a 500 kV yard. Loop in the Doubs-Goose Creek 500 kV line, the Doubs-Aspen 500 kV line, and the Woodside-Goose Creek 500 kV line. Install two 765/500 kV transformer at Rocky Point substation	VLT MD	254.70	316.32	6/1/2029	5/31/2031
b4000.10	Install four 250 MVAR cap banks (two on 765 and two on 500 kV side) and a +/-500 MVAR STATCOM on the 765 kV Rocky Point yard	VLT MD	121.00	148.86	6/1/2029	5/31/2031
b4000.15	Construct a new 86 miles Welton Spring to Rocky Point 765 kV line (Welton Spring to DVP local area, roughly 50 miles) (WV Portion)	VLT WV	248.50	478.58	6/1/2029	5/31/2031
b4000.348	Build a new 500/230kV substation called Thornburg. The 500kV, 5000A ring bus will be set up for a redundant breaker configuration. Install (2) 1400MVA 500/230 kV transformers. A new redundant breaker ring will be added at Thornburg to accommodate the new 500kV line from North Anna to Thornburg.	VLT VA	84.41	142.80	6/1/2029	1/18/2030
b4000.355	Build a new 115 mile 765kV line from Joshua Falls – Yeat. (Roughly 1 mile in AEP section).	VLT VA	341.17	11.88	6/1/2029	1/17/2031
b4000.356	Build a new 115 mile 765kV line from Joshua Falls – Yeat. (Roughly 114 miles in Dominion section).	VLT VA	426.83	1,176.44	6/1/2029	1/17/2031
b4000.357	Build a new 765/500KV substation called Yeat. Install (2) 765/500 kV transformers. Cut in 500kV line Spotsylvania – Morrisville into Yeat.	VLT VA	197.10	370.34	6/1/2029	1/17/2031
Total			**$2,944.03**	**$5,115.00**		

[1] b4000.346 $5.00M, originally awarded to Valley Link Transmission, was re-designated to Dominion/Vepco. b4000.358 $45.60M, originally awarded to Valley Link Transmission, has been cancelled. The 2024 proposal, inclusive of these projects, was $2,994.63M.

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Appendix

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2026 RTEP W1 – Proposal List

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2026 RTEP Window 1 Proposals

Proposal ID	Proposing Entity	Focus Area	Project Title	Submitted Cost ($M)
3	CNTLTM	ComEd - Zone (Partial 2)	Zion - Cook 3000 MW HVDC link, Elwood - Joliet overhead 345 KV line	2440.79
15	CNTLTM	ComEd - Zone	Zion - Cook 3000 MW HVDC link, Elwood - Joliet, Byron - Pleasant Valley, Nelson - Plano overhead 345 KV lines	2951.14
17	NXTMID	ComEd Zone	Polk - Des Plaines HVDC	3294.94
26	AEPSCT	AEP-1	Beatty-Wilson 138kV Line Rebuild	46.12
27	TRNSRC	Dominion	VA 138kV & 115kV Solution	172.37
33	NXTMID	ComEd Zone	Polk - Waukegan HVDC	2965.32
56	LONMID	ComEd - Zone	Double circuit 345 KV West Chicago pathway, New 345kV Orchard substation looping from Plano - Electric Junction, extends line into Pleasant Valley substation looping in Silver lake / Cherry Valley / Prarie Line. Siverlake expanded to loop in Tollway - Grayslake / Libertyville Blue line.	819.48
61	COMED	ComEd - Zone	Wayne - Itasca and Joliet - Elwood double circuit 345 KV lines, Byron - Charter Grove-Wayne single 345 KV lines.	618.55
92	AEPSCT	AEP-2	Racine-Ripley Station Upgrades	1.76
94	ATSI	ATSI-1	Melbourne Substation Reinforcement	115.09
138	CNTLTM	ComEd - Zone	Zion - Cook 2250 MW HVDC link, Elwood - Joliet, Byron - Pleasant valley, Nelson - Plano overhead 345 KV lines	2561.82
181	PE	PECO	Cooper - Peach Bottom Tap - Nottingham 230kV Upgrades	332.41
216	CNTLTM	ComEd - Zone	345 KV switching station, McCook, Bedford Park, Golf Mill underground 345 KV lines, Elwood - Joliet, Byron - Pleasant Valley, Nelson - Plano overhead 345 KV lines	1345.54
219	VIRIMA	ComEd - Zone	Plano - Grayslake hybrid (Solution B)	375.17
230	LONMID	ComEd - Zone	Wilton Center - Zion Energy center 3000 MW HVDC. New Wilton Center - Greentown (AEP/Indiana Michicgan) single circuit 765 kV AC line	2879.94
258	TRNSRC	ATSI-1 & ATSI-2	Varner - East Fayette - Melbourne 345kV & 138kV	427.58
259	PPLTO	PECO	Brandywine - Limerick 500 kV line (DCT with existing Peach Bottom - Limerick 500 kV line)	207.39
283	PPLTO	PECO	Lauschtown - Brandywine - Pilottown 500 kV line and Sugars Bridge 230 kV Station	1016.94
287	POTOED	APS-1	230 KV current limiting reactors at Doubs Substation	20.27
296	ATSI	AEP-1	Cole-Manor Park, Beatty-Cyprus 345 kV lines	224.46
301	NXTMID	ComEd Zone	Polk - Des Plaines HVDC + Polk - Sheldon East 765 kV	3810.57
313	NXTMID	ComEd Zone	Polk - Waukegan HVDC + Polk - Sheldon East 765 kV	3468.66
327	TRNSRC	ComEd - Zone	Plano - Hanging Valley - Grayslake 765kV & 345kV	2652.86
373	NXTMID	ComEd Zone	Sheldon - Wilton Center 765 kV	629.64

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2026 RTEP Window 1 Proposals

Proposal ID	Proposing Entity	Focus Area	Project Title	Submitted Cost ($M)
391	PPLTO	PECO	Lauschtown - Brandywine - Pilottown 500 kV line and Sugars Bridge 230 kV Station (Increased brownfield alternative)	1214.11
402	CNTLTM	ComEd - Zone (Partial 1)	Byron - Pleasant Valley 345KV line, Nelson - Plano overhead 345 KV line	510.36
419	AEPSCT	AEP-1	Beatty-Wilson 138kV Sag Study	17.27
430	COMED	ComEd - Zone	S2 Wayne-Itasca Proposal Package	608.82
435	PPLTO	2034 MAAC	Juniata - Sunbury 500 kV DCT Line Rebuild	89.53
437	COMED	ComEd - Zone	S3 Wayne-Itasca and Joliet-Elwood Proposal Package	659.71
454	AEPSCT	AEP-1	Beatty-White Road Terminal Equipment Upgrades	0.63
477	PE	PECO	New 500kV lines from Bramah (Transource) to Keeney (DPL) and Keeney to Red Lion (DPL)	533.66
479	NXTMID	ATSI-1	Northwest Ohio 345 kV	209.44
516	VIRIMA	ComEd - Zone	Plano - Grayslake (Solution A)	347.57
523	TRNSRC	ATSI-1	Midway - Melbourne 345kV	111.58
524	CNTLTM	ComEd - Zone (Partial 1)	Byron - Pleasant Valley 345KV line	298.43
530	NXTMID	AEP-1	Expand 345 KV transmission system in Central Ohio	211.03
563	TRNSRC	ComEd - Zone (Partial 2)	DC Cook - Zion 525kV HVDC	4531.78
594	ATSI	ATSI-2	East Fayette - Melbourne 138 kV Line	103.92
596	PE	PECO	New 500kV Line from Bramah to Nottingham	566.14
602	VIRIMA	ComEd - Zone	Emerald midpoint (Solution C)	497.14
608	COMED	ComEd - Zone	Reconductoring / rebuilding existing lines, replacing terminal equipment, line cut-ins, etc in ComEd	645.12
615	PPLTO	2034 MAAC	Juniata - Lewistown 230 kV # 2 line	204.25
644	NXTMID	AEP-1	Central Ohio Expanded 345 kV	593.83
662	NXTMID	2034 West-to-East	Isabella 765/500 kV Greenfield Substation	339.06
674	PPLTO	2034 MAAC	Juniata - Sunbury 500 kV DCT Line Rebuild (Single Circuit Initially)	27.54
691	NXTMID	2034 West-to-East	Buttermilk Falls Expansion	315.59
718	AEPSCT	AEP-1	Beatty-Wilson 138kV Reconductoring	34.83
727	NXTMID	2034 West-to-East	Mountain Stone Expansion	322.12
733	VIRIMA	ComEd - Zone	Emerald Midpoint hybrid (Solution D)	675.61

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2026 RTEP Window 1 Proposals

Proposal ID	Proposing Entity	Focus Area	Project Title	Submitted Cost ($M)
740	LONMID	ComEd - Zone	345 kV reinforcement of western and northern ComEd system in the west Chicago area. New 345 kV Orchard substation looped into existing Plano - Electric junction line, Plano - Orchard 345 KV double circuit line, Orchard to Pleasant Valley double circuit line, Pleasant Valley - Libertyville 345 KV XLPE underground circuits. Create second electrically independent 345 KV path from Plano on ComEd's western interface into northern Lake County.	1250.44
745	POTOED	APS-1	Lime Kiln Substation - Replace 230 kV breakers	5.73
756	NXTMID	2034 West-to-East	KJT Extension + Buttermilk Falls Expansion + Mountain Stone Expansion	1785.52
765	NXTMID	2034 West-to-East	Kammer to Juniata 765 kV Extension + Buttermilk Falls and Mountain Stone STATCOM Additions + Isabella 765 kV Substation	2124.58
792	COMED	ComEd - Zone	S4b Wayne-Itasca, Joliet-Elwood, Byron-Charter Grove-Wayne, & 2034 Charter Grove 765kV Proposal Package	856.12
808	COEDTR	PECO	Edge Moor to Pedricktown Reliability Link	311.72
811	PPLTO	PECO	Hosensack - Whitpain 500 kV line	284.08
829	LONMID	ComEd - Zone	Wilton Center - Zion Energy center 3000 MW HVDC	2143.12
836	CNTLTM	ComEd - Zone (Partial 2)	Zion - Cook 2250 MW HVDC link, Elwood - Joliet overhead 345 KV line	2051.47
848	PE	PECO	Chichester 230kV Bus Reconfiguration	6.82
859	CNTLTM	ComEd - Zone	Sullivan - Collins 765 KV line, 345 KV switiching station, McCook, Bedford Park, Golf Mill underground 345 KV lines, Elwood - Joliet, Byron - Pleasant Valley, Nelson - Plano 345 kV overhead lines.	2506.94
869	PE	PECO	New 500kV lines from Chanceford to Nottingham and Nottingham to Keeney	964.59
888	PE	PECO	New 500kV Line from Bramah to Nottingham to Keeney	852.64
896	PE	PECO	New 500kV Line from Chanceford (PPL) to Keeney (DPL)	600.59
900	PPLTO	PECO	Siegfried - Branchburg 500 kV line	526.32
927	CNTLTM	ComEd - Zone (Partial 2)	345 KV switching station, McCook, Bedford Park, Golf Mill underground 345 KV line, Elwood - Joliet overhead 345 KV line	835.18
937	NXTMID	2034 West-to-East	Buttermilk Falls Expansion + Mountain Stone Expansion	637.70
951	PEPCO	PEPCO	Burtonsville Series Reactors Project	13.67
955	NXTMID	2034 West-to-East	Buttermilk Falls & Mountain Stone STATCOM Additions + Isabella 765/500 kV Substation	976.76
957	AEPSCT	AEP-2	Coolville 69kV Source	62.94
978	VEPCO	Dominion	2026 DOM Reliability solutions	397.80
988	ATSI	ATSI-2	East Fayette - Melbourne 138 kV Line	77.29

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2026 RTEP W1 – Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

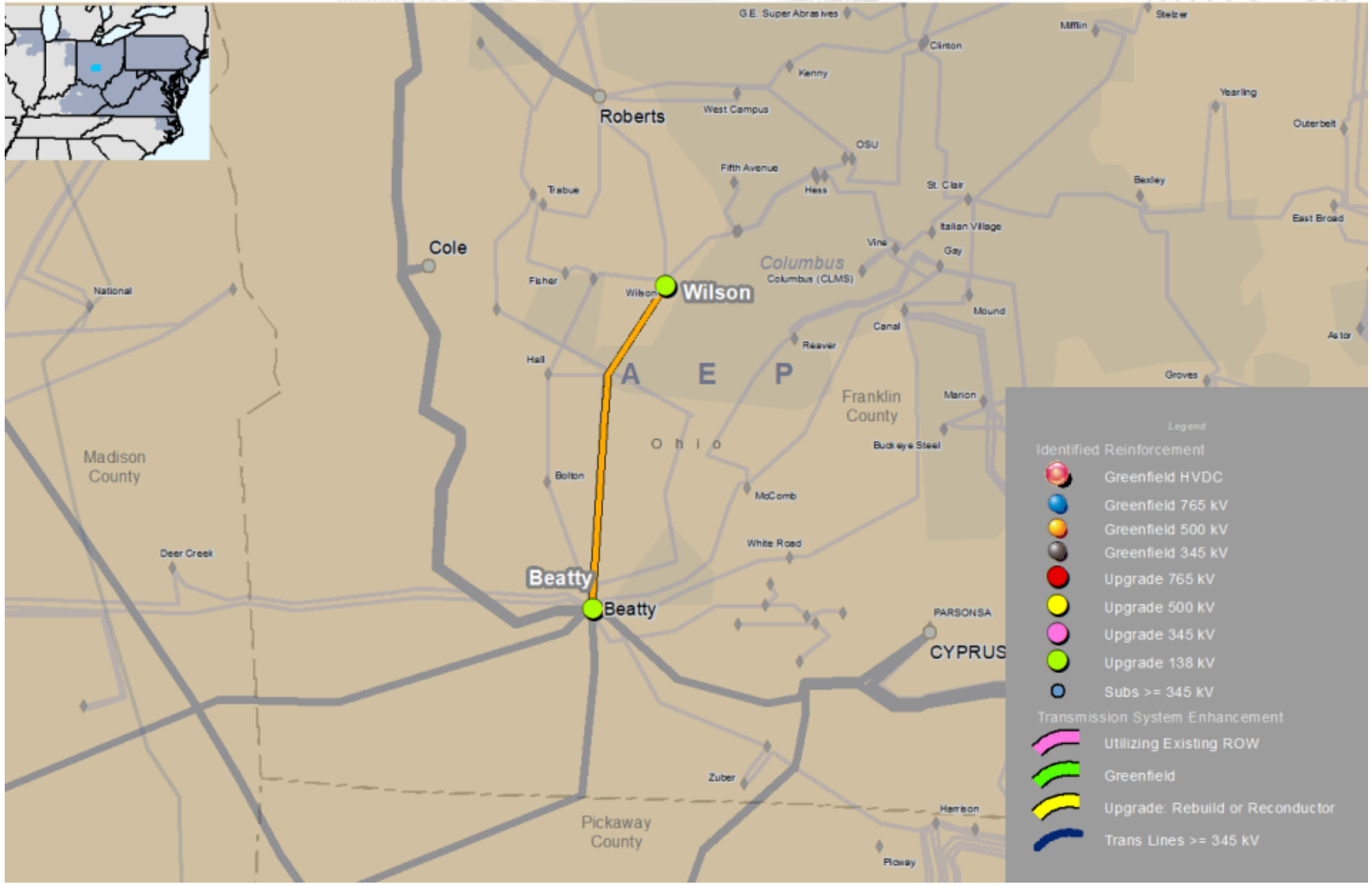
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AEP Proposal Maps

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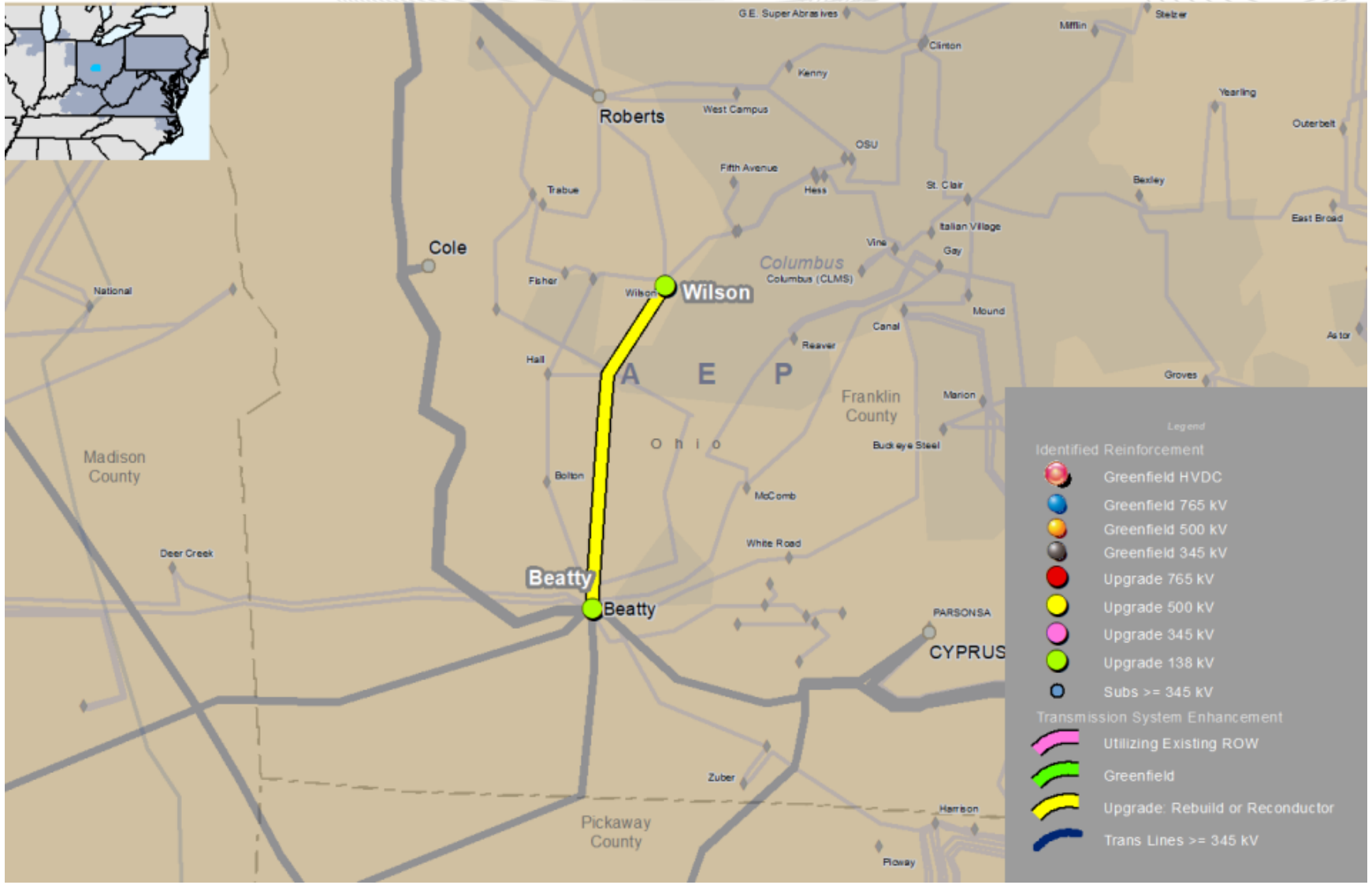
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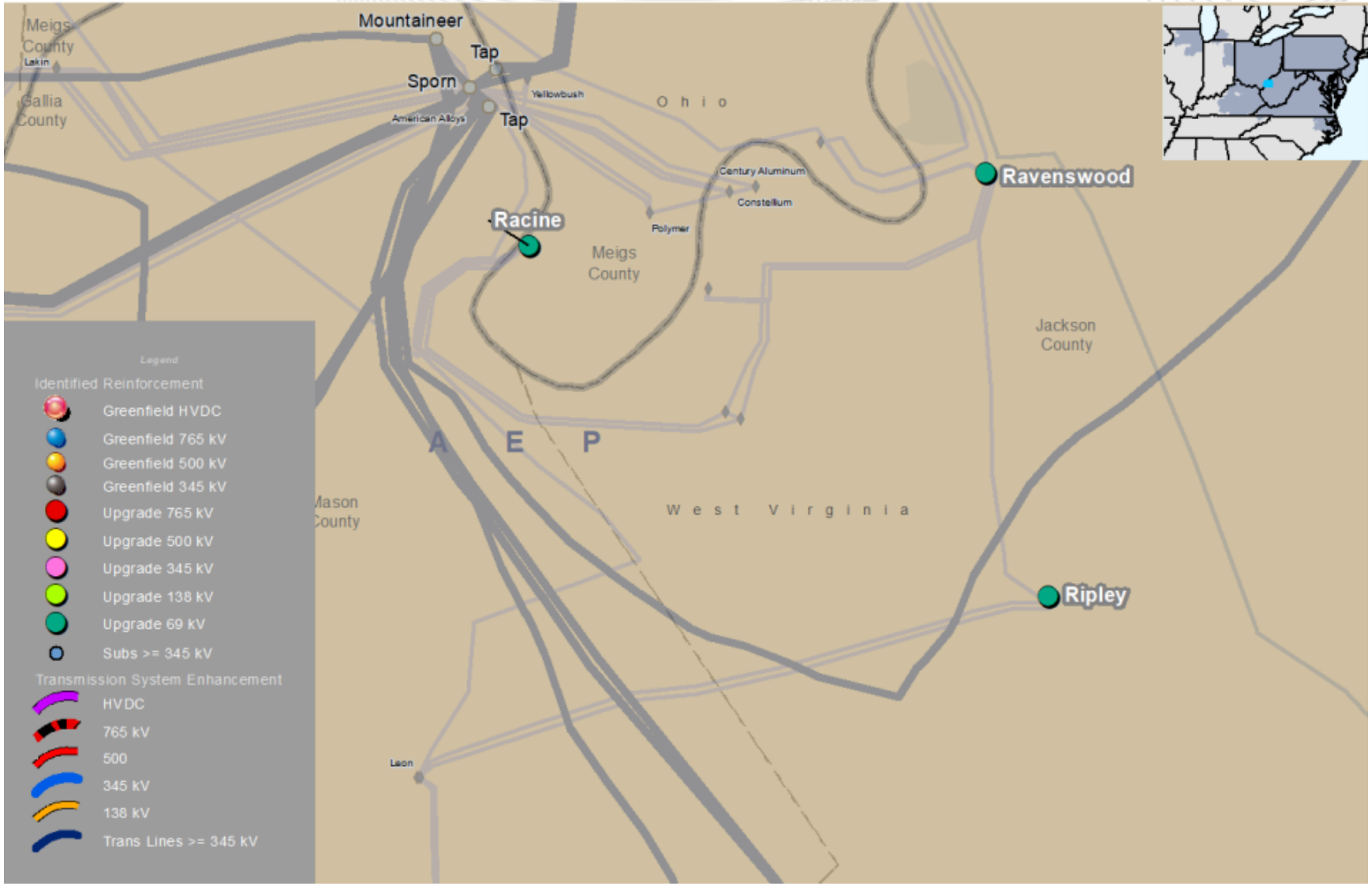
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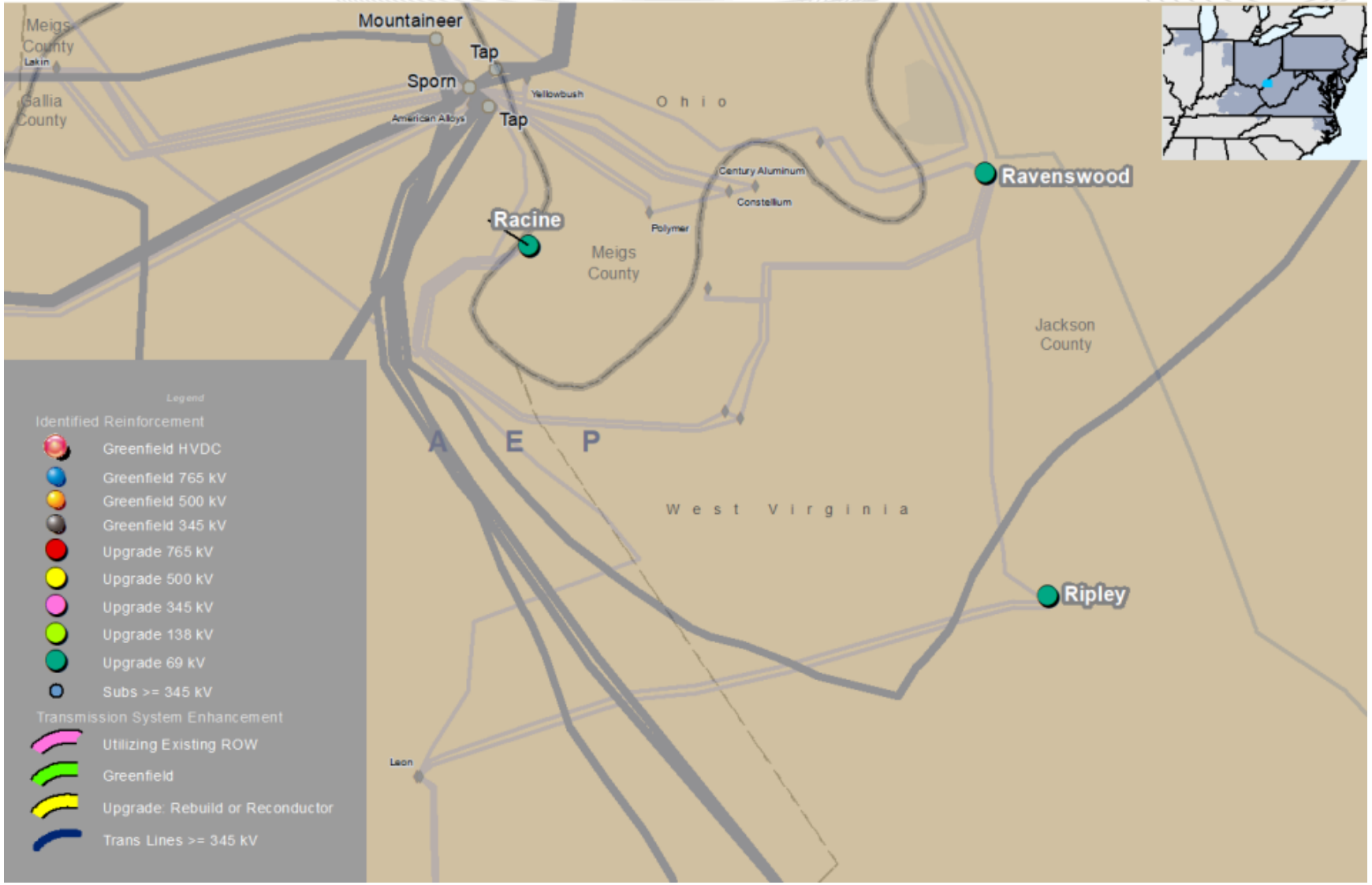
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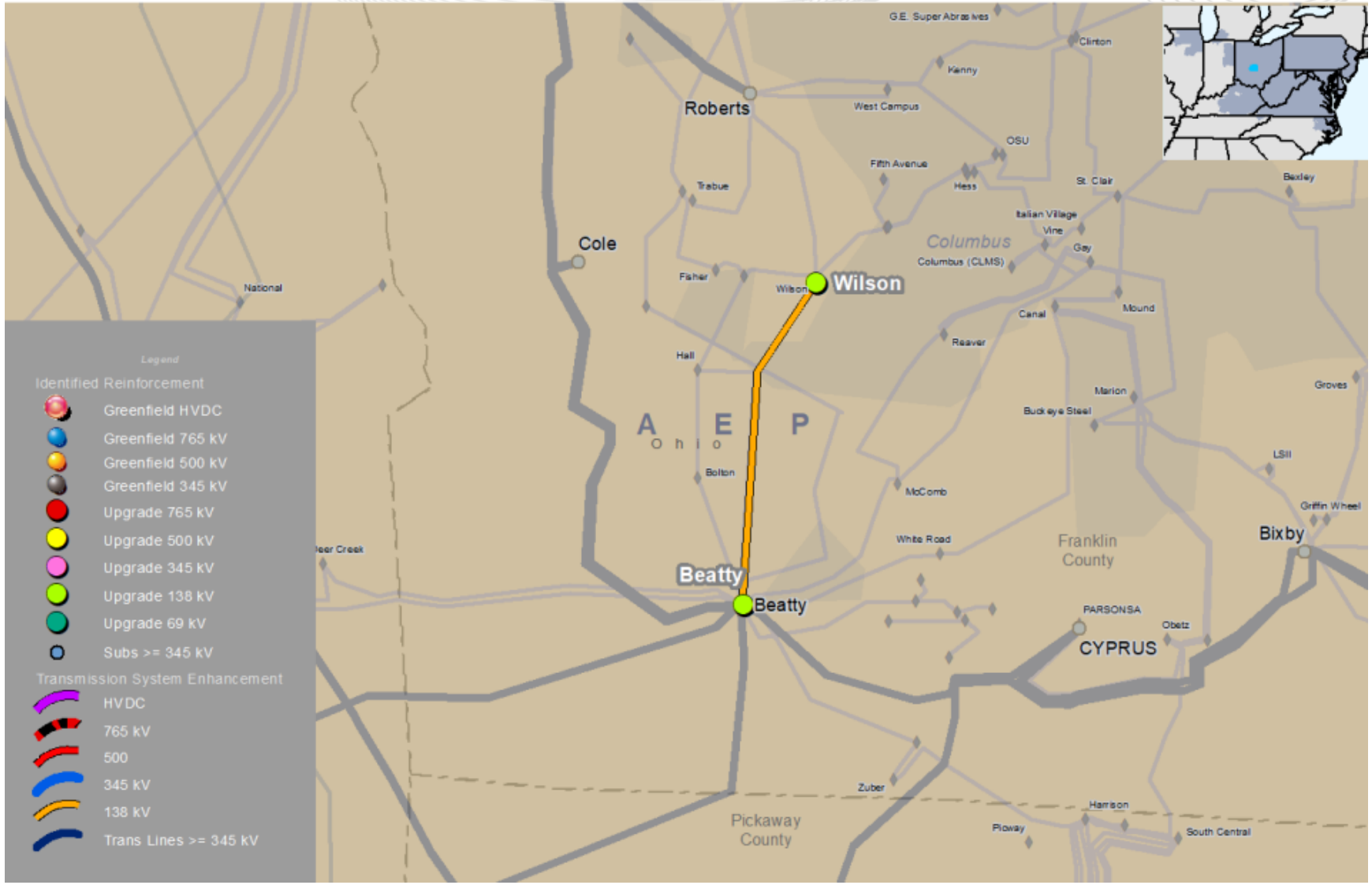
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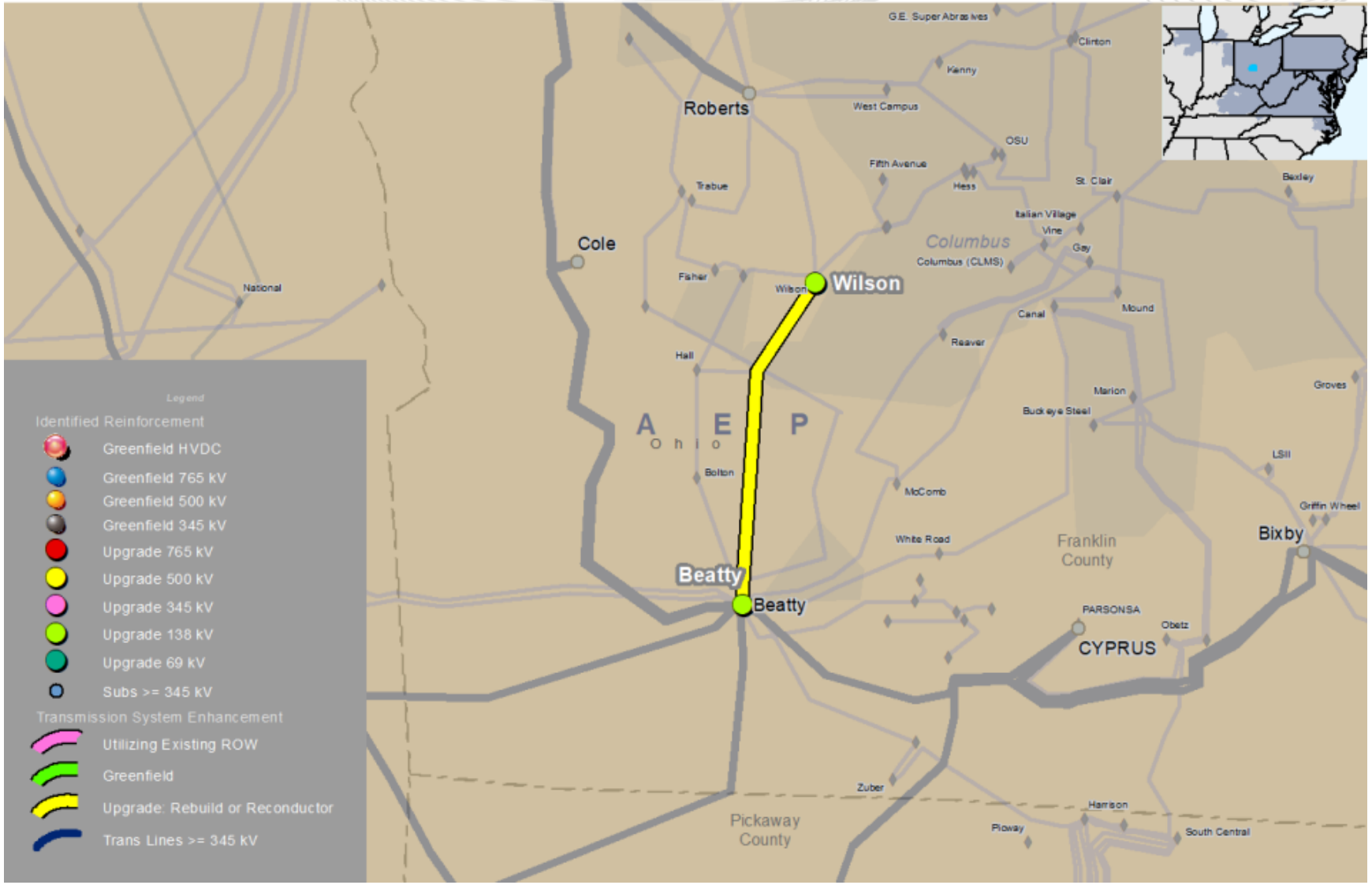
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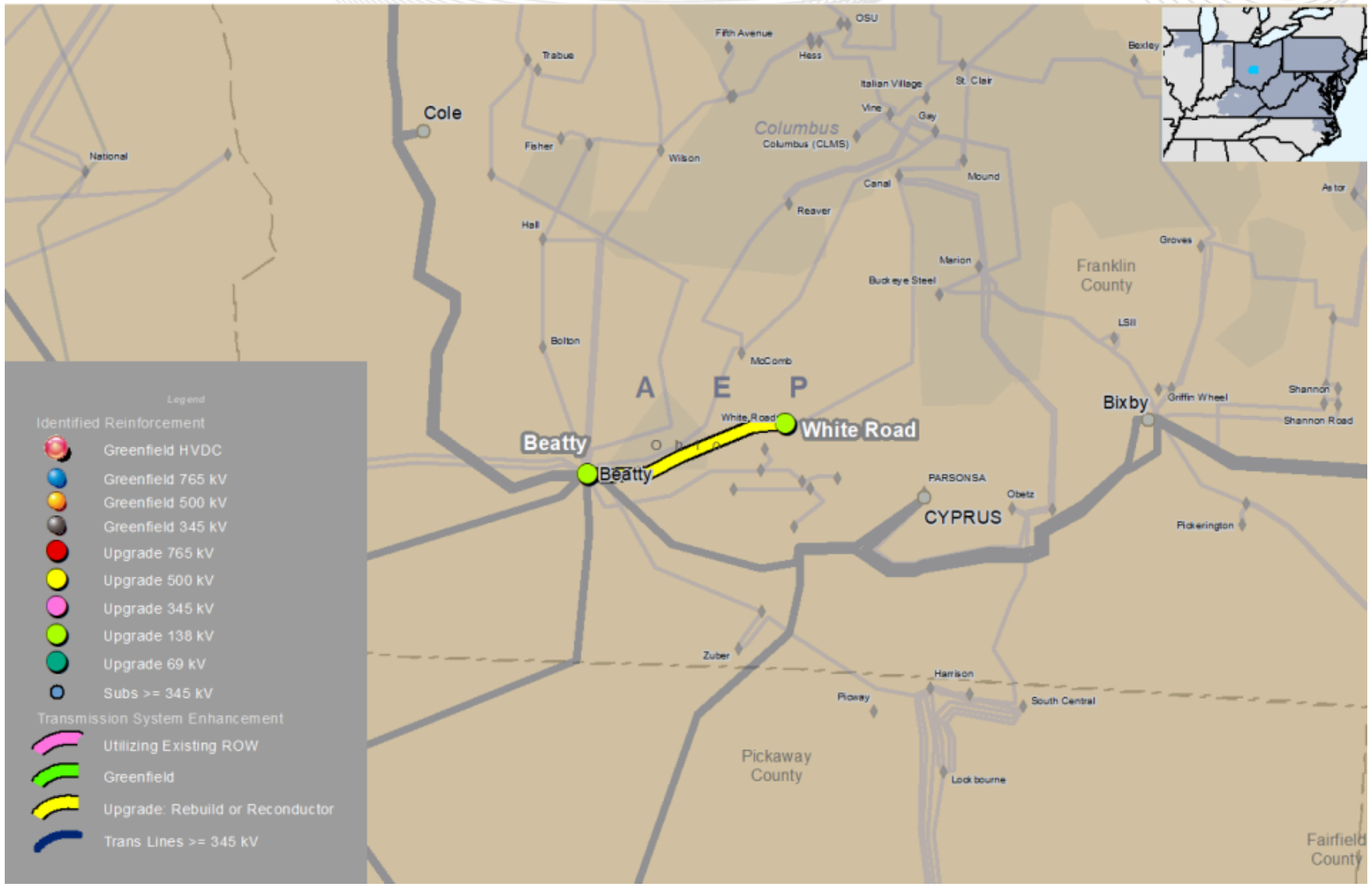
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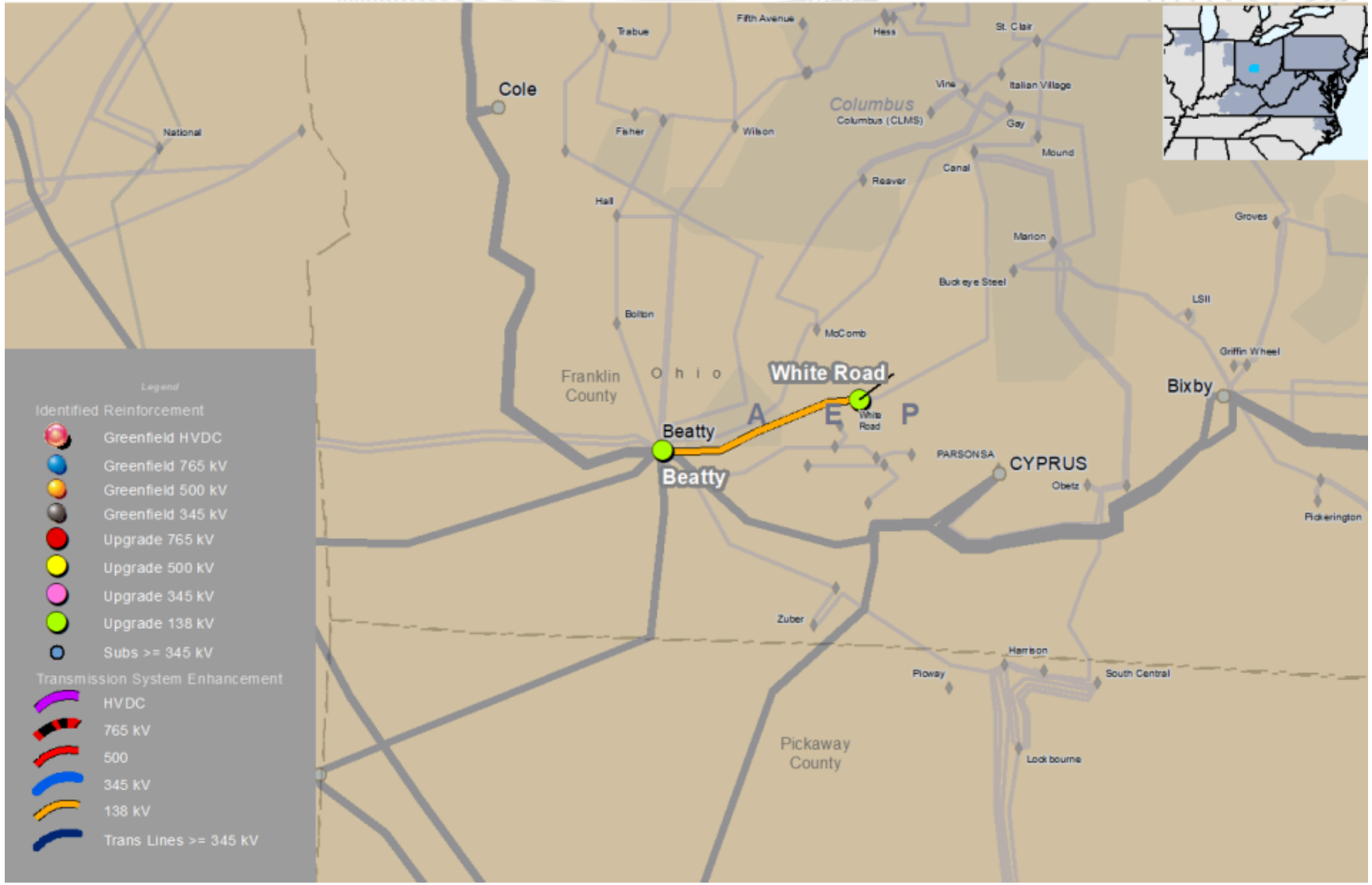
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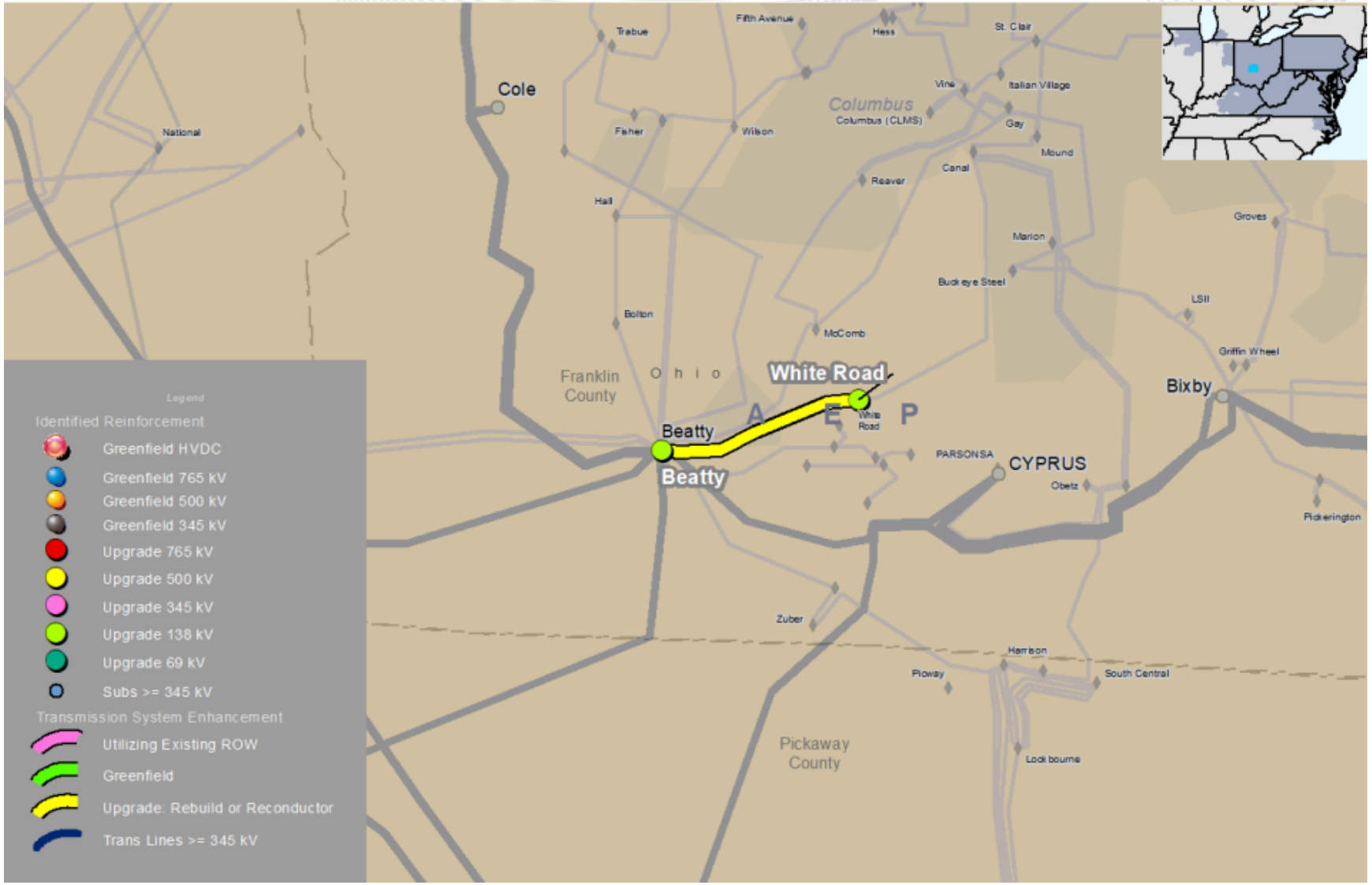
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ComEd Proposal Maps

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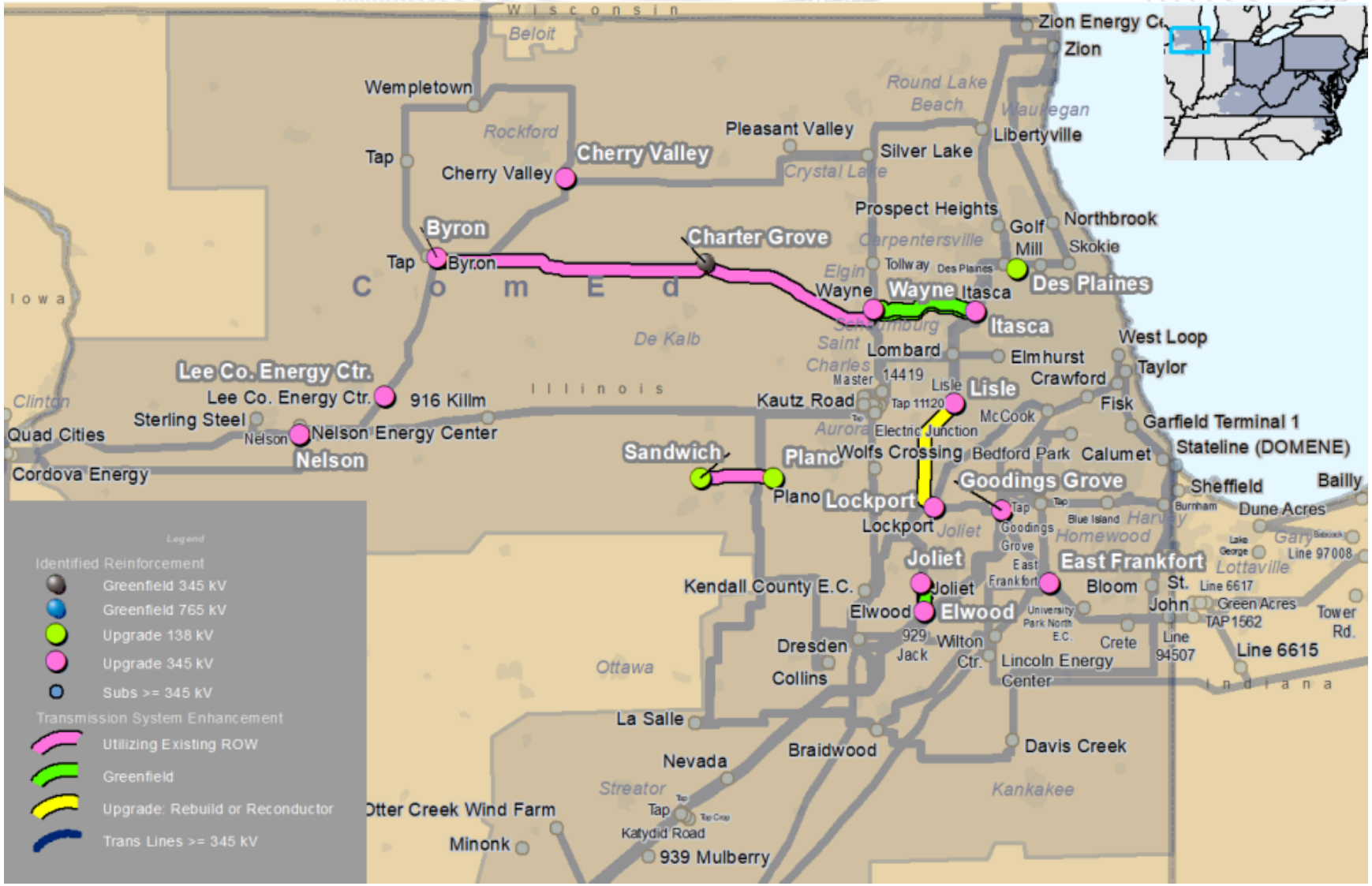
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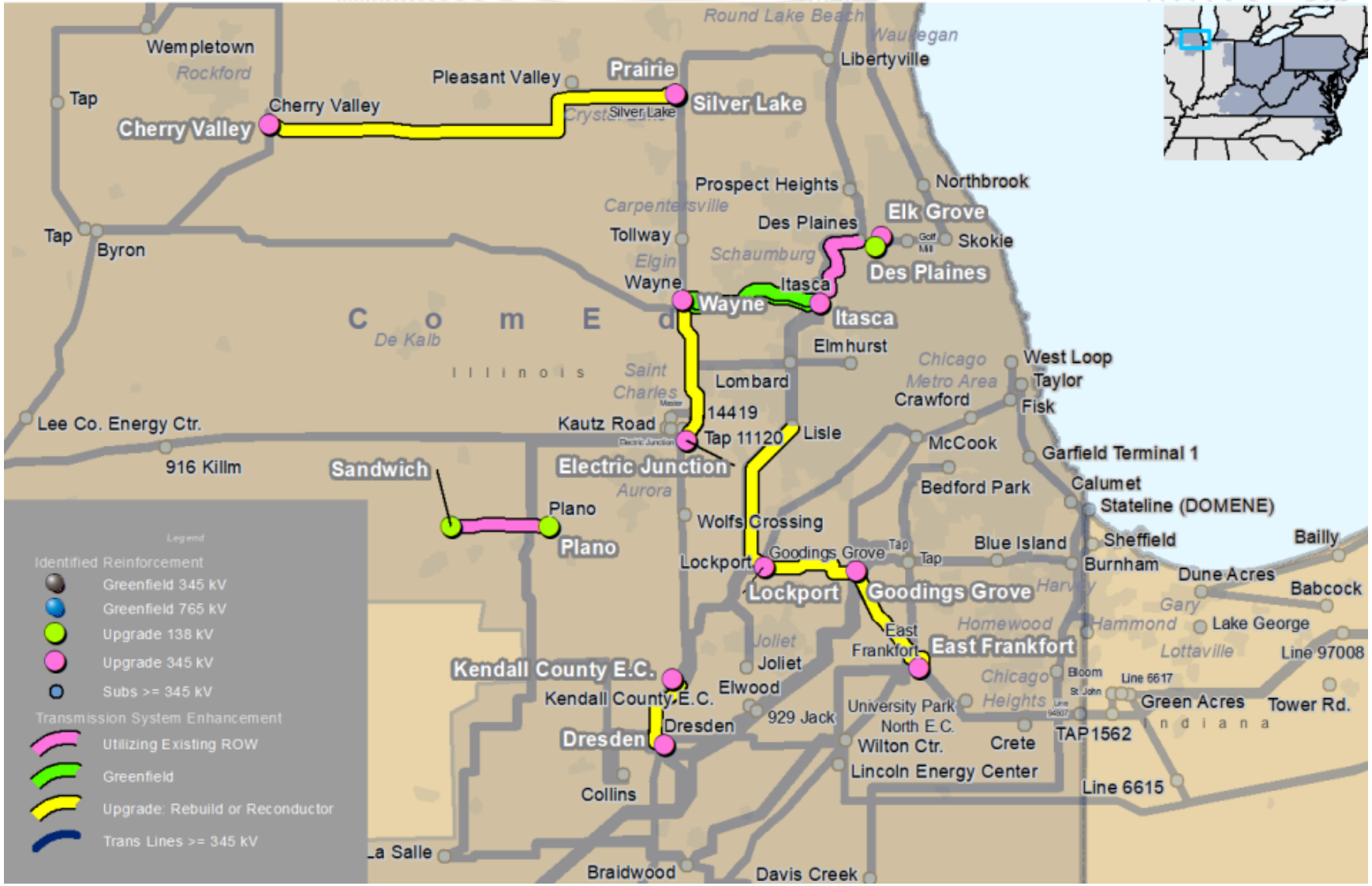
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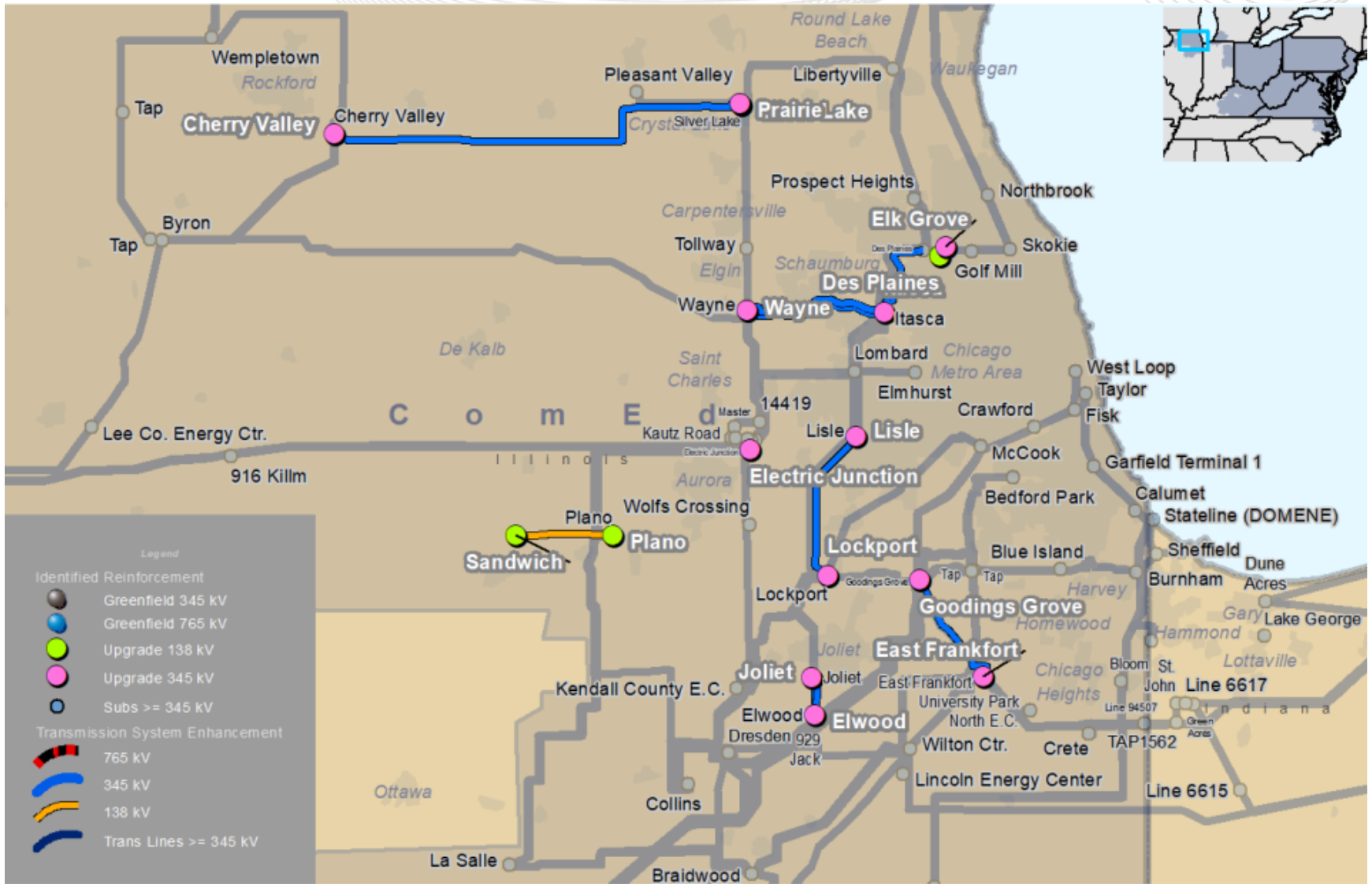
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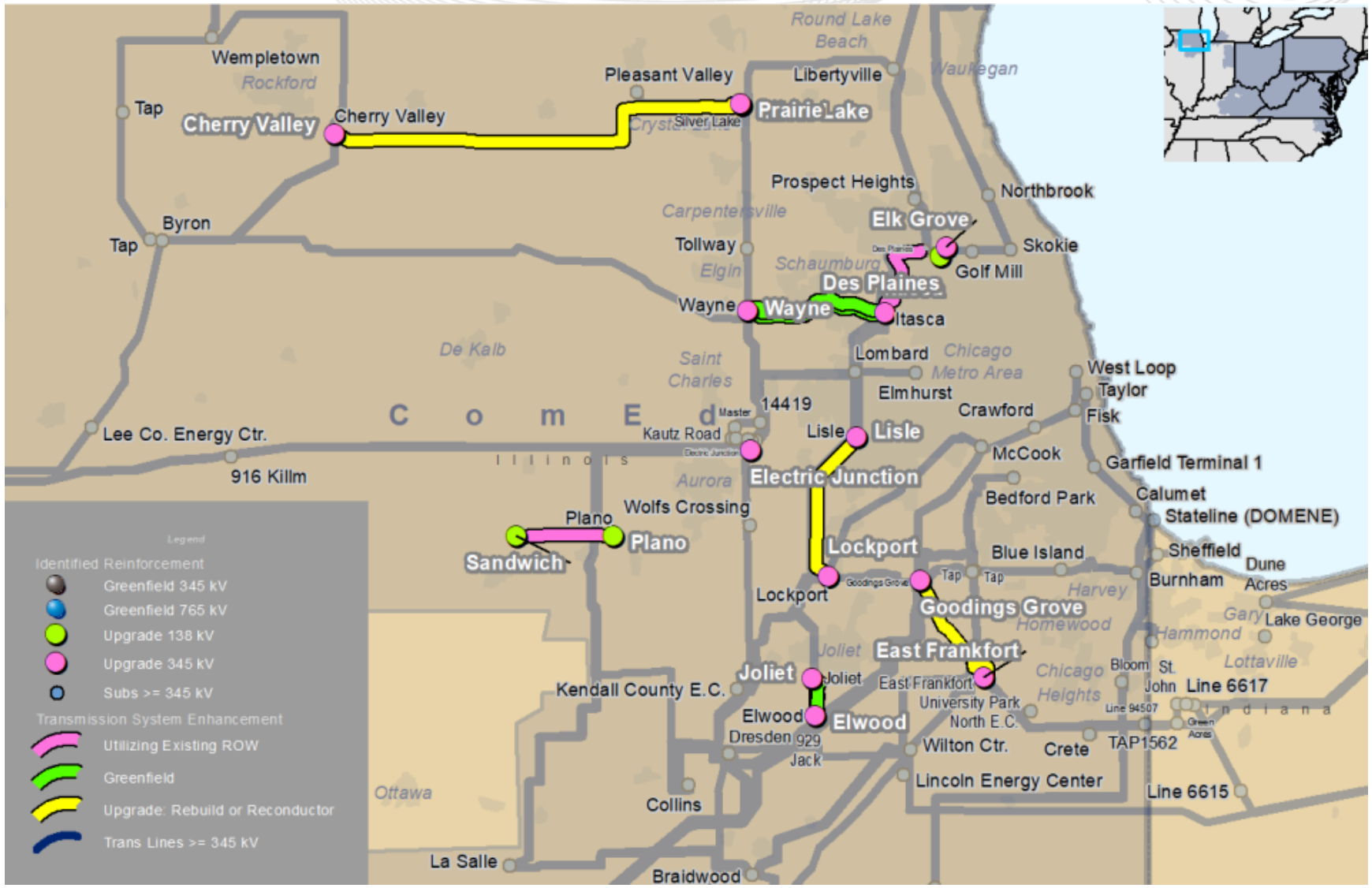
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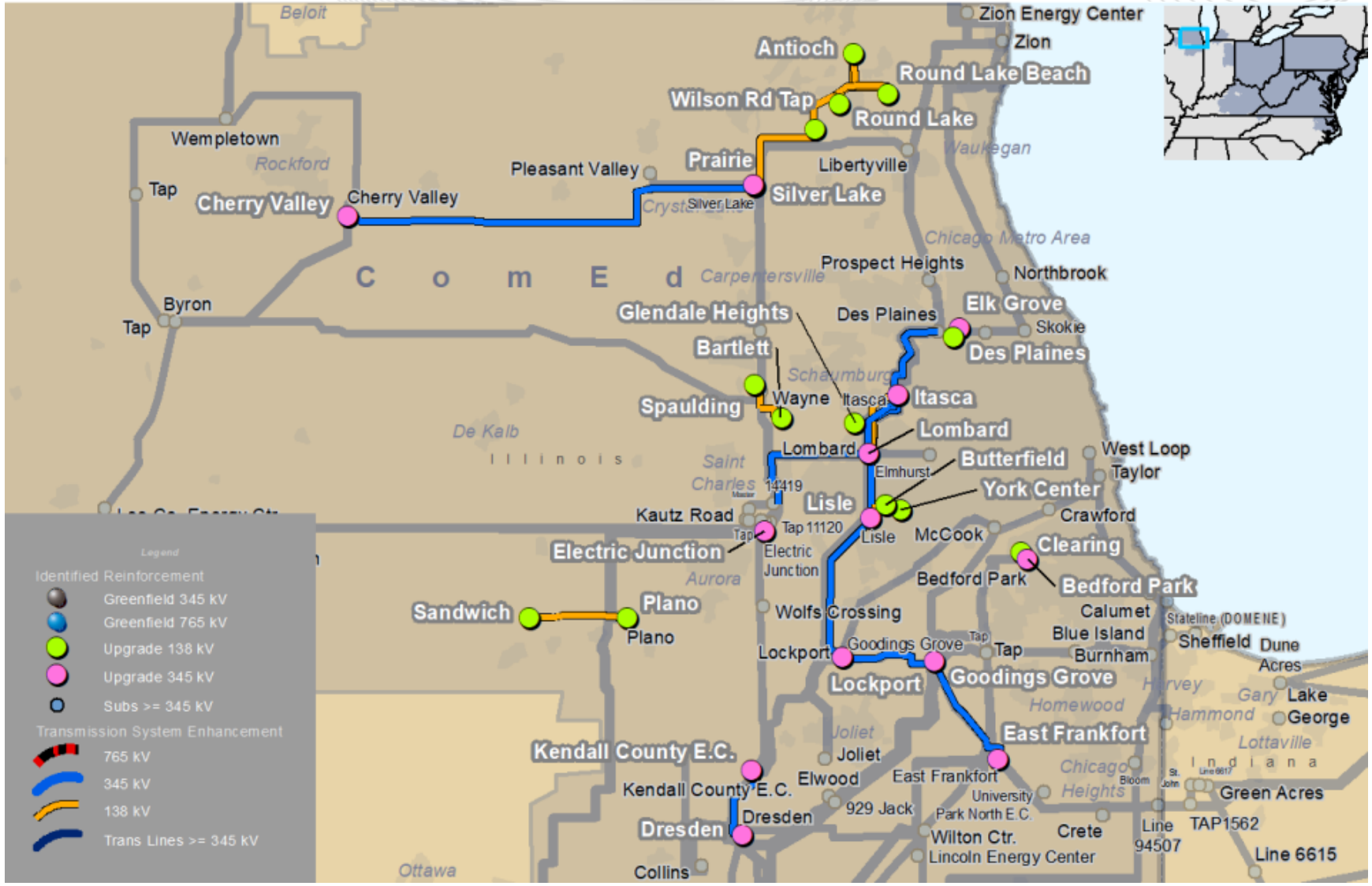
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2026-W1-437



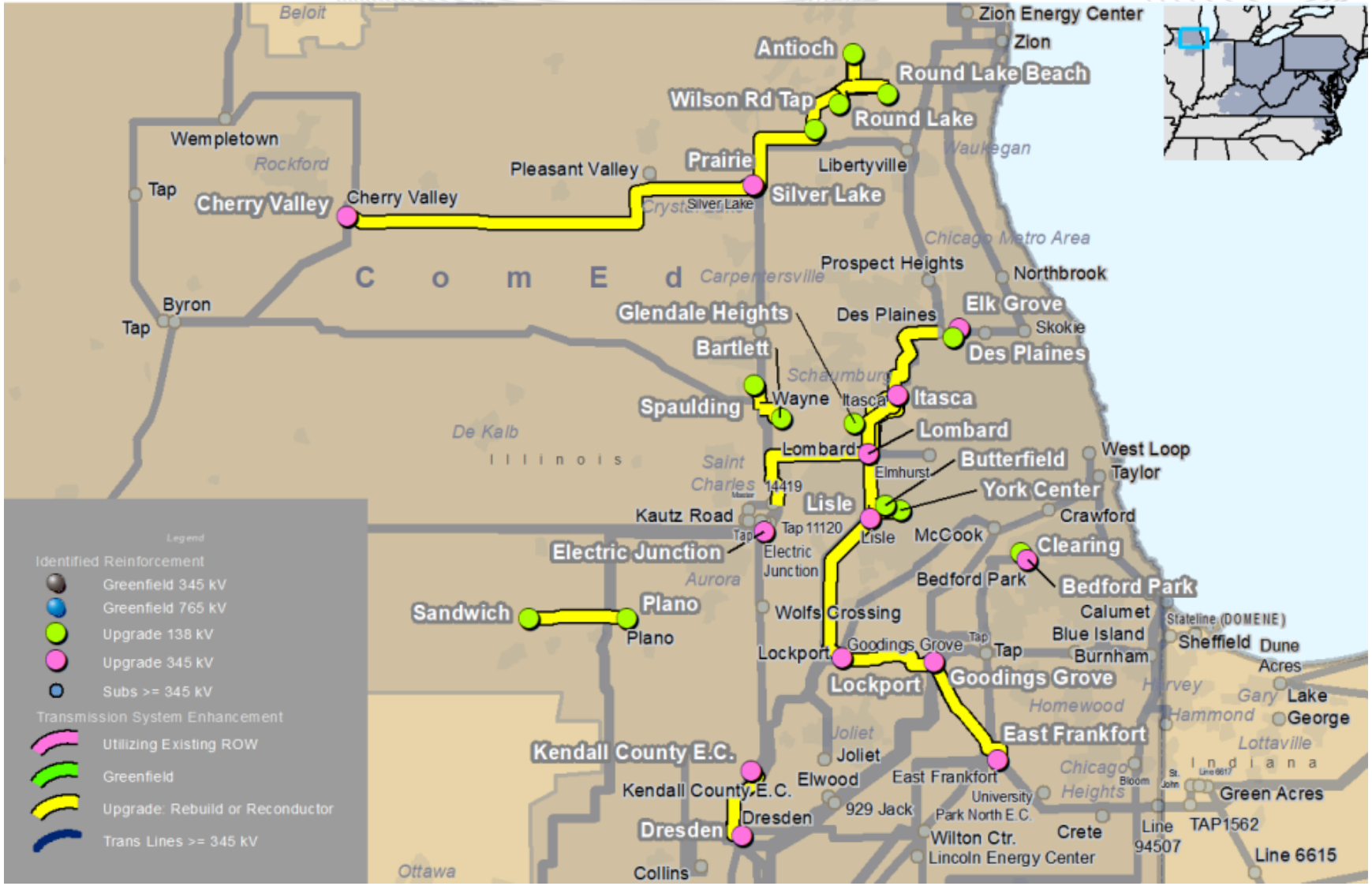
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2026-W1-608



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2026-W1-608



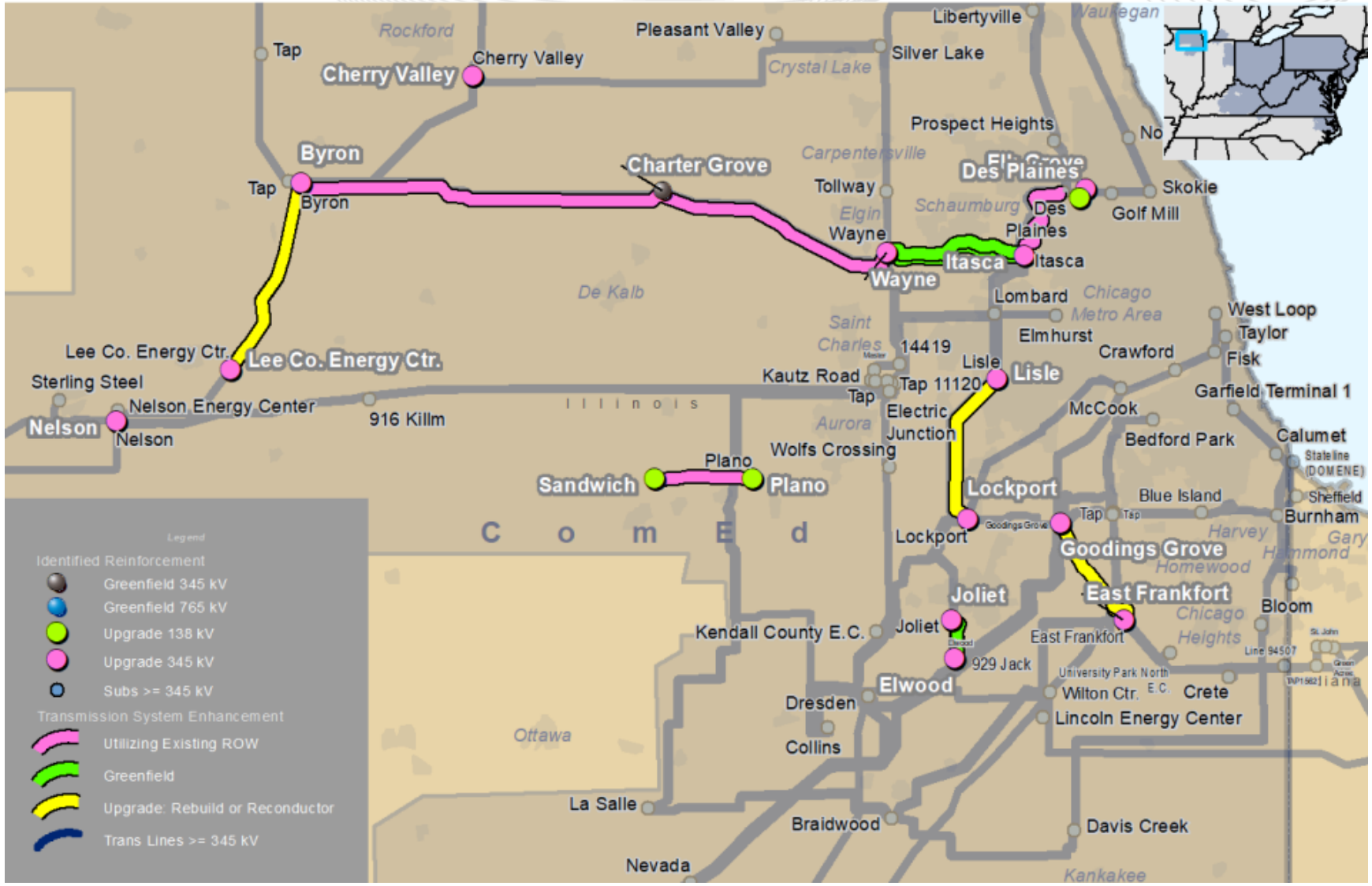
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2026-W1-792



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2026-W1-792



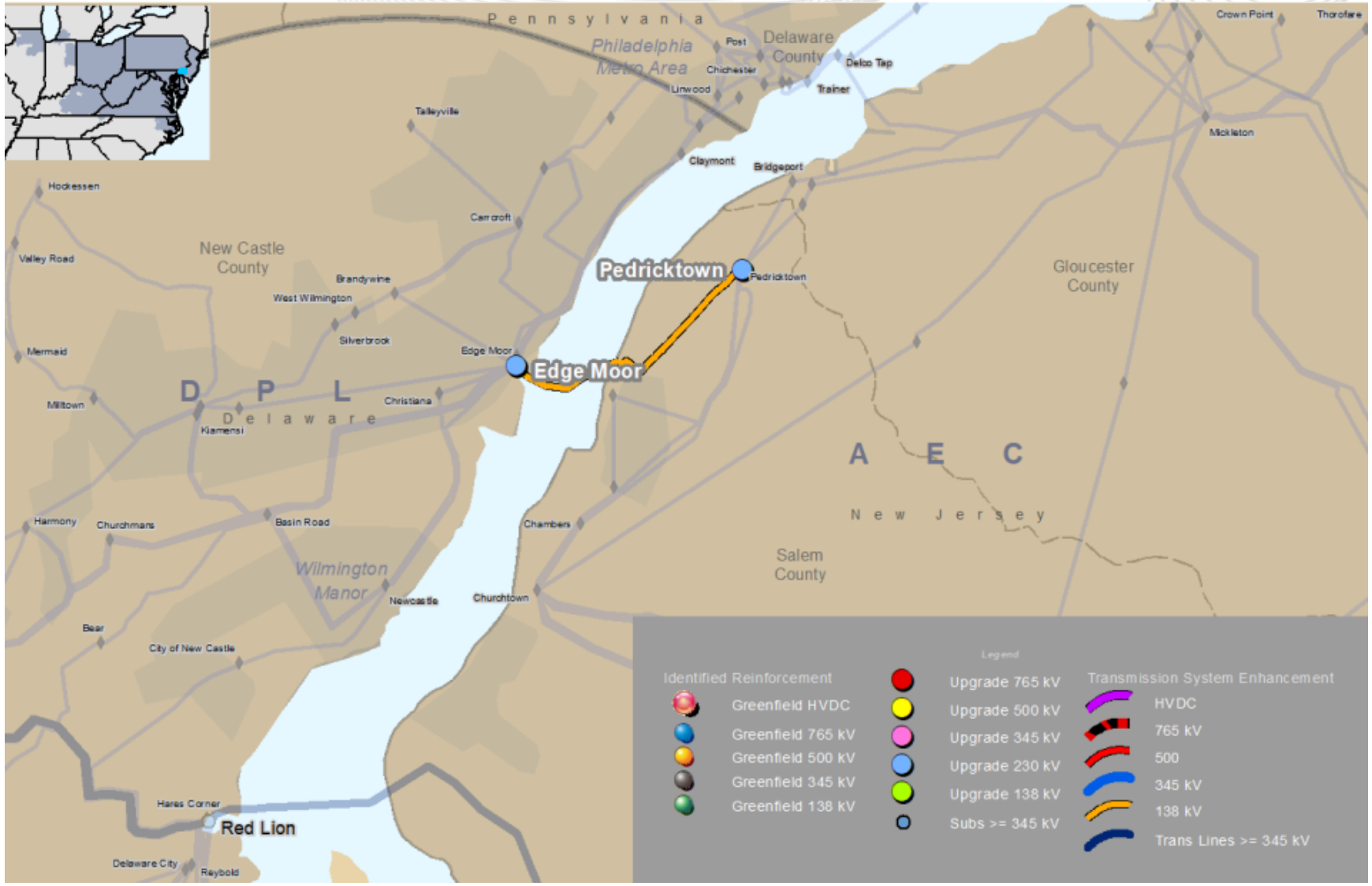
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ConEd Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

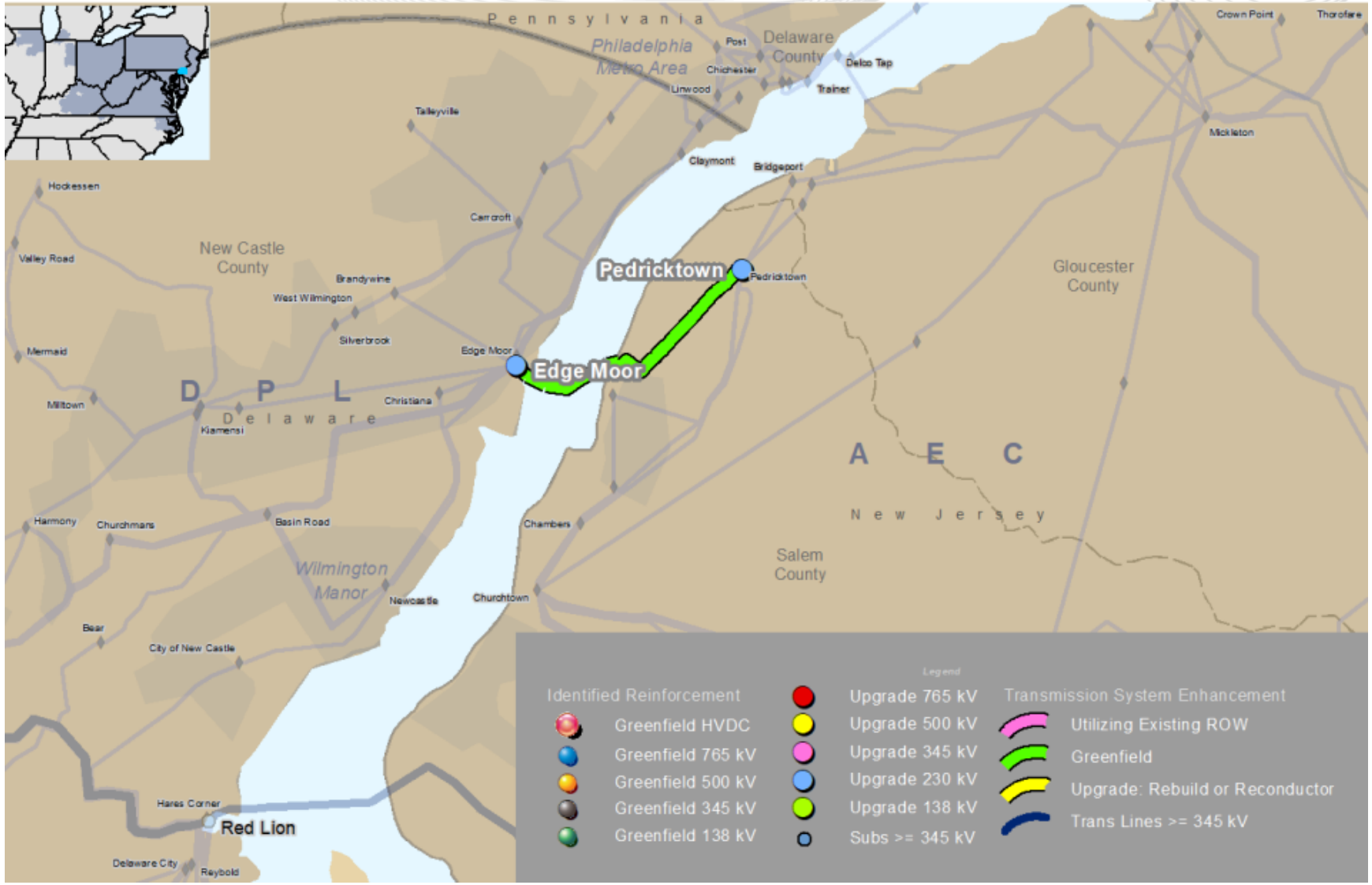
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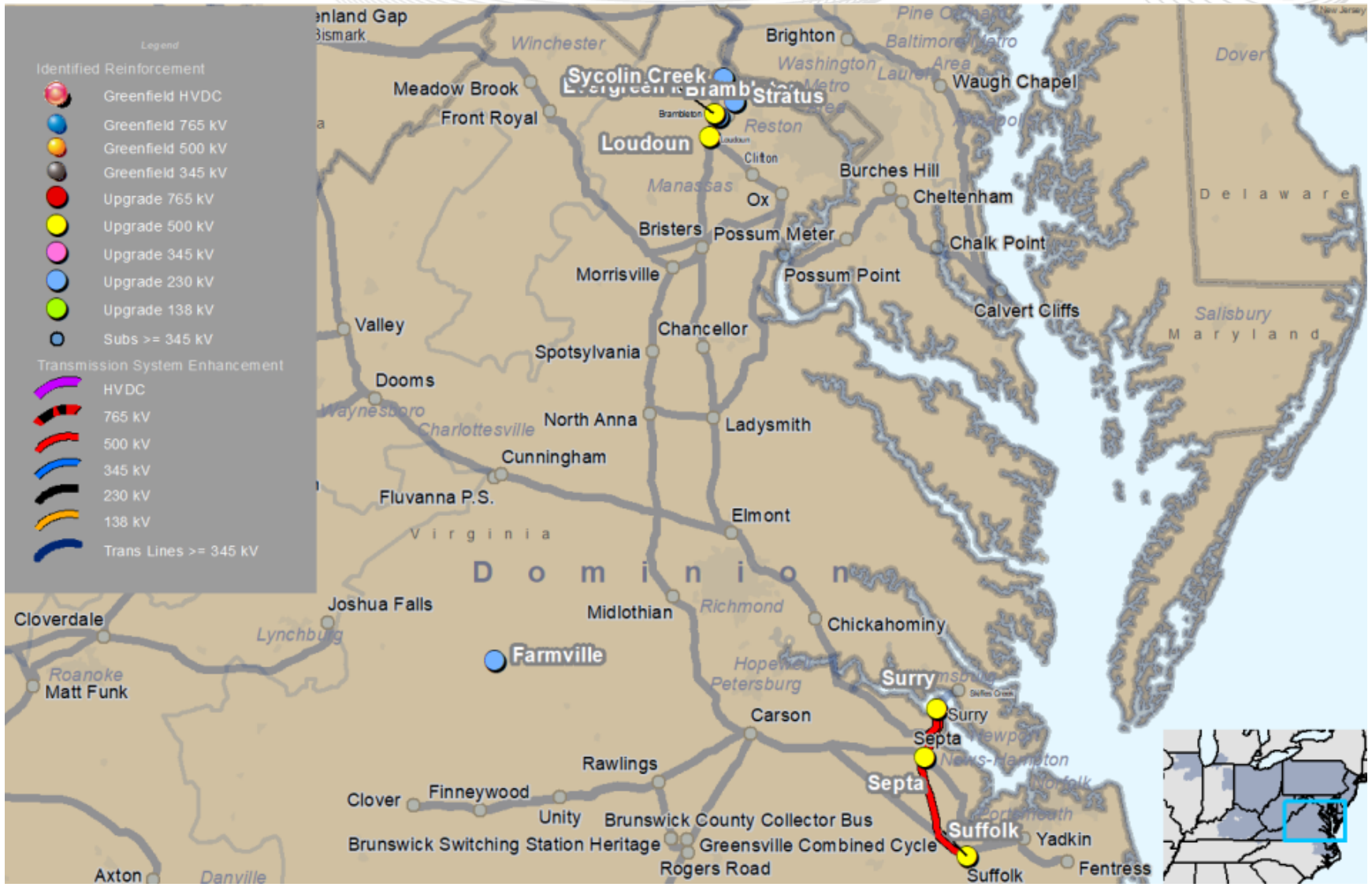
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Dominion Proposal Maps

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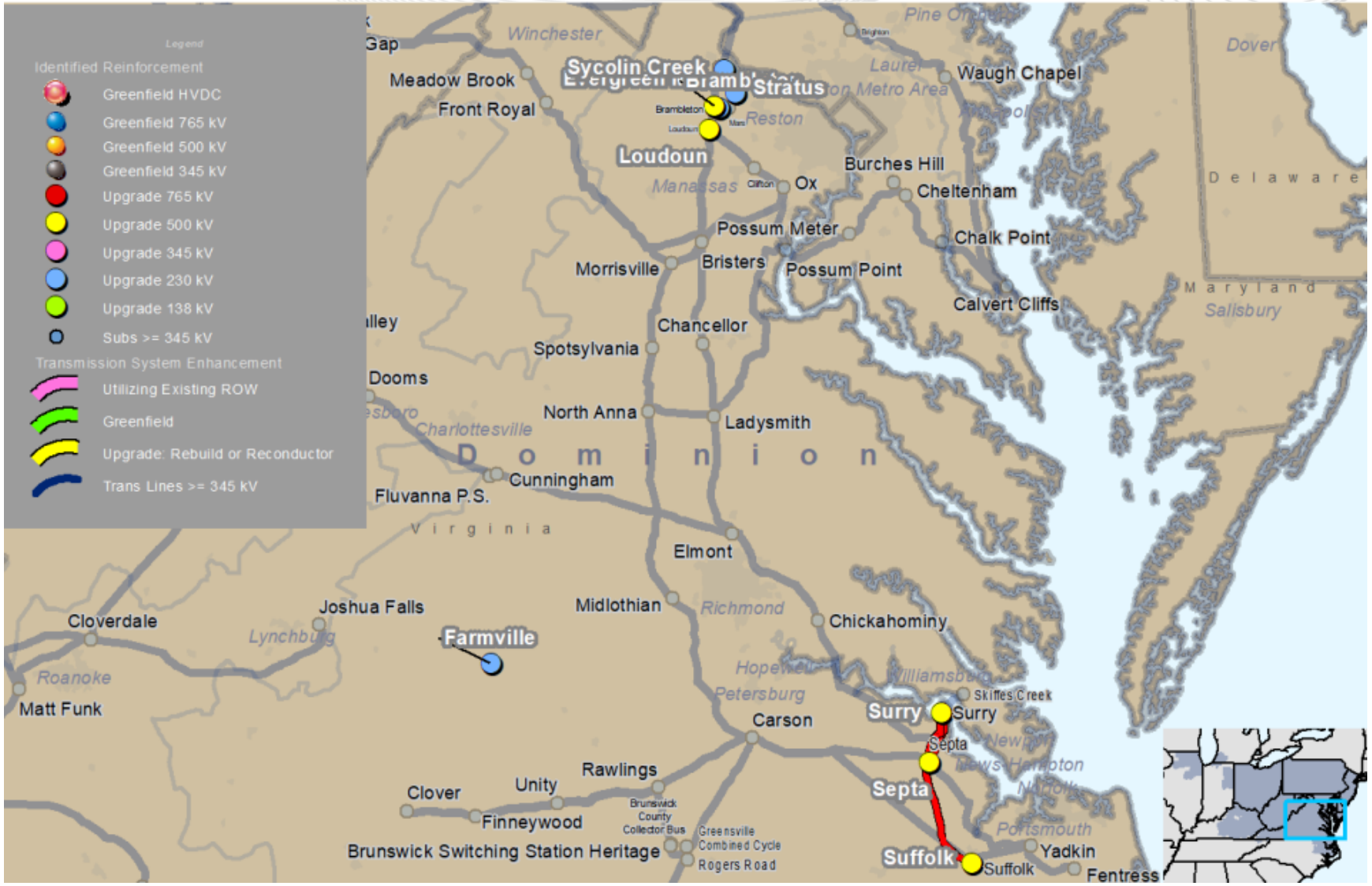
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2026-W1-978



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2026-W1-978



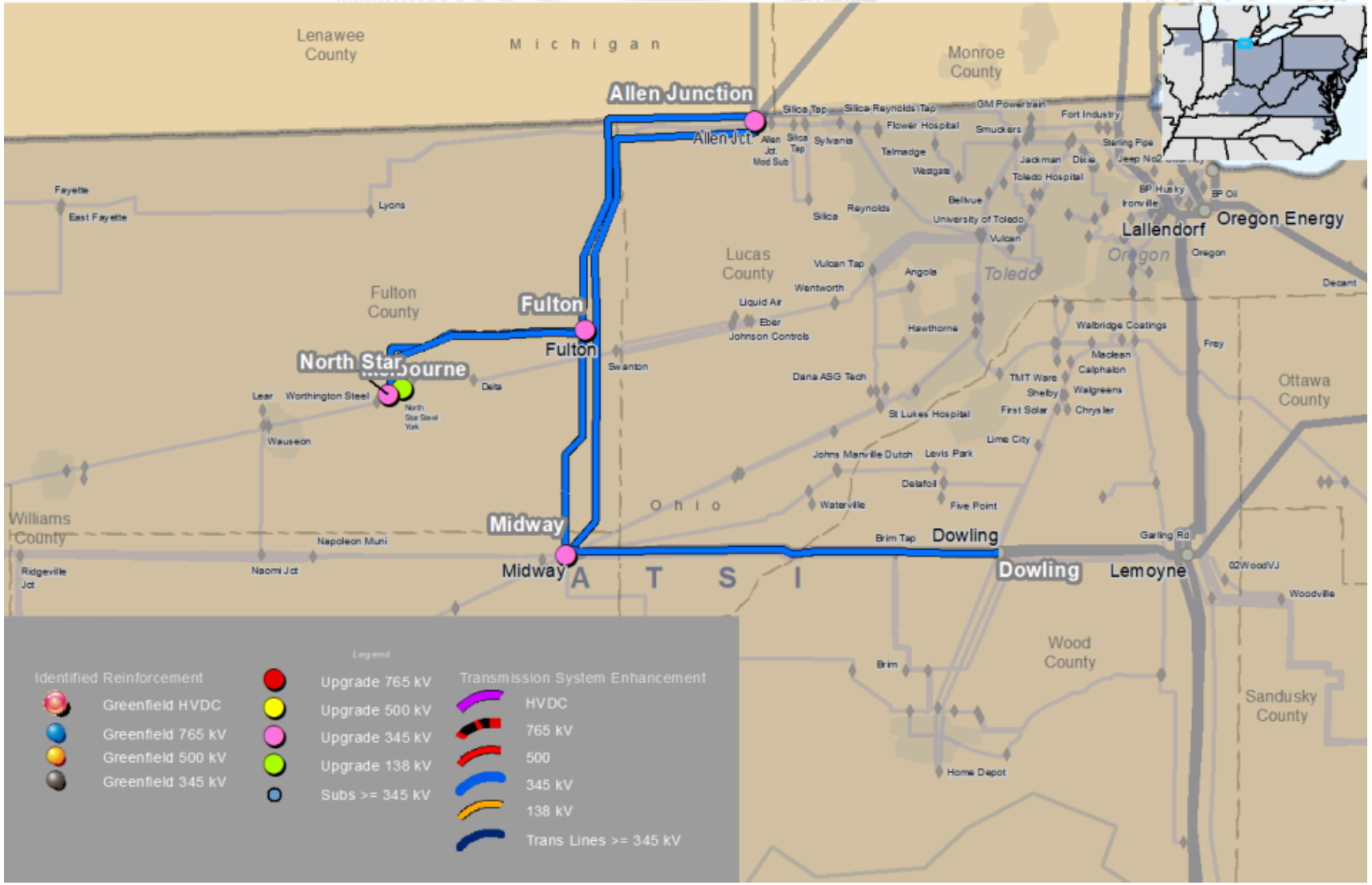
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FirstEnergy-ATSI Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

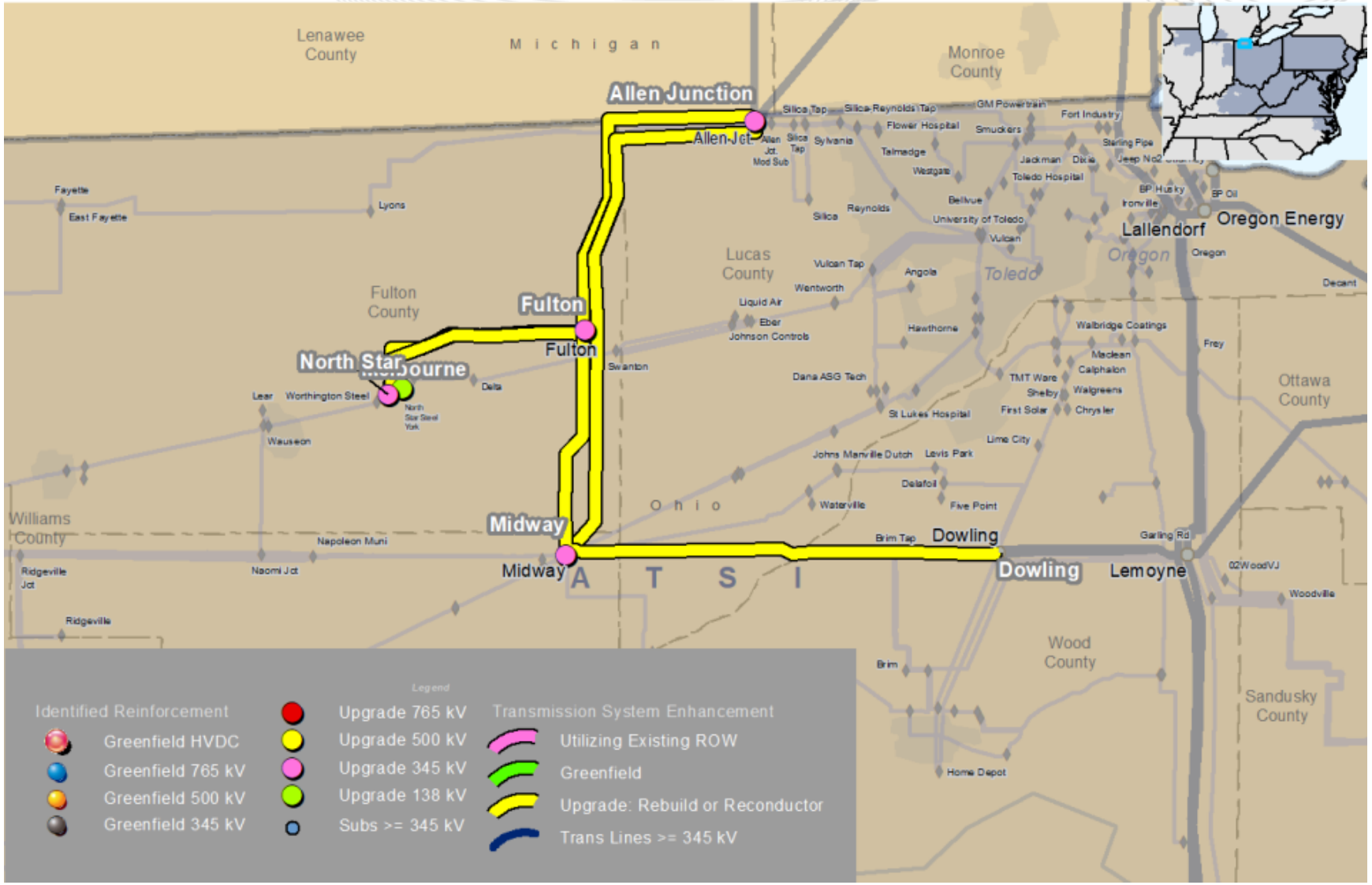
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2026-W1-94



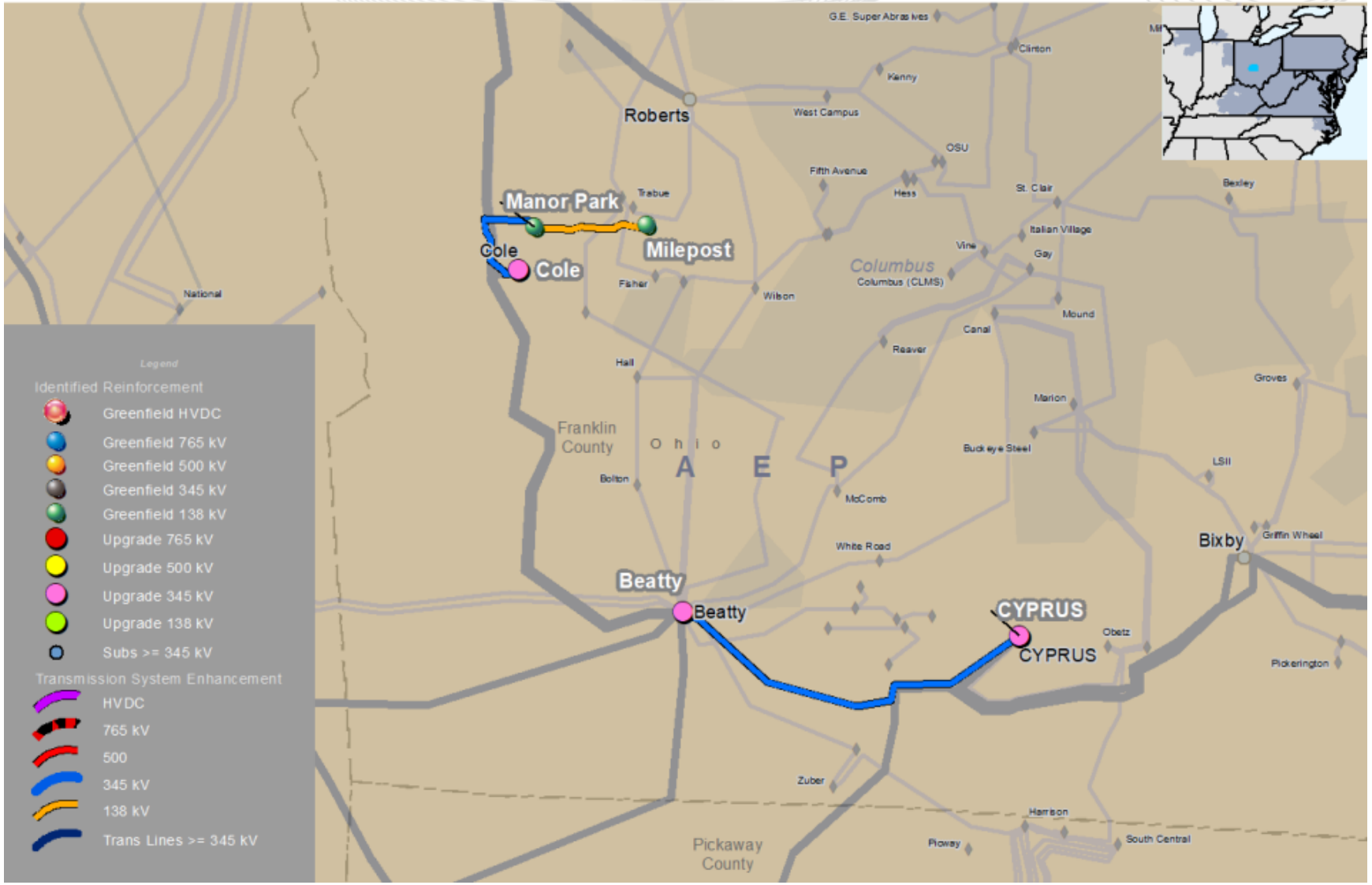
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2026-W1-94



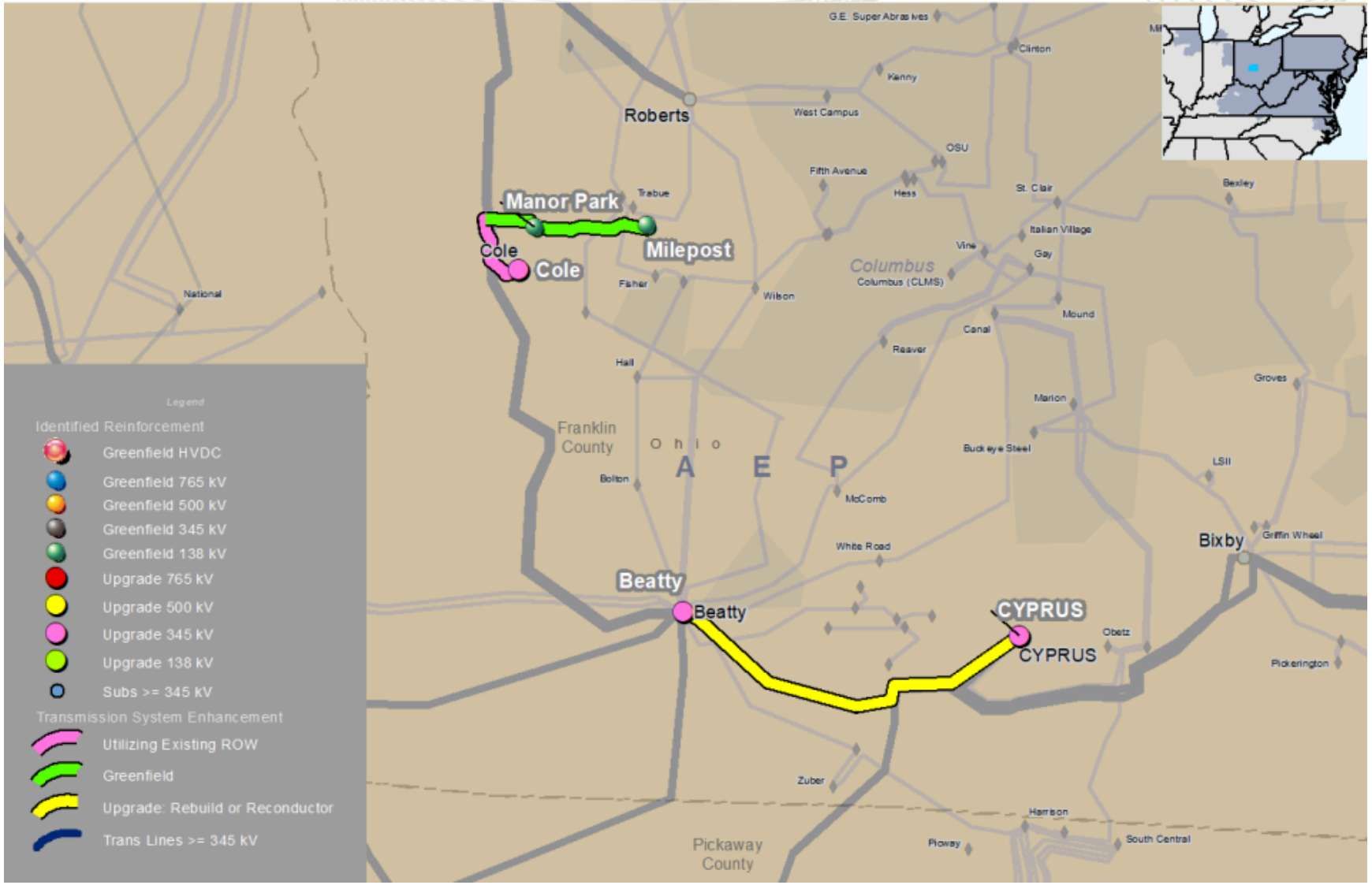
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2026-W1-296



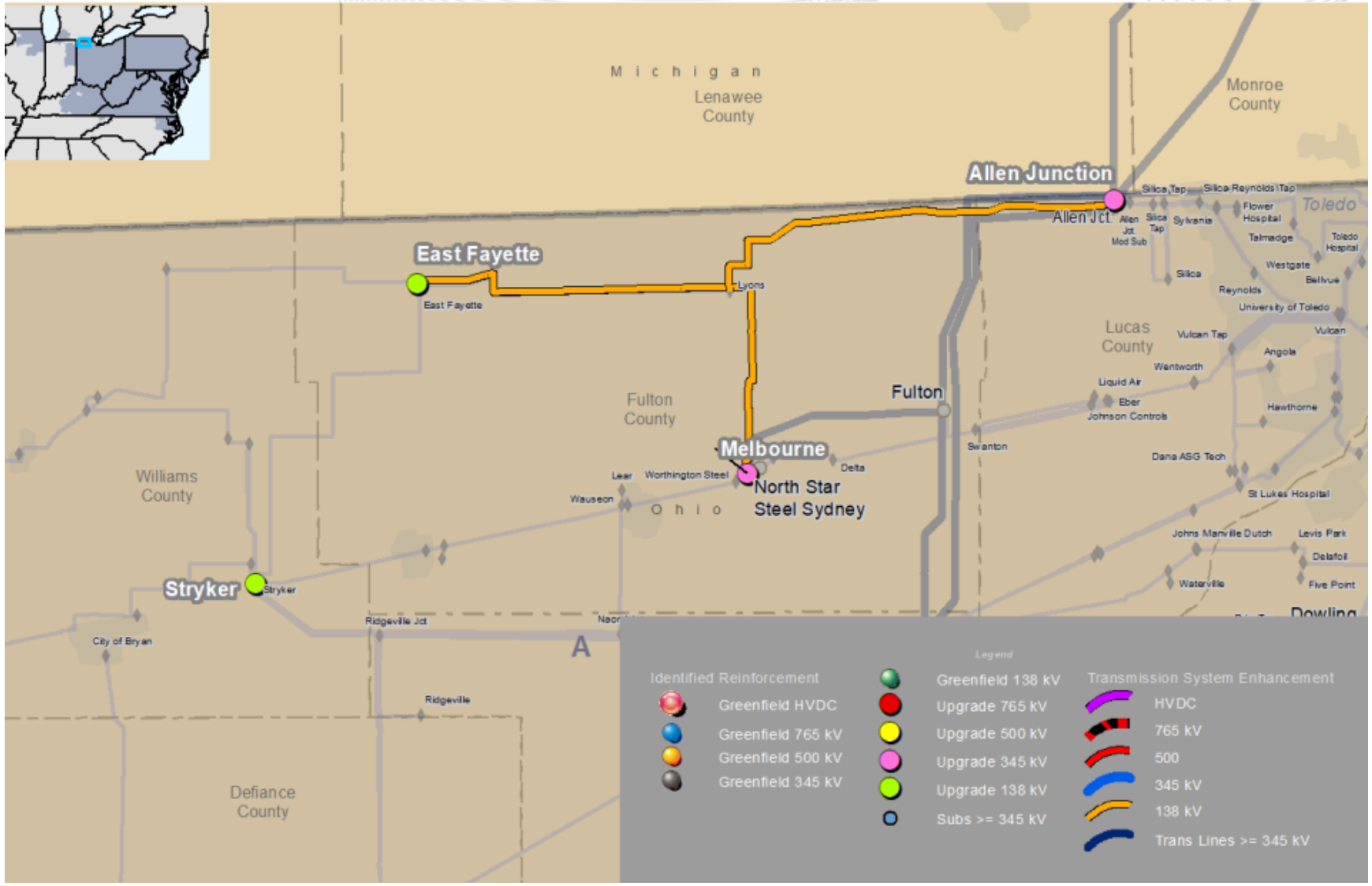
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2026-W1-296



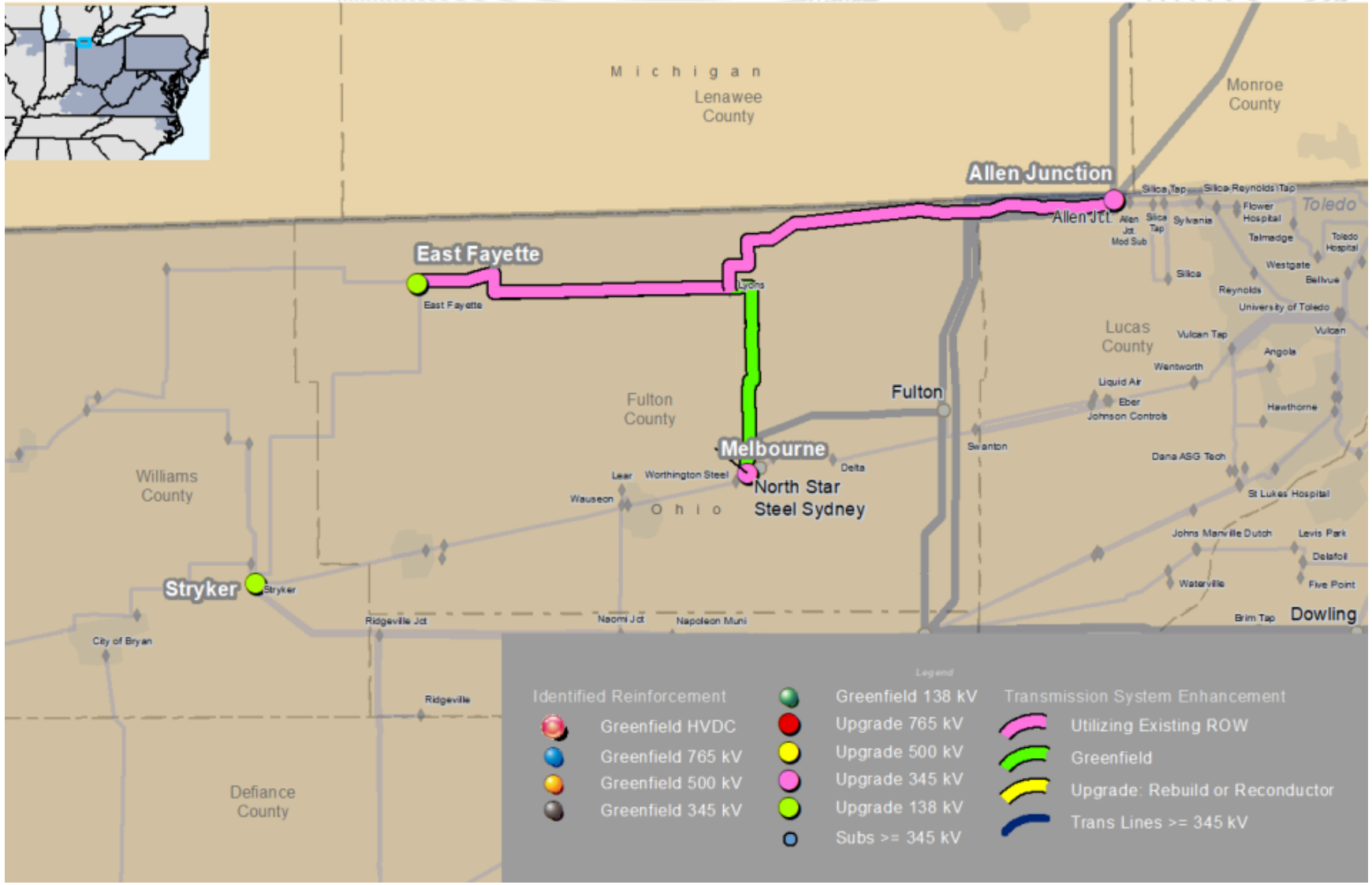
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2026-W1-594



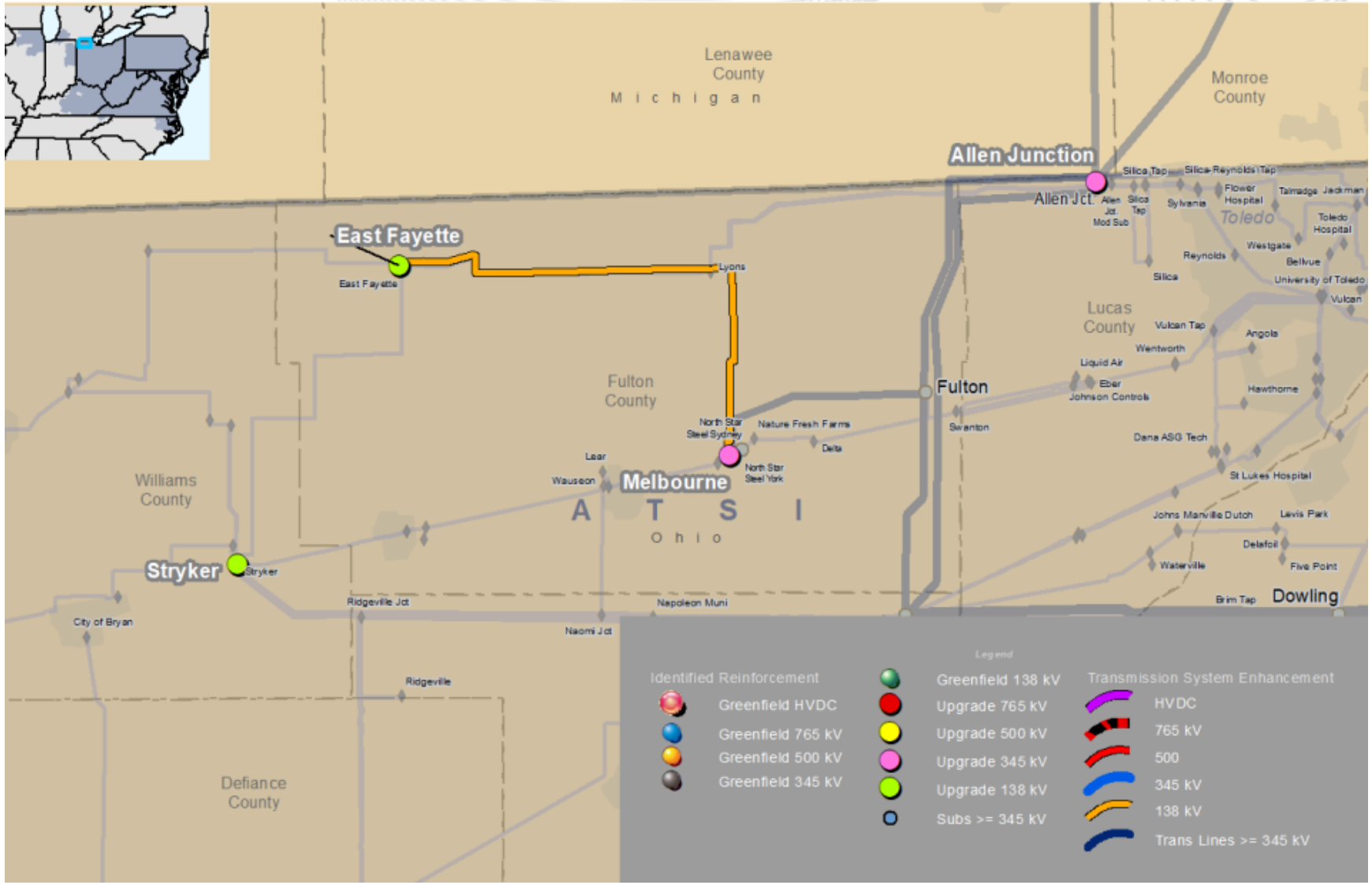
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2026-W1-594



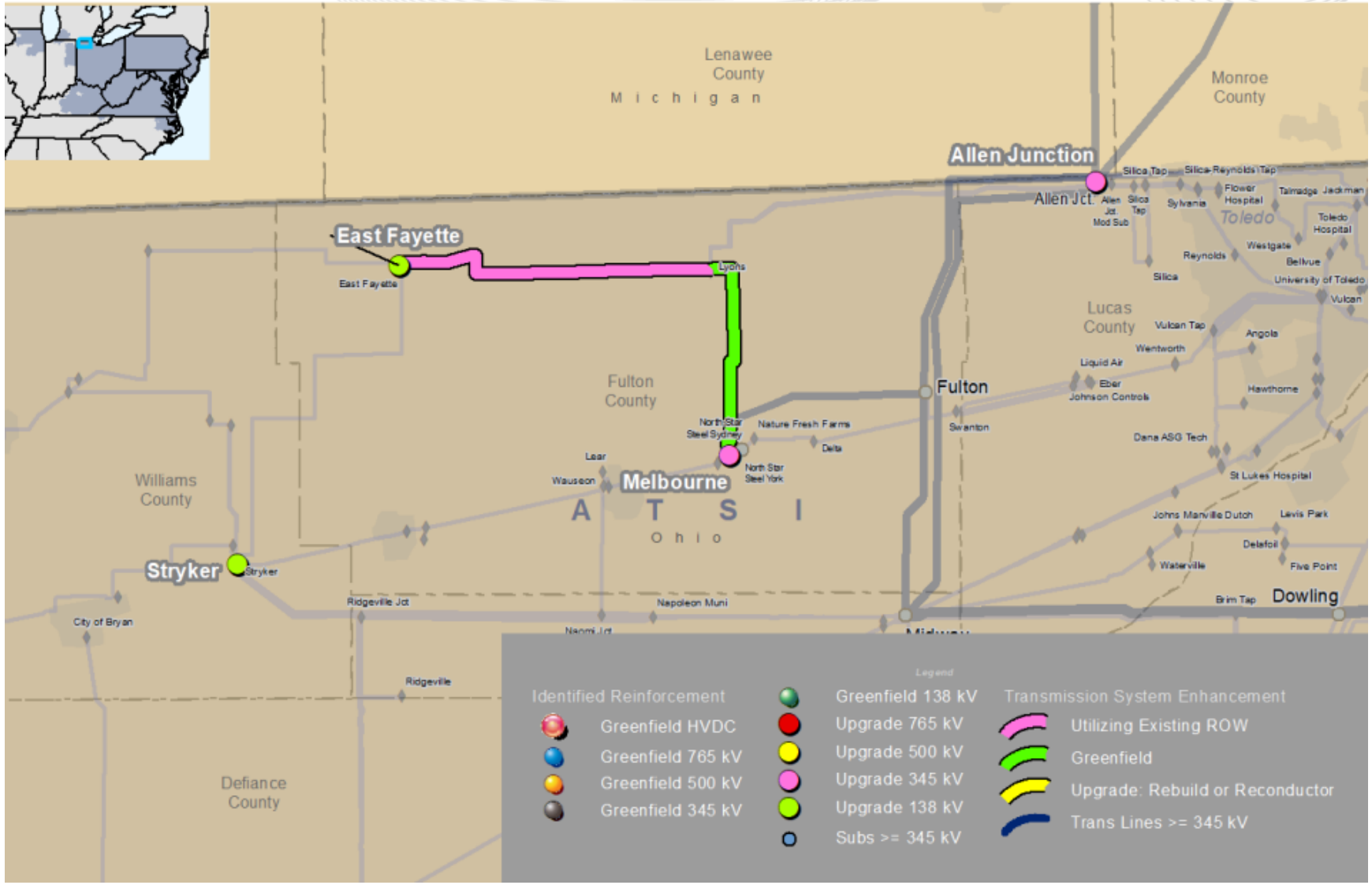
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FirstEnergy-APS Proposal Maps

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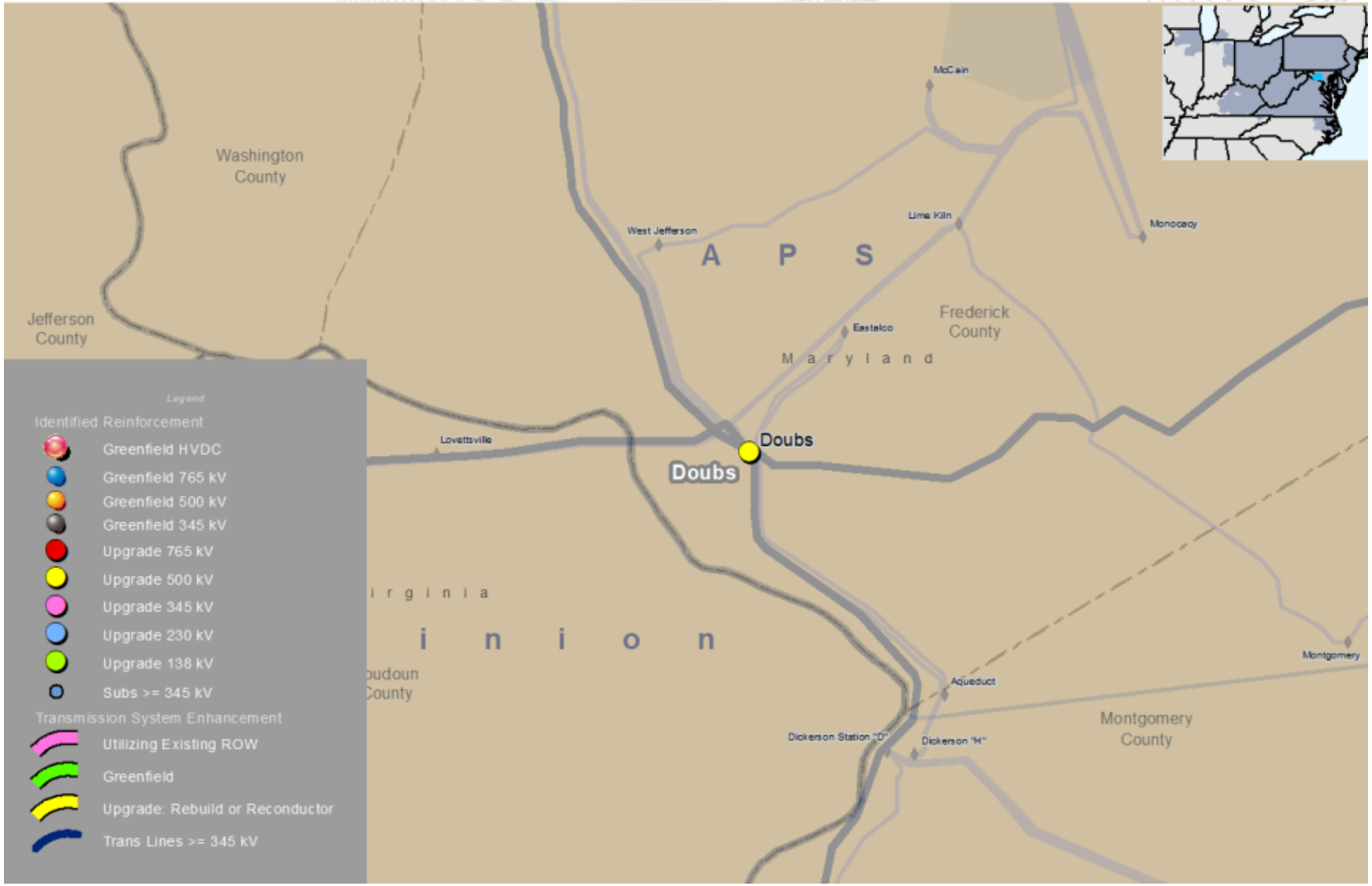
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2026-W1-287



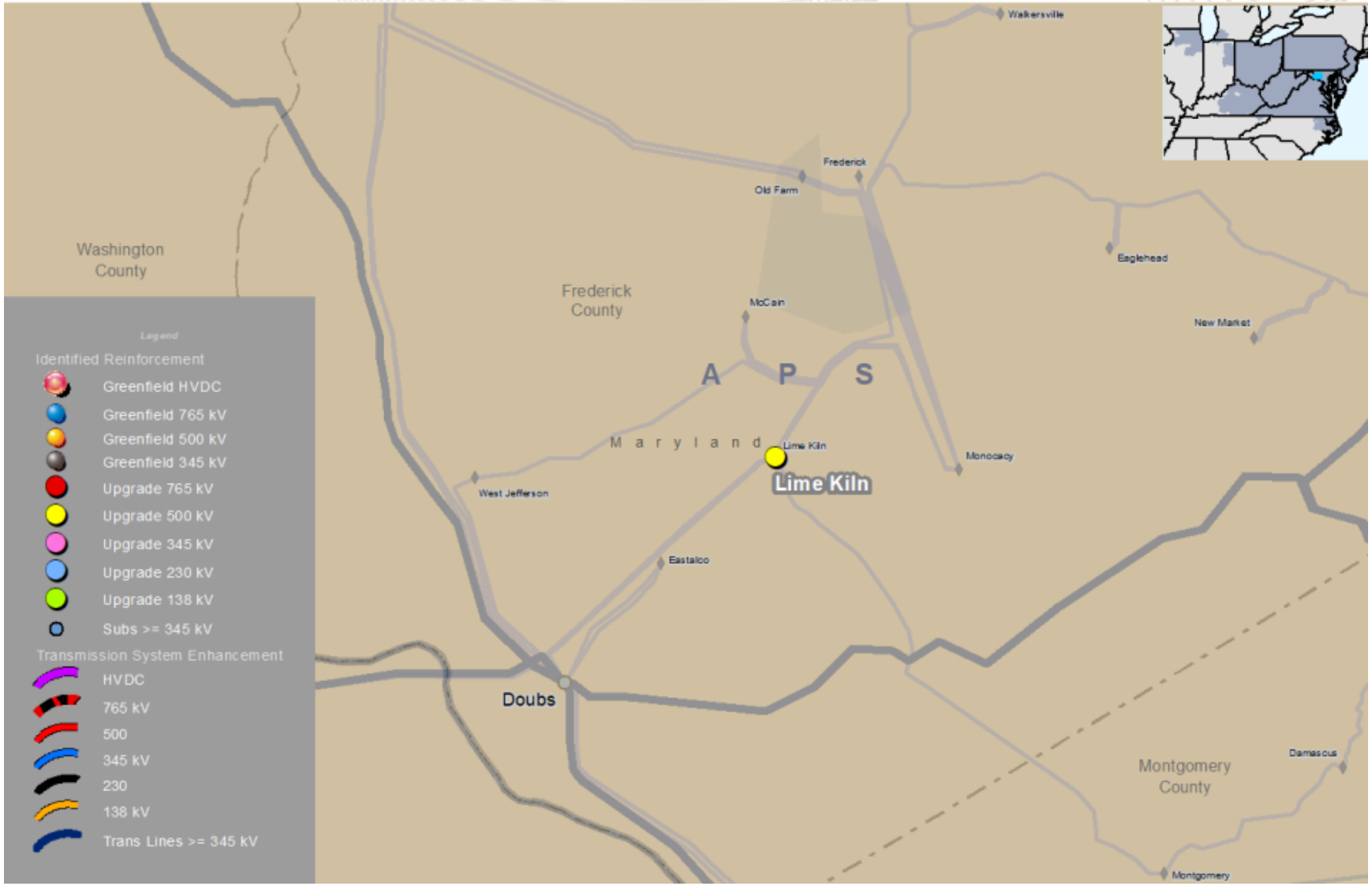
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2026-W1-287



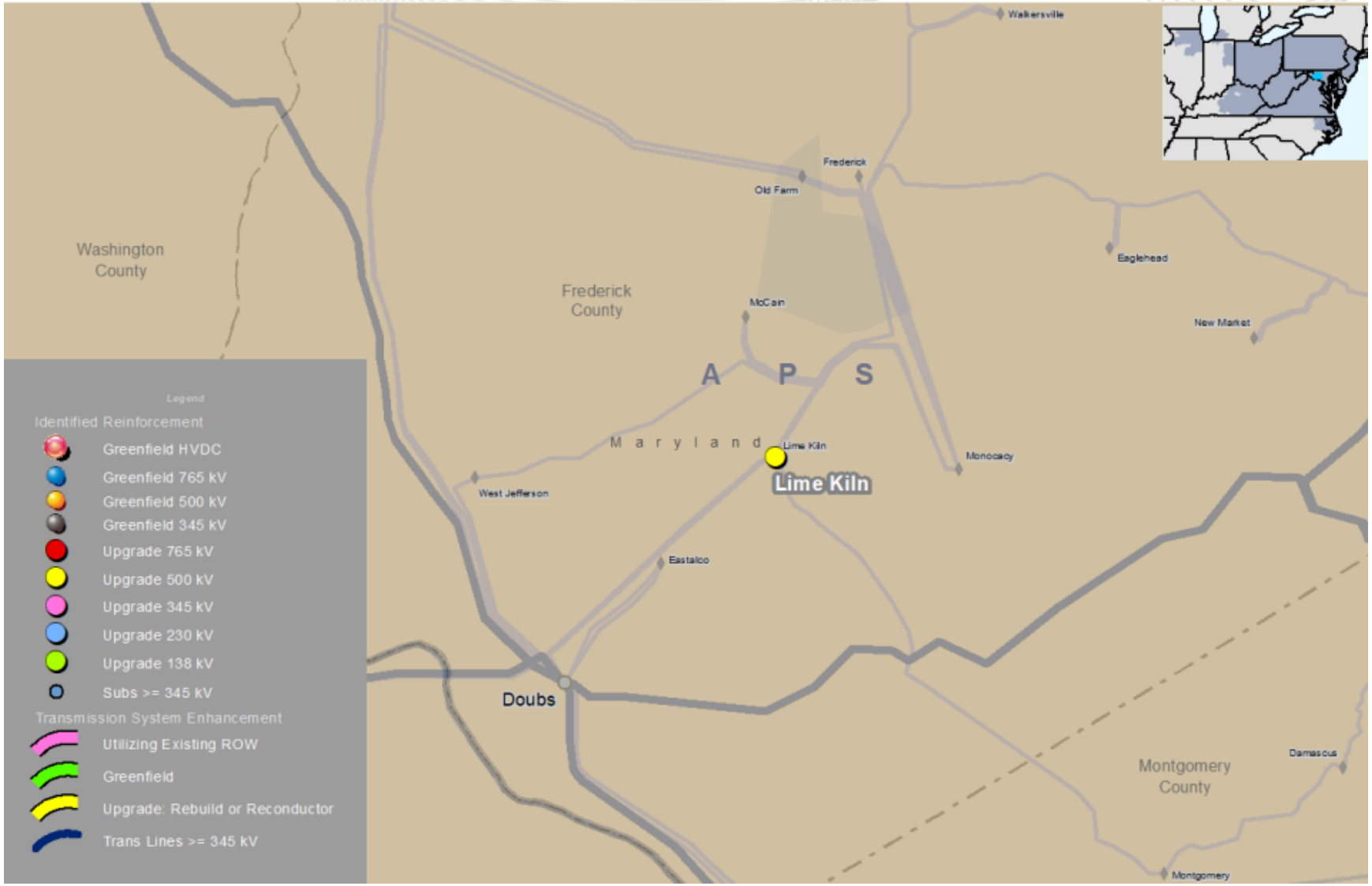
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2026-W1-745



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2026-W1-745

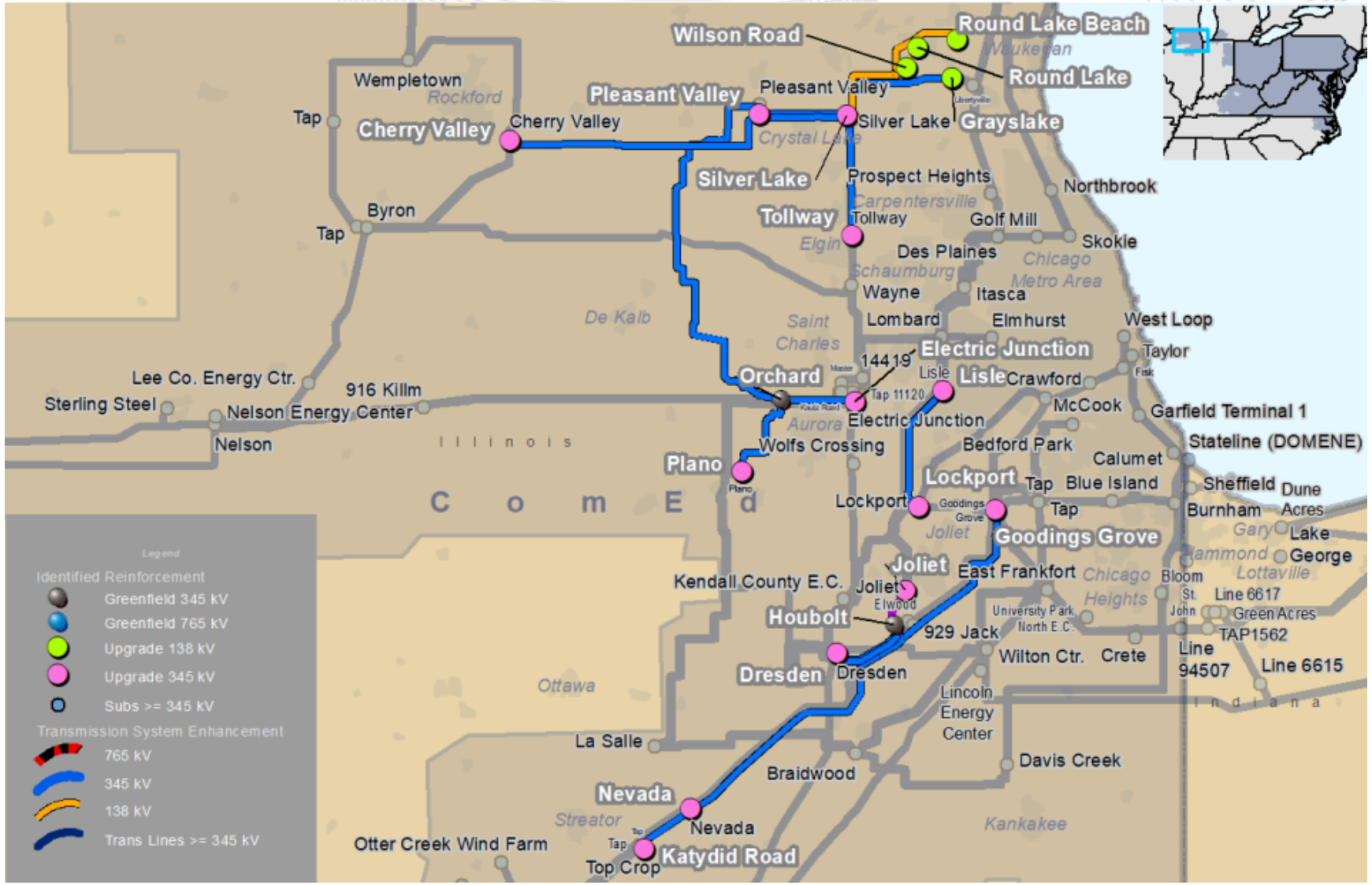


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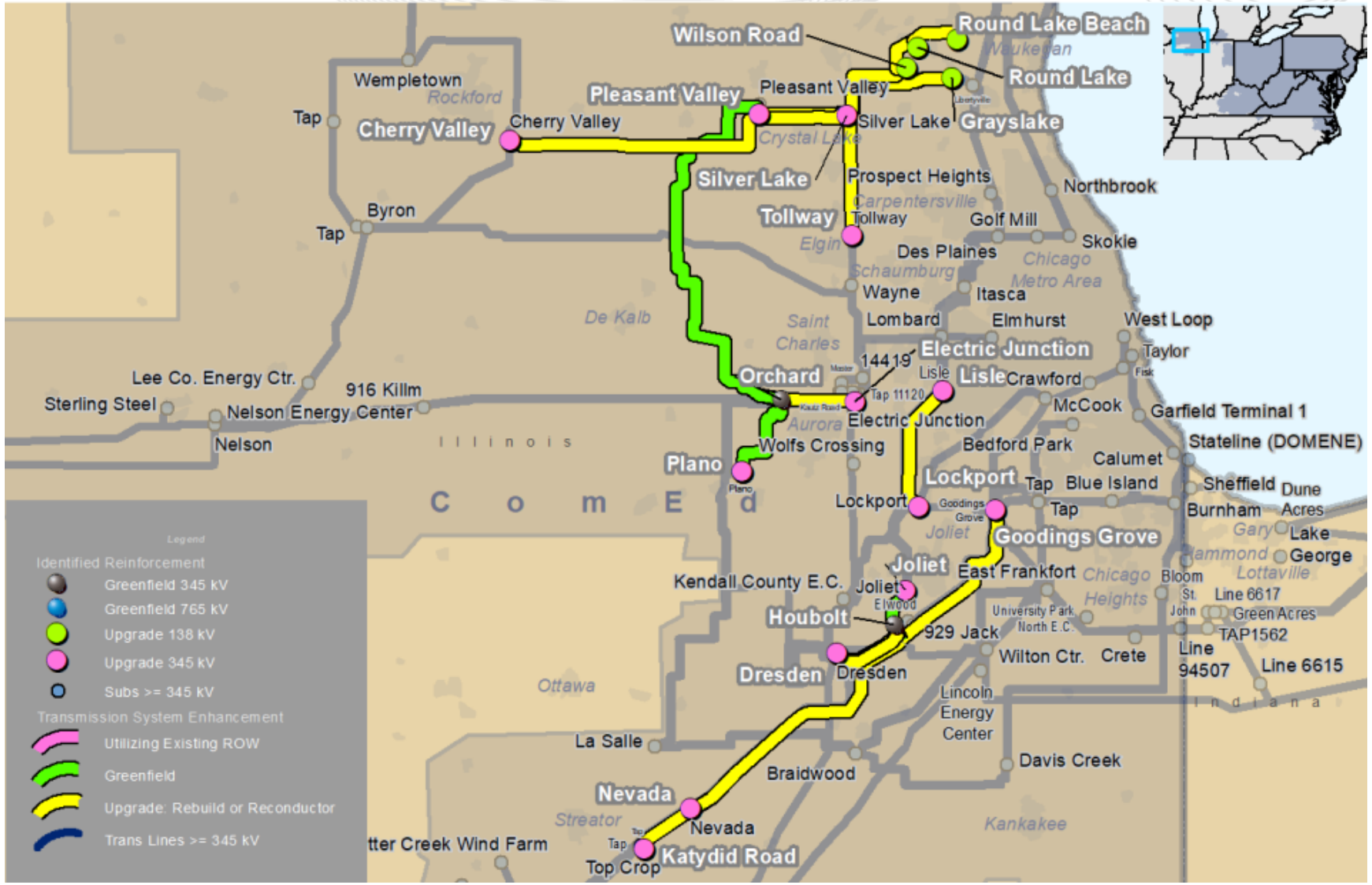
Longview-Ameren Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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Wilson Road
Round Lake Beach
Round Lake
Grayslake
Pleasant Valley
Pleasant Valley
Silver Lake
Cherry Valley
Cherry Valley
Tap
Wempletown
Rockford
Byron
Tap
Silver Lake
Prospect Heights
Tollway
Tollway
Golf Mill
Northbrook
Skokie
Des Plaines
Chicago Metro Area
Wayne
Itasca
Lombard
Elmhurst
West Loop
Taylor
Electric Junction
14419
Lisle
Lisle
Crawford
Orchard
Tap 11120
Electric Junction
McCook
Garfield Terminal 1
Stateline (DOMENE)
Aurora
Wolfs Crossing
Bedford Park
Calumet
Plano
Lockport
Tap
Blue Island
Sheffield
Dune Acres
Lockport
Tap
Burnham
Gary
Lake George
Goodings Grove
Joliet
East Frankfort
Chicago Heights
Bloom
Lottaville
Kendall County E.C.
Joliet
Houbolt
929 Jack
University Park North E.C.
Line 6617
Green Acres
TAP1562
Wilton Ctr.
Crete
Line 94507
Line 6615
Dresden
Dresden
Lincoln Energy Center
La Salle
Braidwood
Davis Creek
Nevada
Nevada
Streator
Kankakee
Otter Creek Wind Farm
Top Crop
Katydid Road
Lee Co. Energy Ctr.
916 Killm
Sterling Steel
Nelson Energy Center
Nelson
Illinois
ComEd
Indiana
Ottawa
De Kalb
Saint Charles
Elgin
Carpentersville
Crystal Lake
Waukegan
Libertyville
Legend
Identified Reinforcement
Greenfield 345 kV
Greenfield 765 kV
Upgrade 138 kV
Upgrade 345 kV
Subs >= 345 kV
Transmission System Enhancement
765 kV
345 kV
138 kV
Trans Lines >= 345 kV

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Wilson Road
Round Lake Beach
Round Lake
Grayslake
Pleasant Valley
Pleasant Valley
Silver Lake
Cherry Valley
Cherry Valley
Tap
Wempletown
Rockford
Silver Lake
Crystal Lake
Prospect Heights
Northbrook
Byron
Tap
Tollway
Tollway
Golf Mill
Skokie
Elgin
Des Plaines
Chicago
Metro Area
Schaumburg
Wayne
Itasca
De Kalb
Saint
Charles
Lombard
Elmhurst
West Loop
Electric Junction
Taylor
14419
Lisle
Lisle
Crawford
Orchard
Tap 11120
Electric Junction
McCook
Garfield Terminal 1
Lee Co. Energy Ctr.
916 Killm
Sterling Steel
Nelson Energy Center
Nelson
Aurora
Wolfs Crossing
Bedford Park
Stateline (DOMENE)
Plano
Calumet
Lockport
Tap
Blue Island
Sheffield
Dune
Acres
Lockport
Tap
Burnham
Gary
Lake
George
Goodings Grove
Joliet
Joliet
East Frankfort
Chicago
Heights
Bloom
St.
John
Line 6617
Green Acres
TAP1562
Kendall County E.C.
Joliet
Houbolt
929 Jack
University Park
North E.C.
Wilton Ctr.
Crete
Line
94507
Line 6615
Dresden
Dresden
Ottawa
Lincoln
Energy
Center
La Salle
Davis Creek
Braidwood
Nevada
Streator
Nevada
Kankakee
tter Creek Wind Farm
Tap
Top Crop
Katydid Road
Legend
Identified Reinforcement
Greenfield 345 kV
Greenfield 765 kV
Upgrade 138 kV
Upgrade 345 kV
Subs >= 345 kV
Transmission System Enhancement
Utilizing Existing ROW
Greenfield
Upgrade: Rebuild or Reconductor
Trans Lines >= 345 kV

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2026-W1-230



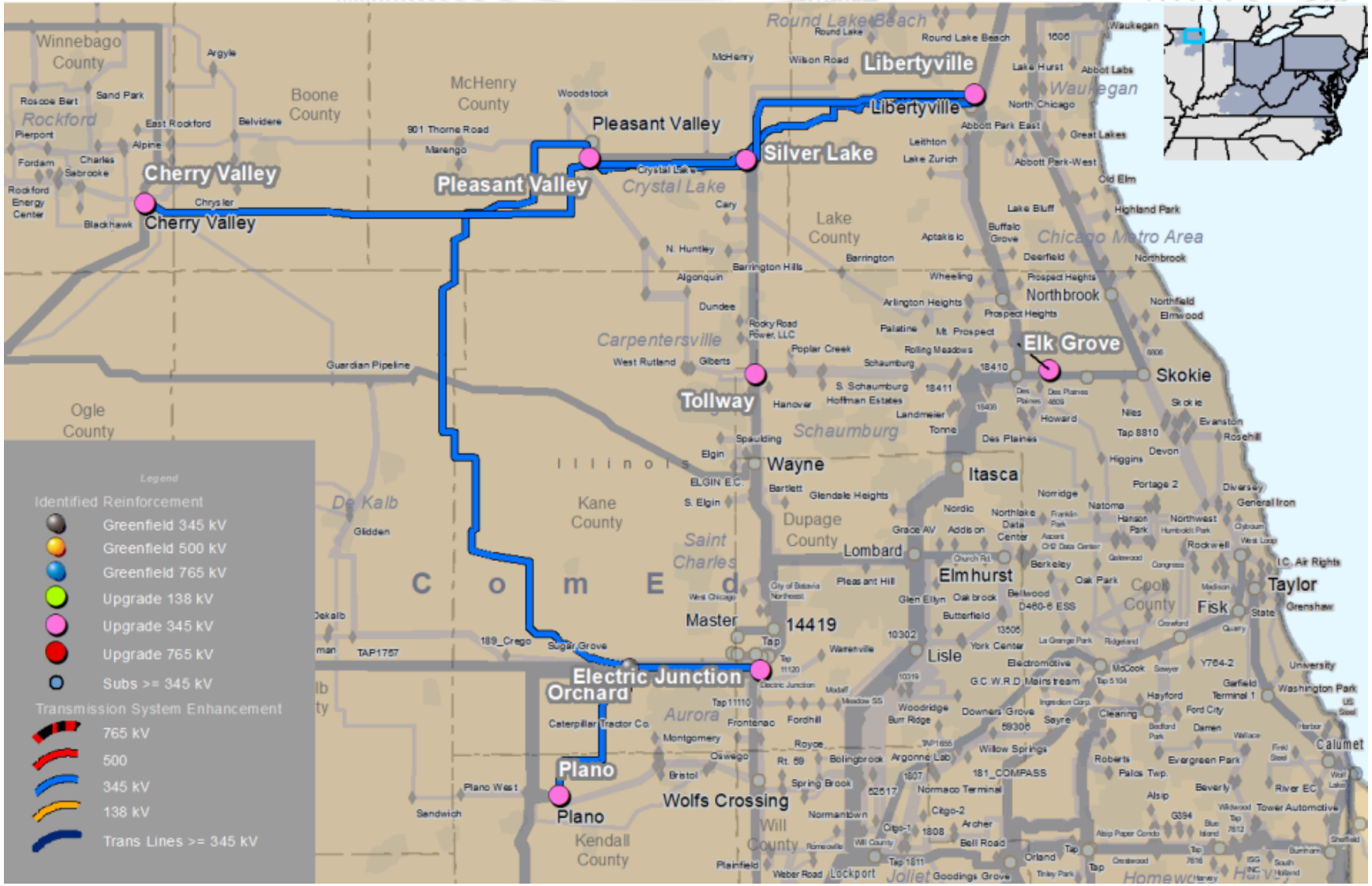
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2026-W1-230



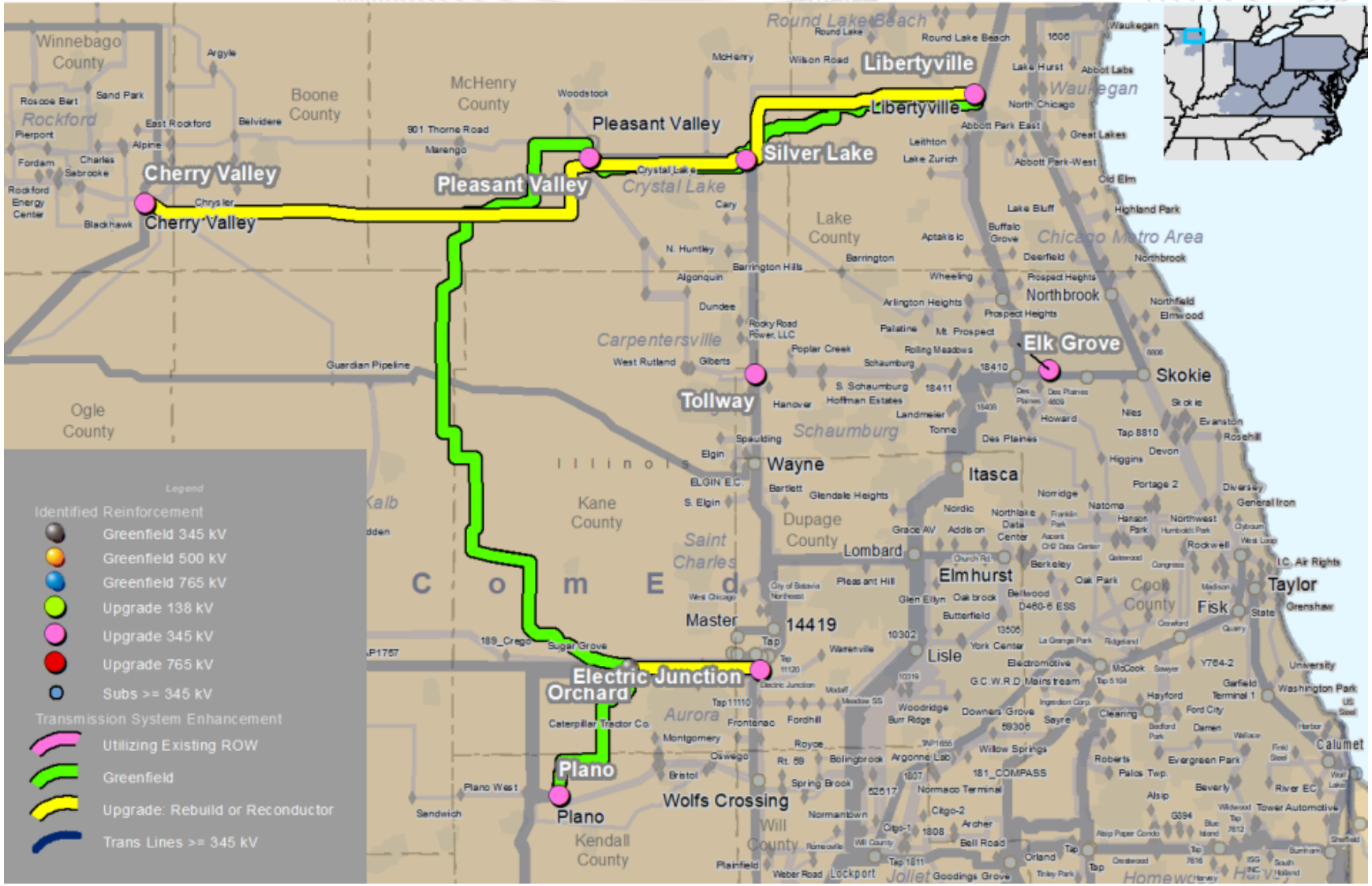
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2026-W1-740



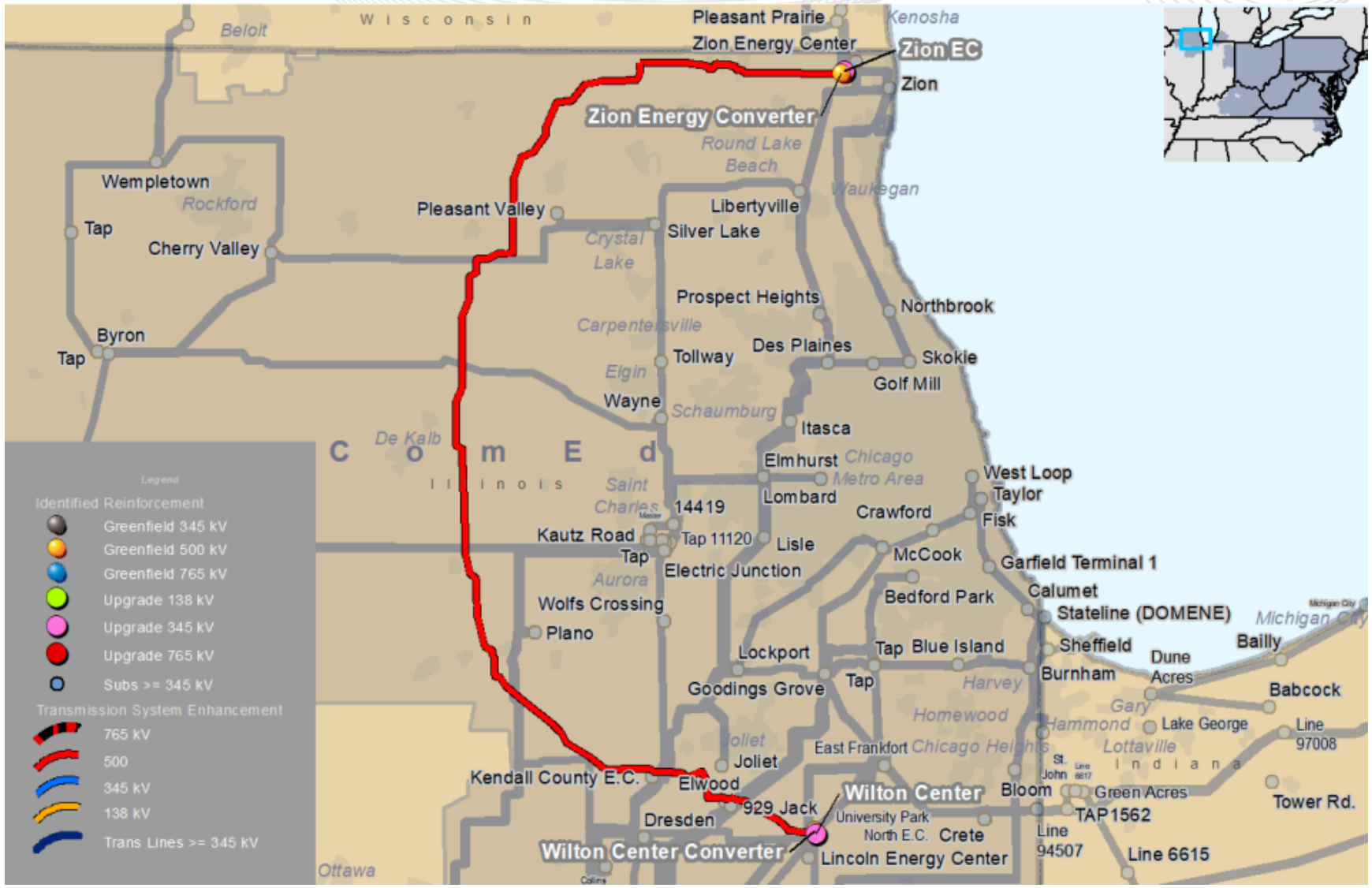
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2026-W1-740



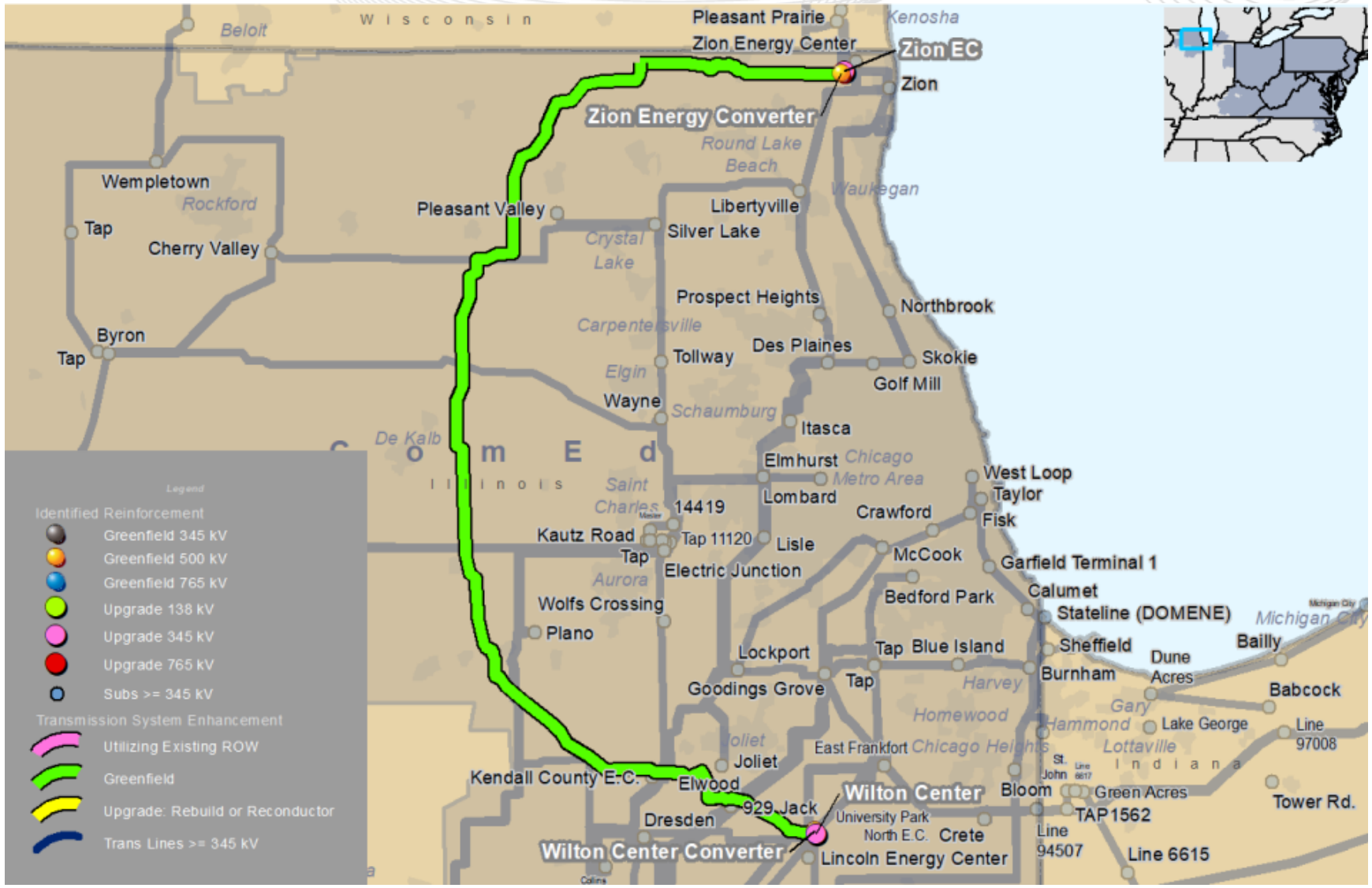
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2026-W1-829



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2026-W1-829



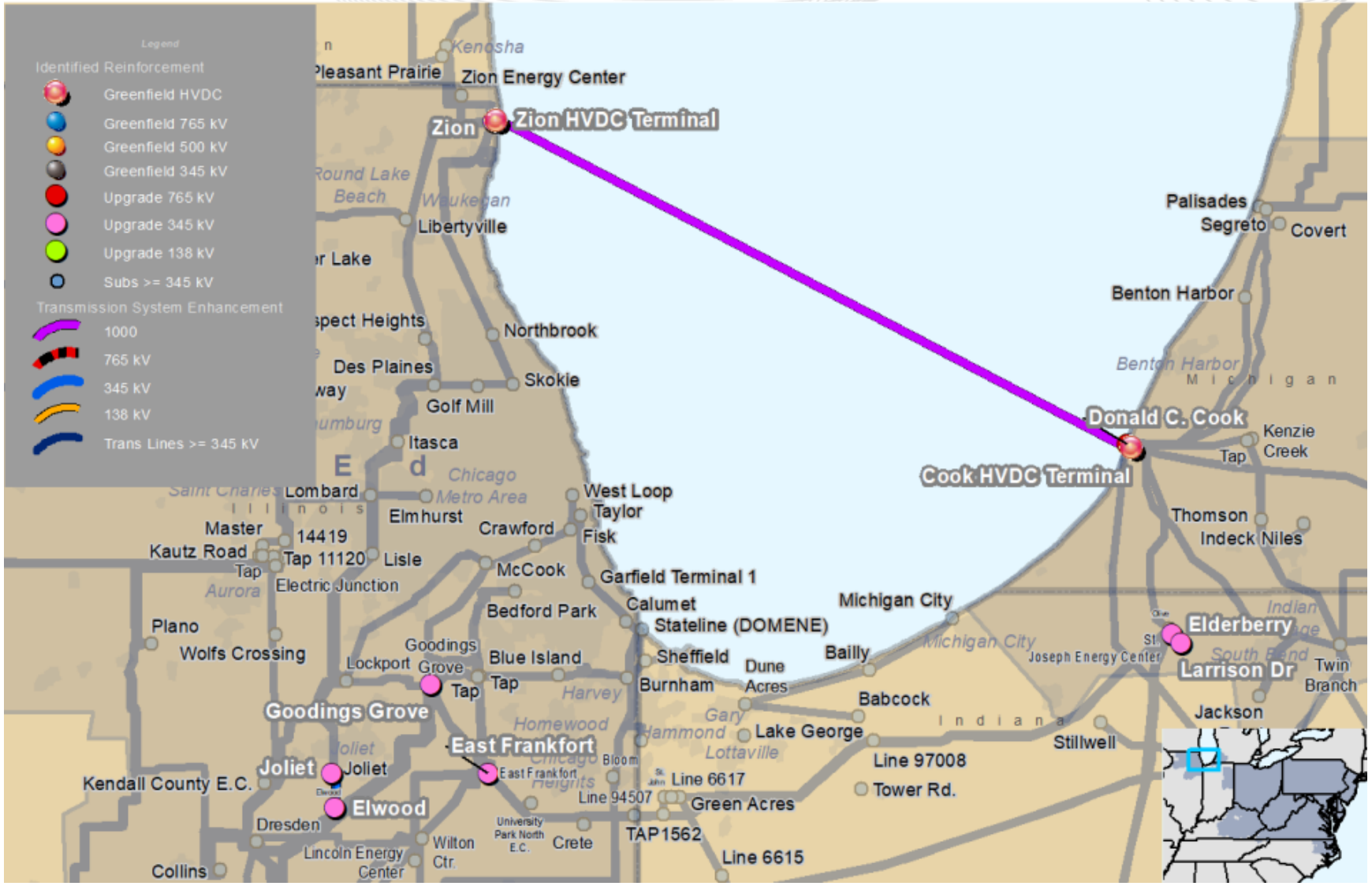
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LS Power Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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2026-W1-3

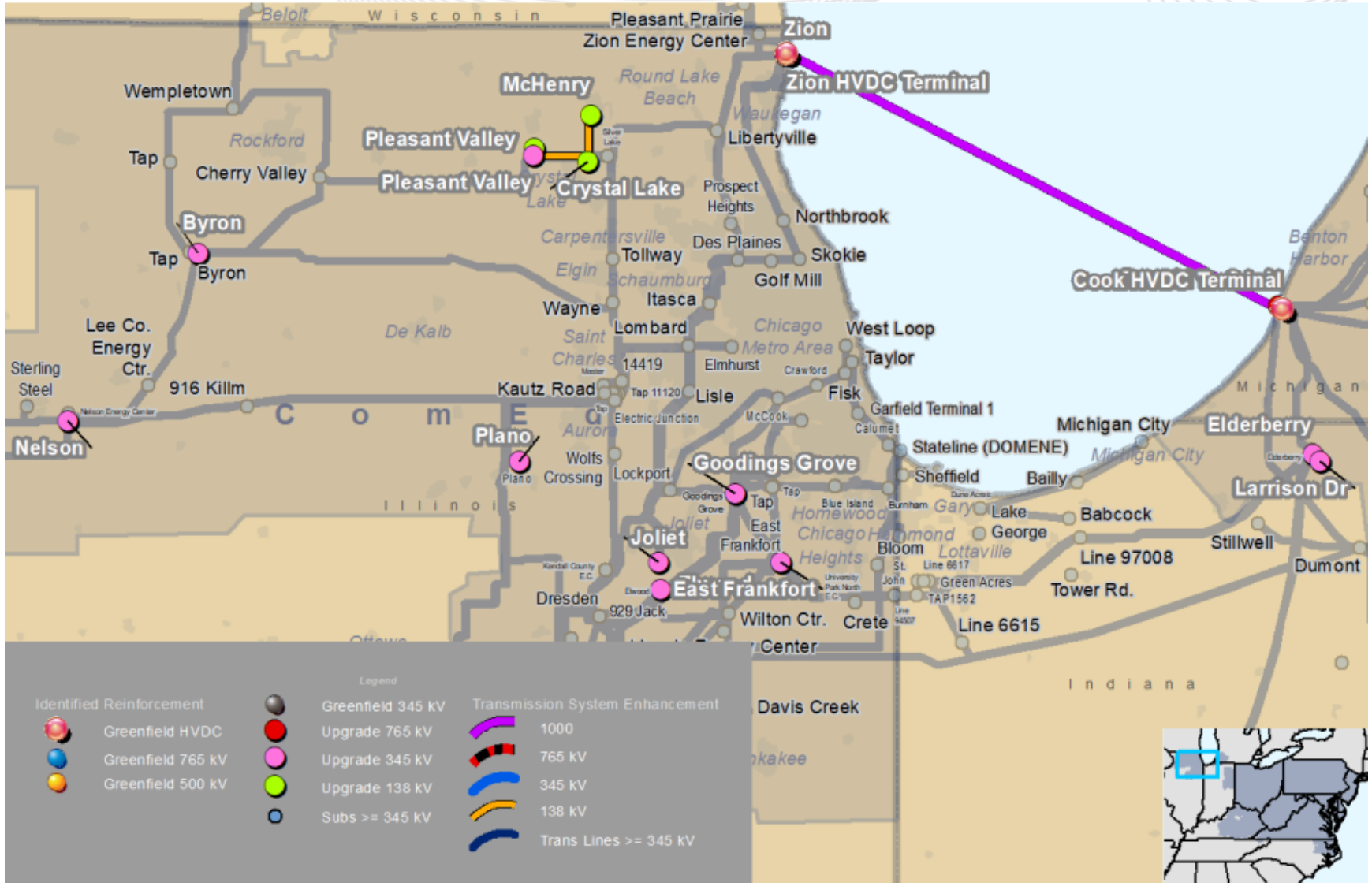


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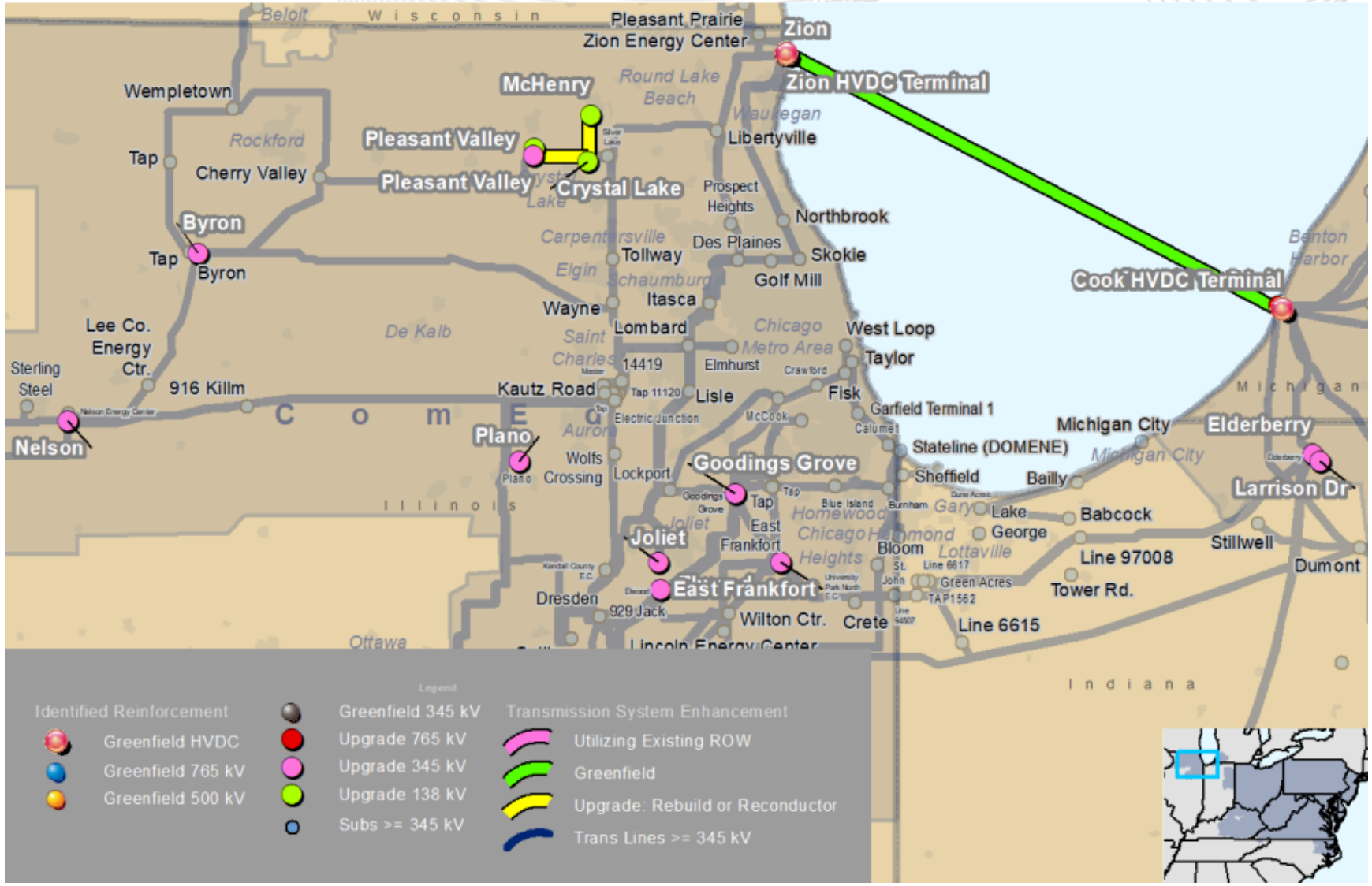
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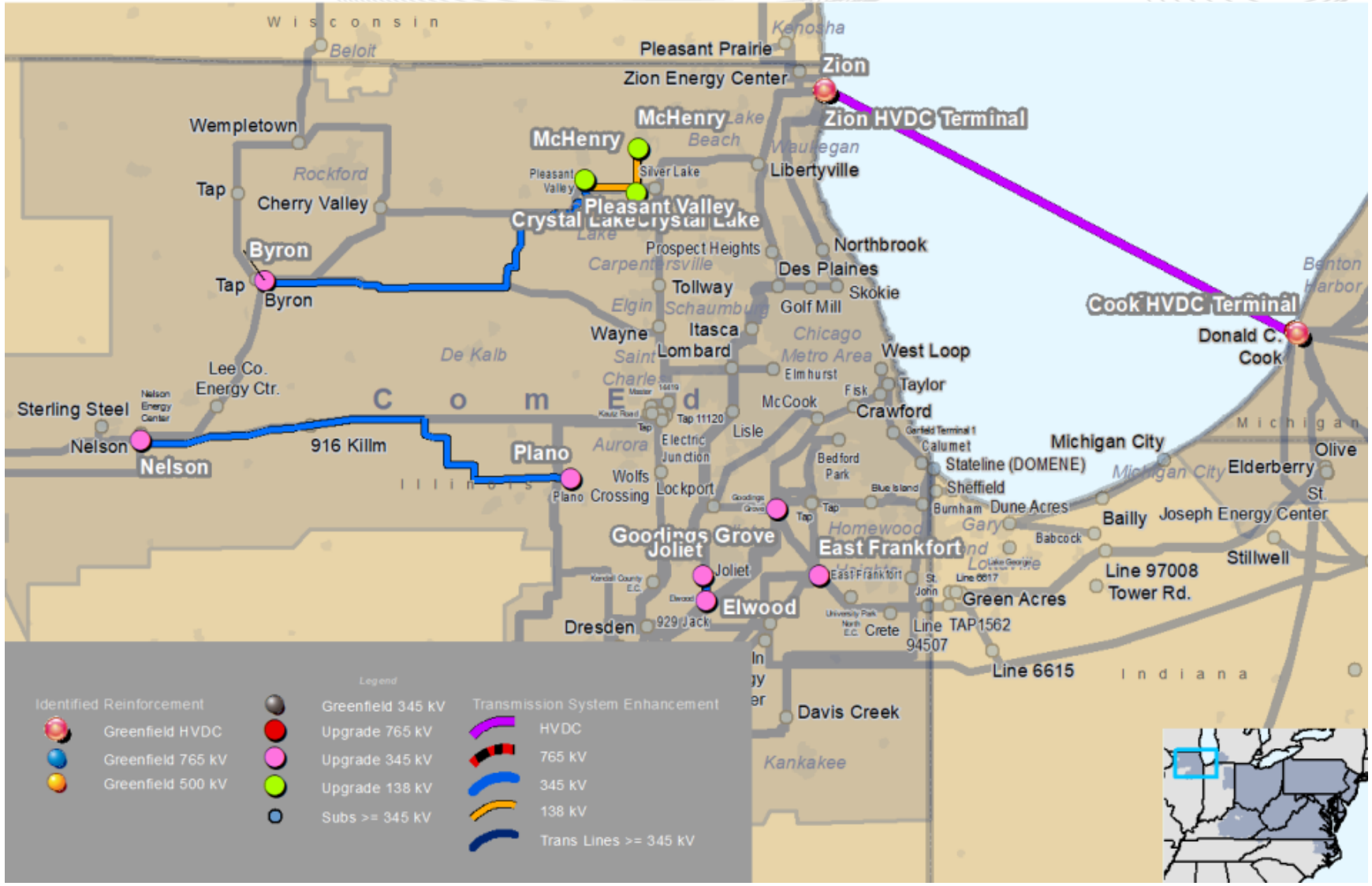

Pleasant Prairie
Zion Energy Center
Zion
Zion HVDC Terminal
McHenry
Pleasant Valley
Pleasant Valley
Crystal Lake
Wempletown
Tap
Cherry Valley
Byron
Tap
Byron
Libertyville
Prospect Heights
Northbrook
Des Plaines
Skokie
Golf Mill
Tollway
Itasca
Wayne
Lombard
Elmhurst
Lee Co. Energy Ctr.
Sterling Steel
916 Killm
Nelson
Kautz Road
14419
Lisle
Fisk
Garfield Terminal 1
Cook HVDC Terminal
West Loop
Taylor
Plano
Wolfs Crossing
Lockport
Goodings Grove
Tap
Sheffield
Bailly
Stateline (DOMENE)
Michigan City
Elderberry
Larrison Dr
Lake
George
Babcock
Stillwell
Dumont
Line 97008
Tower Rd.
Joliet
East Frankfort
Dresden
929 Jack
Wilton Ctr.
Crete
Line 6615
Center
Davis Creek
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
1000
765 kV
345 kV
138 kV
Trans Lines >= 345 kV

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Pleasant Prairie
Zion Energy Center
Zion
Zion HVDC Terminal
McHenry
Pleasant Valley
Pleasant Valley
Crystal Lake
Wempletown
Tap
Cherry Valley
Byron
Tap
Byron
Libertyville
Prospect Heights
Northbrook
Des Plaines
Skokie
Golf Mill
Tollway
Itasca
Wayne
Lombard
Lee Co. Energy Ctr.
Sterling Steel
916 Killm
Nelson
Kautz Road
Plano
Wolfs Crossing
Lockport
Goodings Grove
Tap
Joliet
East Frankfort
Dresden
929 Jack
Wilton Ctr.
Crete
Line 6615
Lincoln Energy Center
Elmhurst
Lisle
Fisk
Garfield Terminal 1
West Loop
Taylor
Cook HVDC Terminal
Michigan City
Elderberry
Larrison Dr
Stateline (DOMENE)
Sheffield
Bailly
Babcock
Stillwell
Dumont
Line 97008
Tower Rd.
Green Acres
Bloom
George
Lake
Illinois
Indiana
Michigan
Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
Utilizing Existing ROW
Greenfield
Upgrade: Rebuild or Reconductor
Trans Lines >= 345 kV

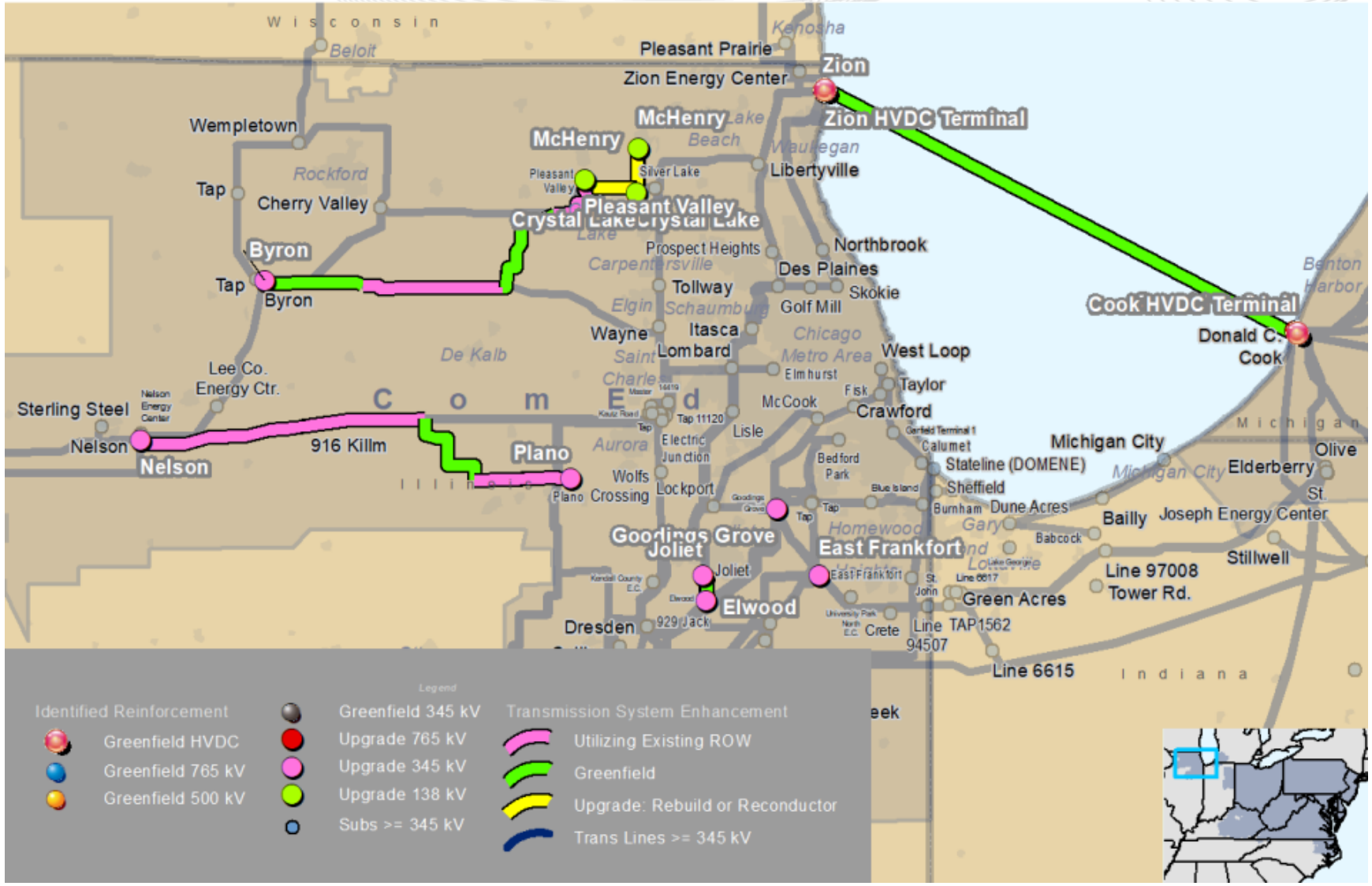
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2026-W1-138



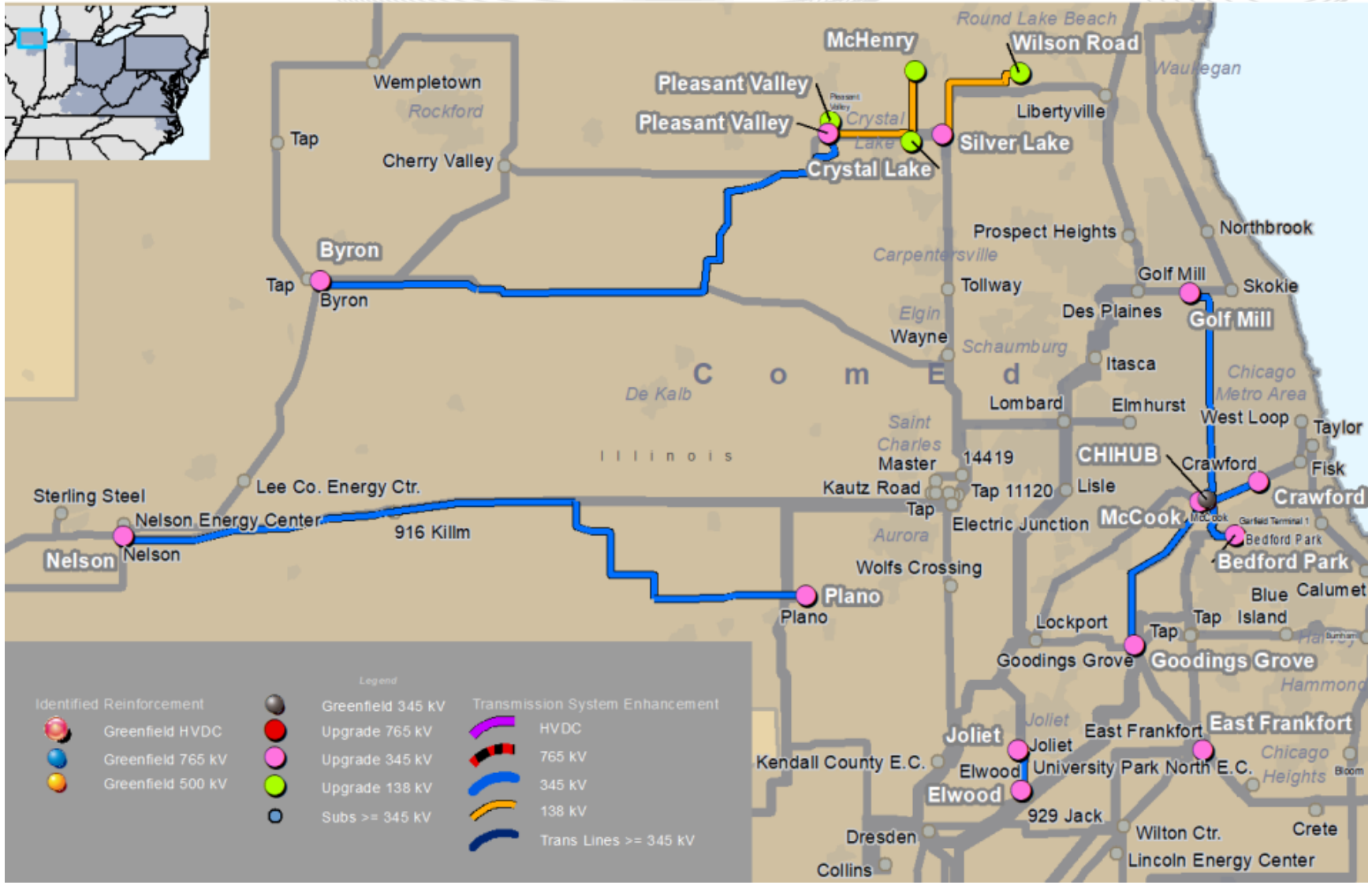
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2026-W1-138



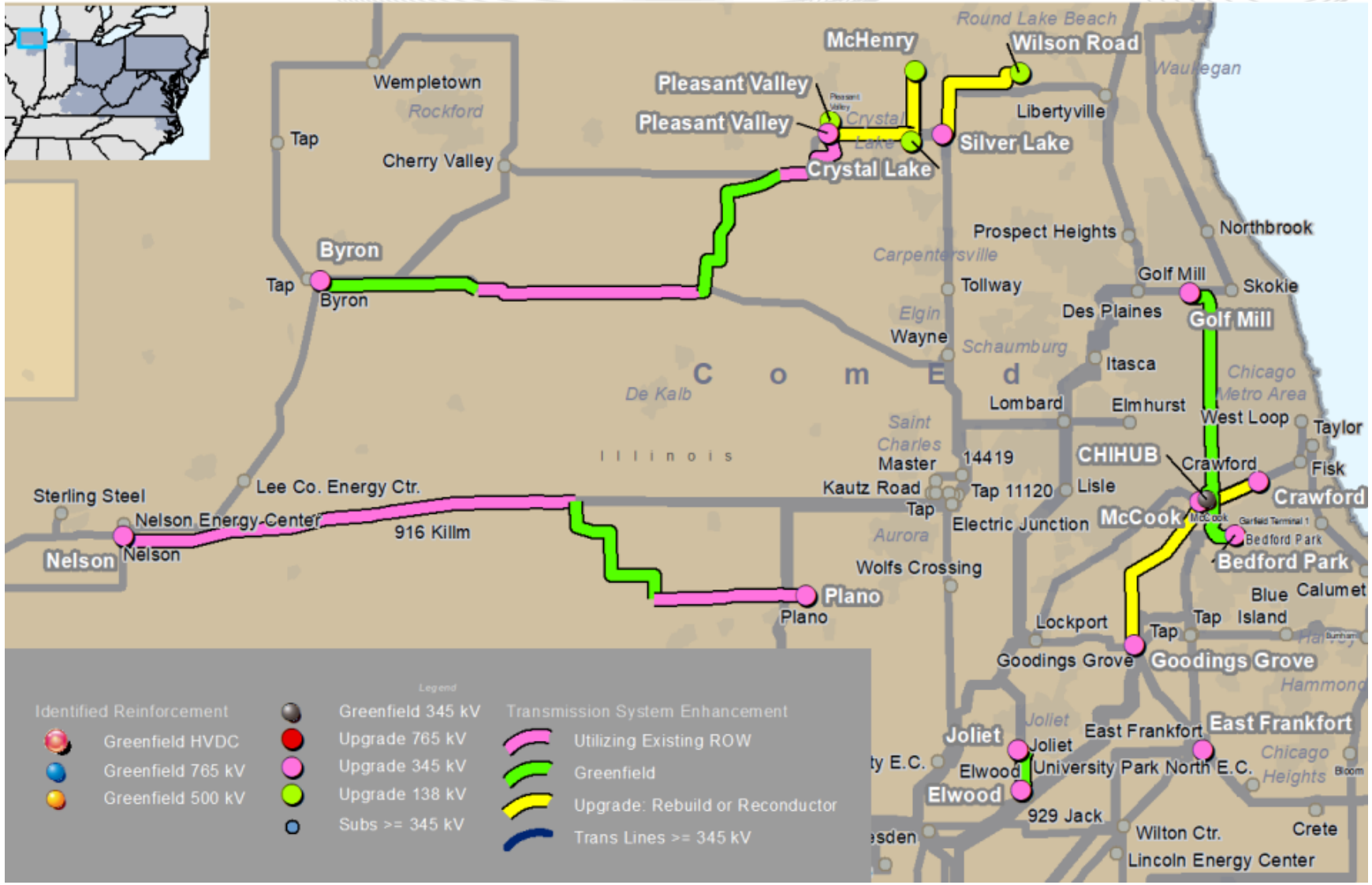
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2026-W1-216



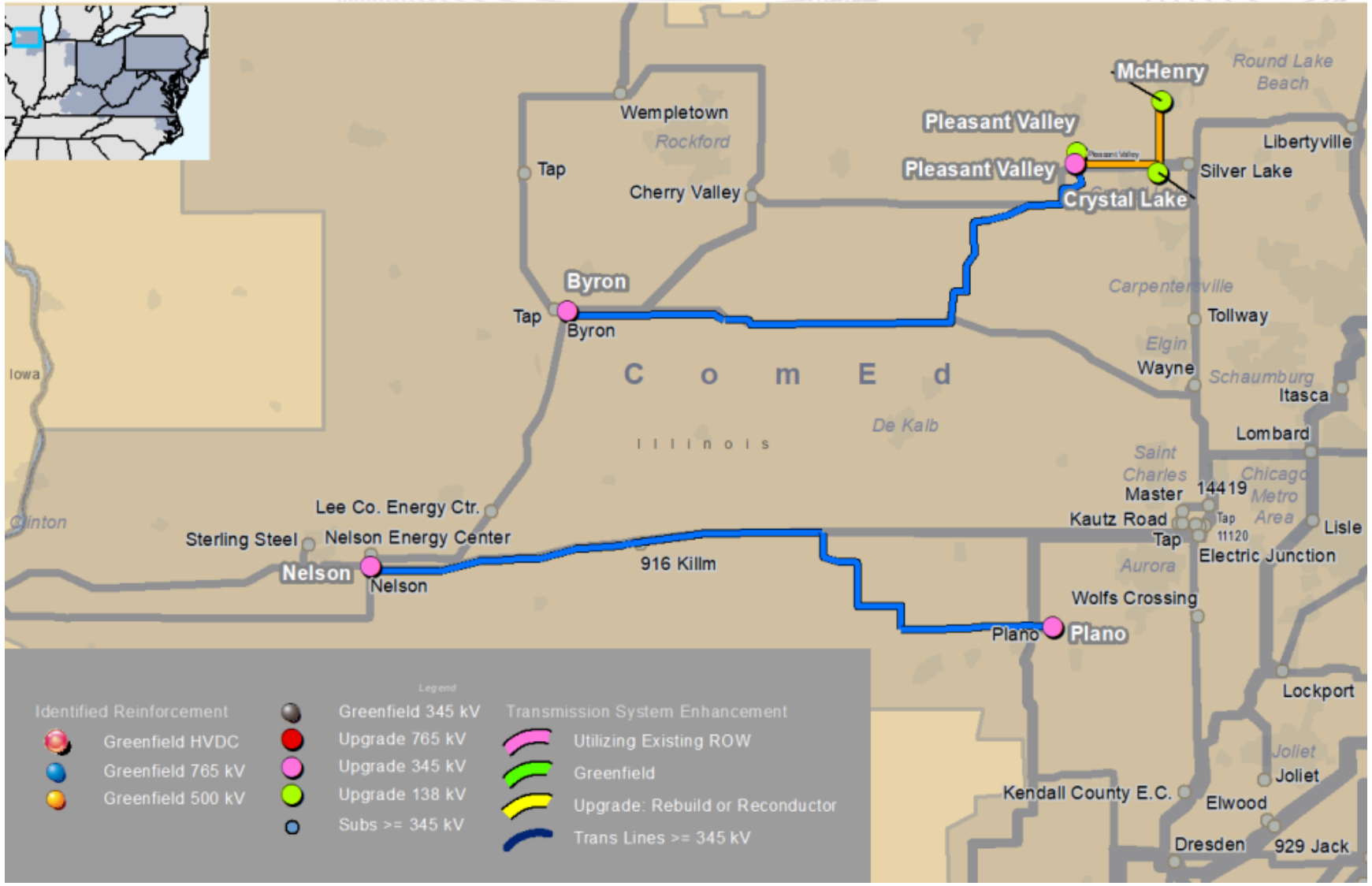
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2026-W1-216



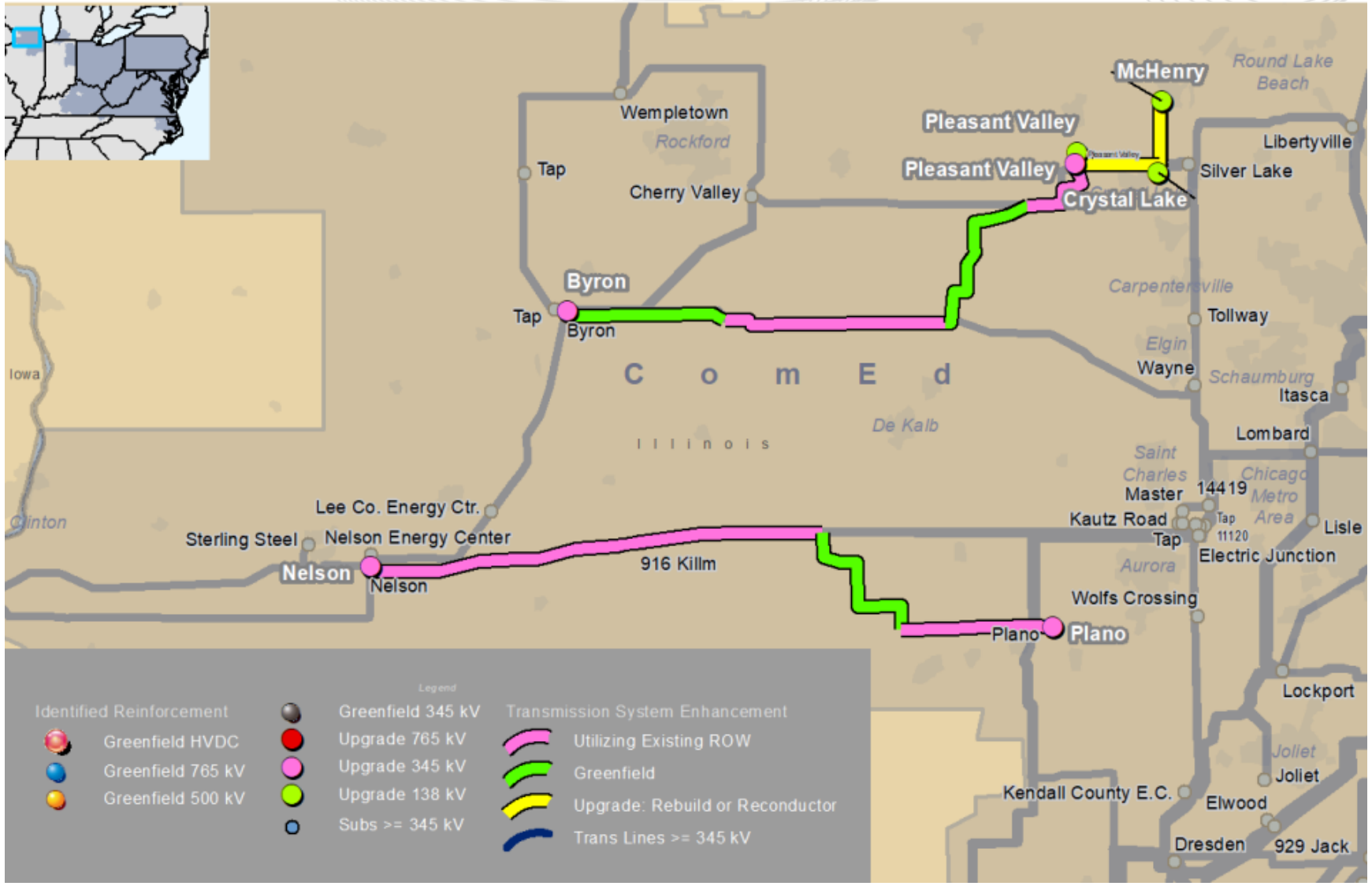
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2026-W1-402



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2026-W1-402



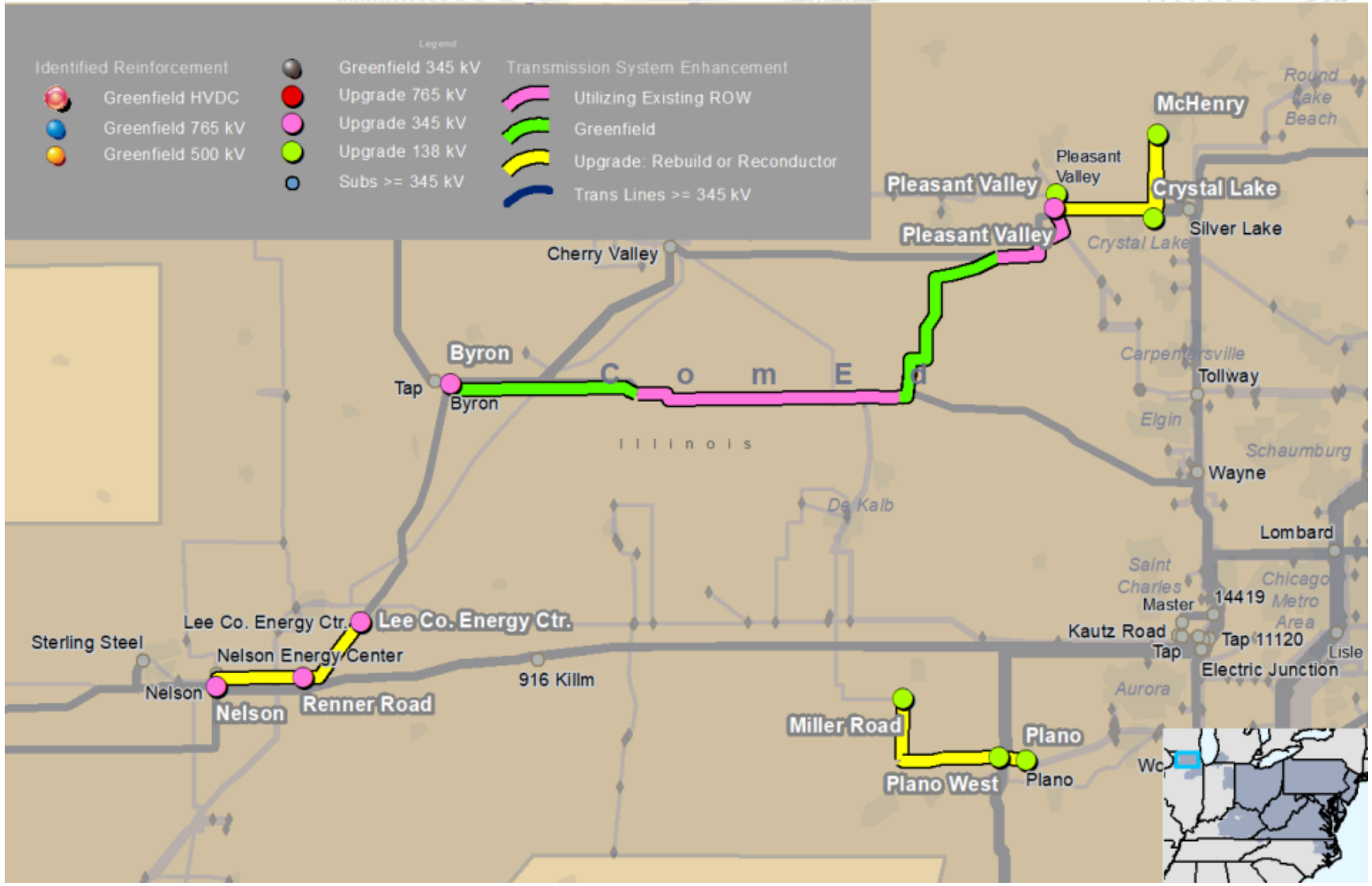
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2026-W1-524



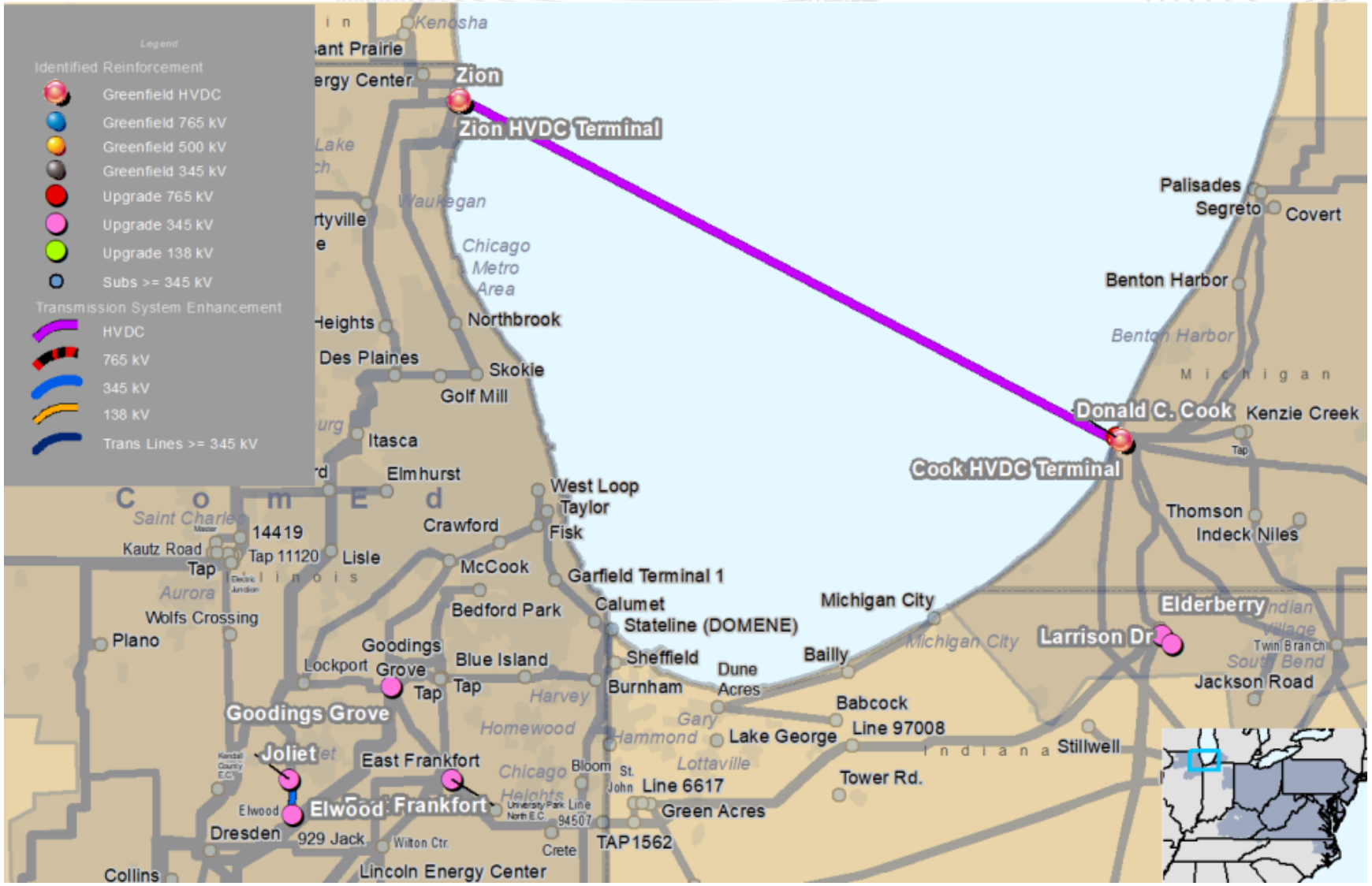
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2026-W1-524



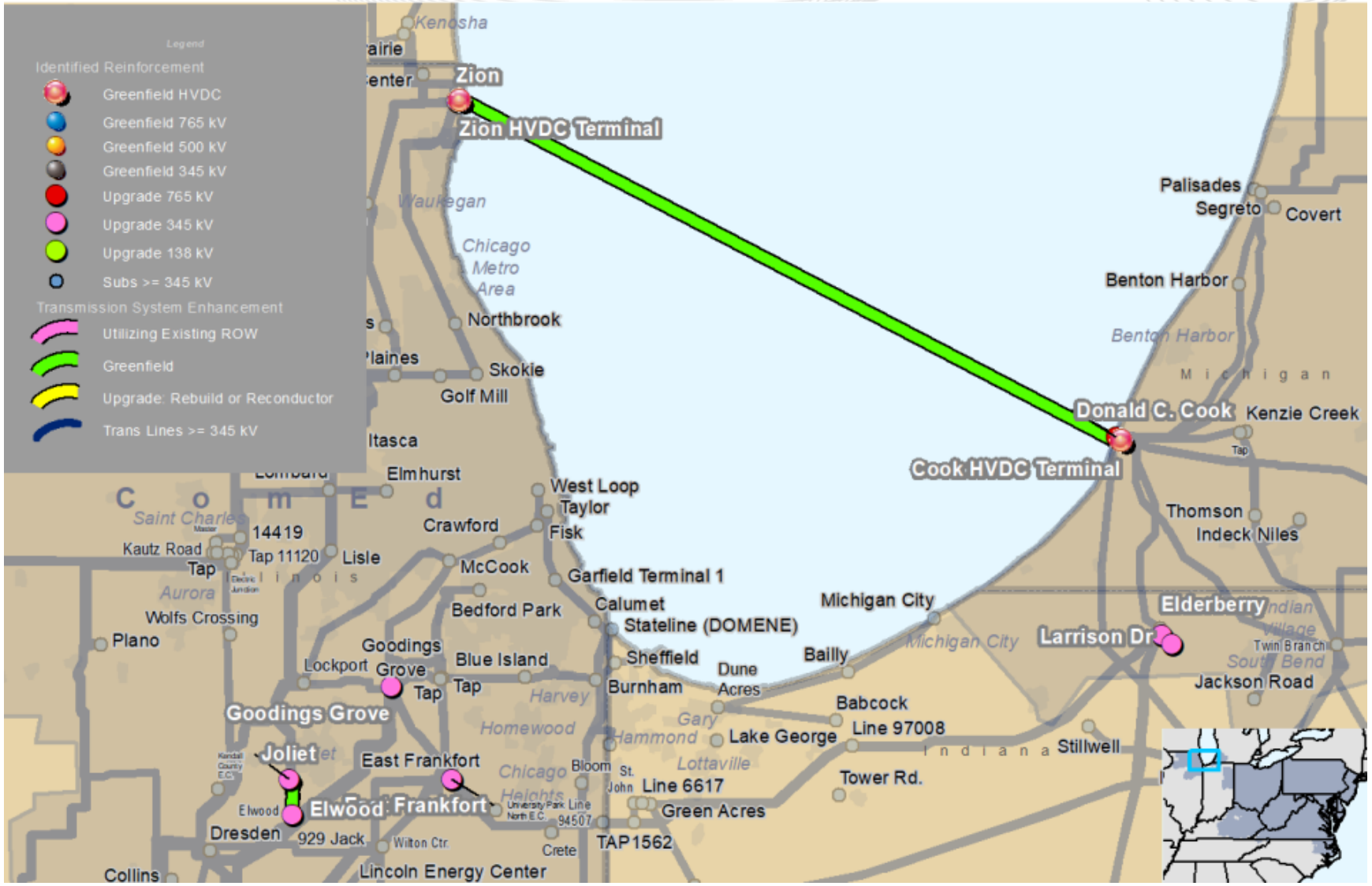
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2026-W1-836



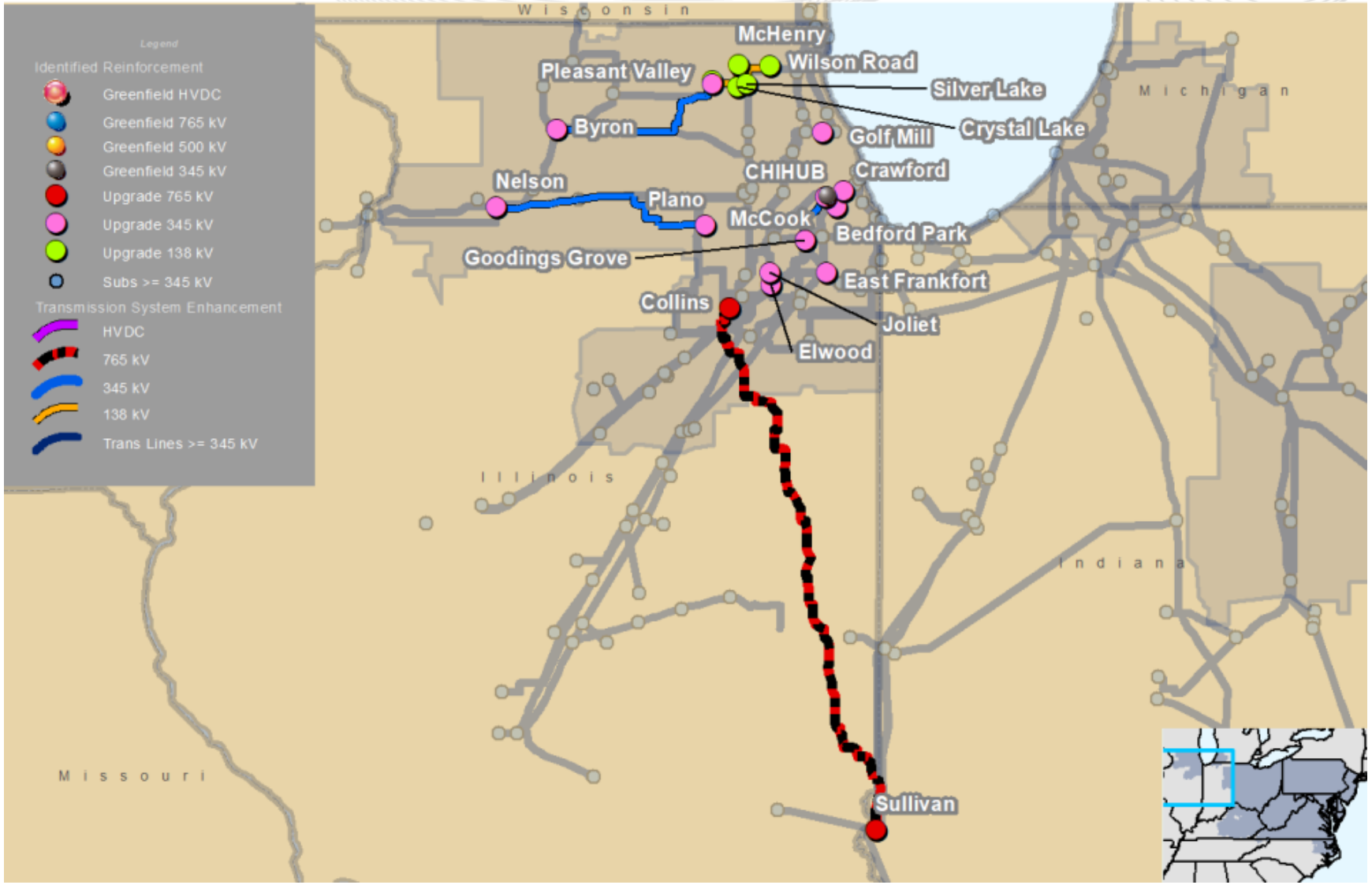
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2026-W1-836



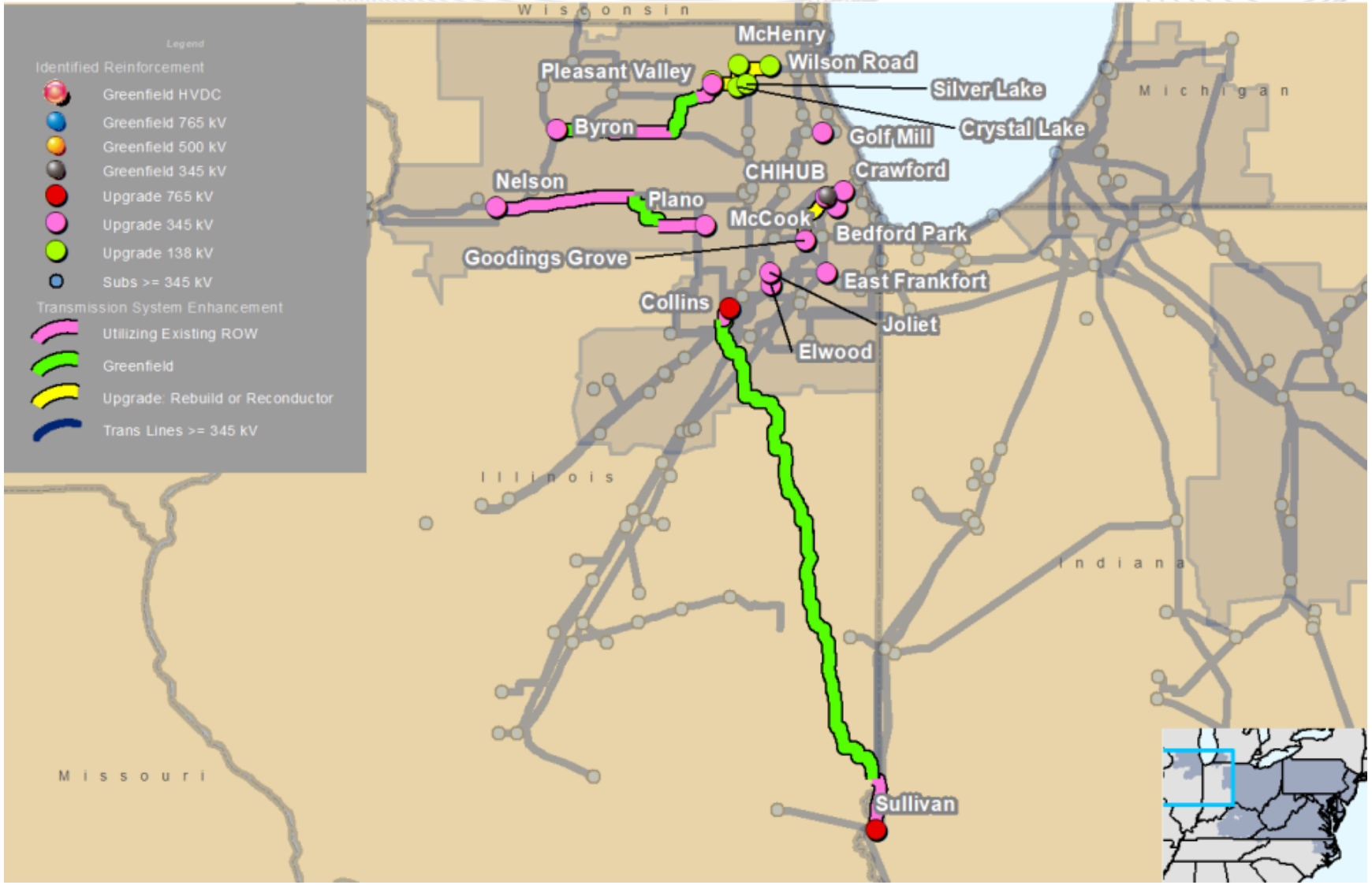
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2026-W1-859



PJM © 2026

2026-W1-859



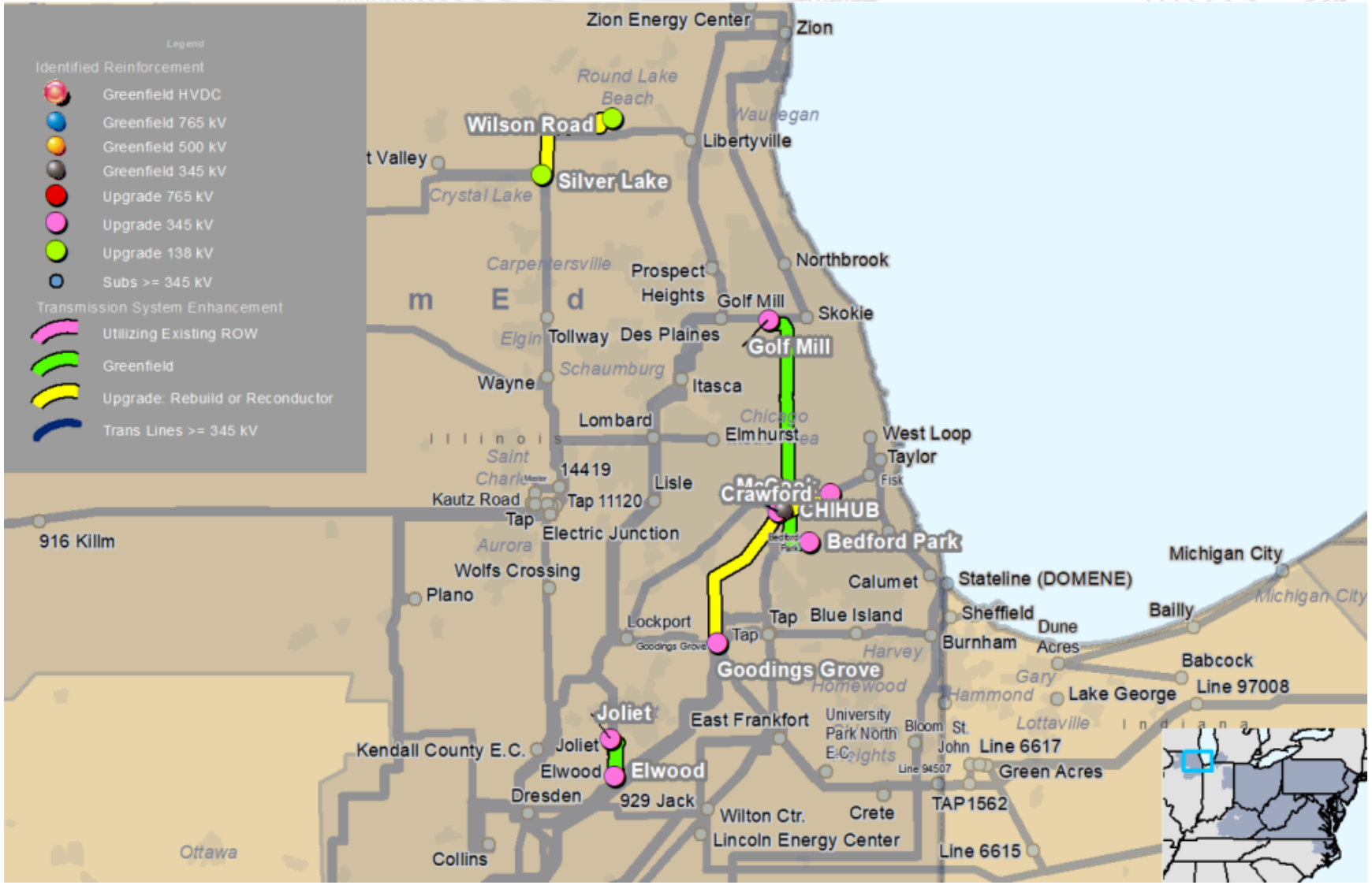
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2026-W1-927



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2026-W1-927

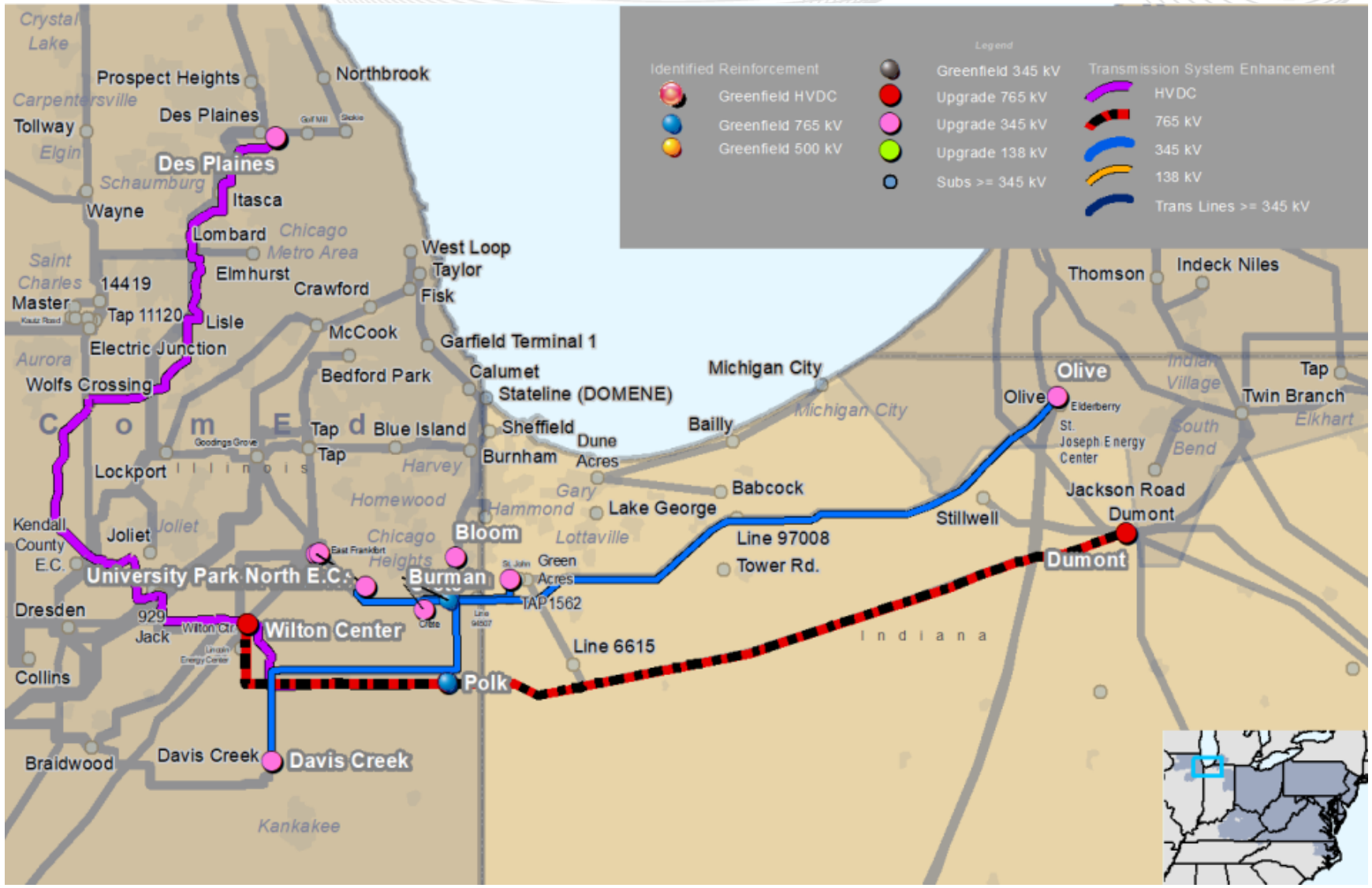


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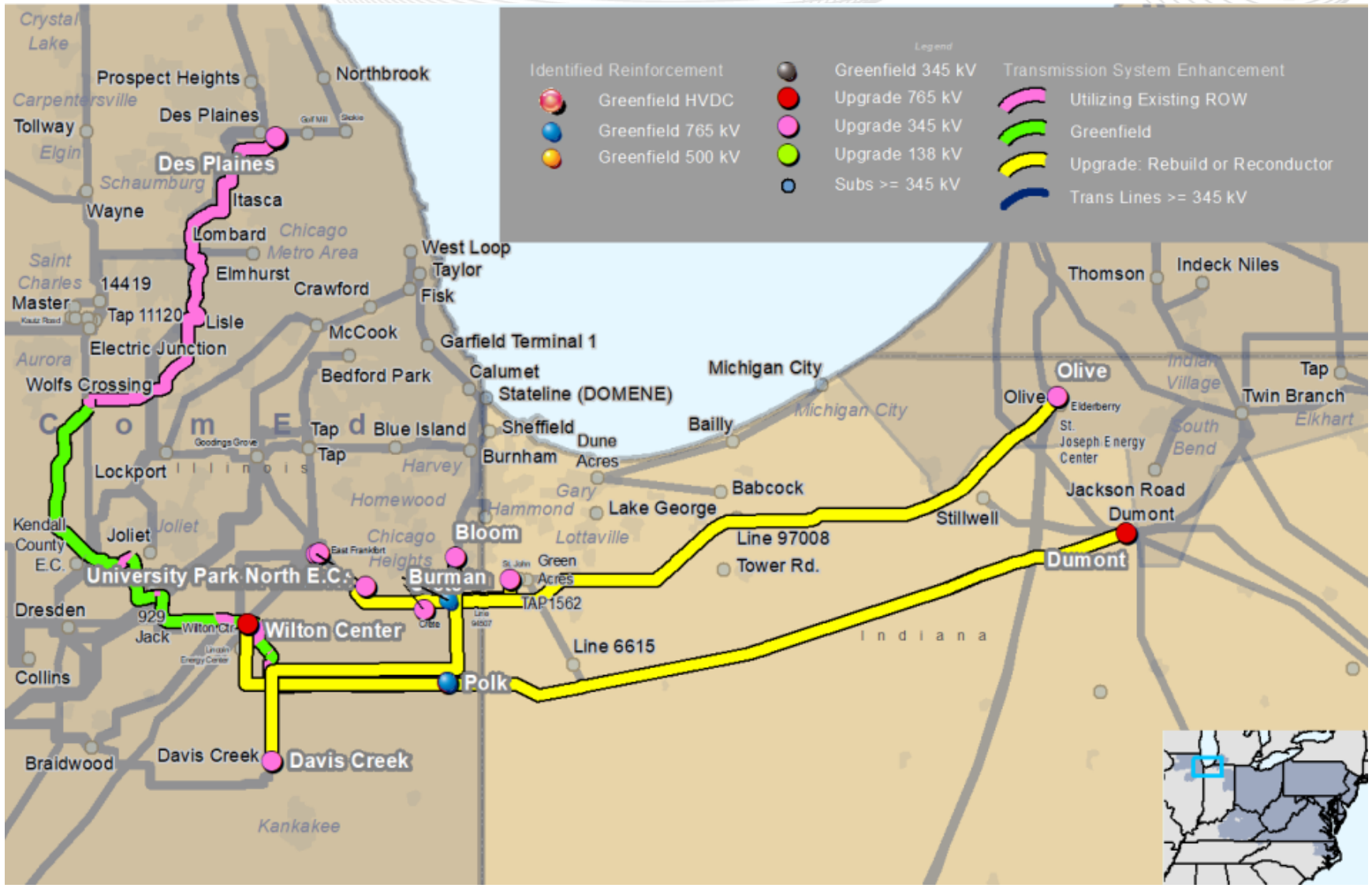
NextEra-Exelon Proposal Maps (ComEd Zone Only)

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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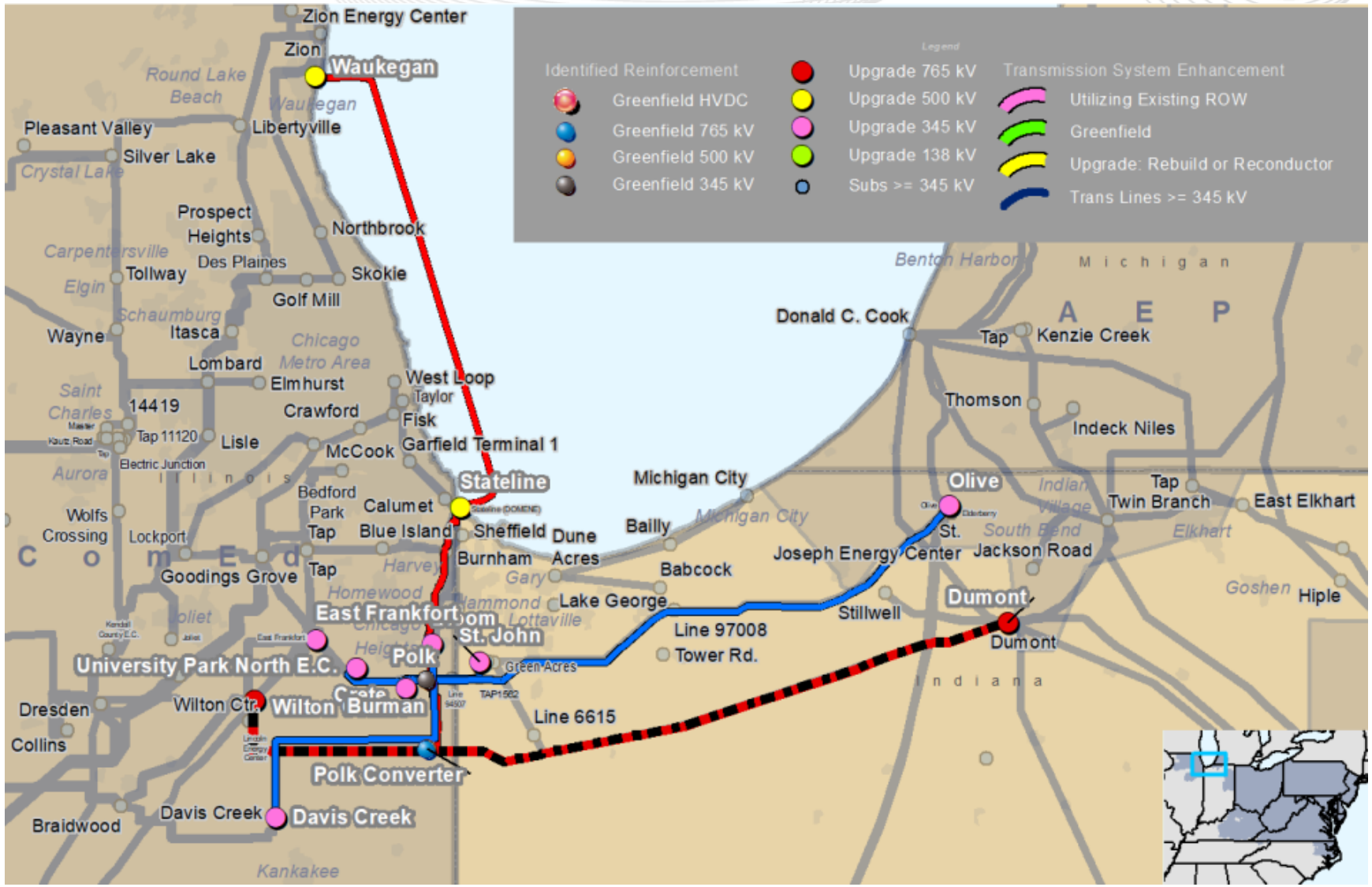

Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
HVDC
765 kV
345 kV
138 kV
Trans Lines >= 345 kV
Crystal Lake
Prospect Heights
Northbrook
Carpentersville
Des Plaines
Tollway
Elgin
Des Plaines
Schaumburg
Itasca
Wayne
Lombard
Chicago Metro Area
West Loop
Taylor
Saint Charles
14419
Elmhurst
Crawford
Fisk
Master
Tap 11120
Lisle
McCook
Electric Junction
Garfield Terminal 1
Aurora
Bedford Park
Calumet
Wolfs Crossing
Stateline (DOMENE)
Michigan City
Thomson
Indeck Niles
Olive
Tap
Twin Branch
Elkhart
Tap
Blue Island
Sheffield
Dune Acres
Bailly
Burnham
Harvey
Lockport
Homewood
Gary
Hammond
Lake George
Babcock
Jackson Road
Dumont
Kendall County E.C.
Joliet
Chicago Heights
Bloom
Lottaville
Stillwell
Line 97008
Tower Rd.
University Park North E.C.
Burman
Green Acres
IAP1562
Dresden
929
Jack
Wilton Center
Line 6615
Collins
Polk
Braidwood
Davis Creek
Davis Creek
Kankakee
Indiana

PJM © 2026


Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
Utilizing Existing ROW
Greenfield
Upgrade: Rebuild or Reconductor
Trans Lines >= 345 kV
Crystal Lake
Prospect Heights
Northbrook
Carpentersville
Des Plaines
Tollway
Elgin
Des Plaines
Schaumburg
Itasca
Wayne
Lombard
Chicago Metro Area
West Loop
Taylor
Saint Charles
14419
Elmhurst
Crawford
Fisk
Master
Tap 11120
Lisle
McCook
Garfield Terminal 1
Electric Junction
Aurora
Bedford Park
Calumet
Michigan City
Wolfs Crossing
Stateline (DOMENE)
Olive
Thomson
Indeck Niles
Tap
Twin Branch
Elkhart
Blue Island
Sheffield
Bailly
Dune Acres
Burnham
Harvey
Lockport
Homewood
Gary
Hammond
Lake George
Babcock
Jackson Road
Dumont
Kendall County E.C.
Joliet
Chicago Heights
Bloom
Lottaville
Stillwell
Line 97008
University Park North E.C.
Burman
Green Acres
Tower Rd.
Dumont
TAP1562
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929
Jack
Wilton Center
Line 6615
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Polk
Indiana
Braidwood
Davis Creek
Davis Creek
Kankakee

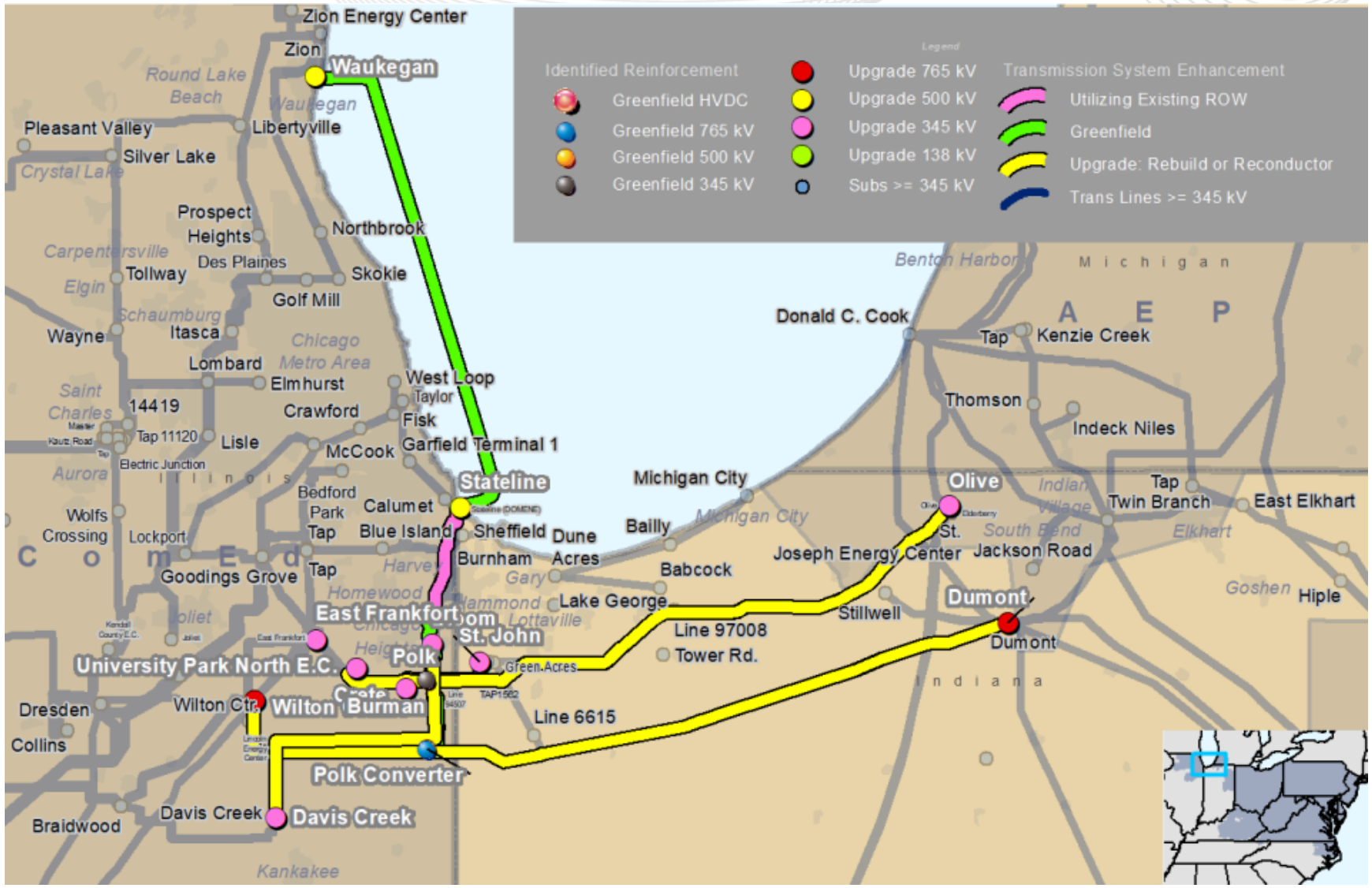
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2026-W1-33



PJM © 2026

2026-W1-33



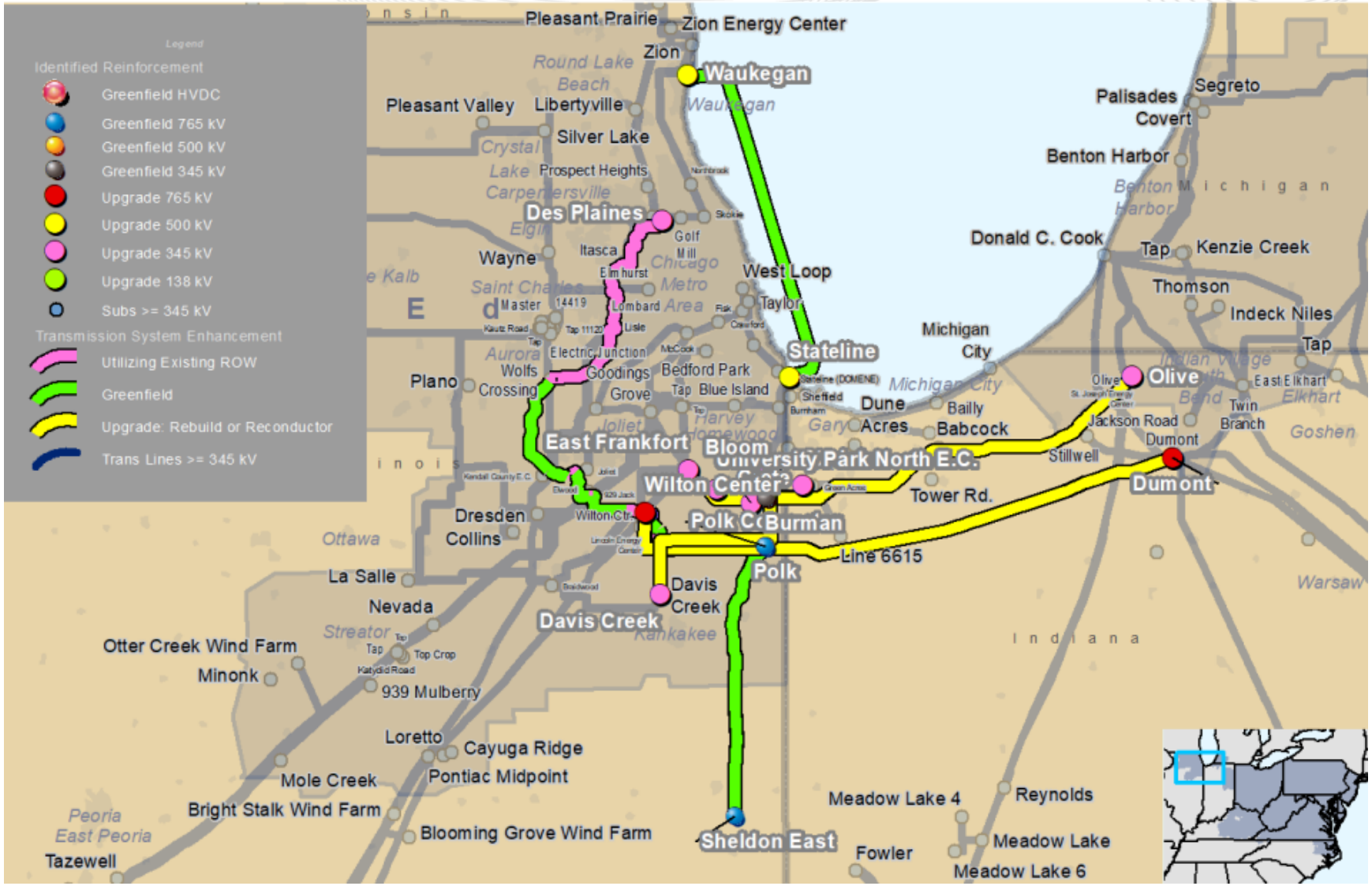
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2026-W1-301



PJM © 2026

2026-W1-301



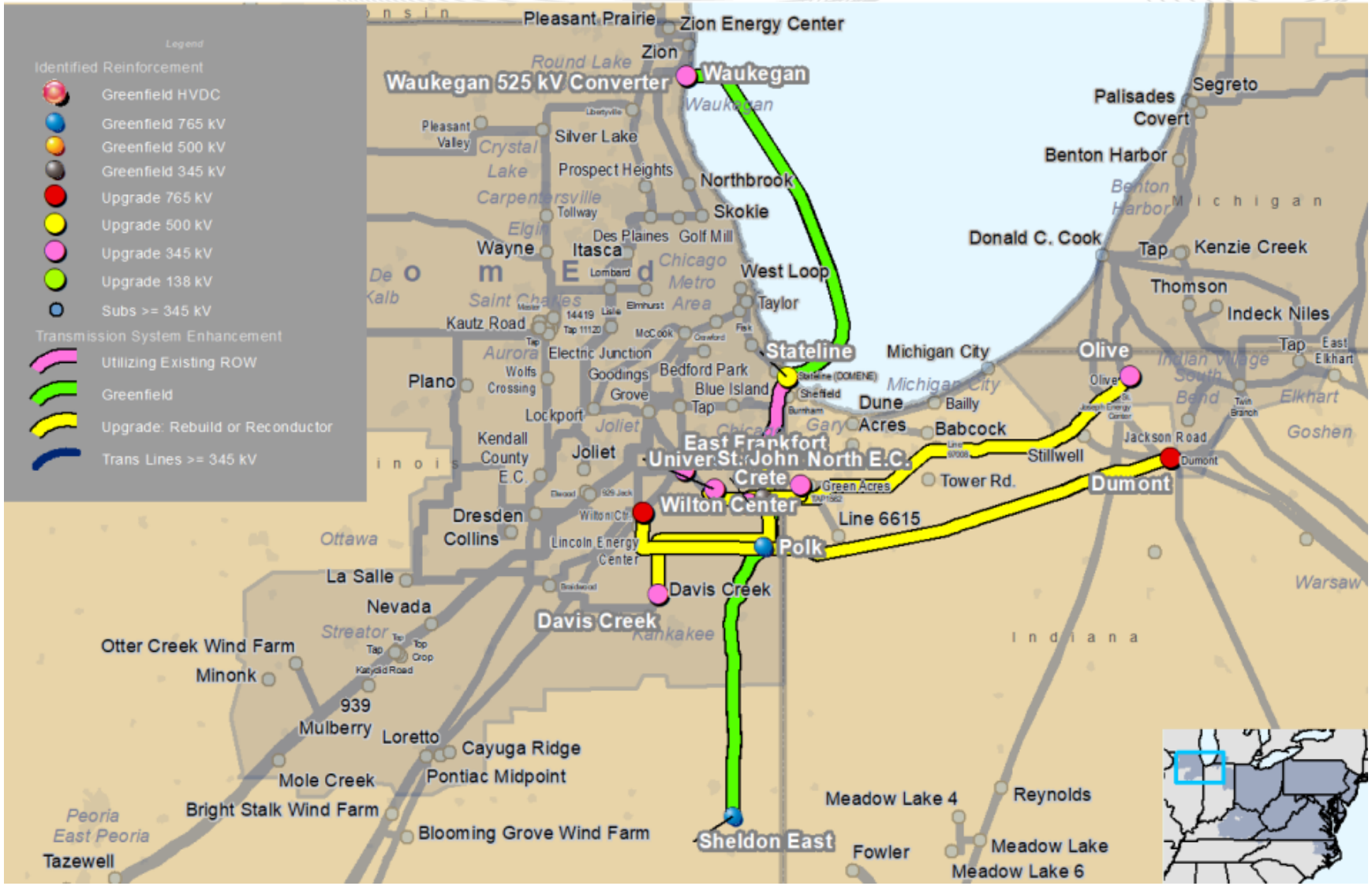
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2026-W1-313



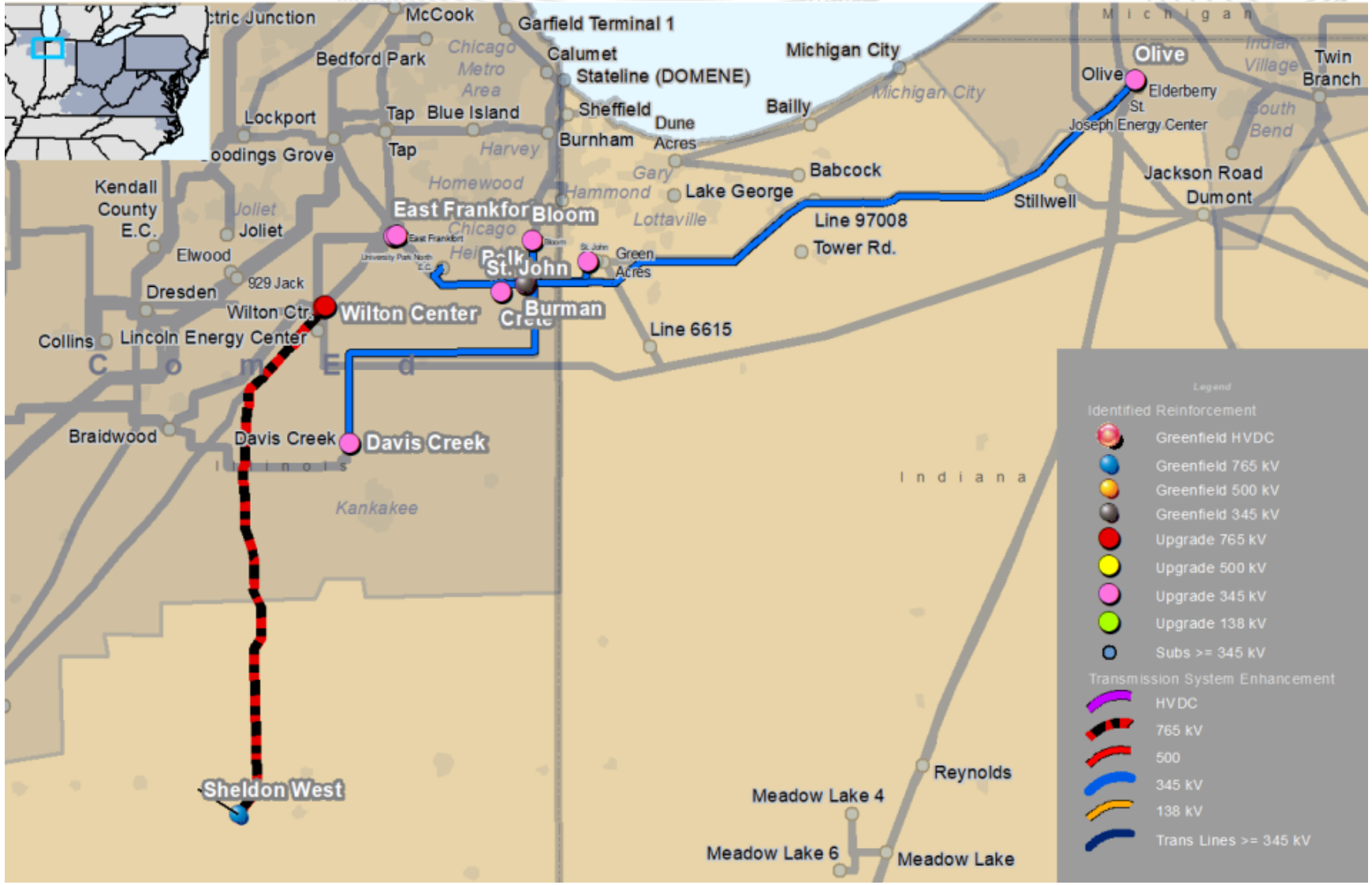
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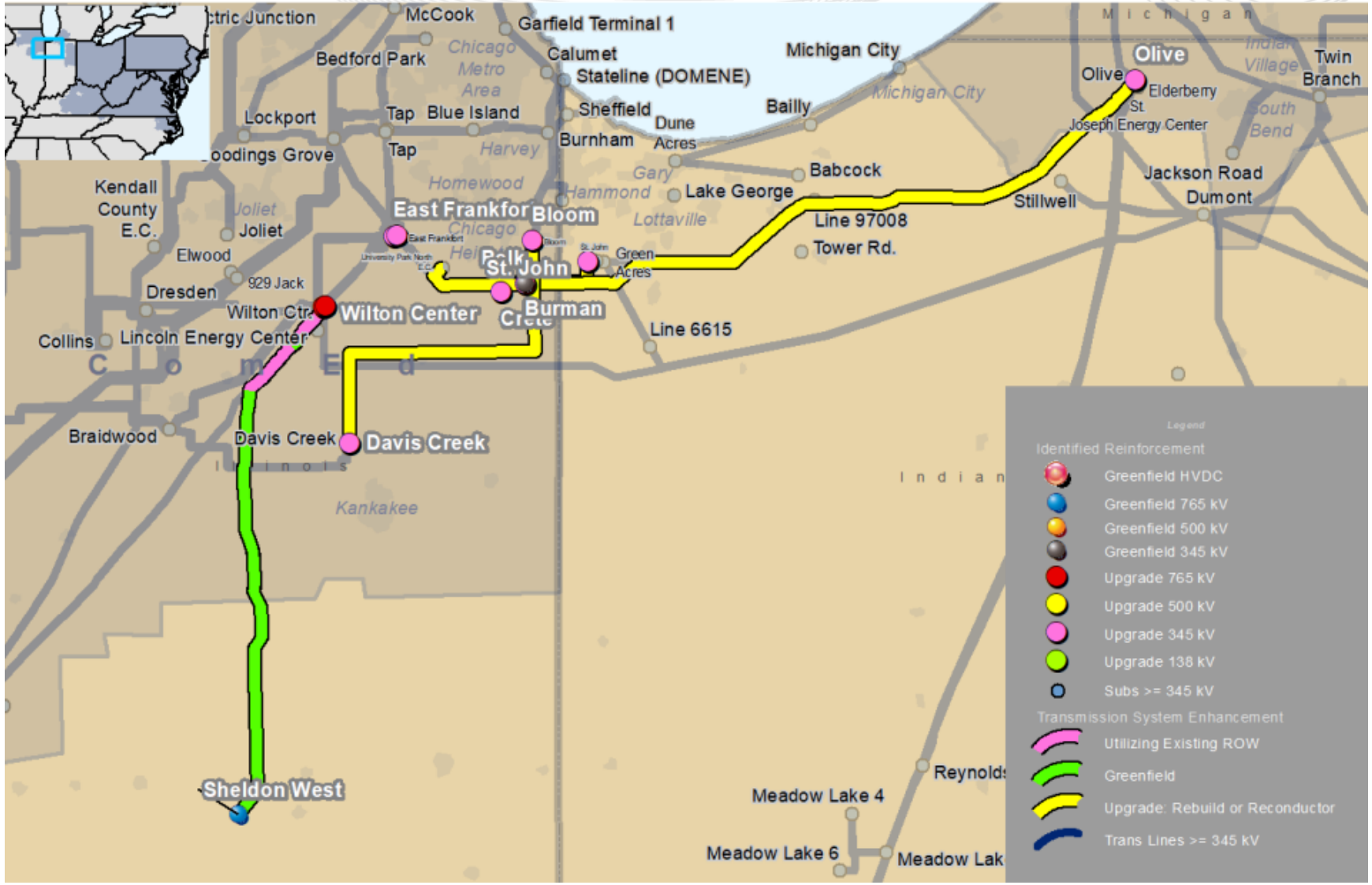
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2026-W1-373



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2026-W1-373



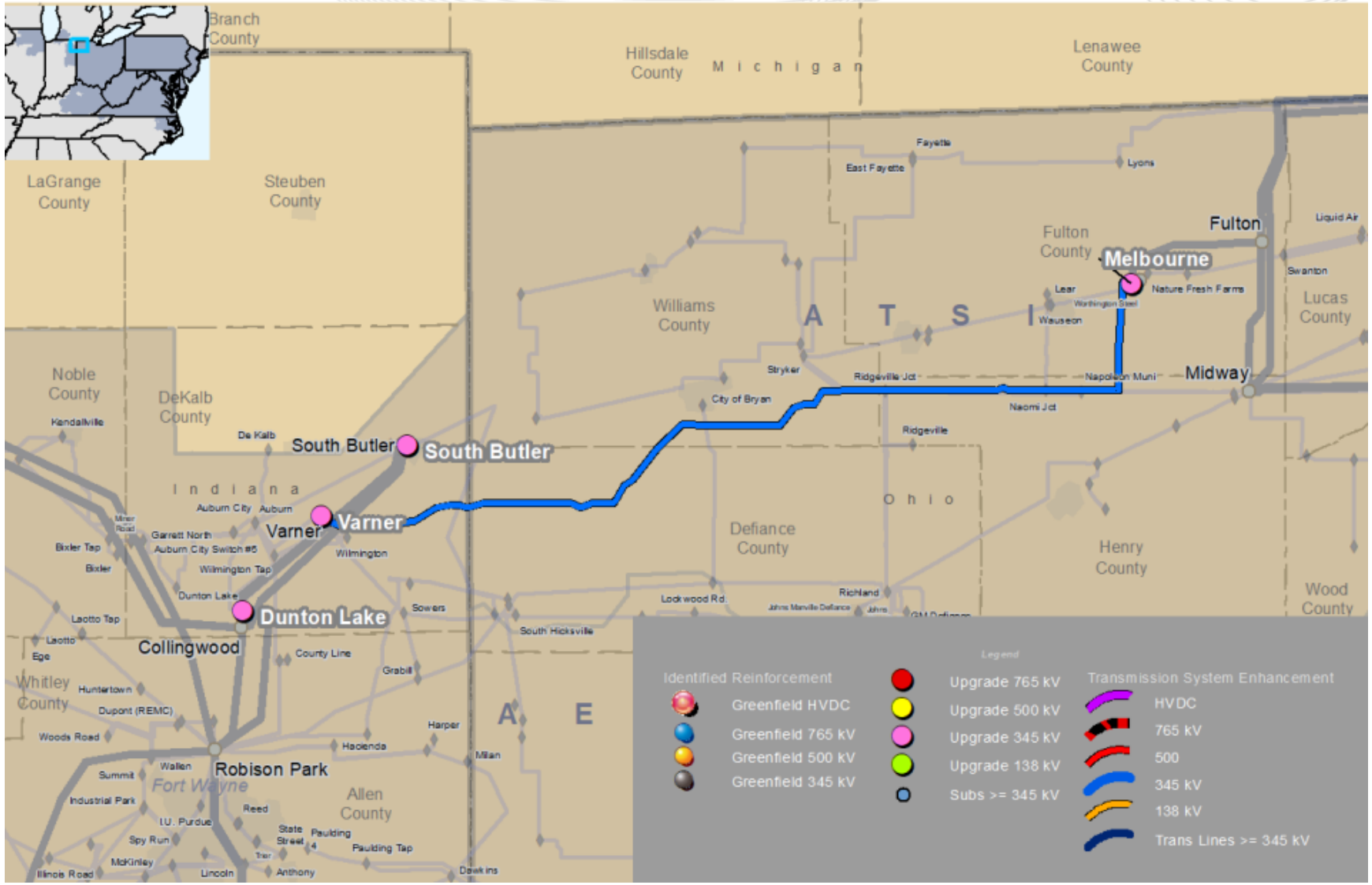
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NextEra-Exelon Proposal Maps (other than ComEd zone)

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

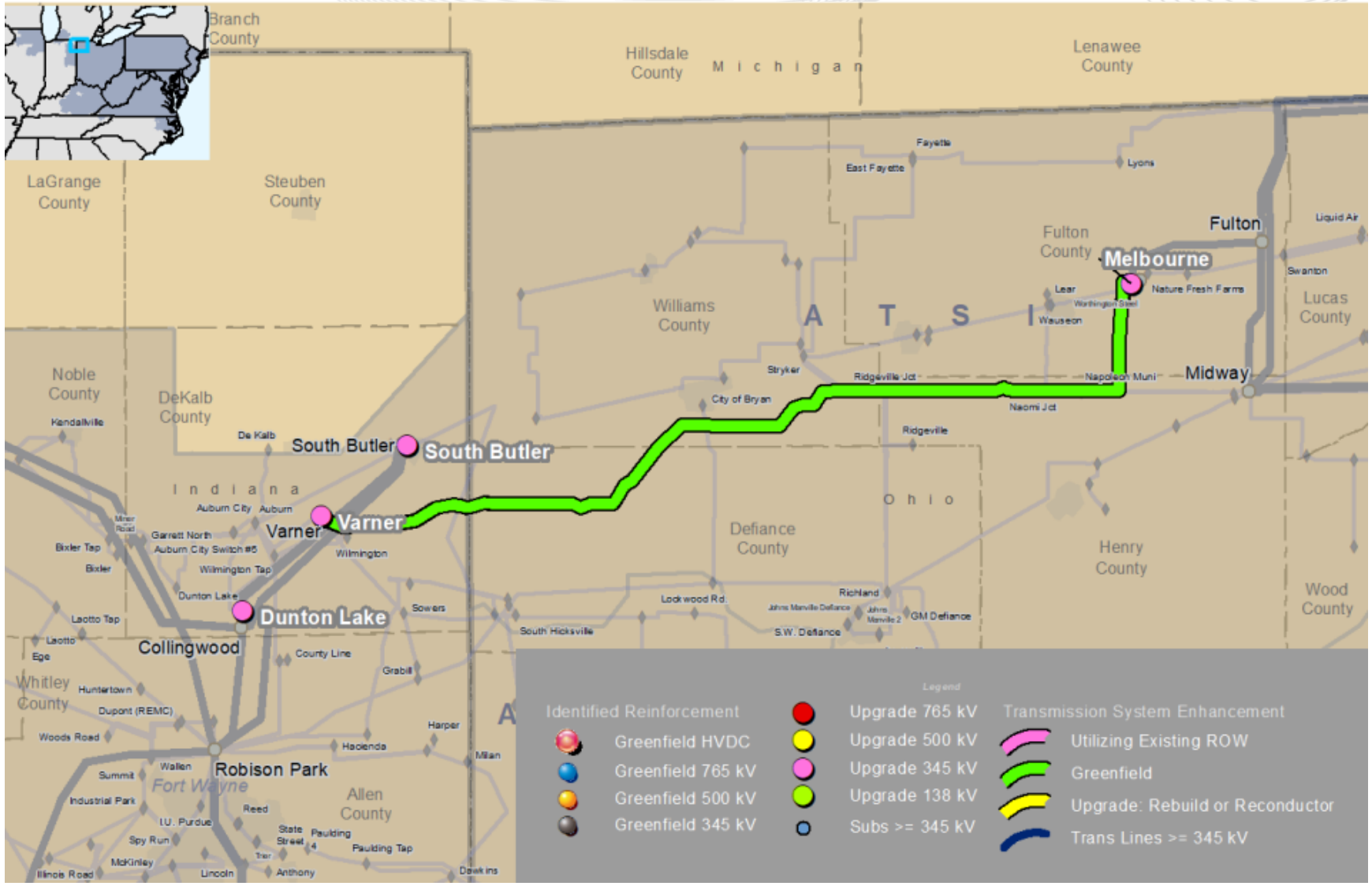
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2026-W1-479



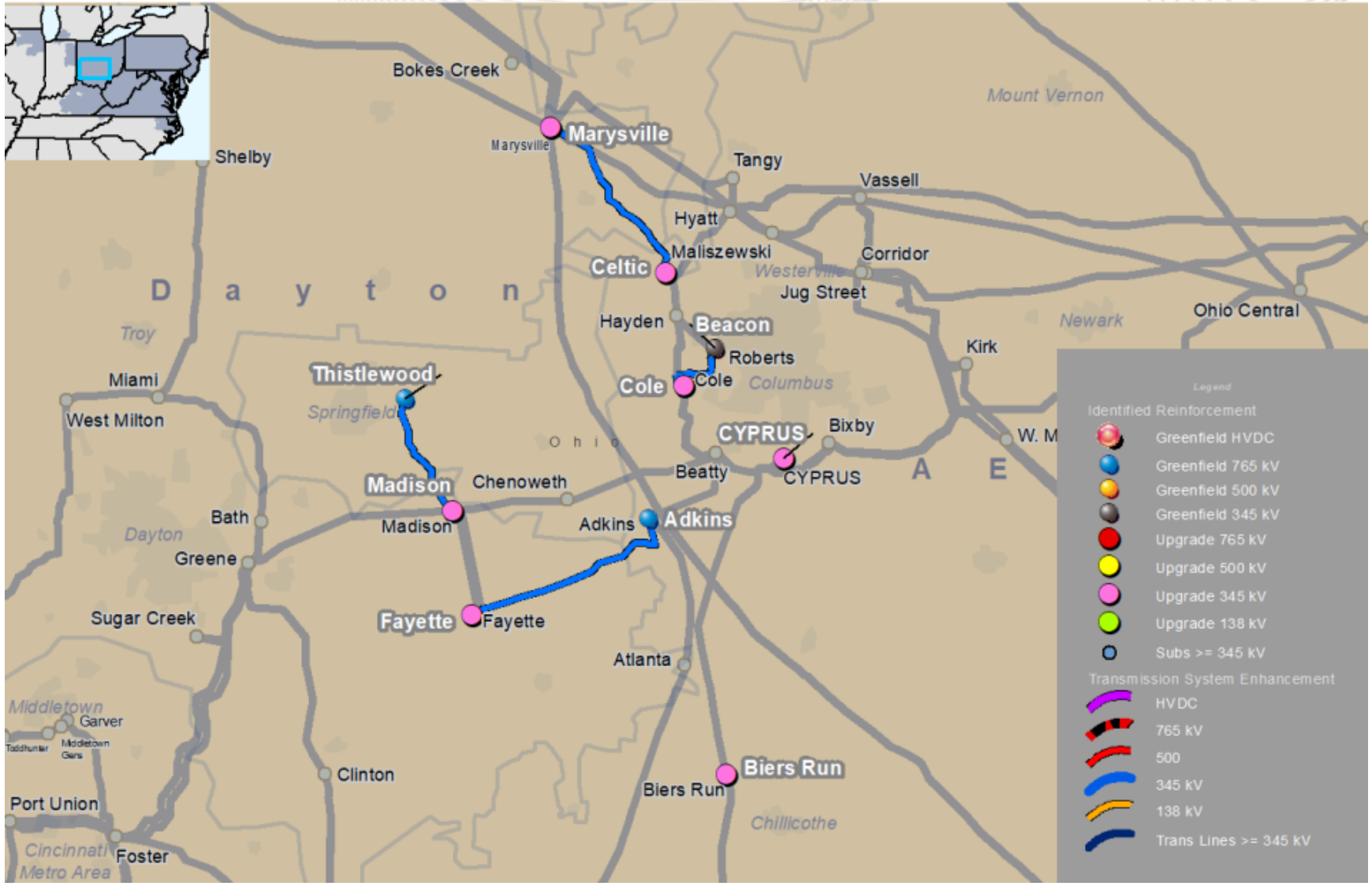
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2026-W1-479



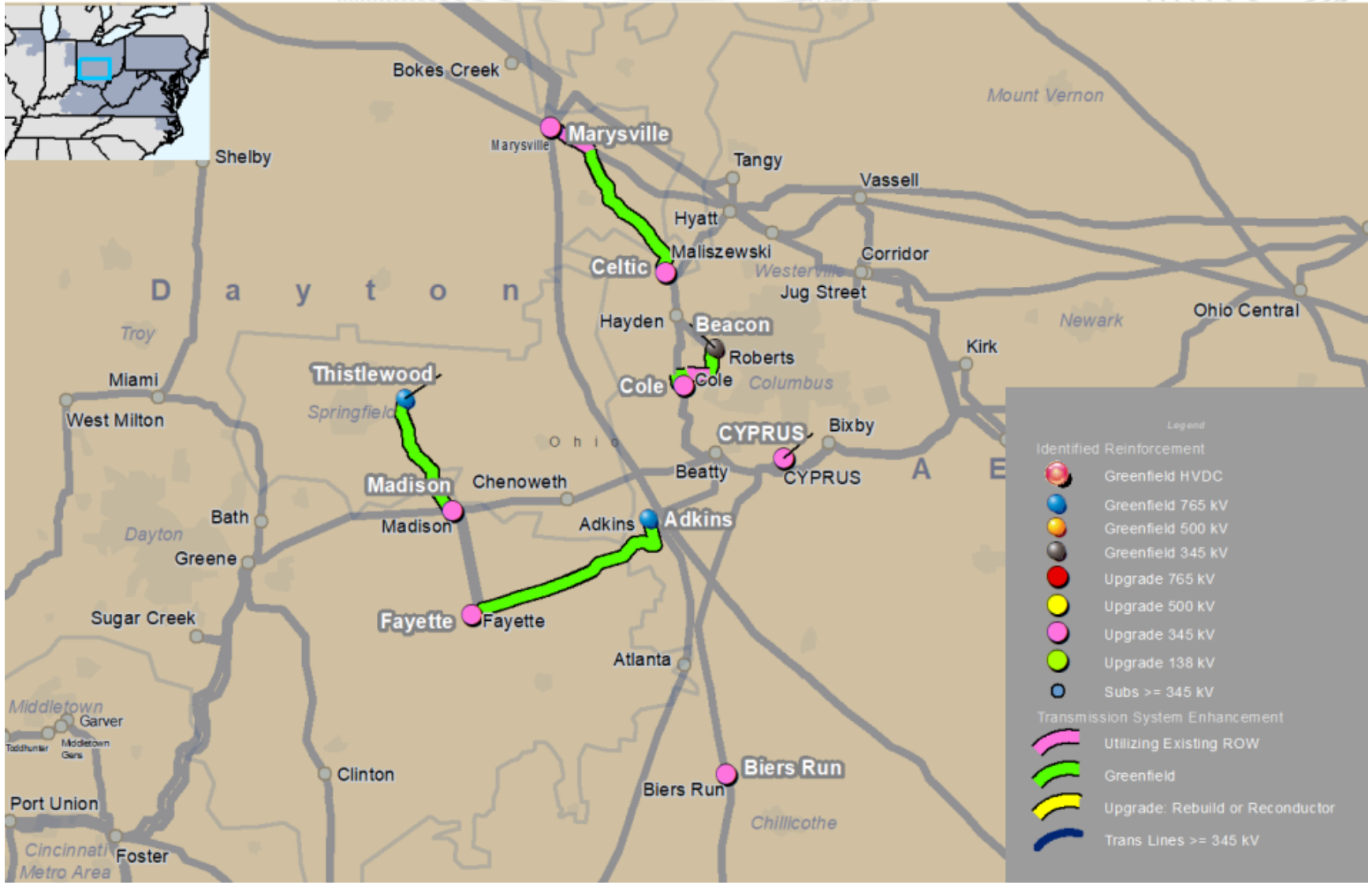
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2026-W1-530



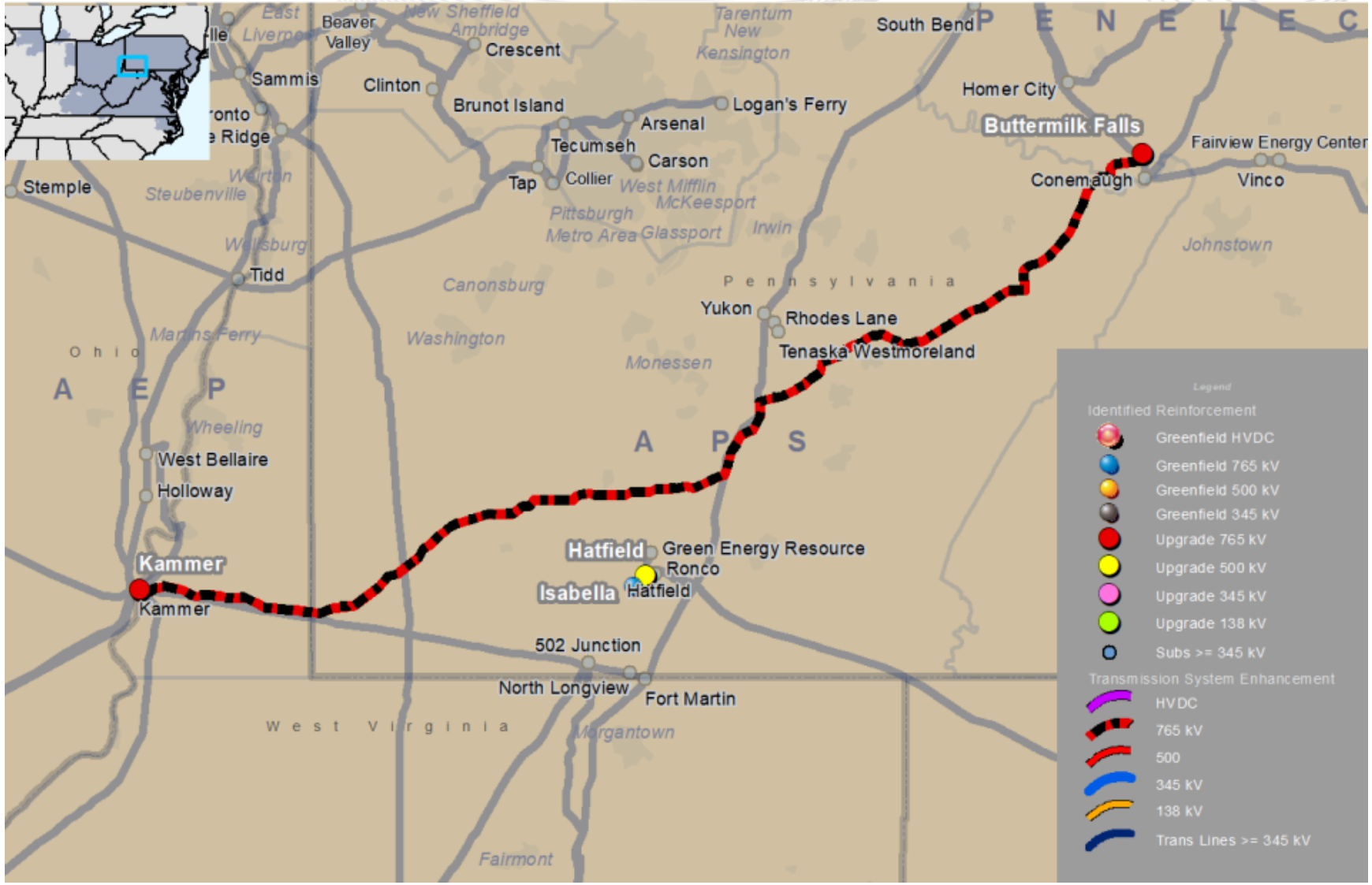
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2026-W1-530



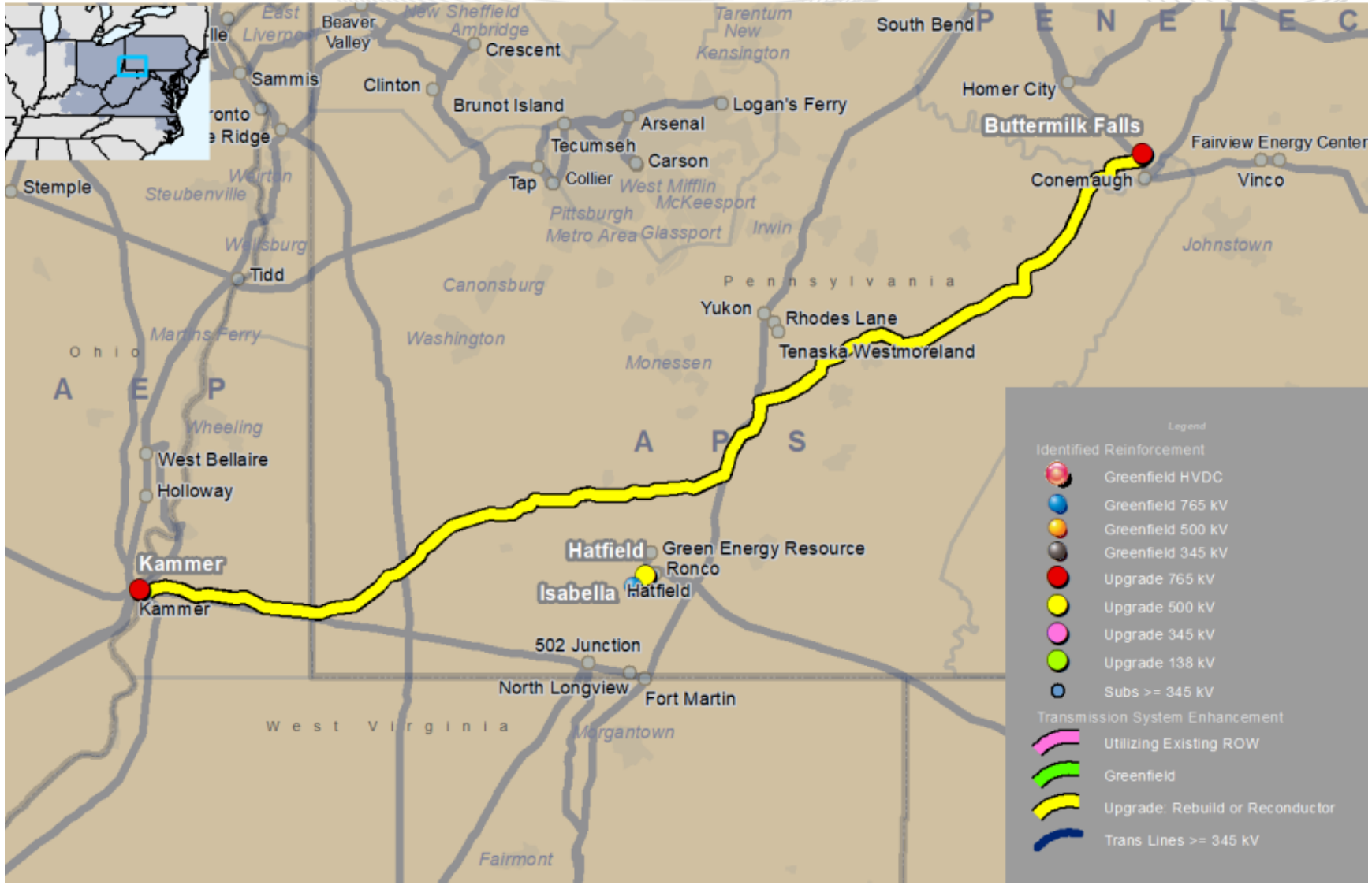
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2026-W1-662



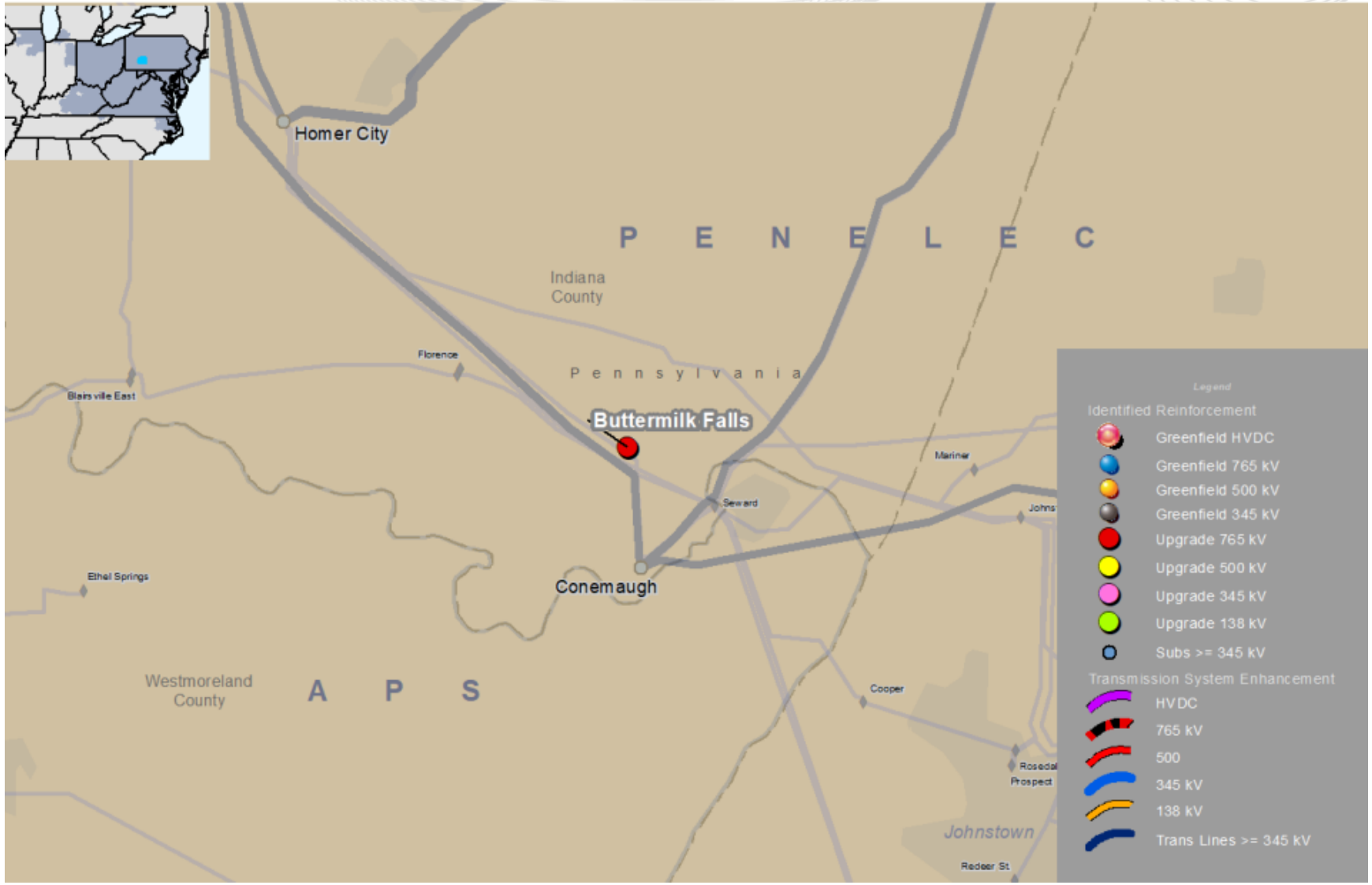
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2026-W1-662



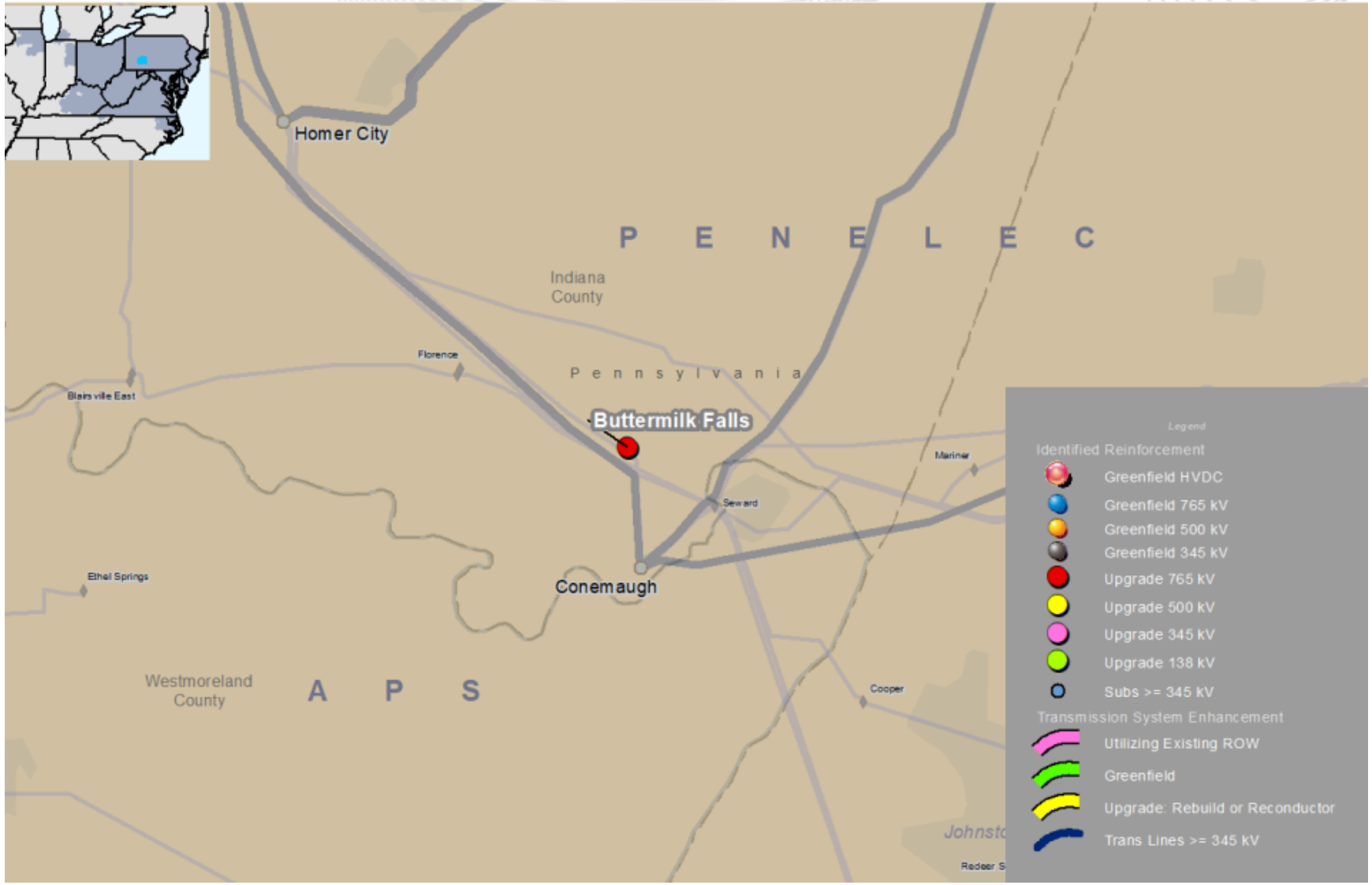
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2026-W1-691



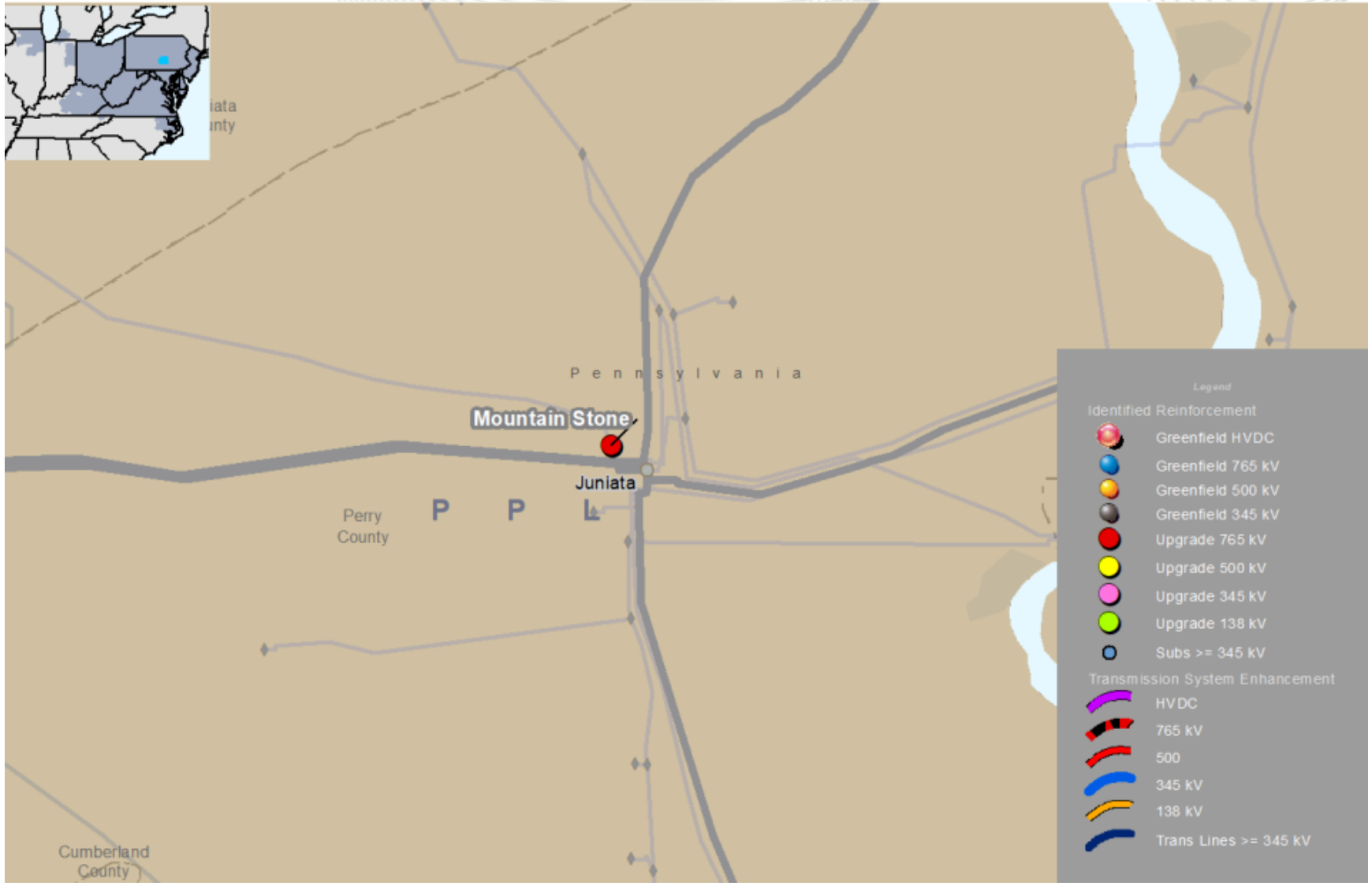
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2026-W1-691



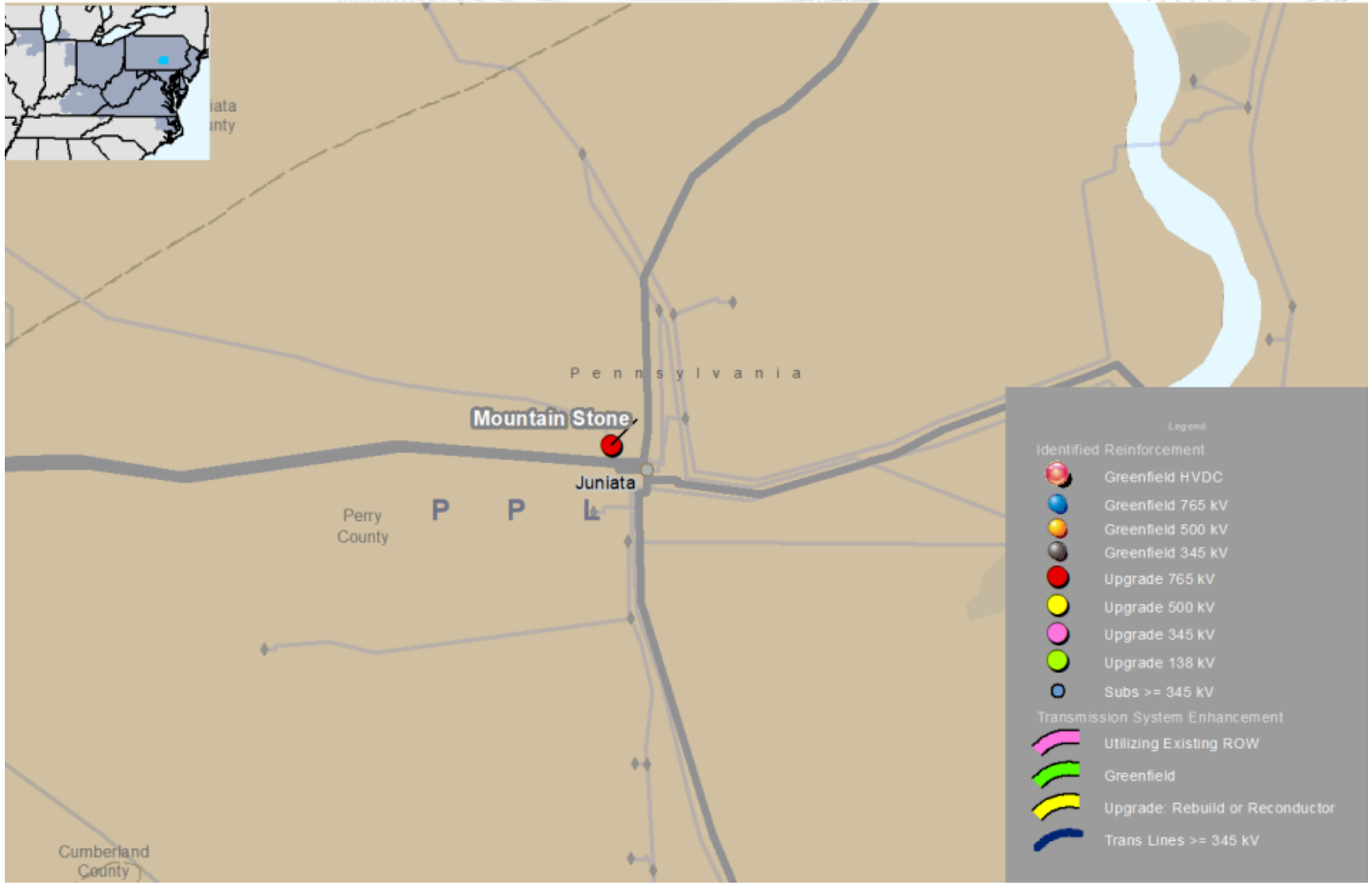
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2026-W1-727



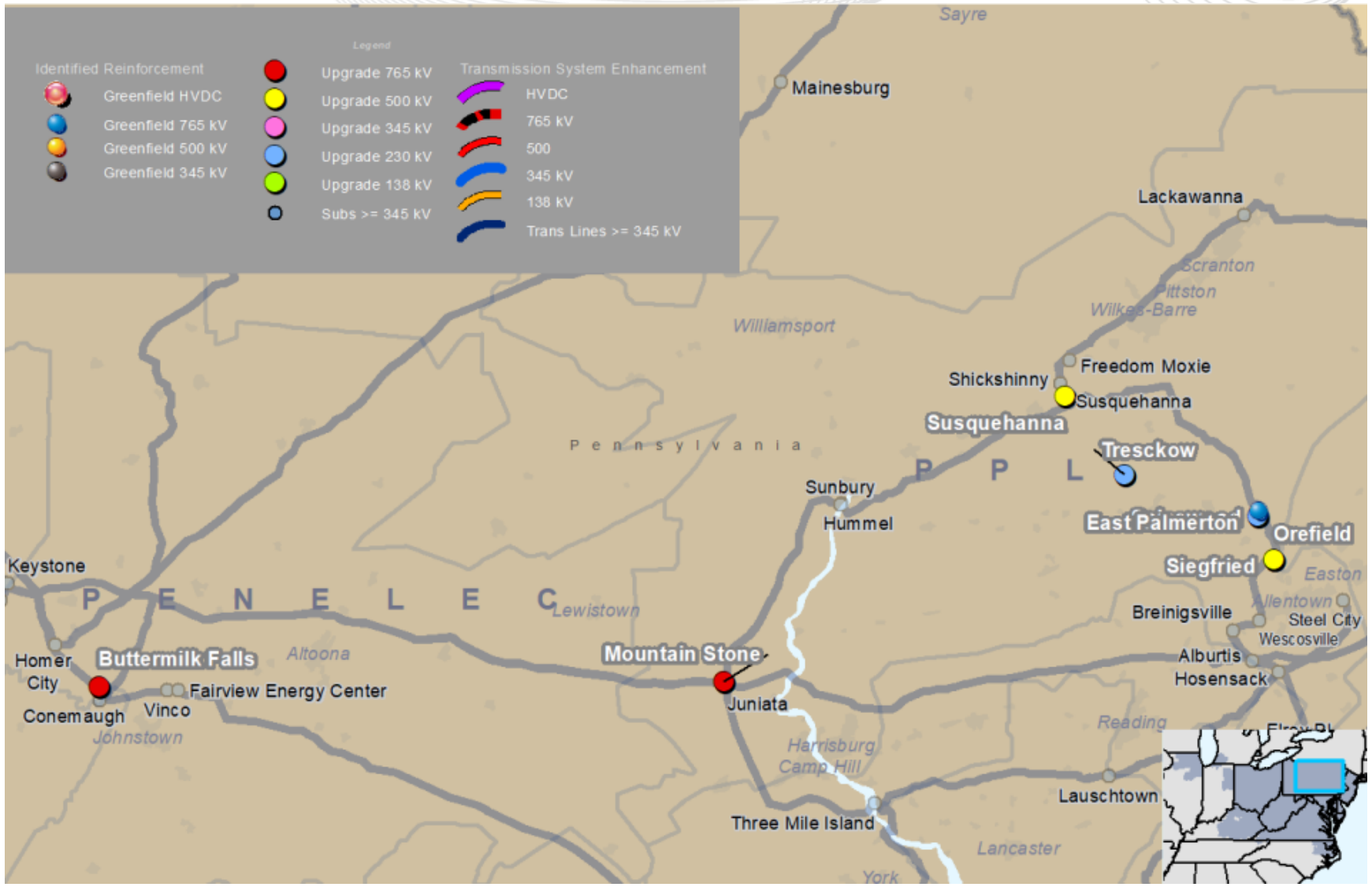
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2026-W1-727



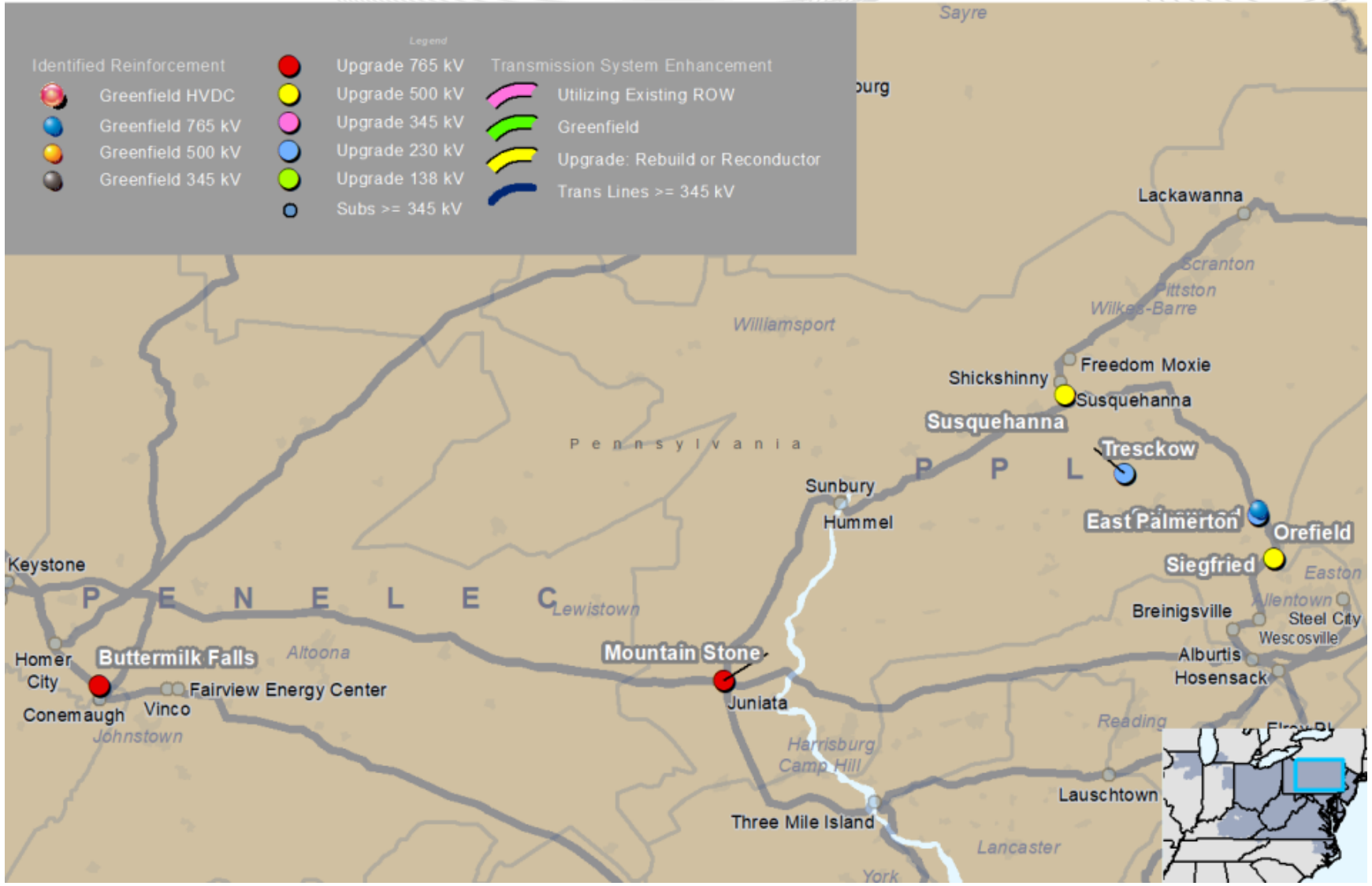
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2026-W1-756



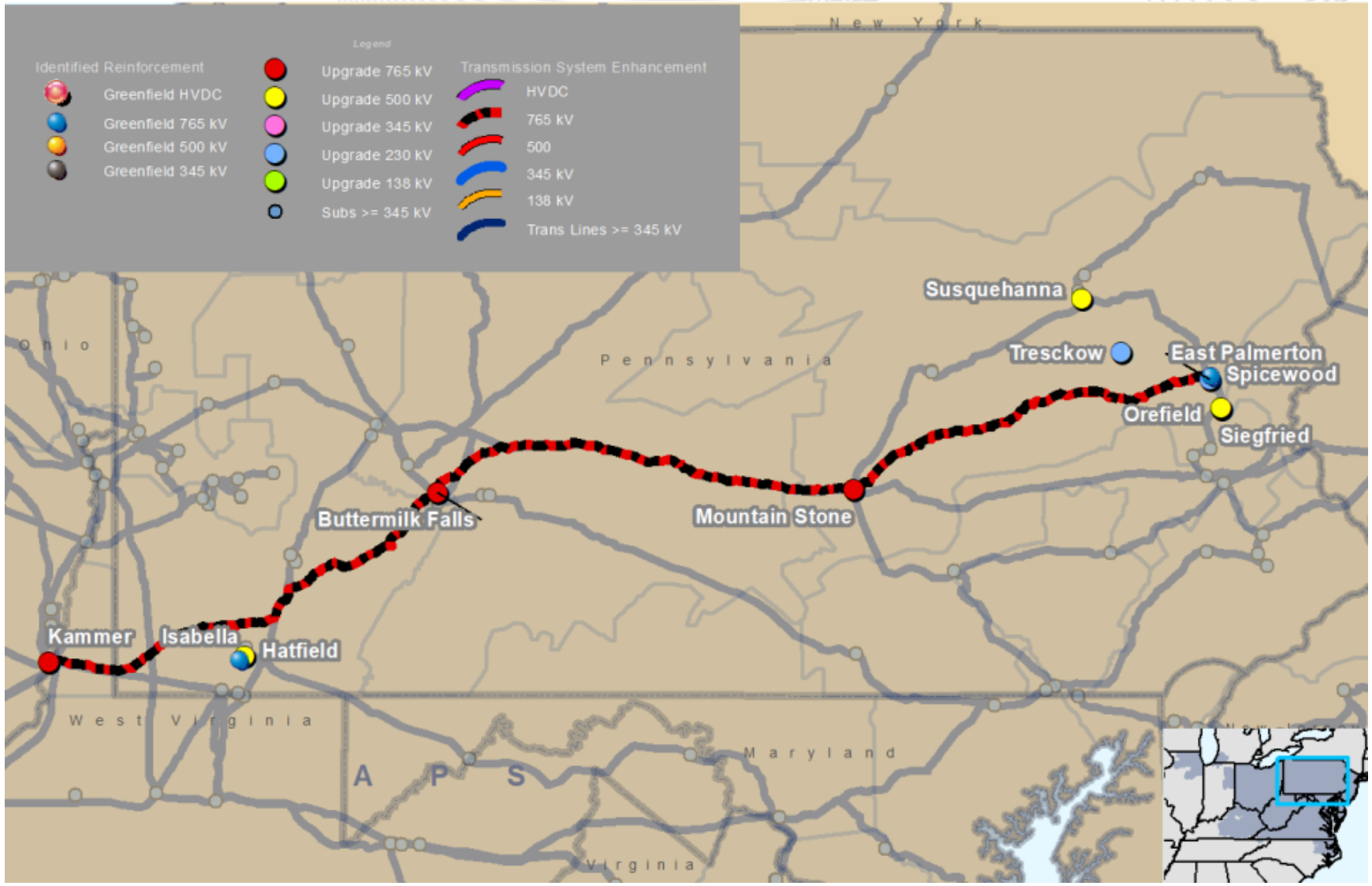
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2026-W1-756



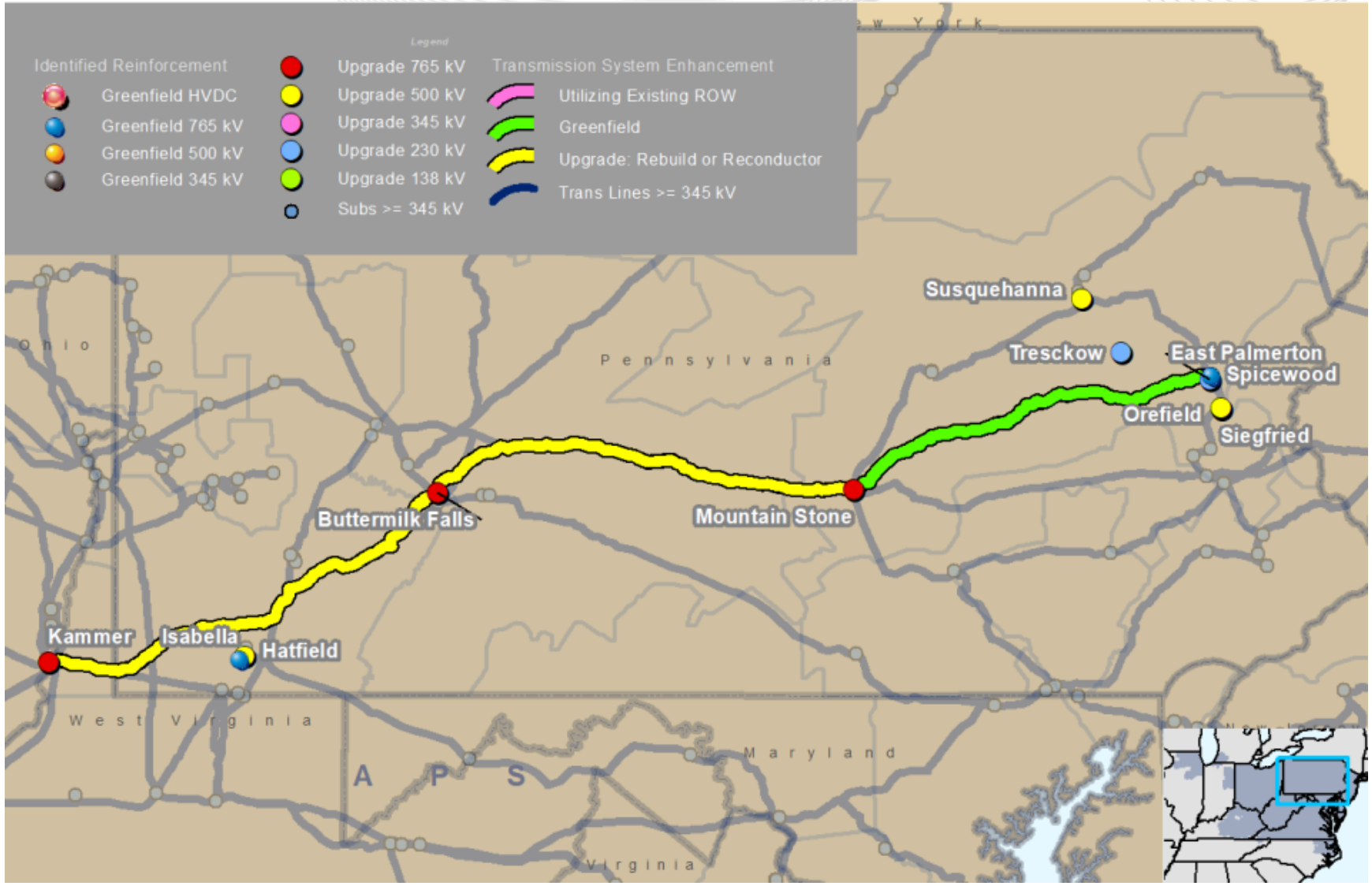
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2026-W1-765



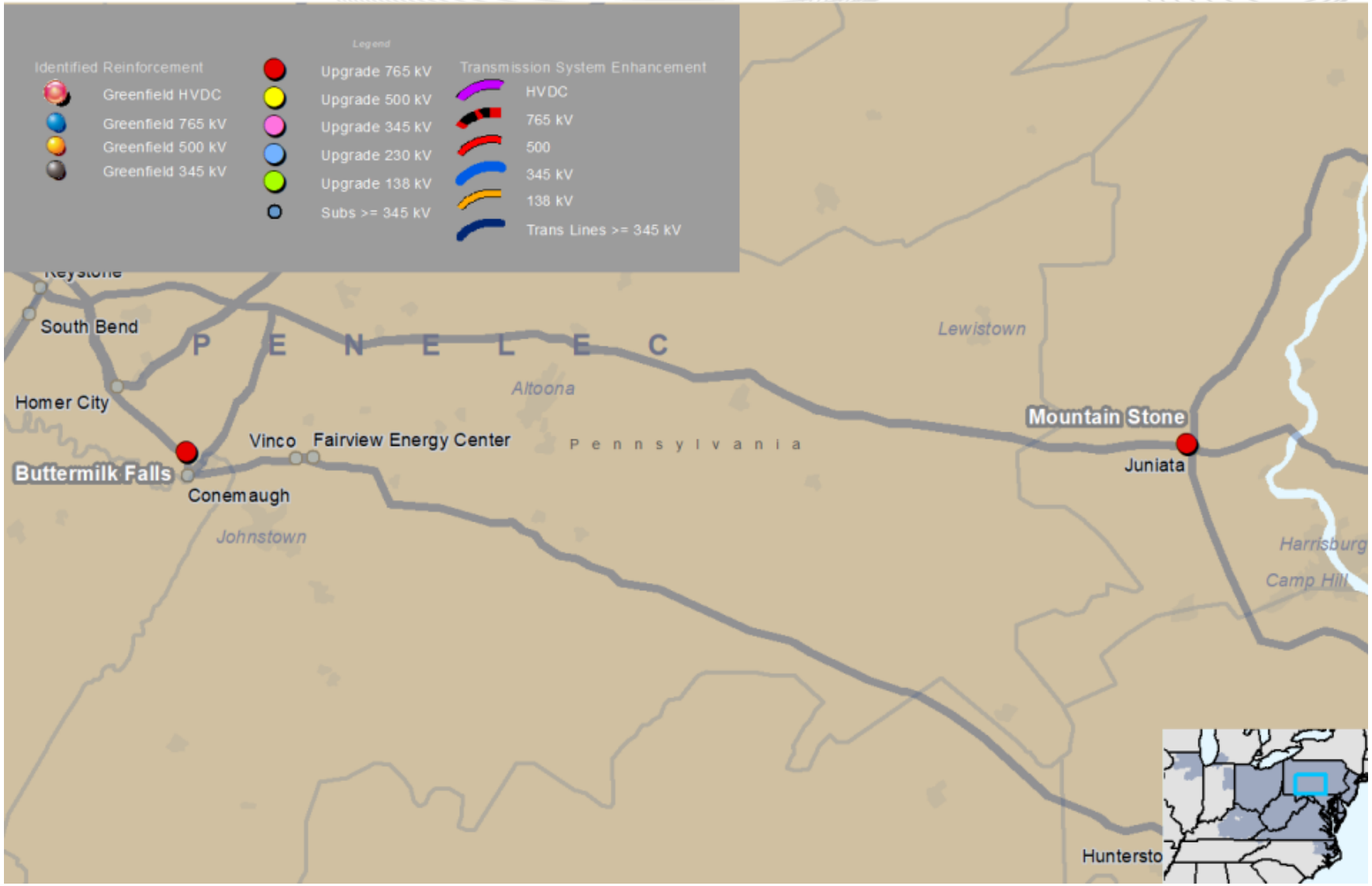
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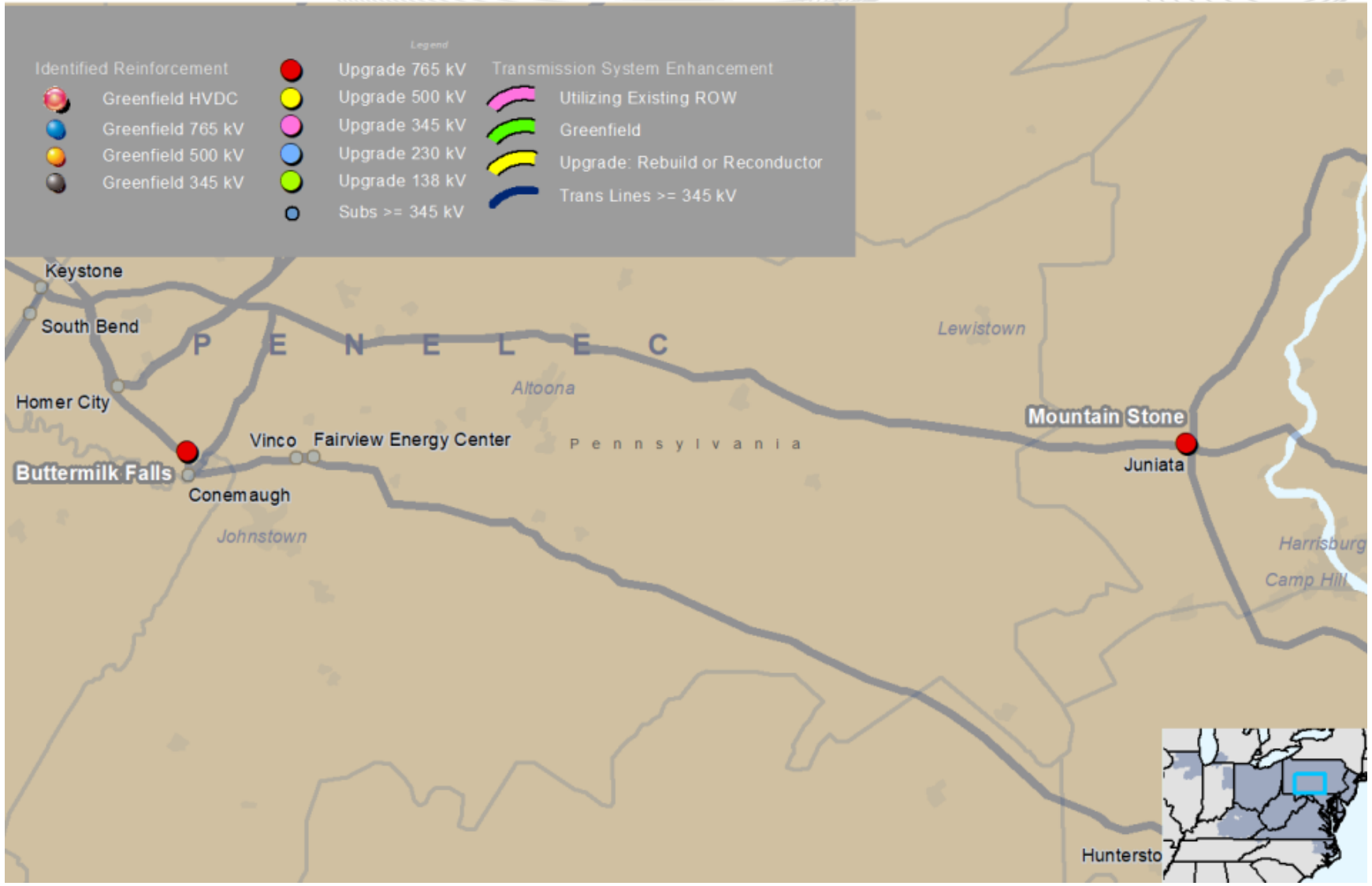
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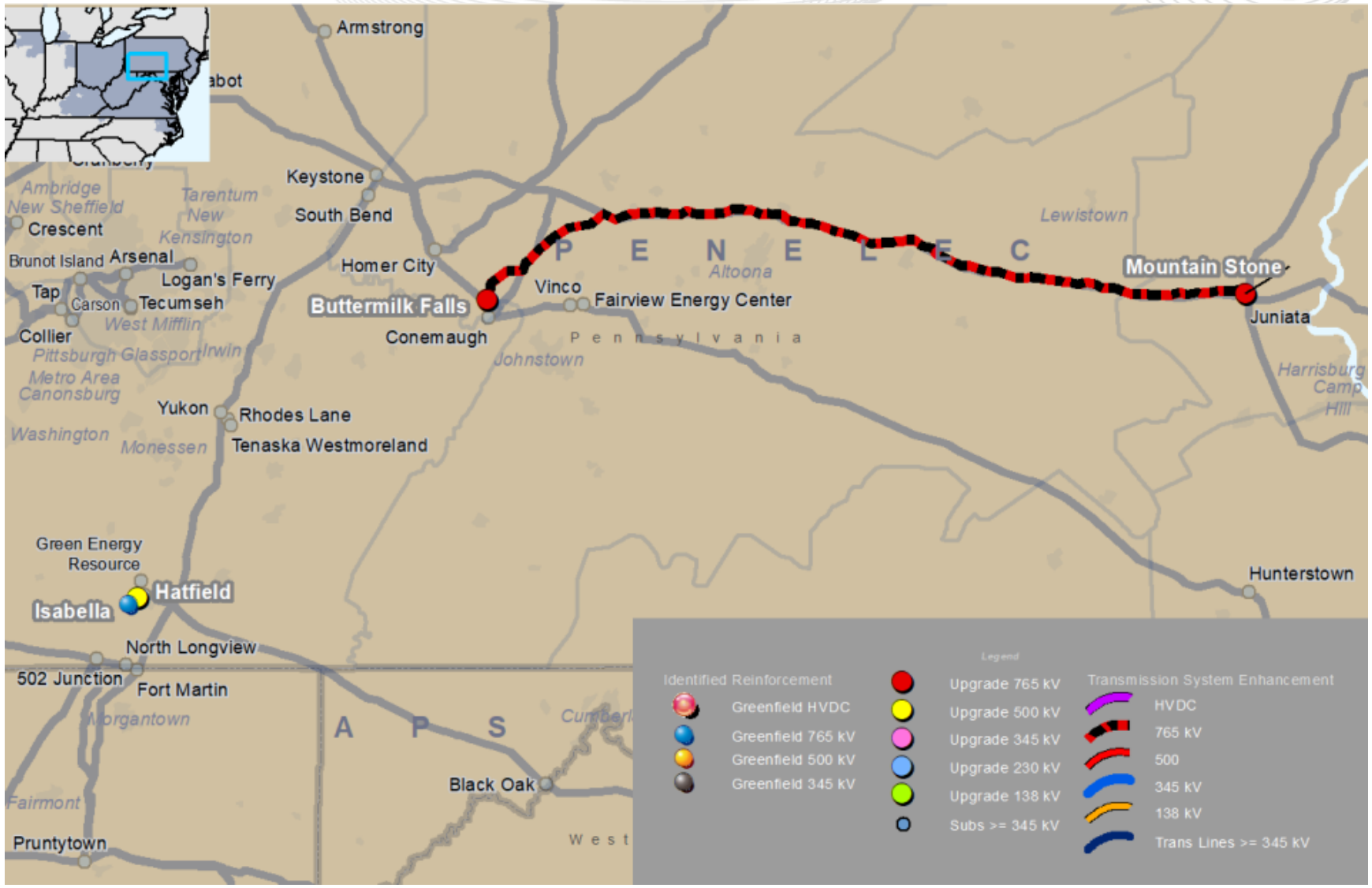
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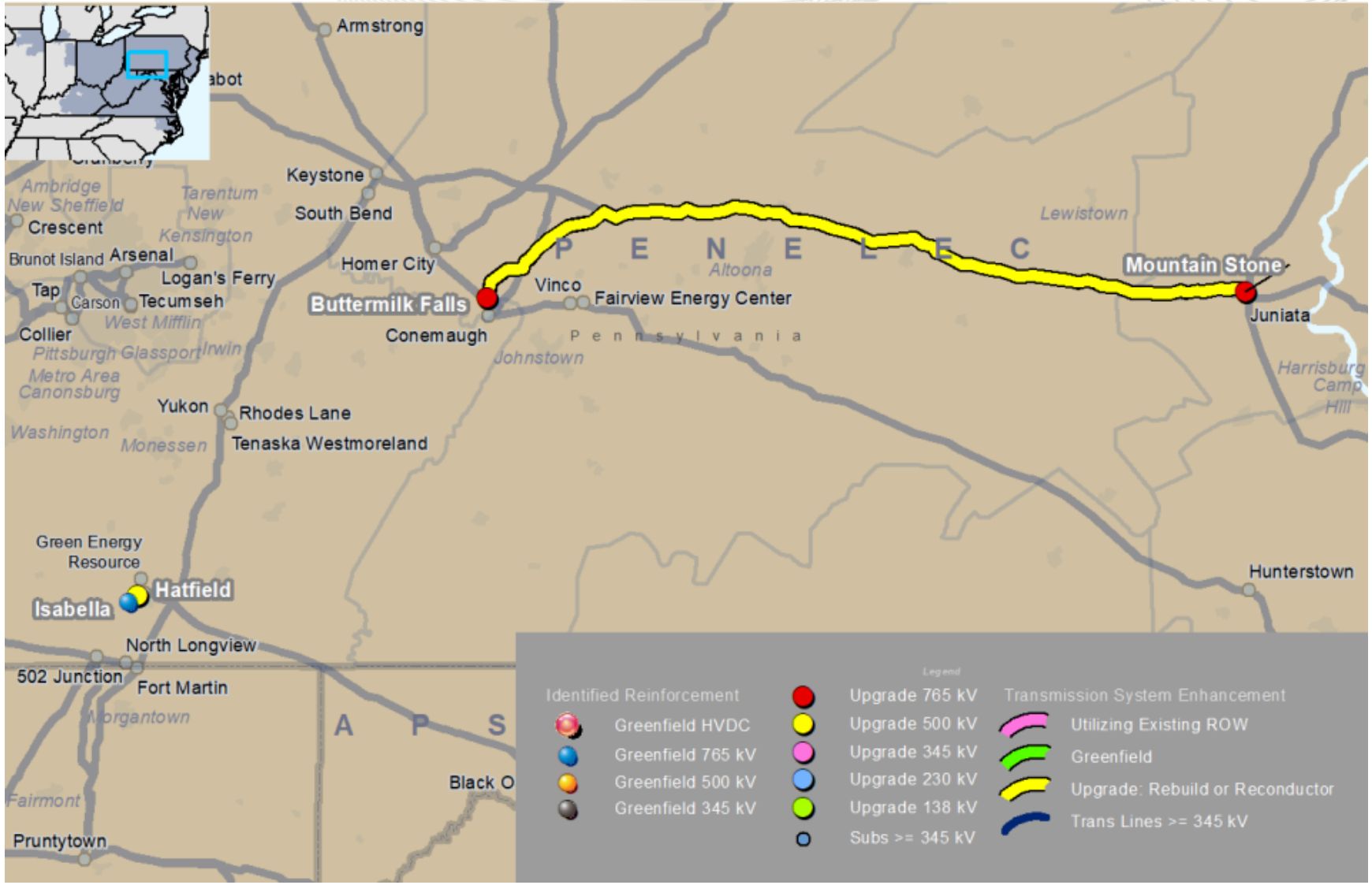
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2026-W1-955



PJM © 2026

2026-W1-955



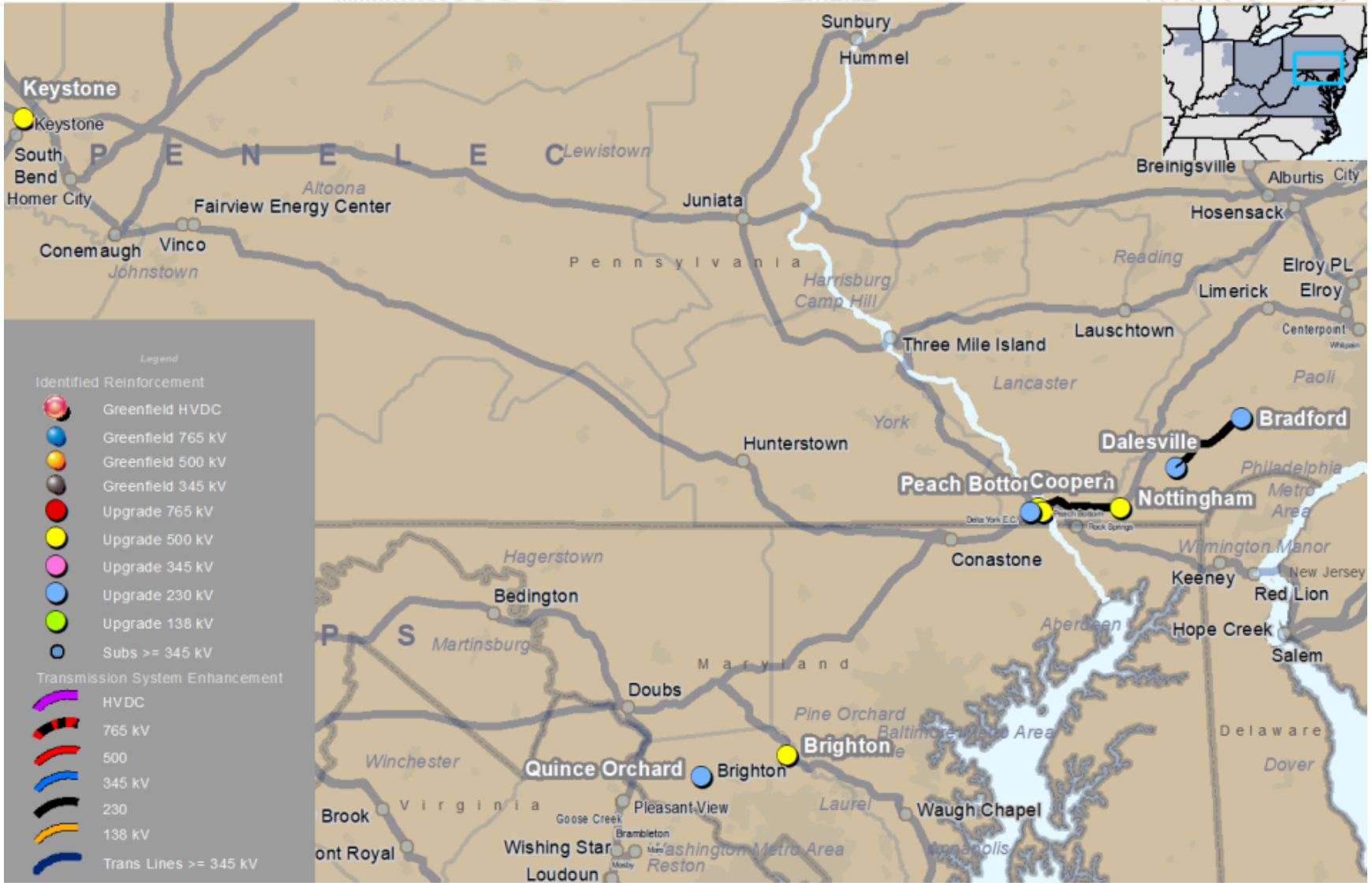
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PECO-Exelon Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

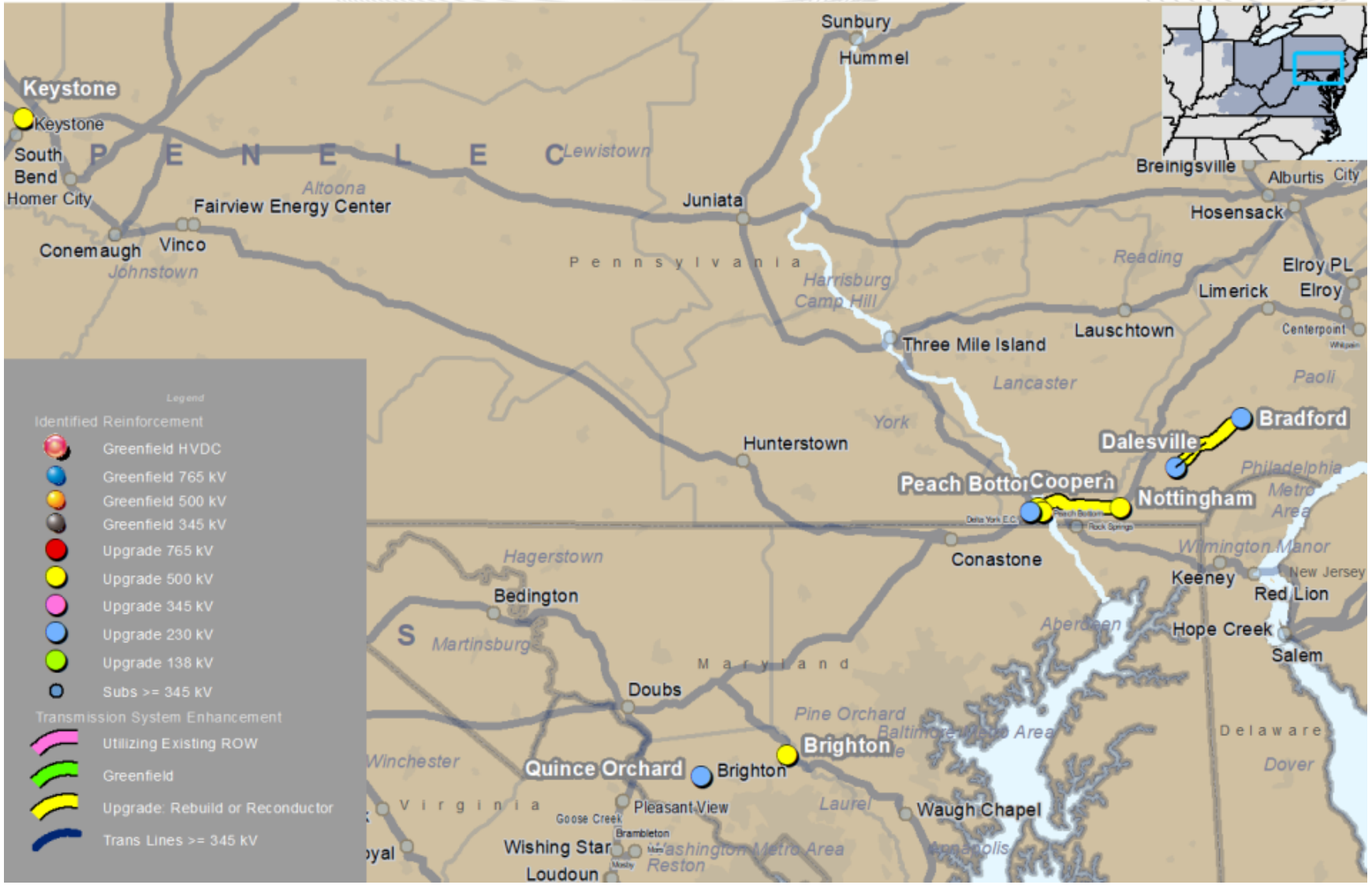
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2026-W1-181

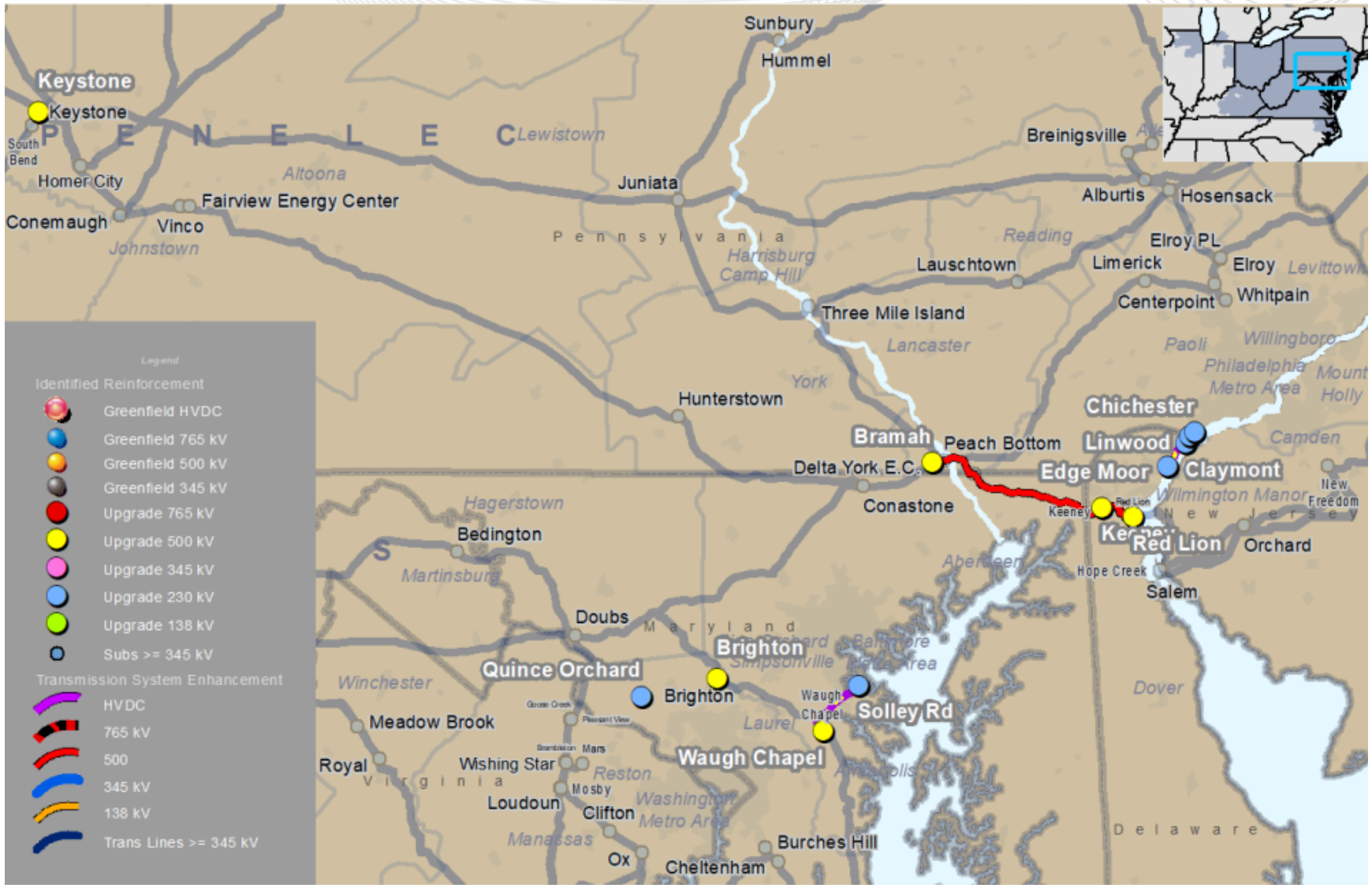


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2026-W1-181

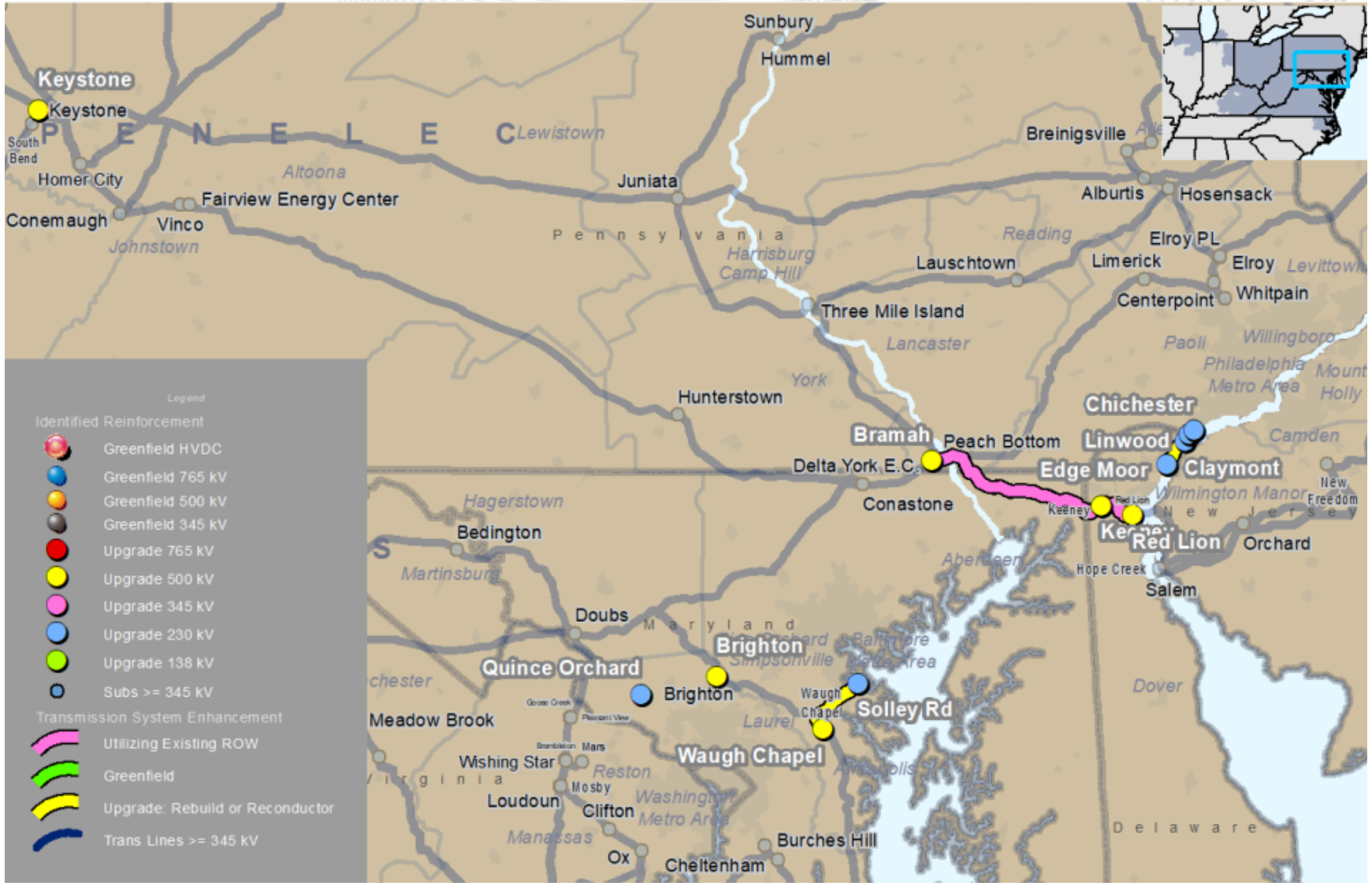


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Keystone
Keystone
Homer City
Conemaugh
Vinco
Fairview Energy Center
Juniata
Sunbury
Hummel
Breinigsville
Alburtis
Hosensack
Elroy PL
Limerick
Elroy
Whitpain
Centerpoint
Lauschtown
Three Mile Island
Harrisburg
Camp Hill
Lancaster
York
Hunterstown
Bramah
Peach Bottom
Delta York E.C.
Conastone
Chichester
Linwood
Edge Moor
Claymont
Red Lion
Orchard
Salem
Hope Creek
Bedington
Martinsburg
Hagerstown
Doubs
Brighton
Quince Orchard
Brighton
Solley Rd
Waugh Chapel
Meadow Brook
Royal
Wishing Star
Loudoun
Clifton
Burches Hill
Cheltenham
Ox
Manassas
Reston
Mosby
Mars
Waugh
Chapel
Laurel
Dover
Delaware
Pennsylvania
Maryland
Virginia
New Jersey
Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
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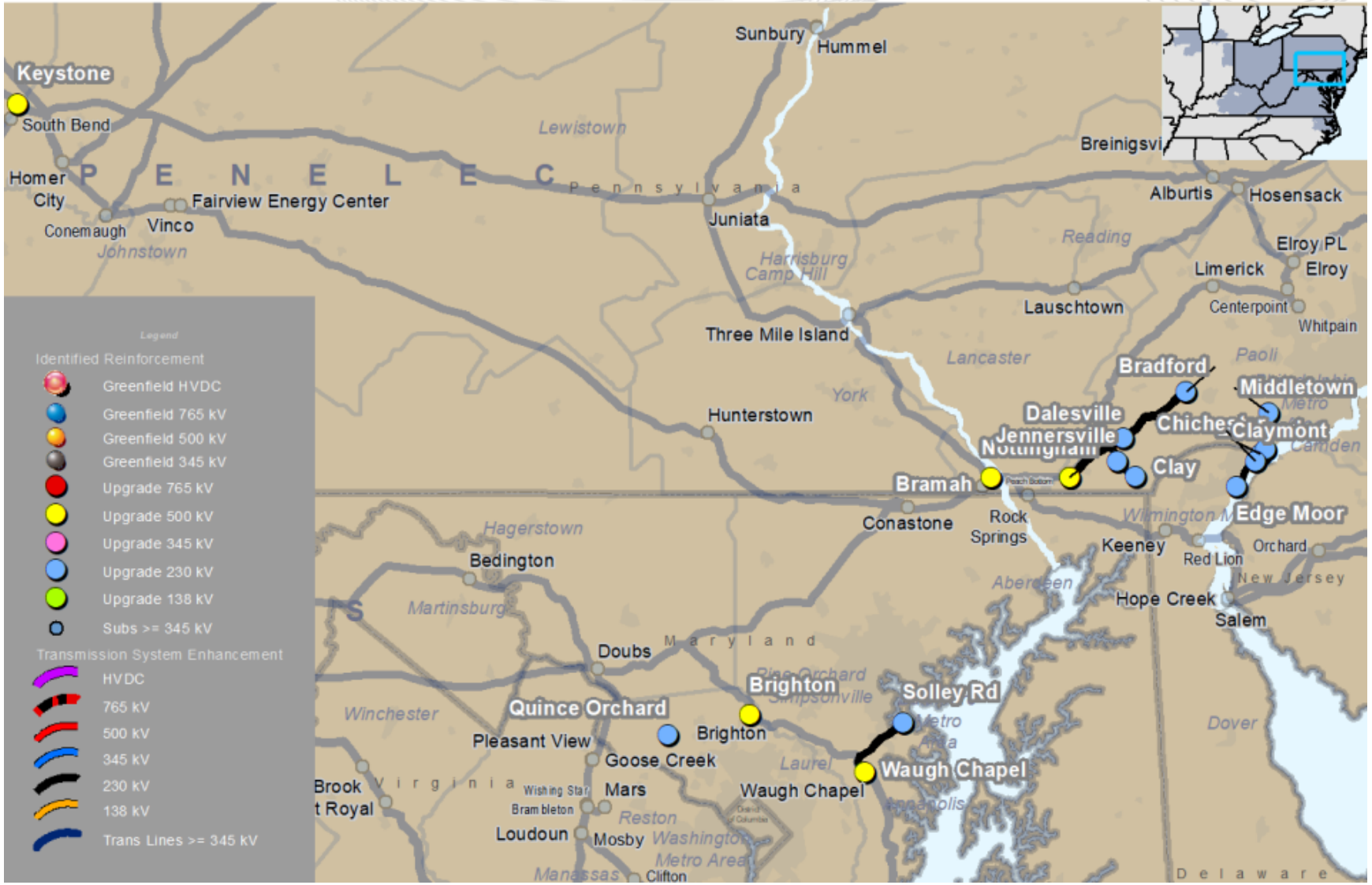
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2026-W1-477



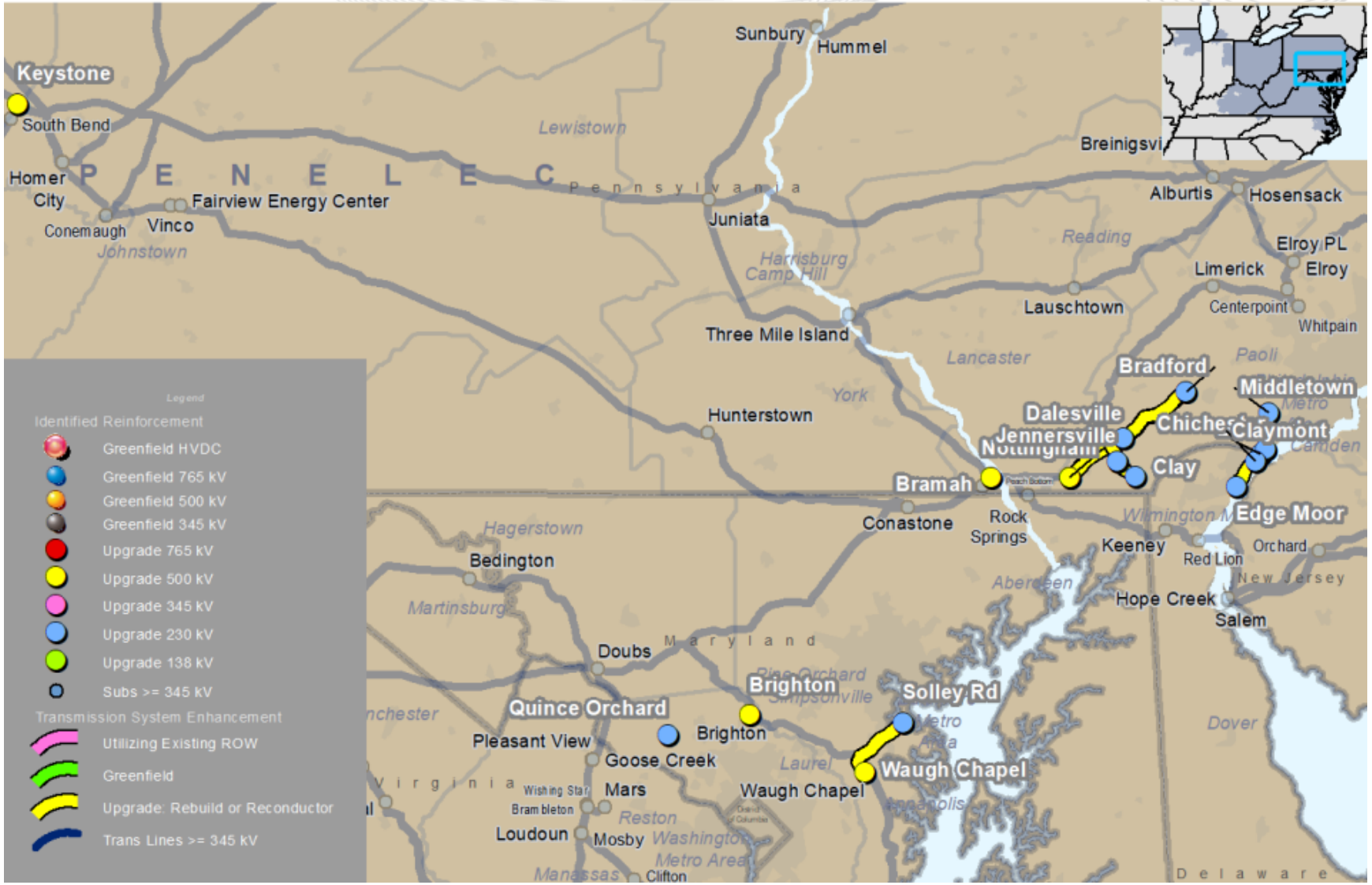
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2026-W1-596



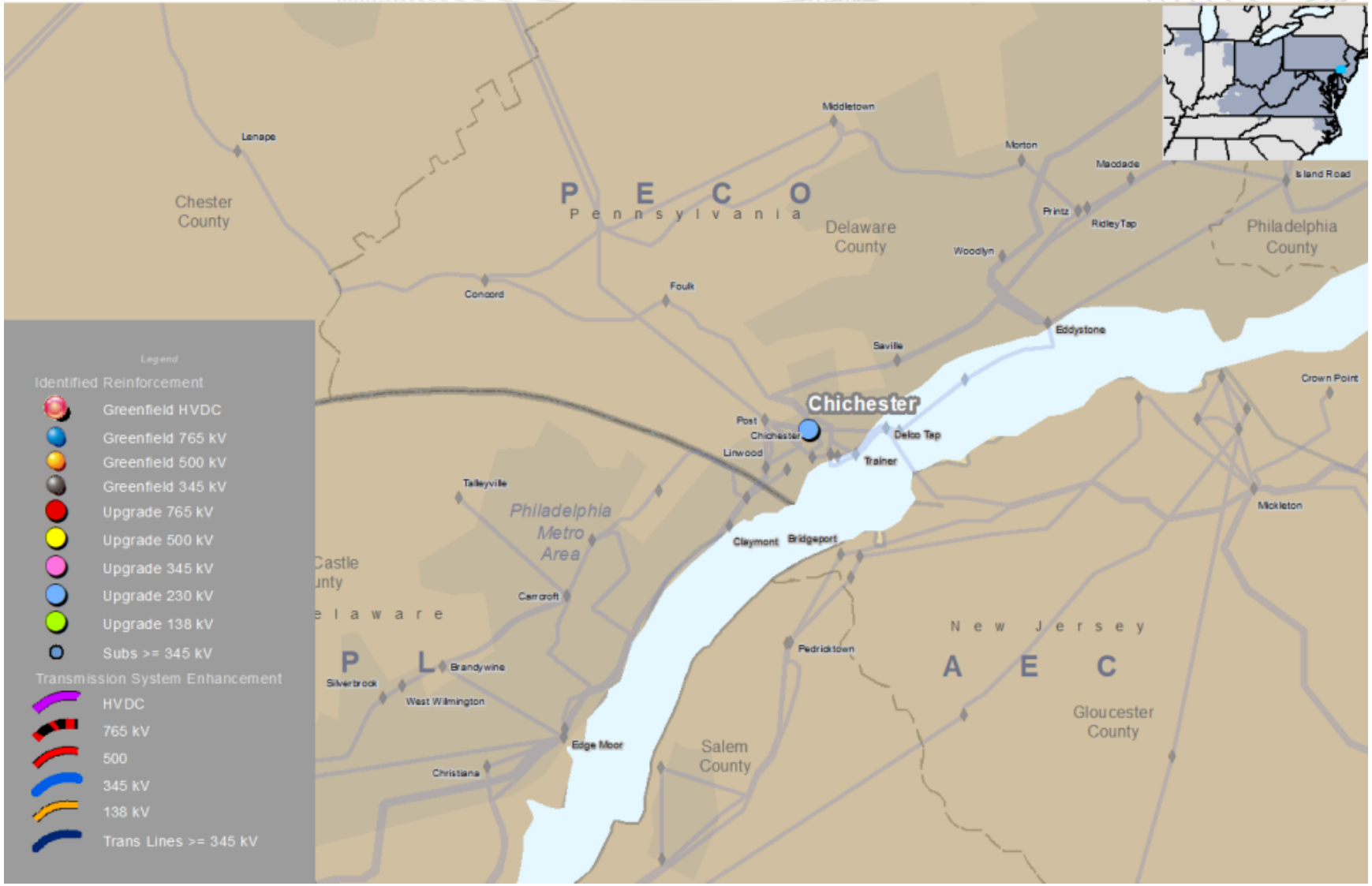
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2026-W1-596



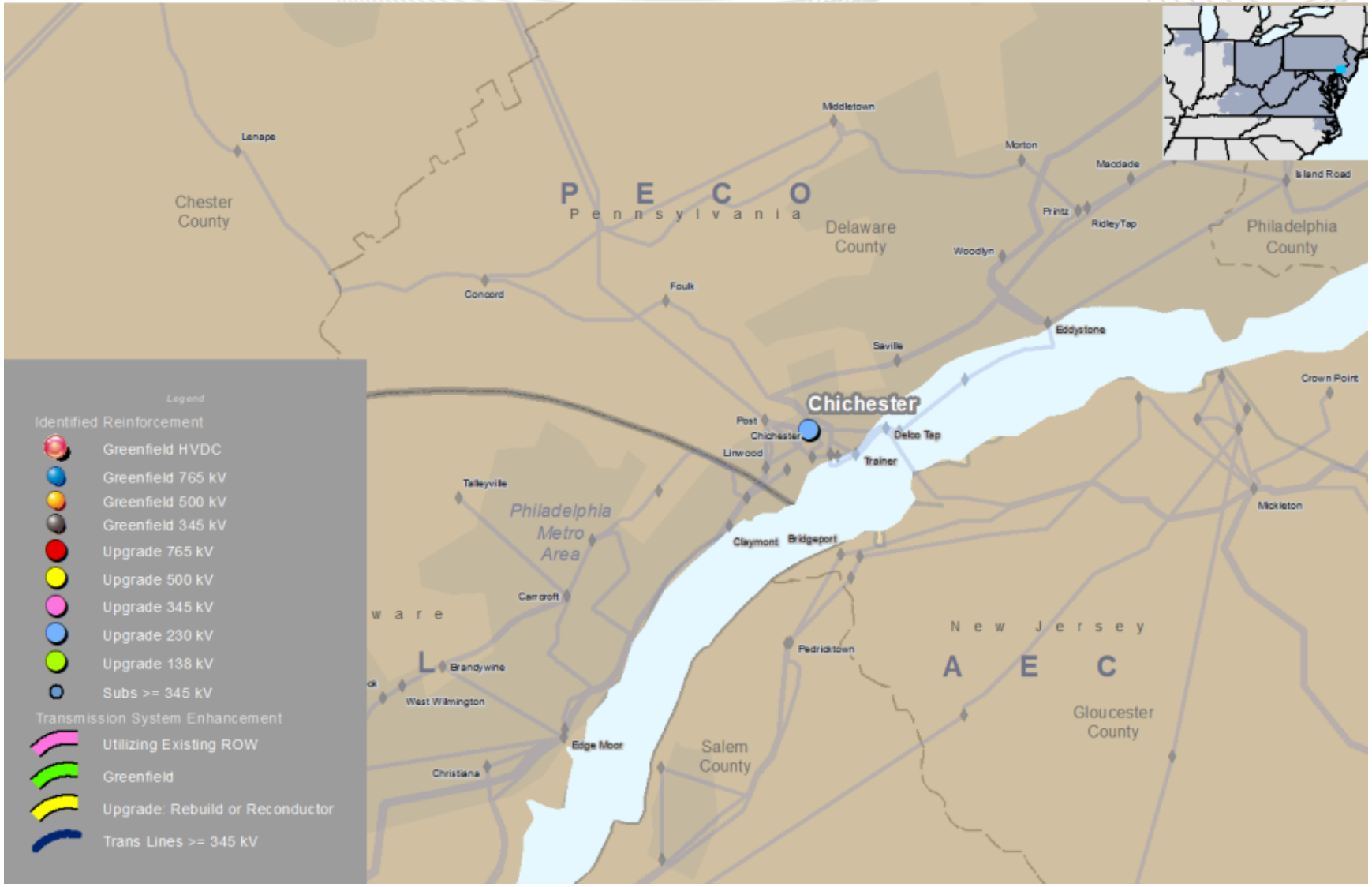
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2026-W1-848



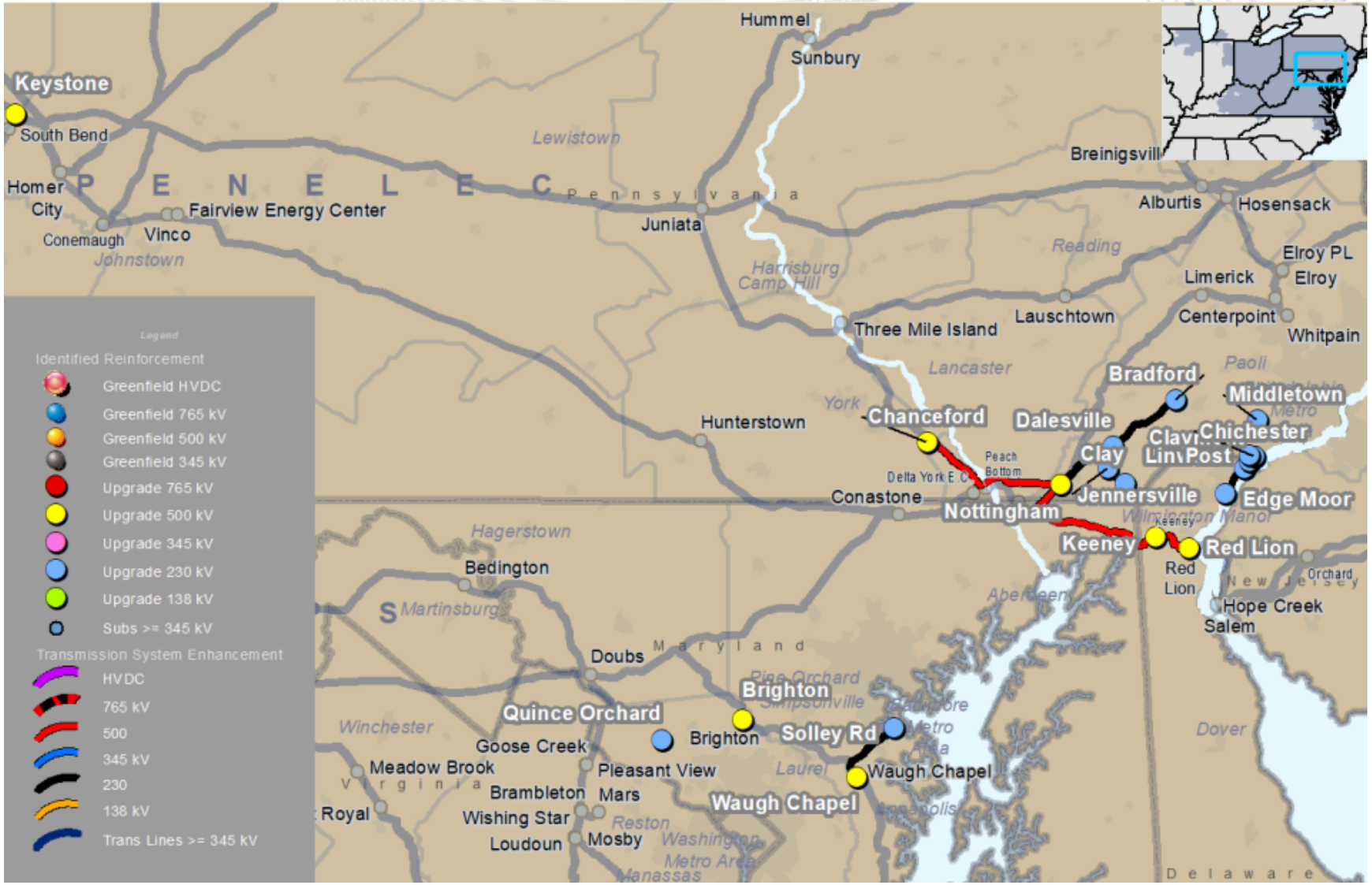
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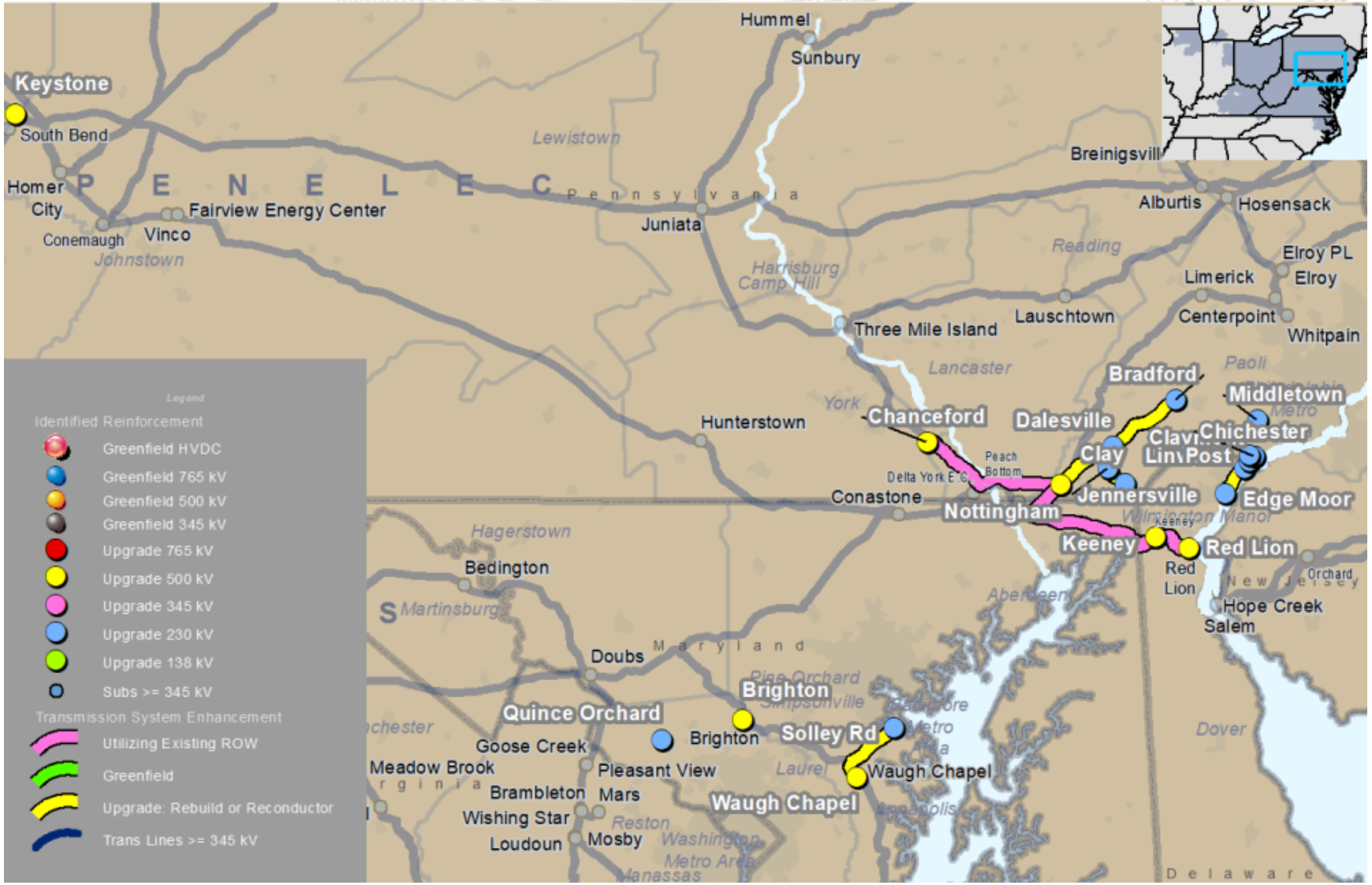
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2026-W1-869



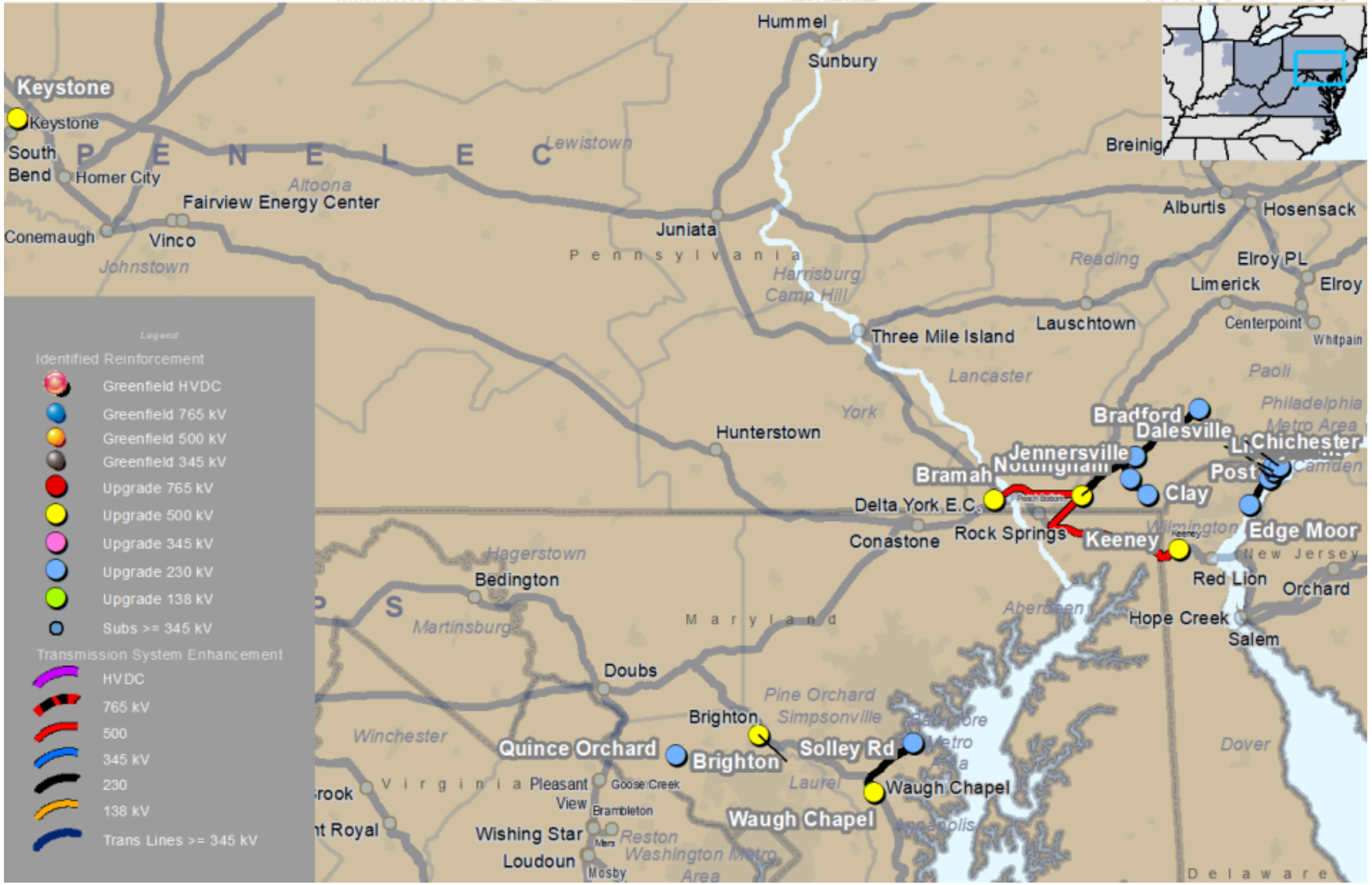
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2026-W1-869



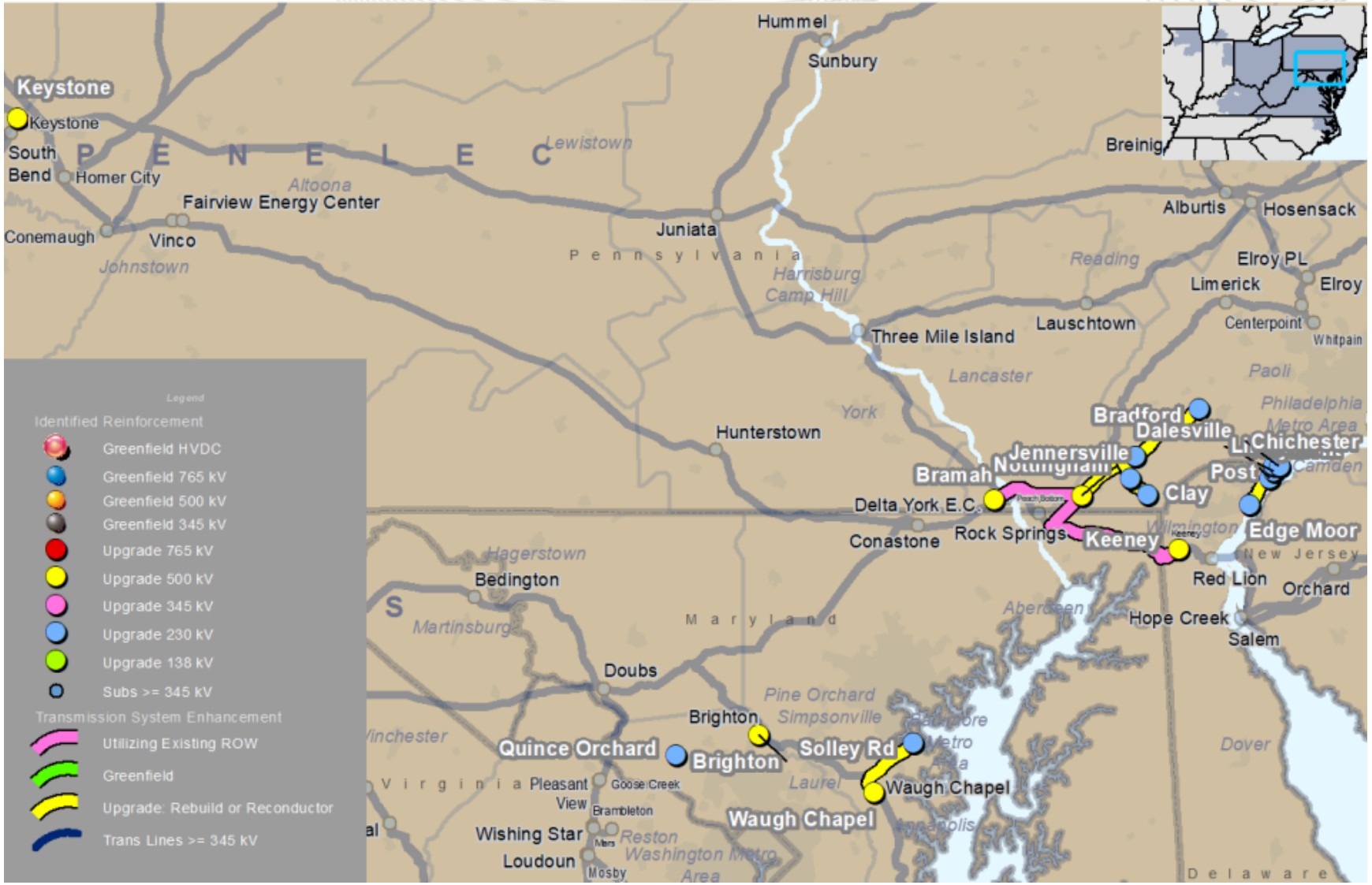
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2026-W1-888



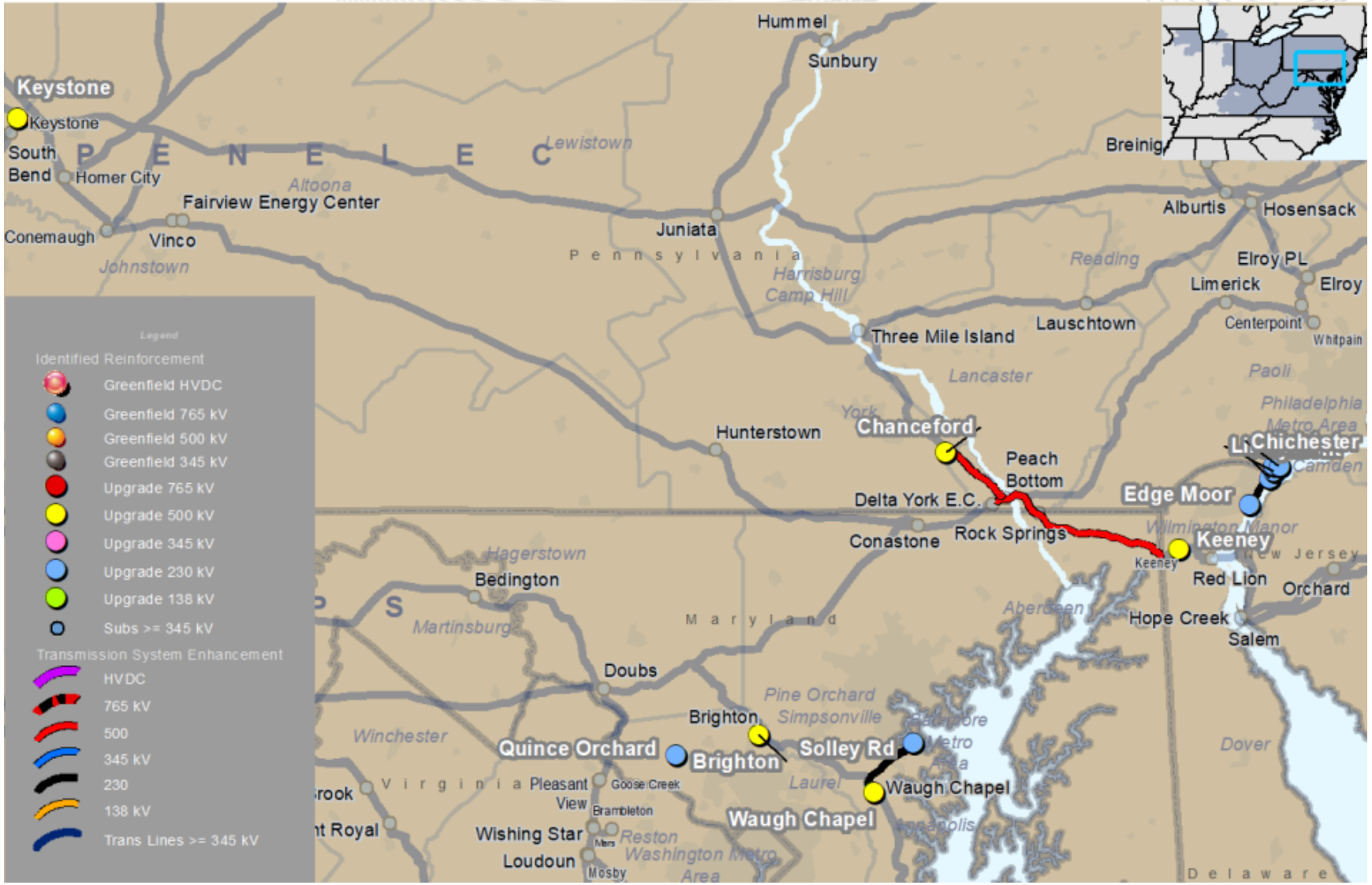
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2026-W1-888



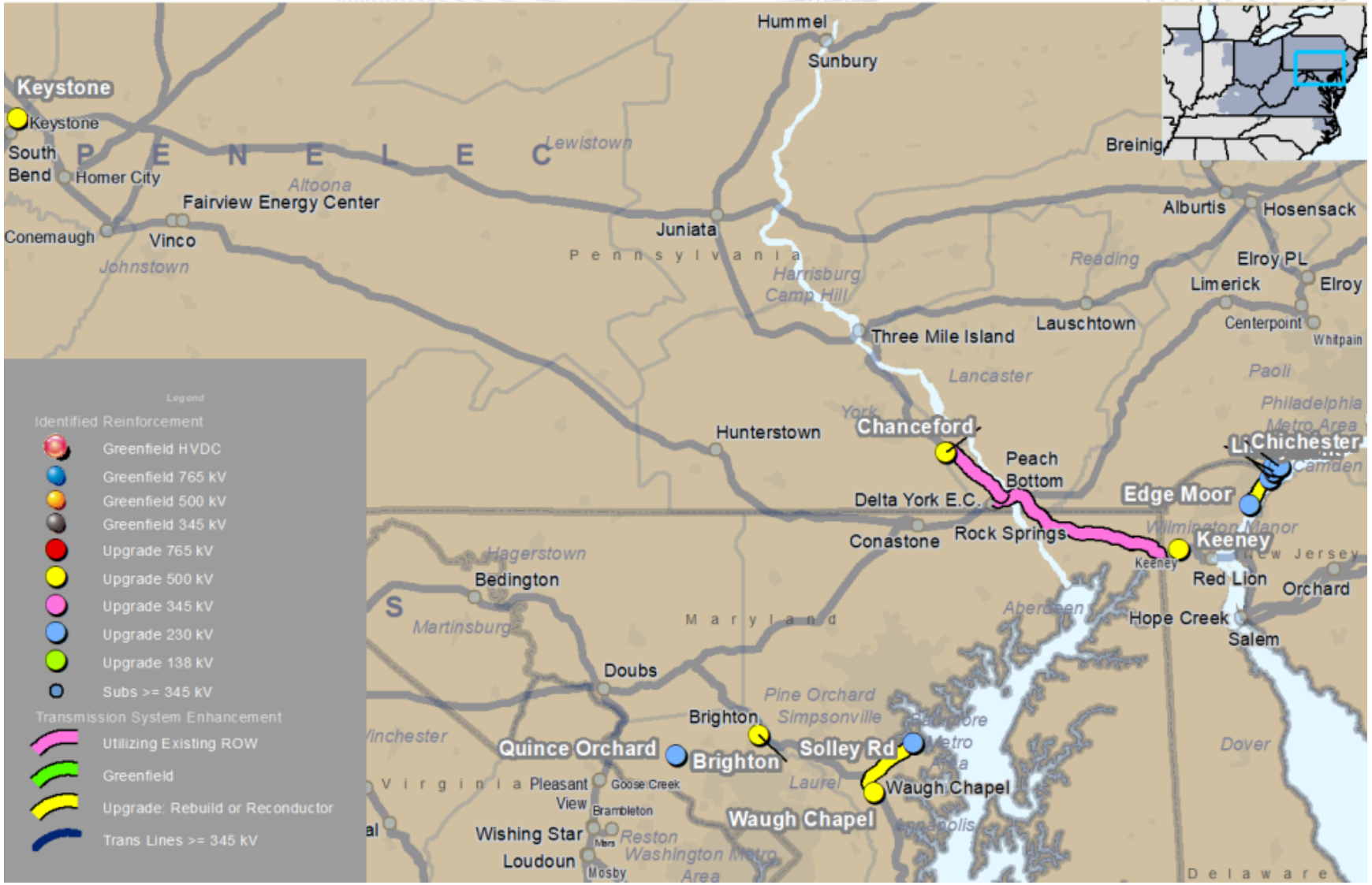
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2026-W1-896



PJM © 2026

2026-W1-896



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PEPCO-Exelon Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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2026-W1-951



PJM © 2026

2026-W1-951



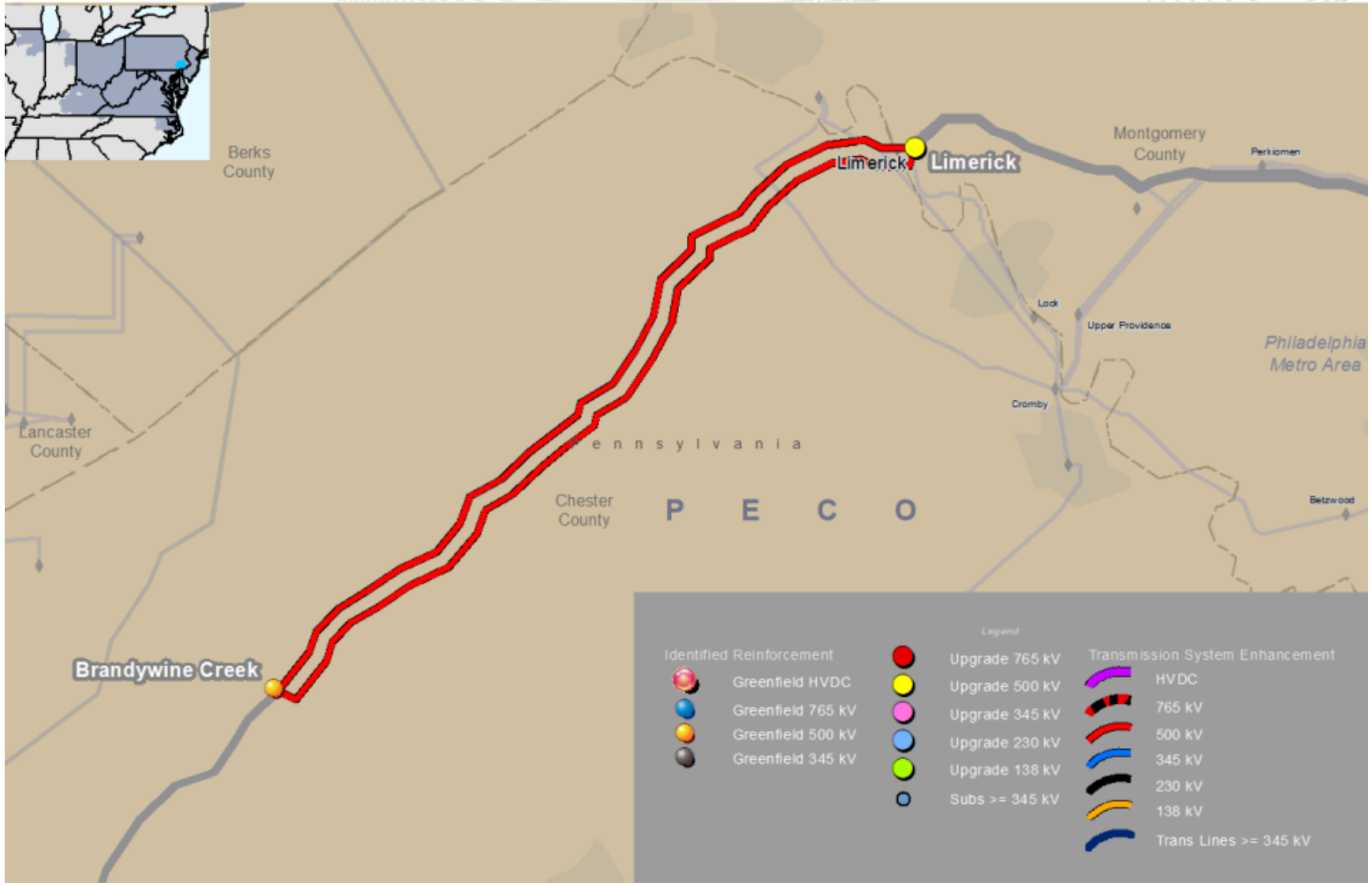
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PPL Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

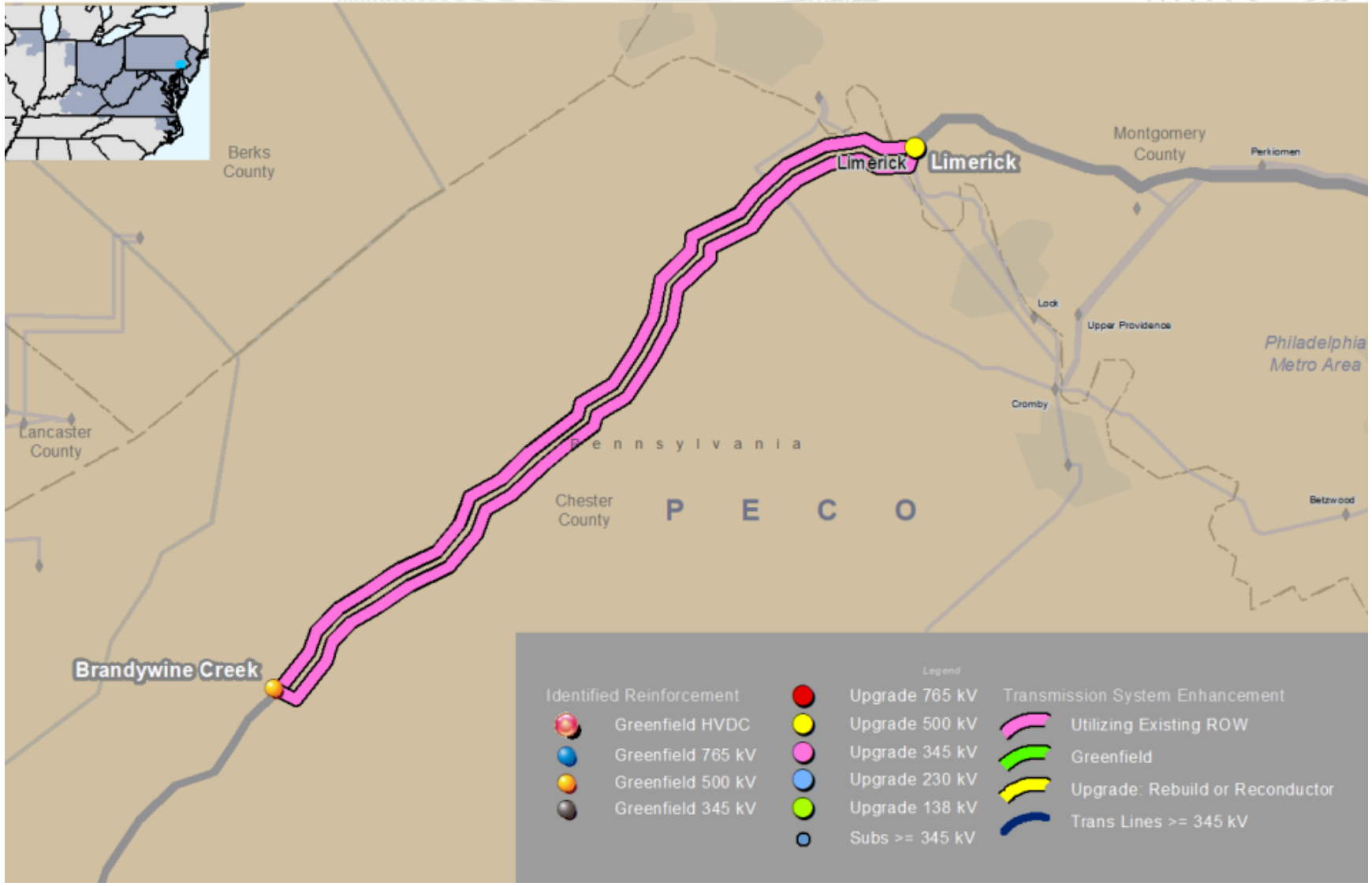
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2026-W1-259



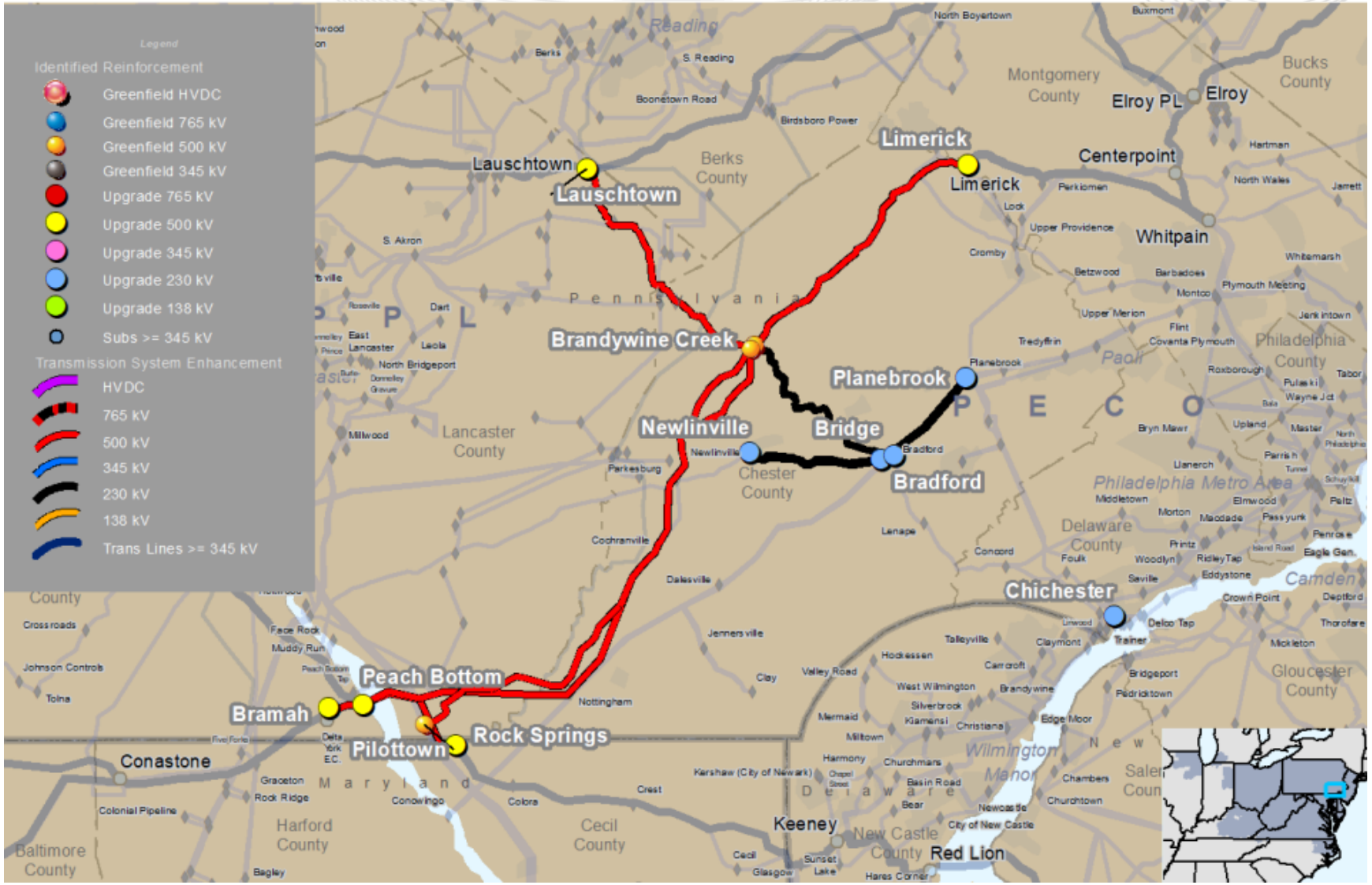
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2026-W1-259



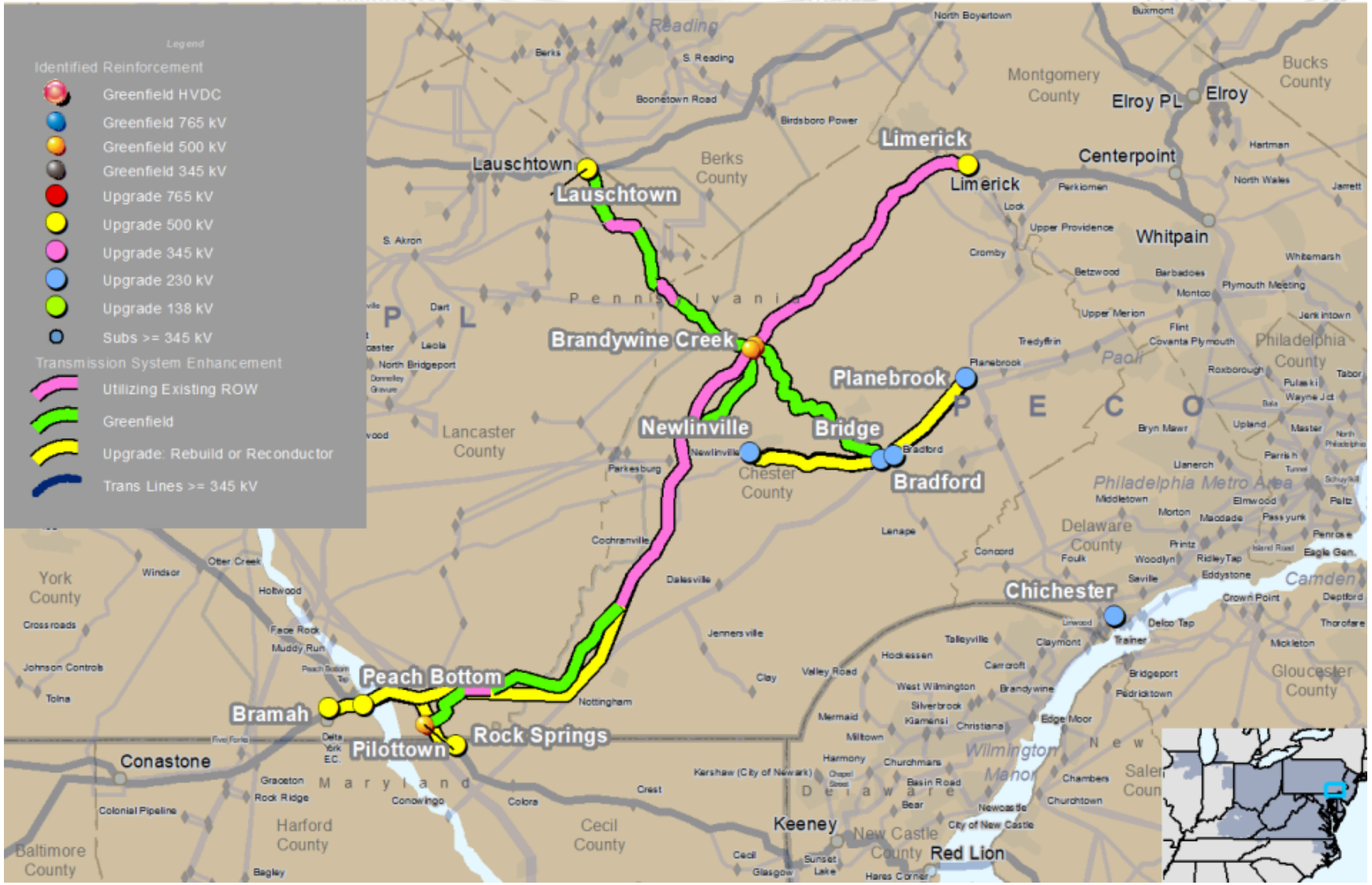
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2026-W1-283



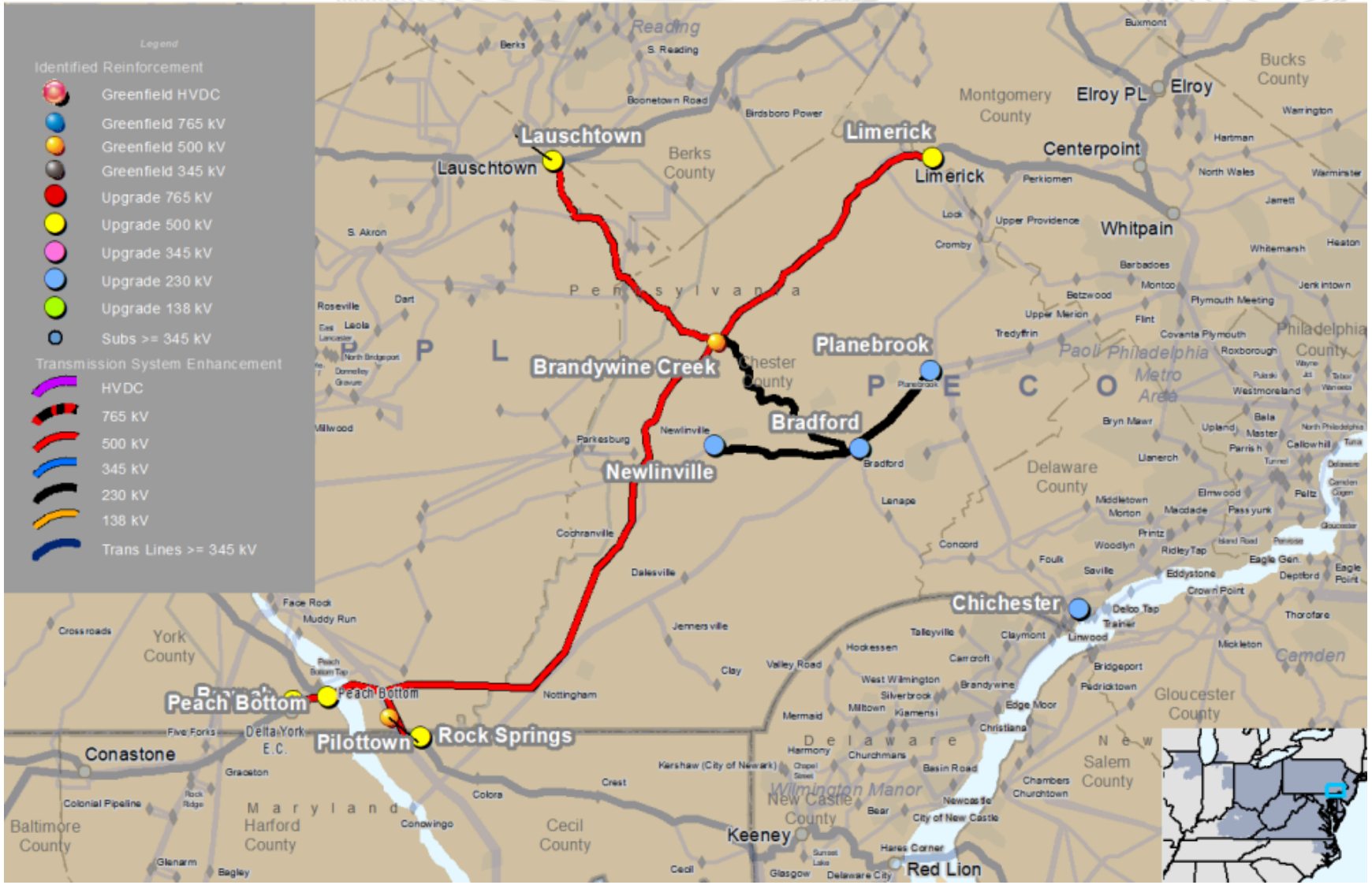
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2026-W1-283



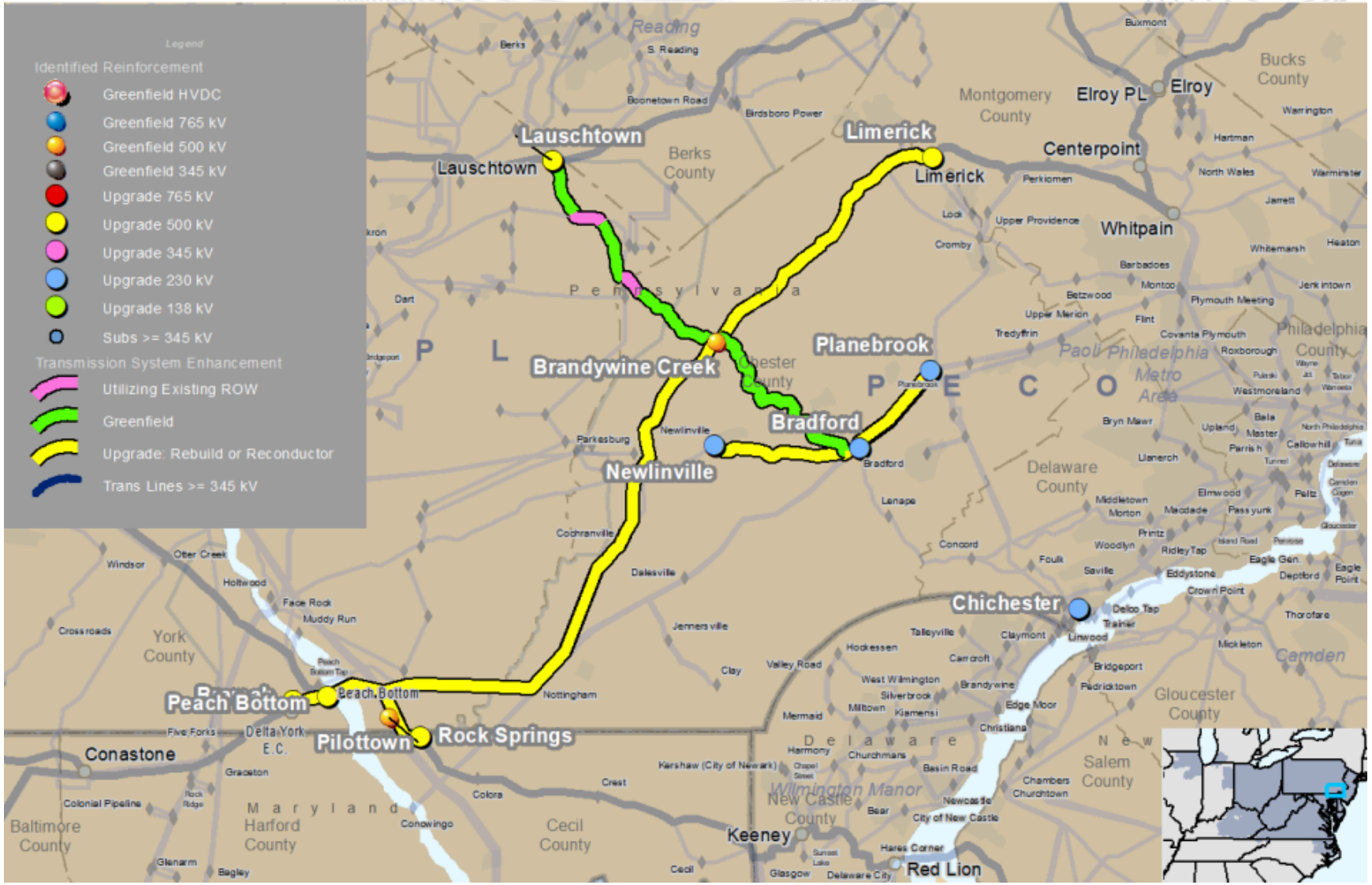
PJM © 2026

2026-W1-391



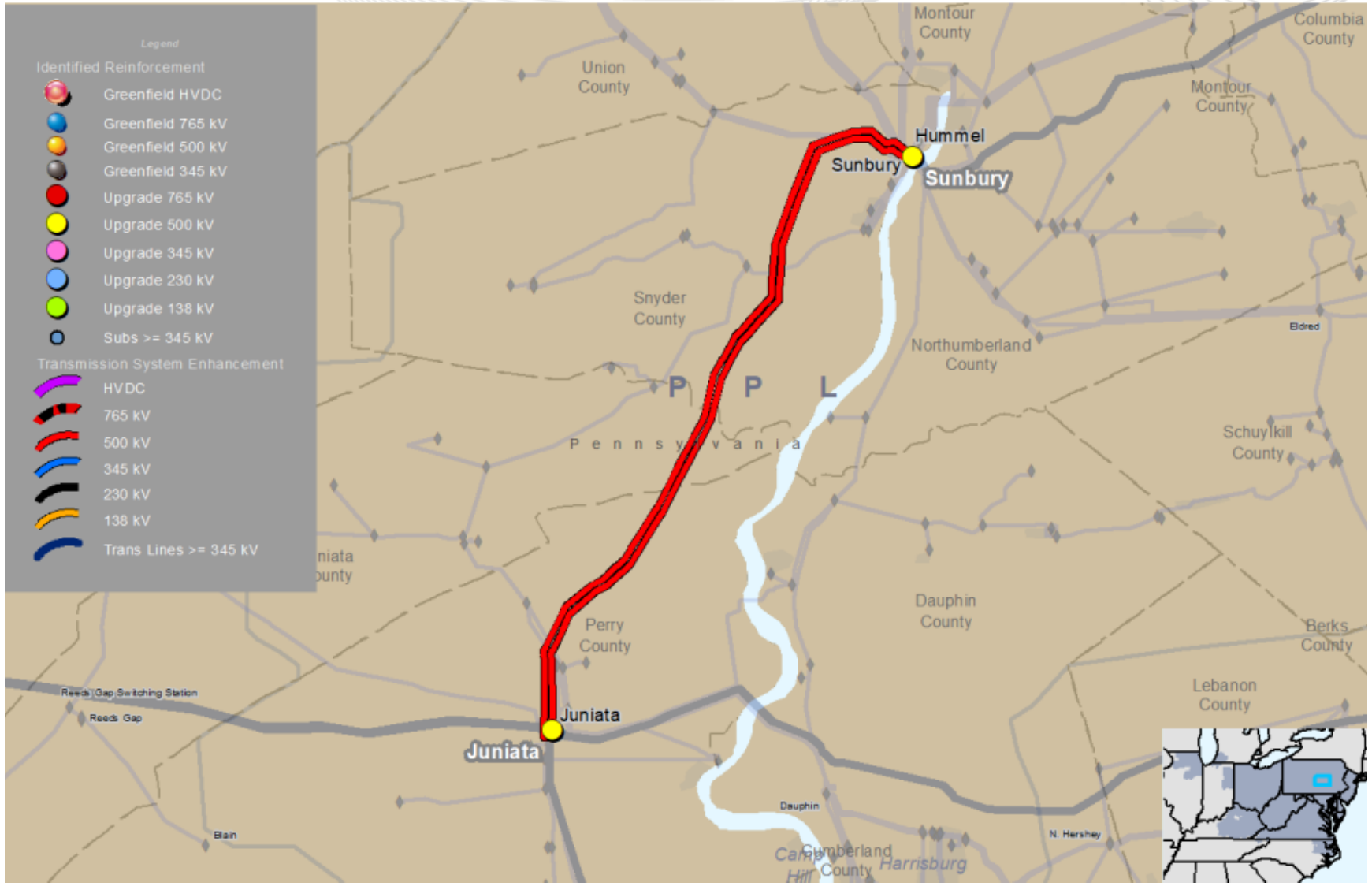
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2026-W1-391



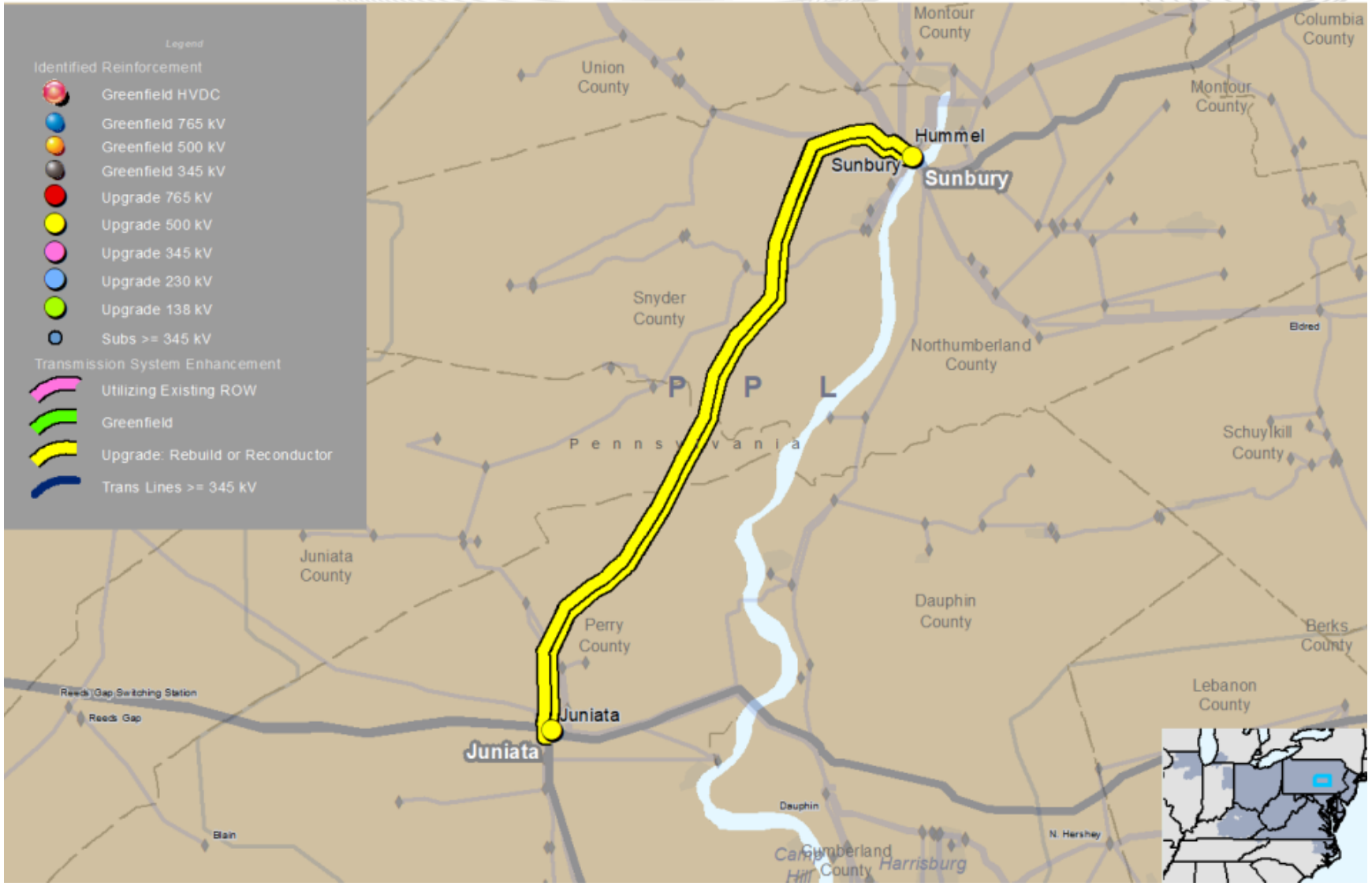
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2026-W1-435



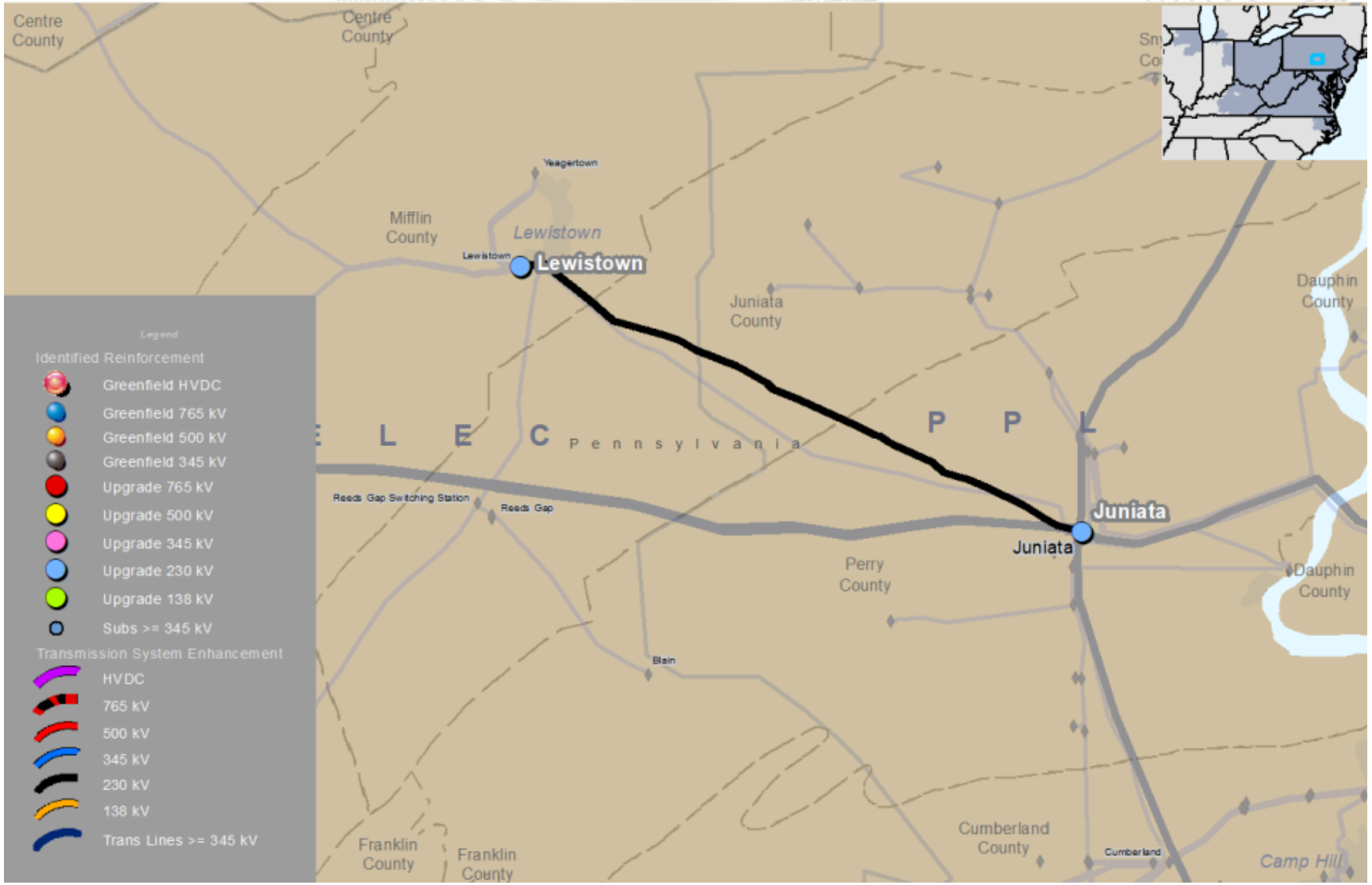
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2026-W1-435



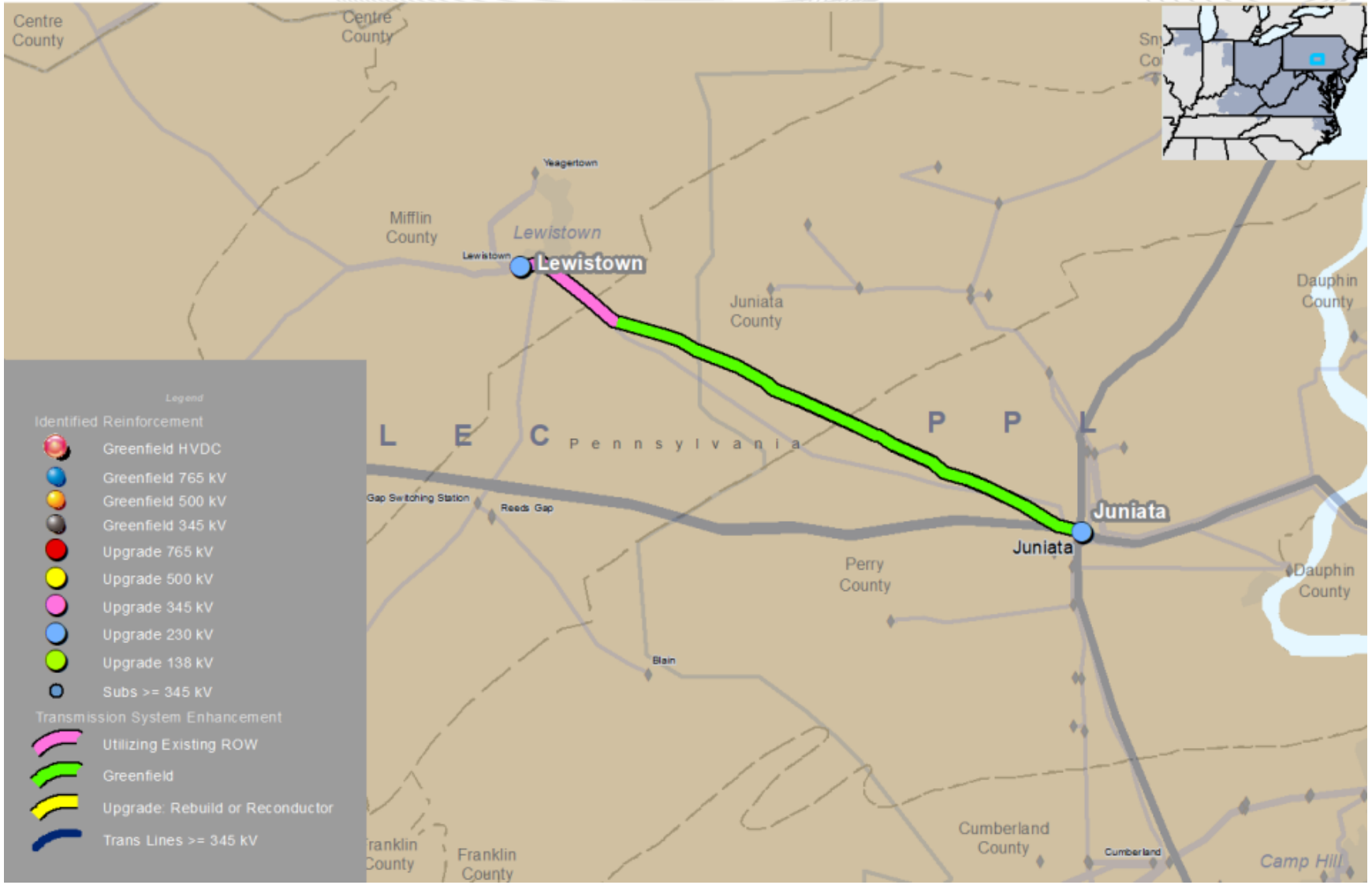
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2026-W1-615



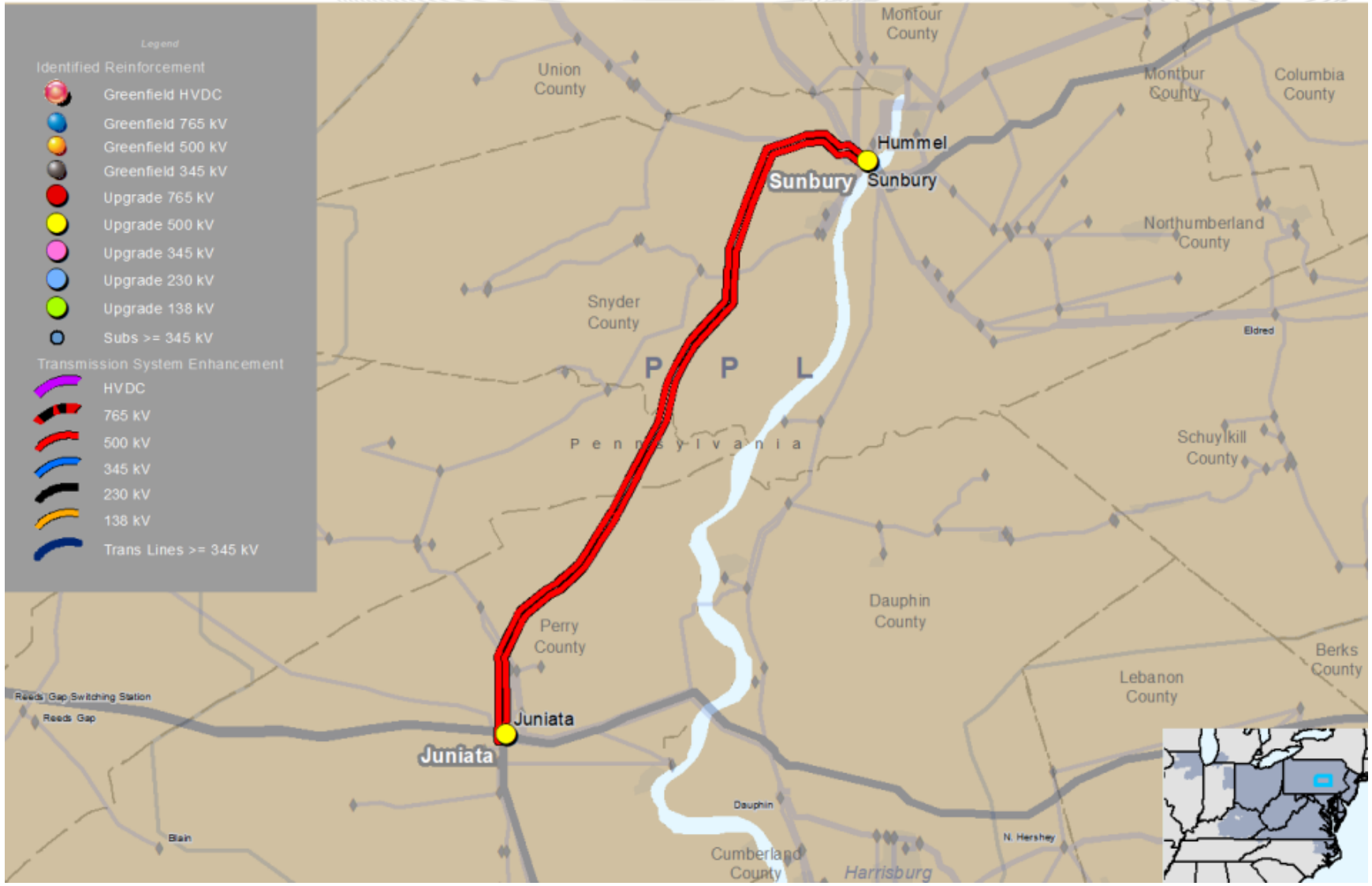
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2026-W1-615



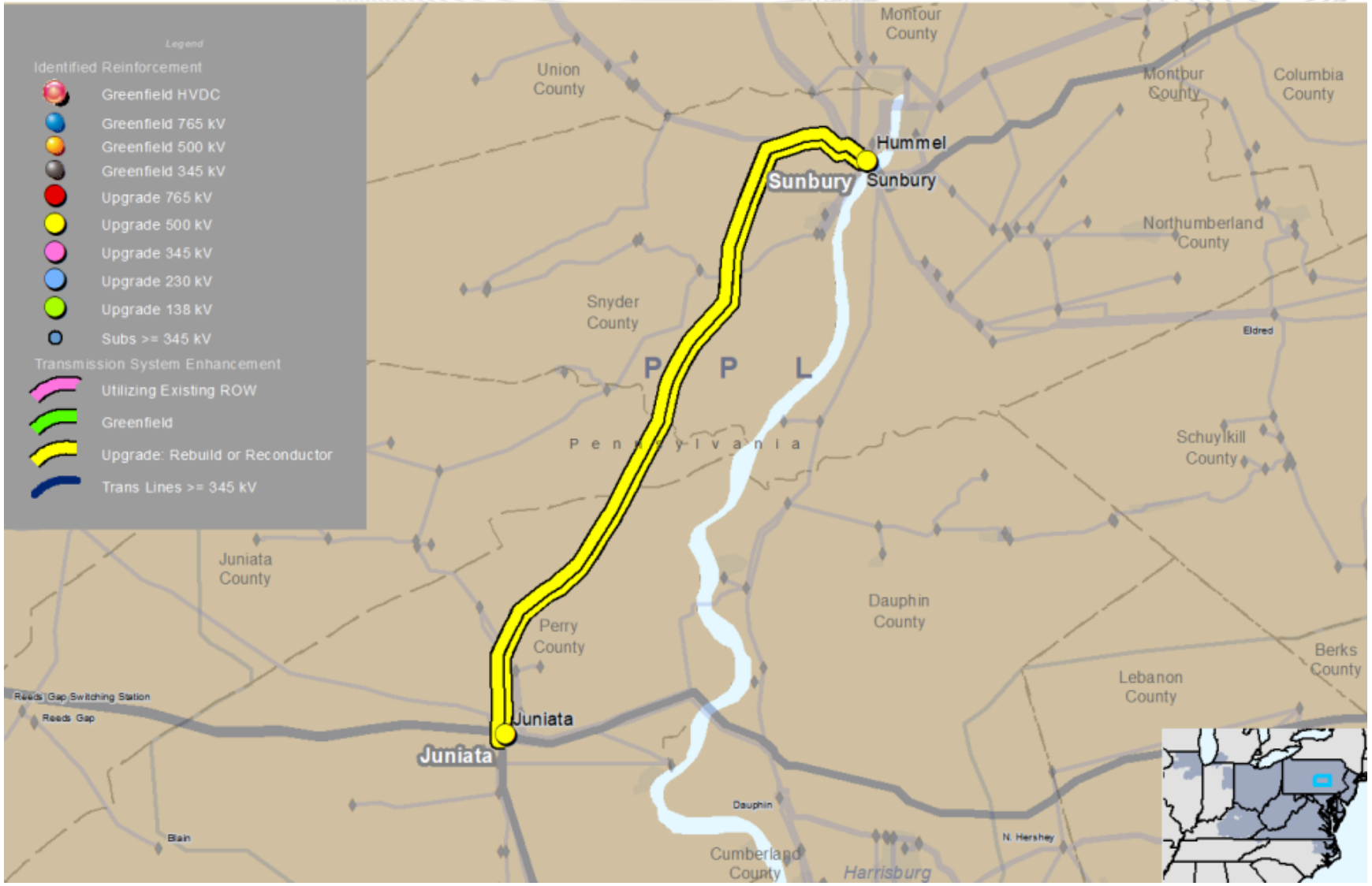
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2026-W1-674



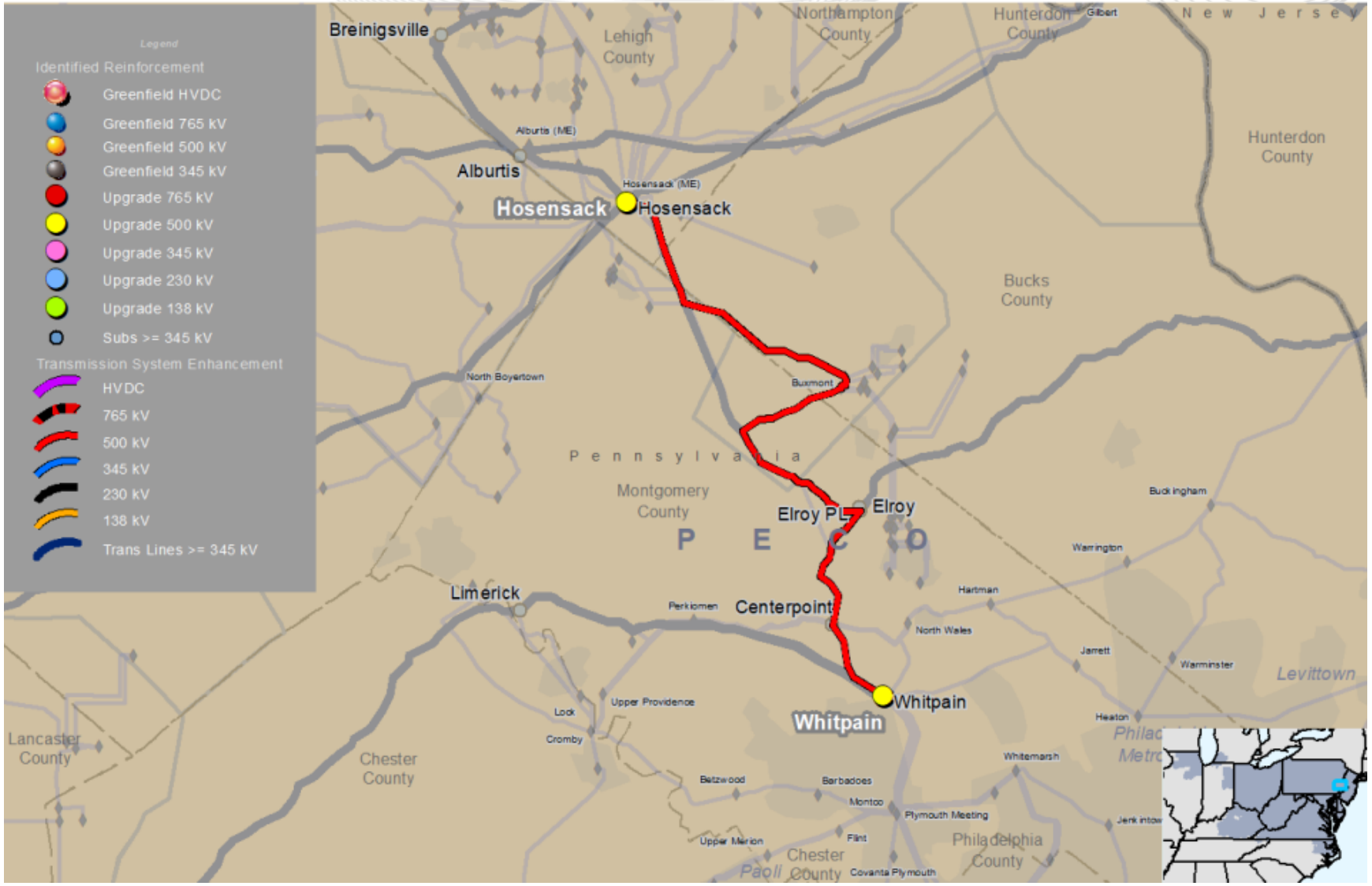
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2026-W1-674



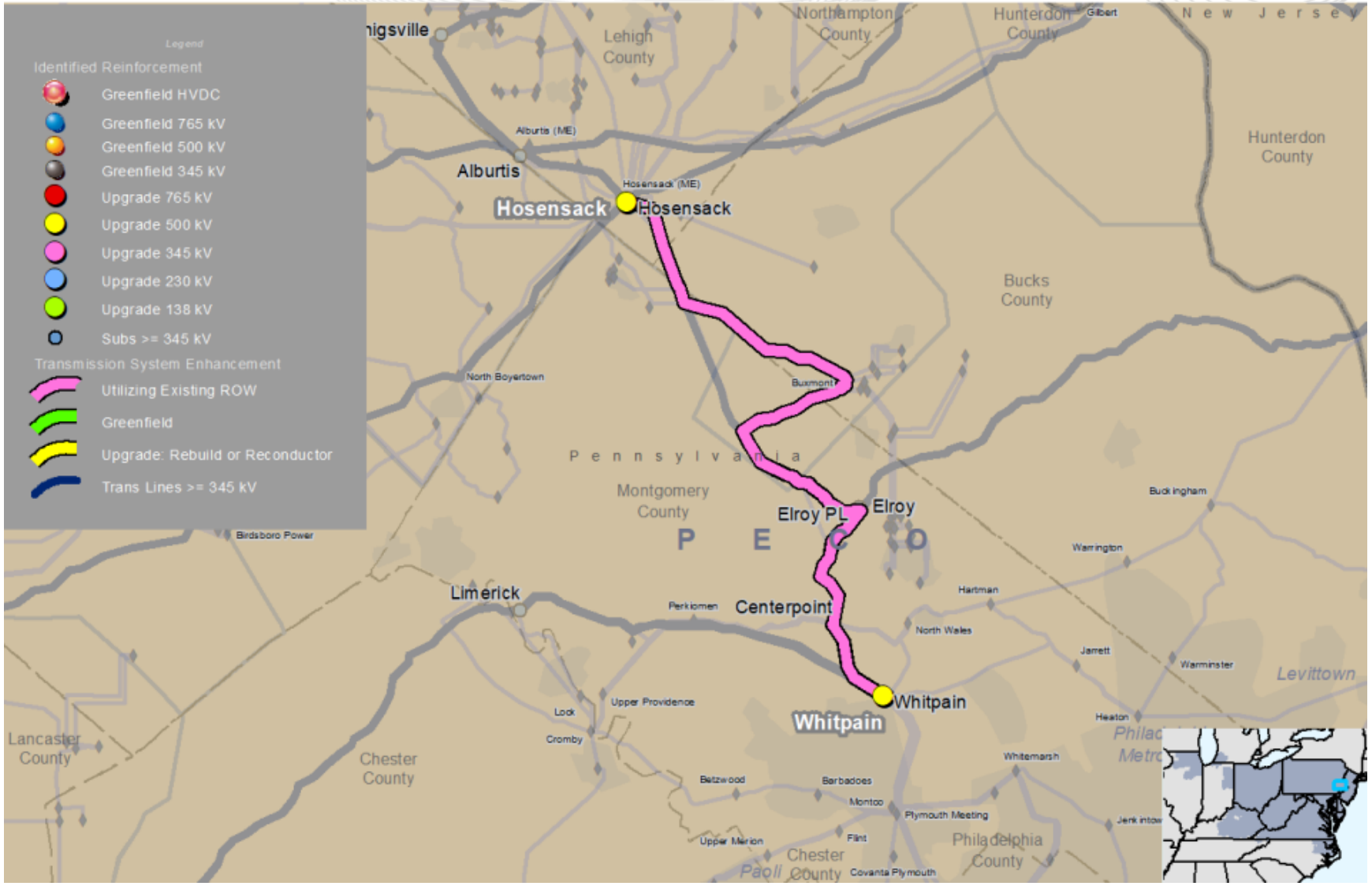
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2026-W1-811



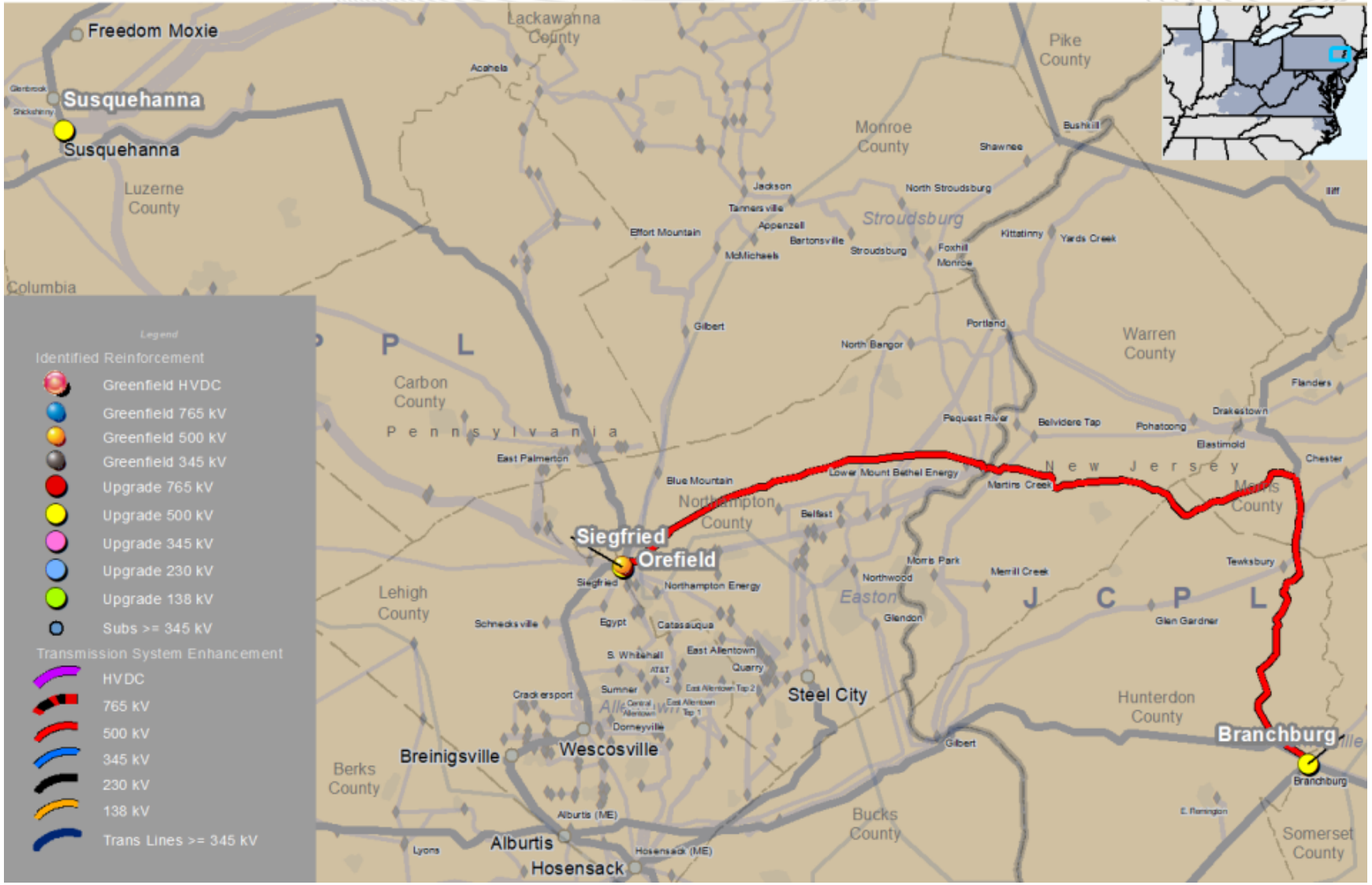
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2026-W1-811



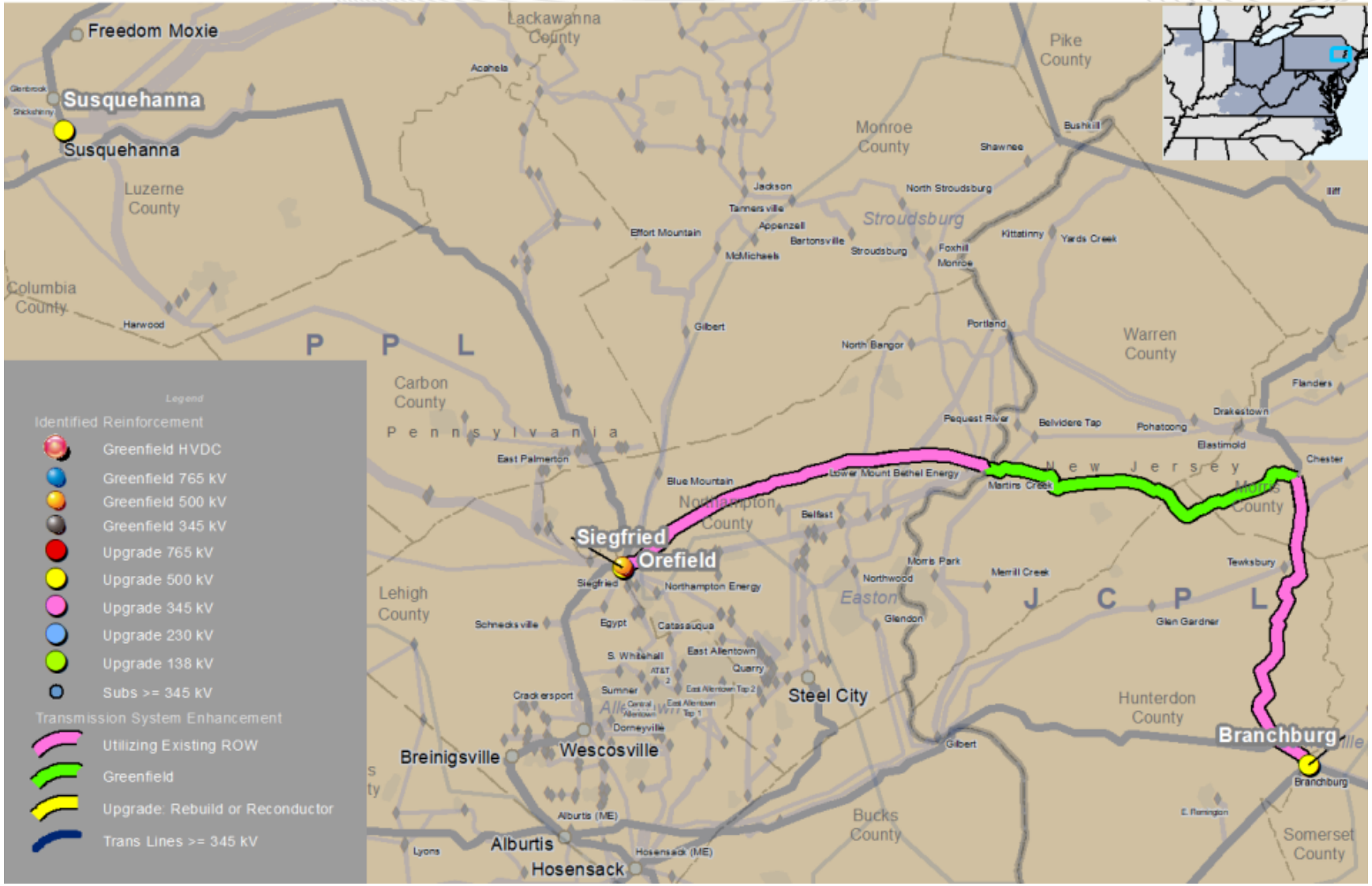
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2026-W1-900



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2026-W1-900

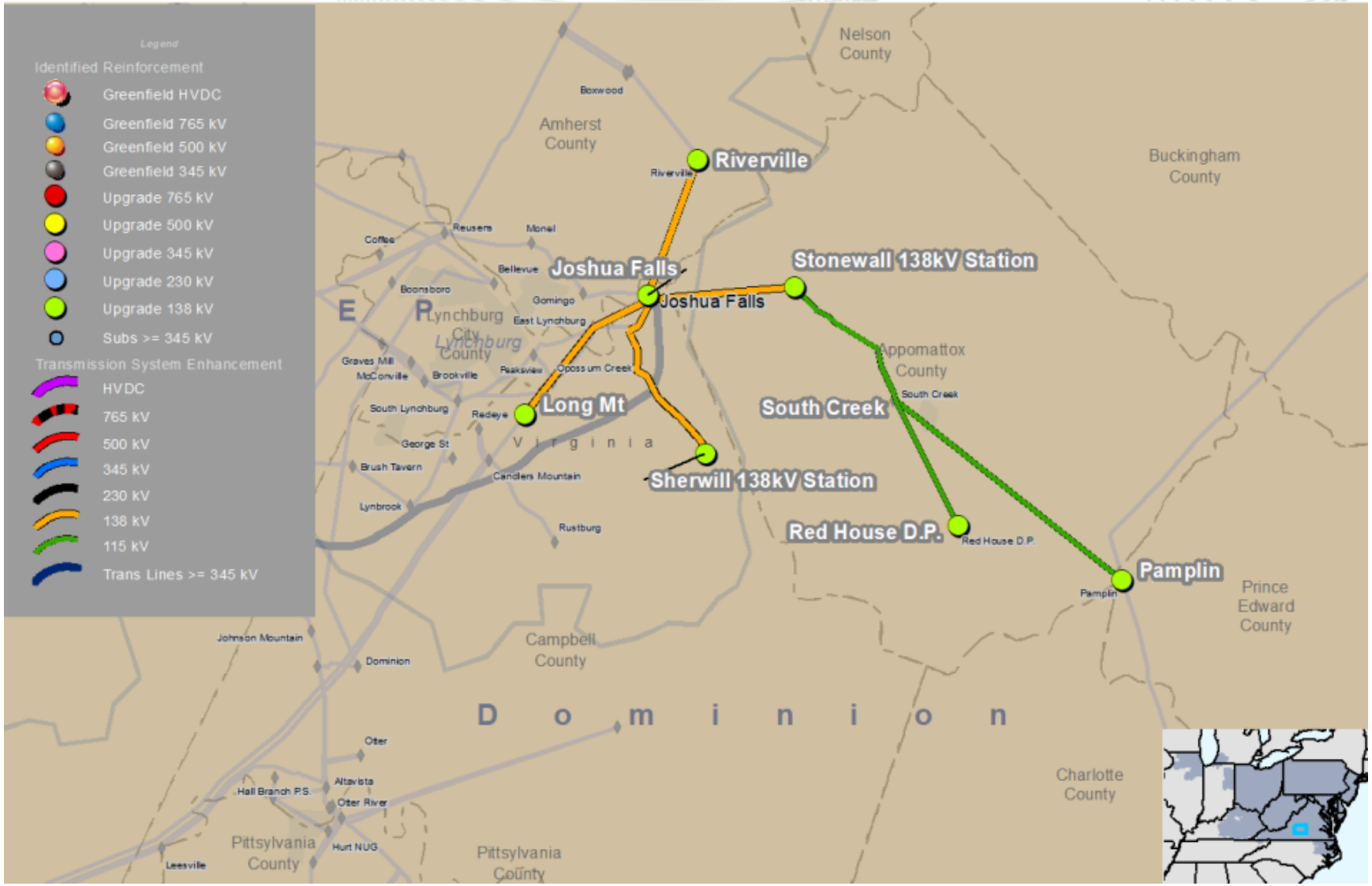


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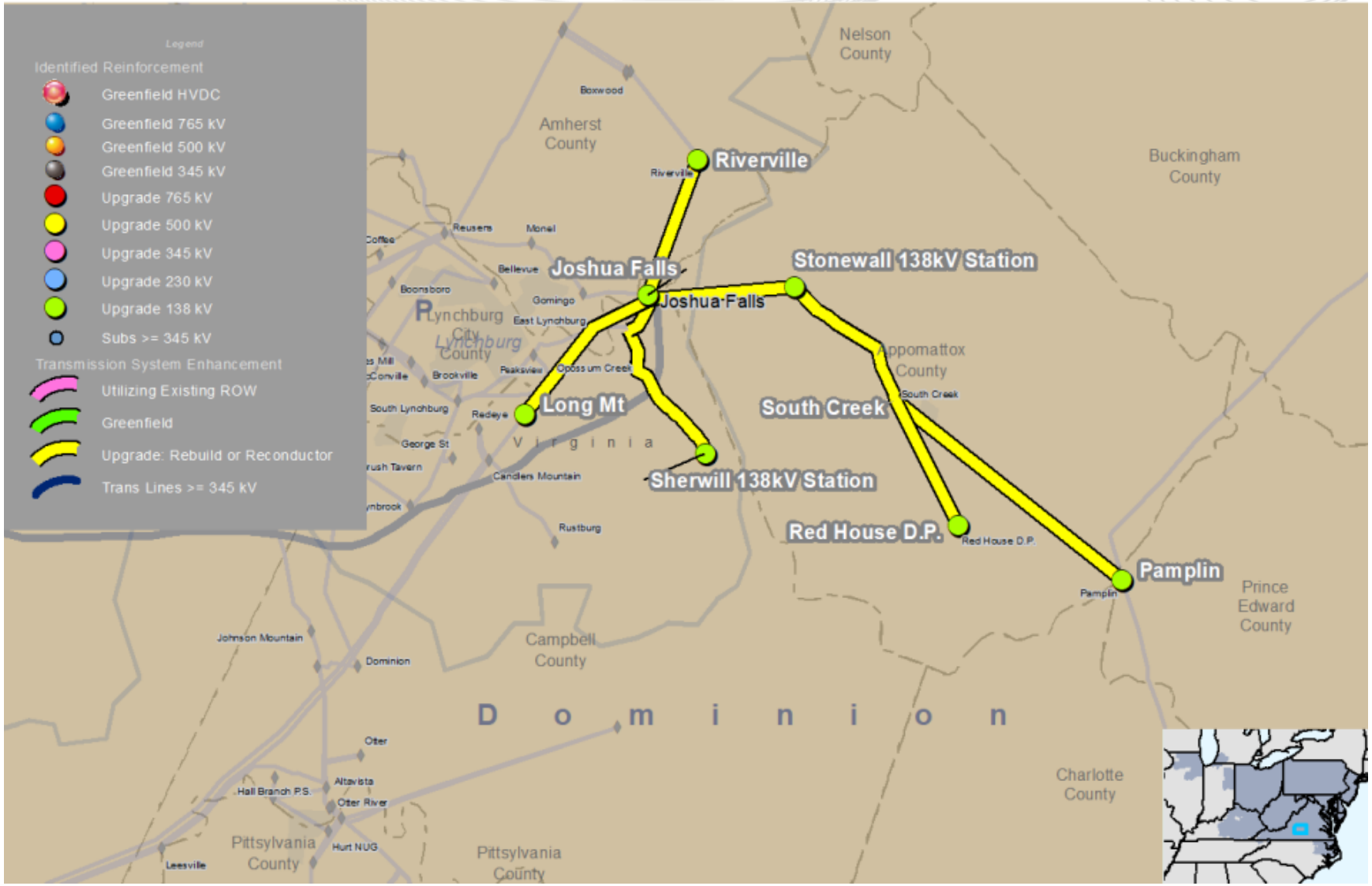
Transource Proposal Maps

(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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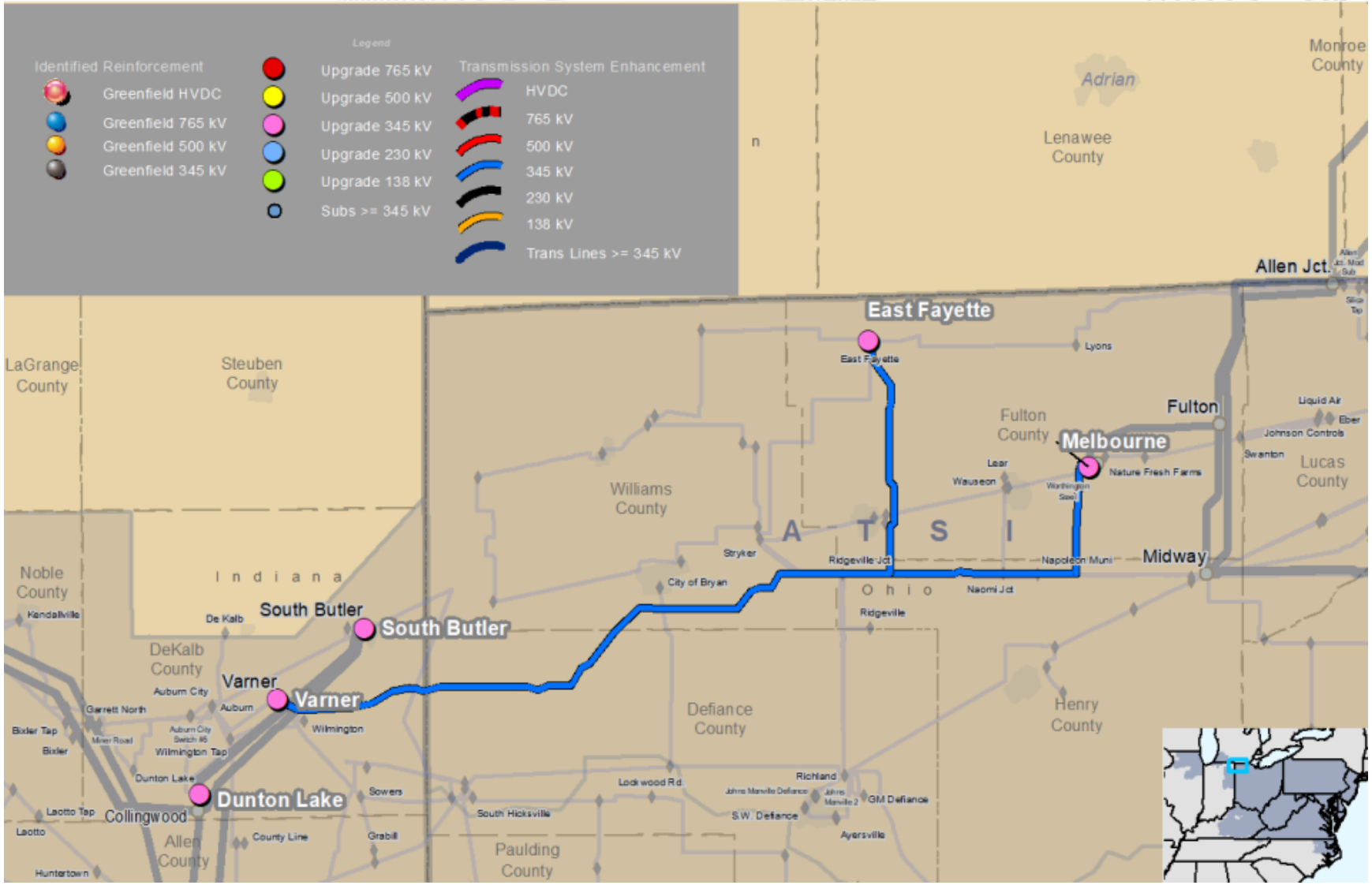

Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
Upgrade 230 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
HVDC
765 kV
500 kV
345 kV
230 kV
138 kV
115 kV
Trans Lines >= 345 kV
Riverville
Joshua Falls
Stonewall 138kV Station
Long Mt
South Creek
Sherwill 138kV Station
Red House D.P.
Pamplin
Nelson County
Amherst County
Buckingham County
Appomattox County
Prince Edward County
Campbell County
Charlotte County
Pittsylvania County
Lynchburg City
Lynchburg County
Virginia
Dominion

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Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
Upgrade 230 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
Utilizing Existing ROW
Greenfield
Upgrade: Rebuild or Reconductor
Trans Lines >= 345 kV
Riverville
Joshua Falls
Joshua Falls
Stonewall 138kV Station
Long Mt
South Creek
Sherwill 138kV Station
Red House D.P.
Red House D.P.
Pamplin
Pamplin
Nelson County
Amherst County
Buckingham County
Appomattox County
Prince Edward County
Campbell County
Charlotte County
Pittsylvania County
Lynchburg City
Lynchburg County
Virginia
Dominion

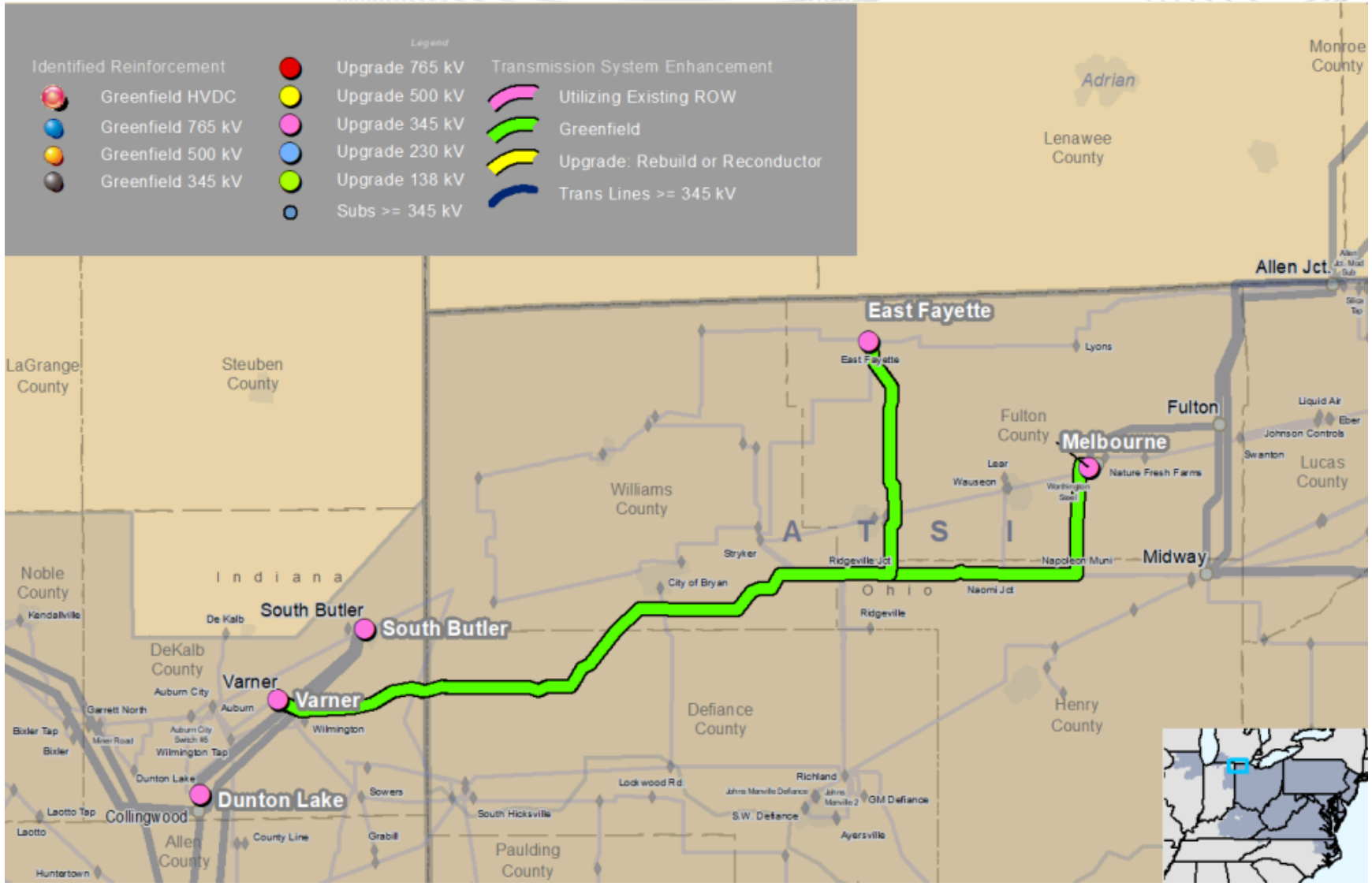
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2026-W1-258



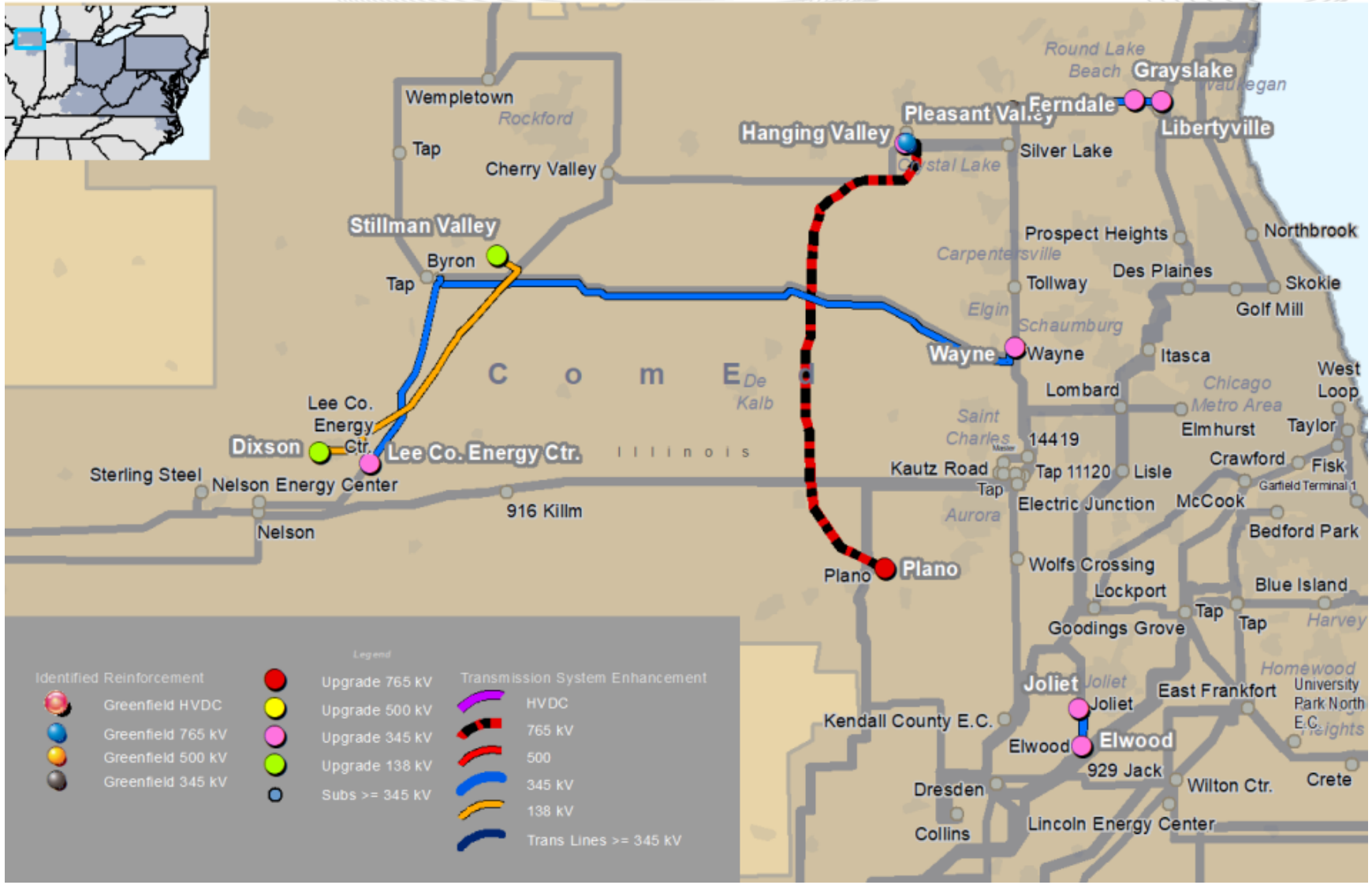
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2026-W1-258



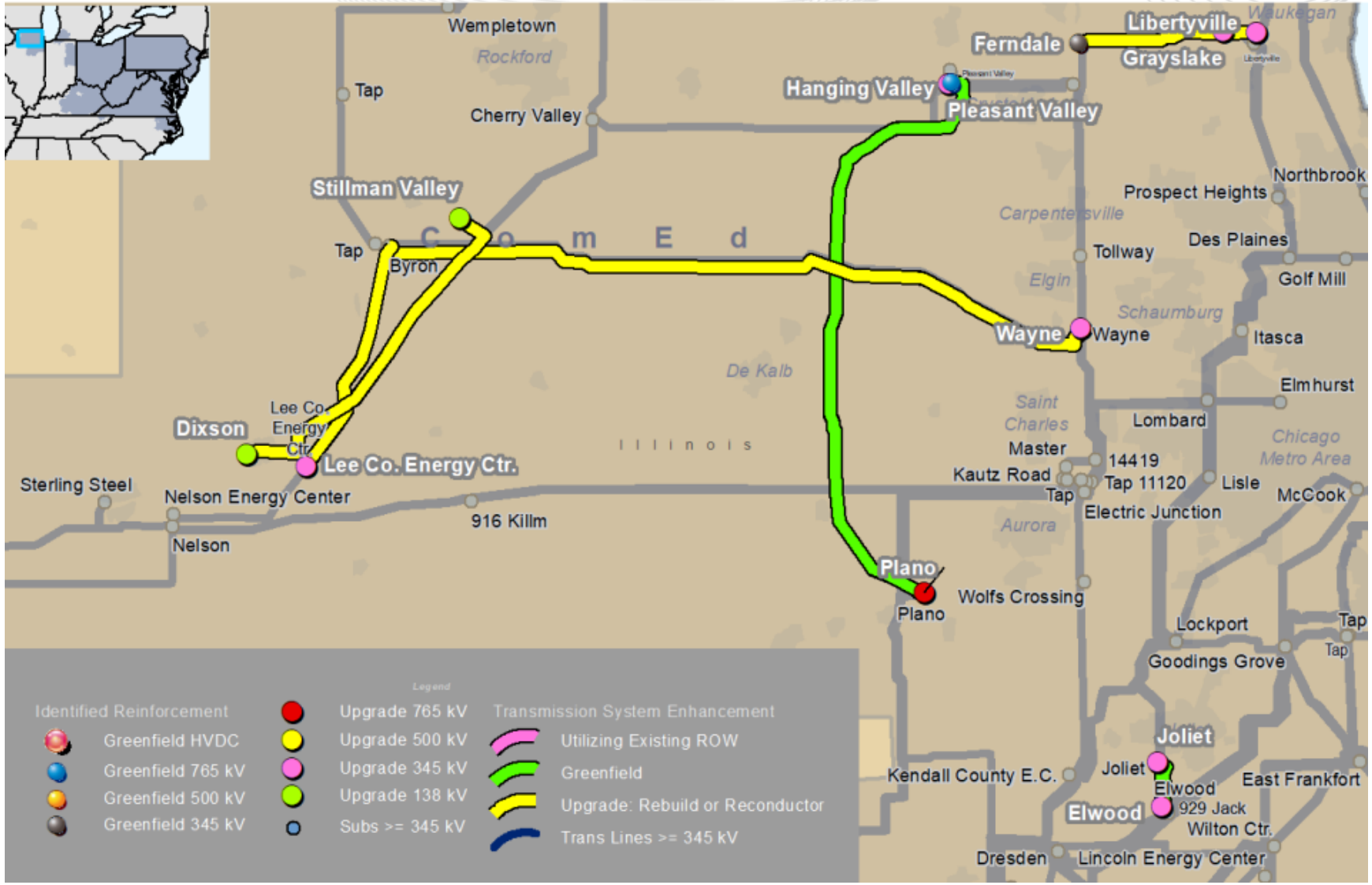
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2026-W1-327



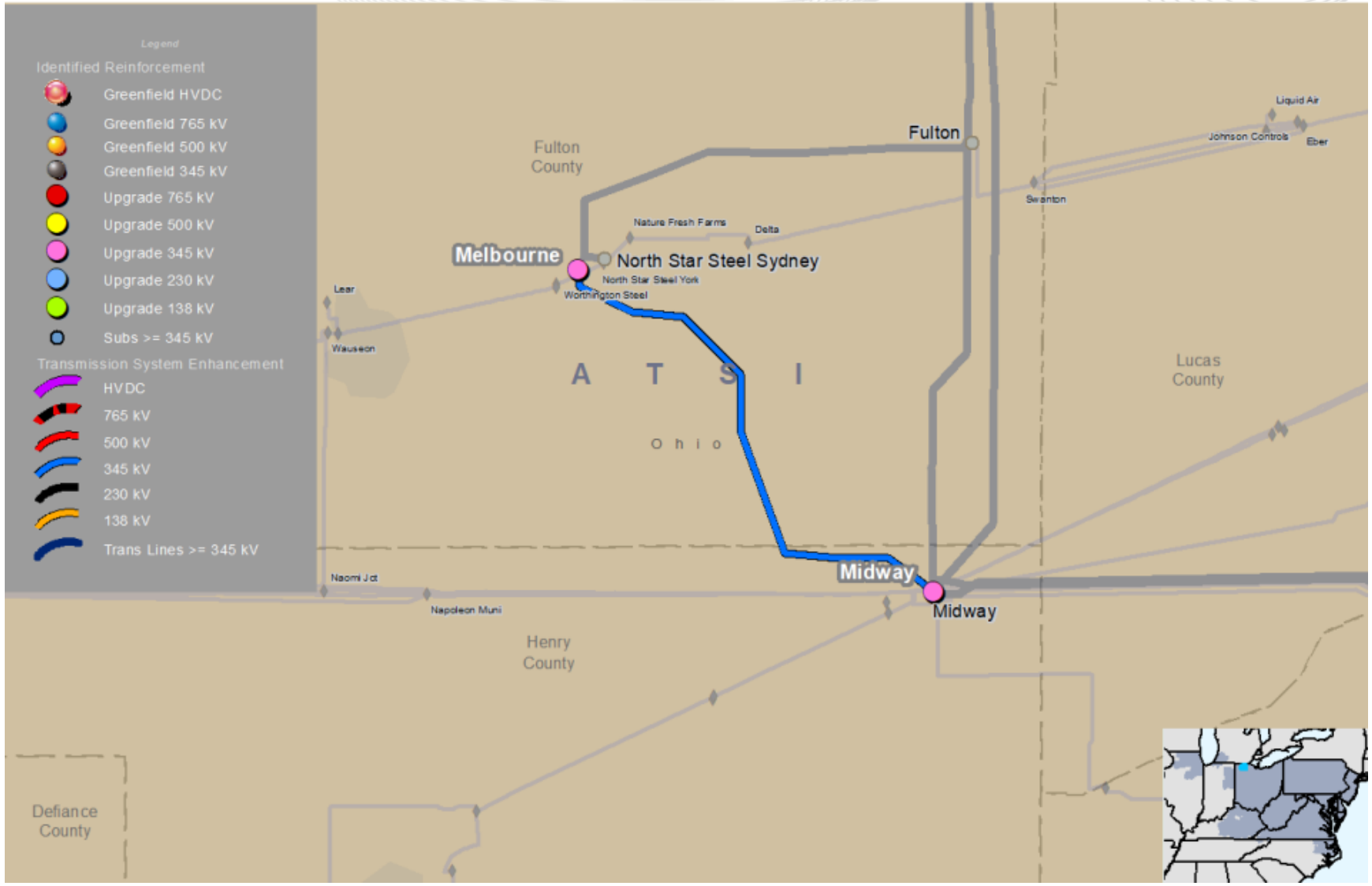
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2026-W1-327



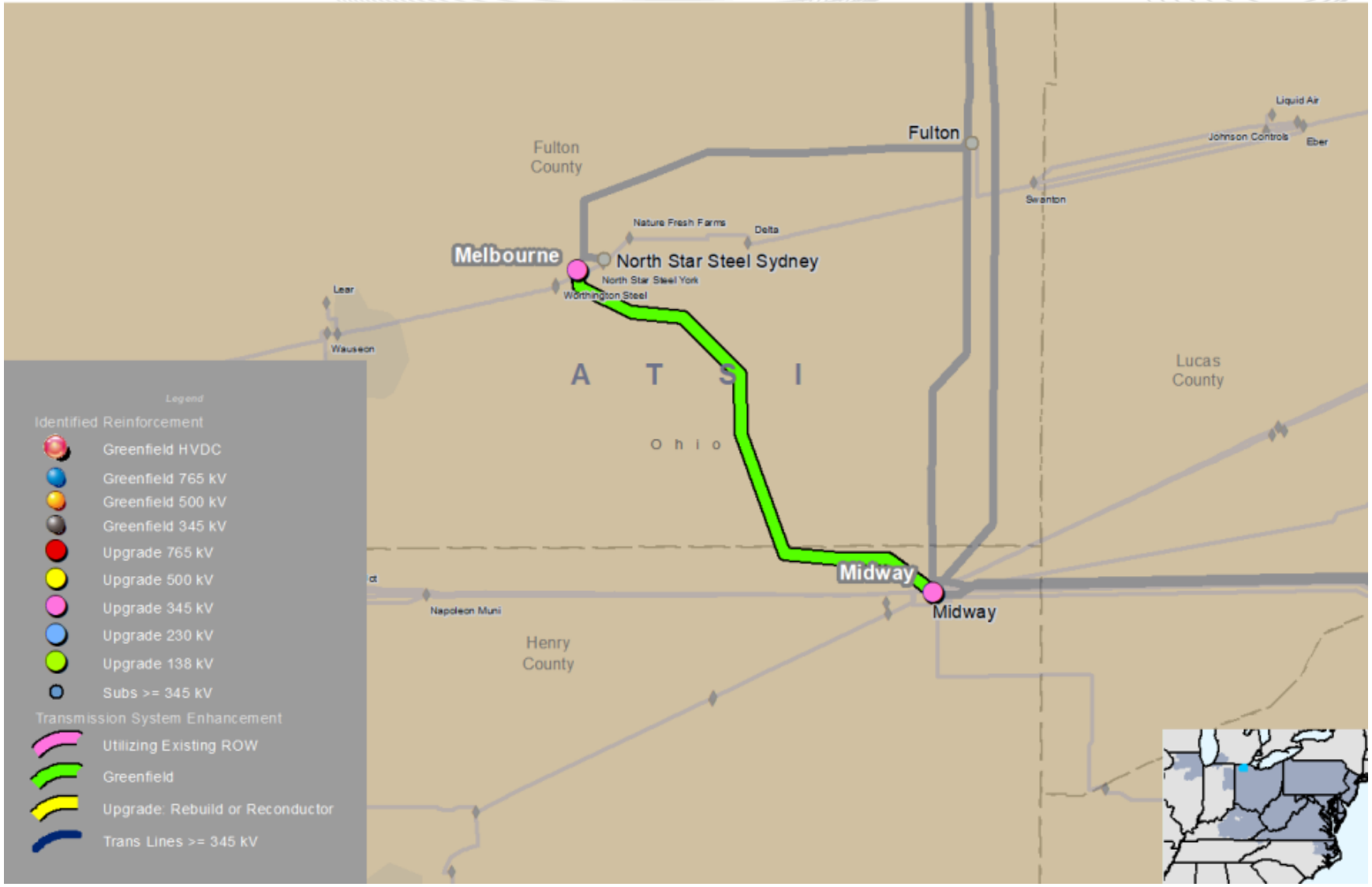
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2026-W1-523



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2026-W1-523



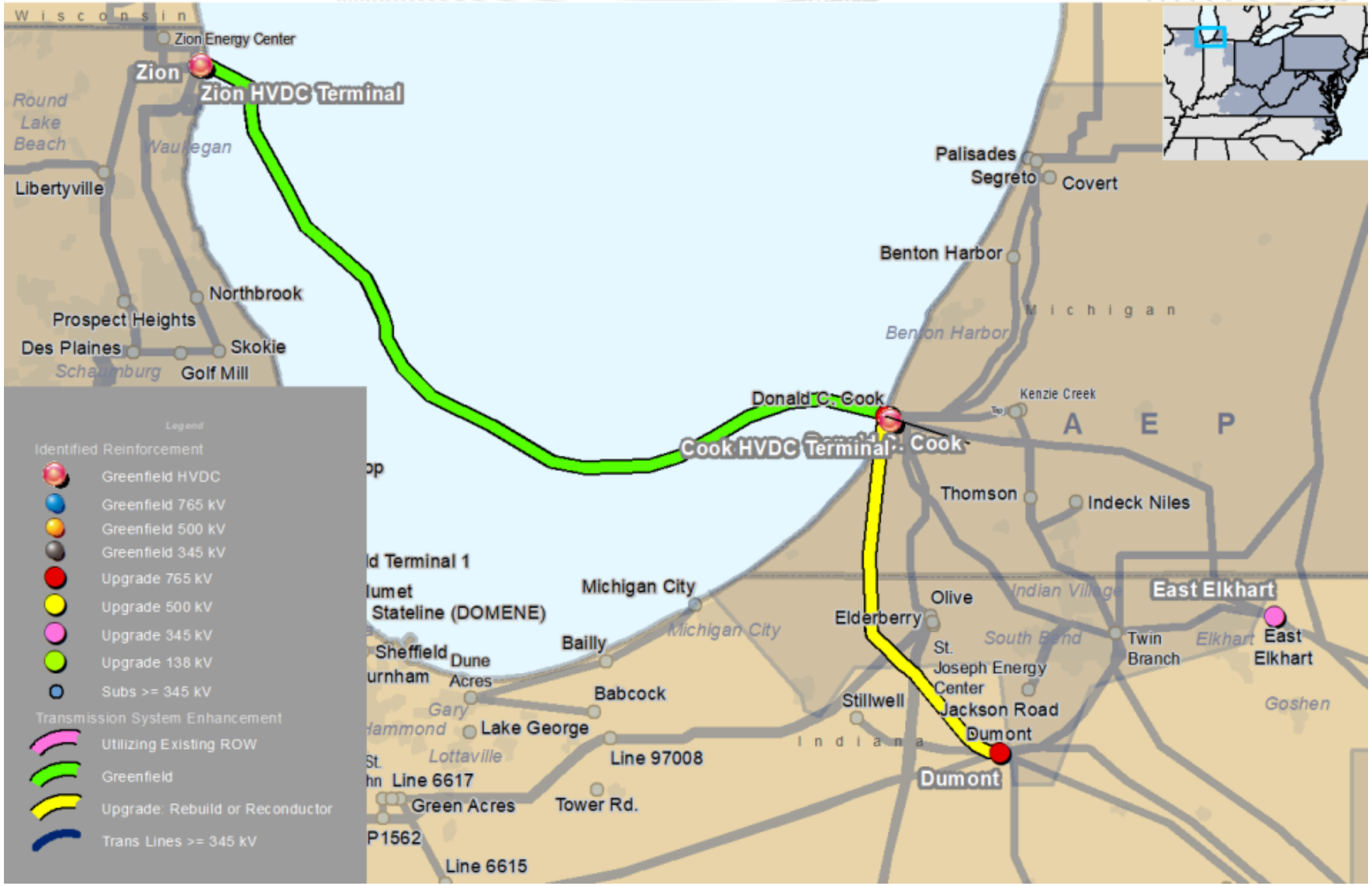
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2026-W1-563



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2026-W1-563



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Viridon Proposal Maps

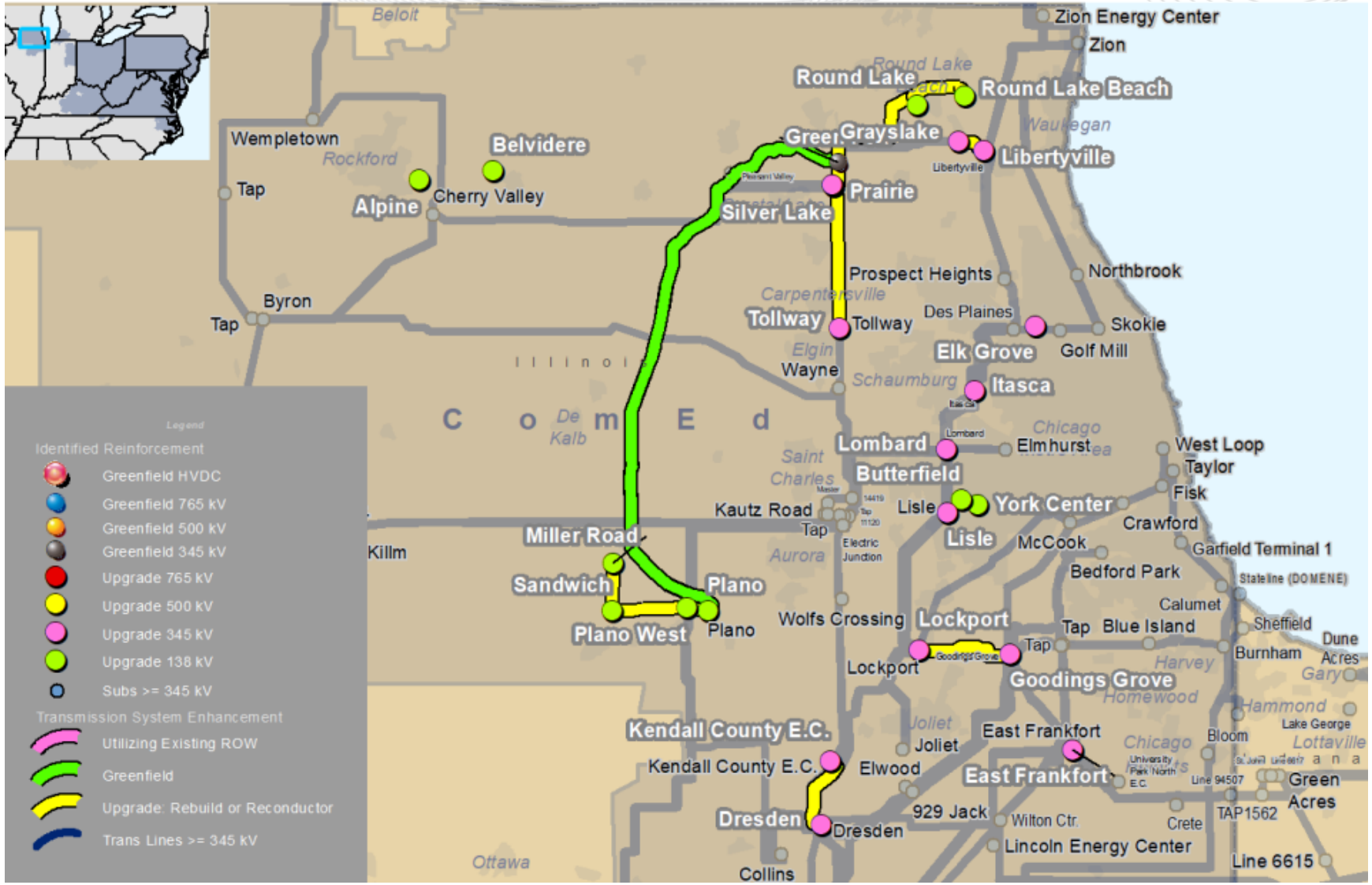
(all proposal maps are in draft form – maps will continue to be vetted and updated at future TEAC meetings)

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Zion Energy Center
Zion
Round Lake
Round Lake Beach
Grayslake
Libertyville
Prairie
Silver Lake
Belvidere
Cherry Valley
Alpine
Wempletown
Tap
Byron
Tollway
Prospect Heights
Northbrook
Des Plaines
Skokie
Golf Mill
Elk Grove
Itasca
Wayne
Lombard
Elmhurst
West Loop
Taylor
Fisk
Butterfield
Lisle
York Center
Crawford
McCook
Garfield Terminal 1
Bedford Park
Kautz Road
Miller Road
916 Killm
Sandwich
Plano
Plano West
Wolfs Crossing
Lockport
Tap Blue Island
Calumet
Sheffield
Burnham
Dune Acres
Goodings Grove
Kendall County E.C.
Joliet
East Frankfort
Elwood
Dresden
929 Jack
Wilton Ctr.
Crete
Lincoln Energy Center
TAP1562
Green Acres
Line 6615
Collins
Ottawa
Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
HVDC
765 kV
500
345 kV
138 kV
Trans Lines >= 345 kV

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2026-W1-219

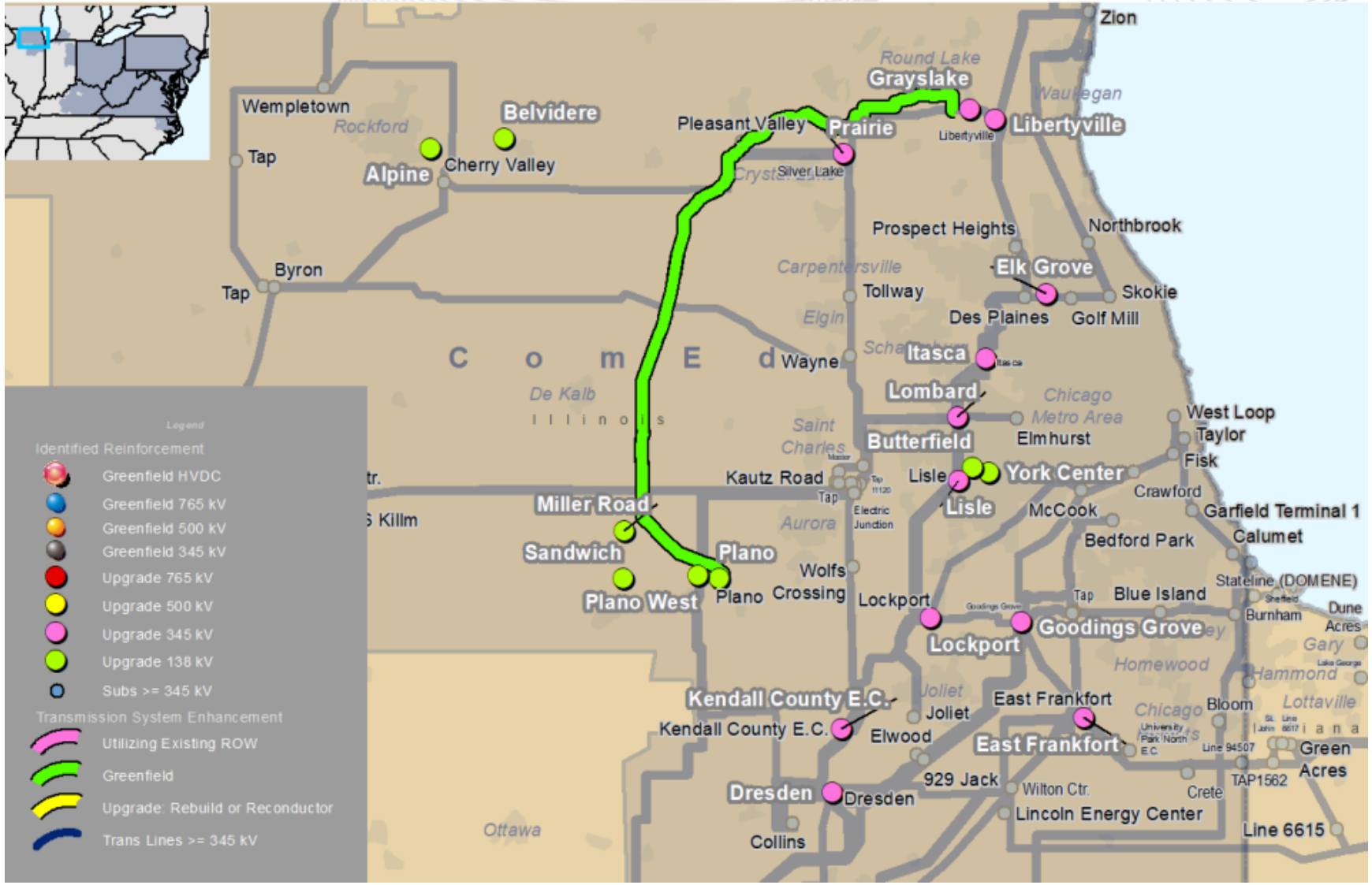


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Zion
Round Lake
Grayslake
Libertyville
Wempletown
Rockford
Belvidere
Pleasant Valley
Prairie
Tap
Alpine
Cherry Valley
Silver Lake
Prospect Heights
Northbrook
Byron
Tap
Elk Grove
Skokie
Tollway
Des Plaines
Golf Mill
Elgin
Wayne
Itasca
Lombard
Chicago Metro Area
De Kalb
Illinois
Saint Charles
Butterfield
Elmhurst
West Loop
Taylor
Fisk
Kautz Road
Lisle
York Center
Crawford
Miller Road
Aurora
Lisle
McCook
Garfield Terminal 1
916 Killm
Bedford Park
Calumet
Sandwich
Plano
Wolfs Crossing
Stateline (DOMENE)
Plano West
Plano
Lockport
Blue Island
Burnham
Dune Acres
Goodings Grove
Lockport
Gary
Homewood
Hammond
Kendall County E.C.
Joliet
East Frankfort
Bloom
Lottaville
Kendall County E.C.
Elwood
East Frankfort
Green Acres
929 Jack
Wilton Ctr.
Crete
TAP1562
Dresden
Dresden
Lincoln Energy Center
Ottawa
Collins
Line 6615
Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
HVDC
765 kV
500
345 kV
138 kV
Trans Lines >= 345 kV

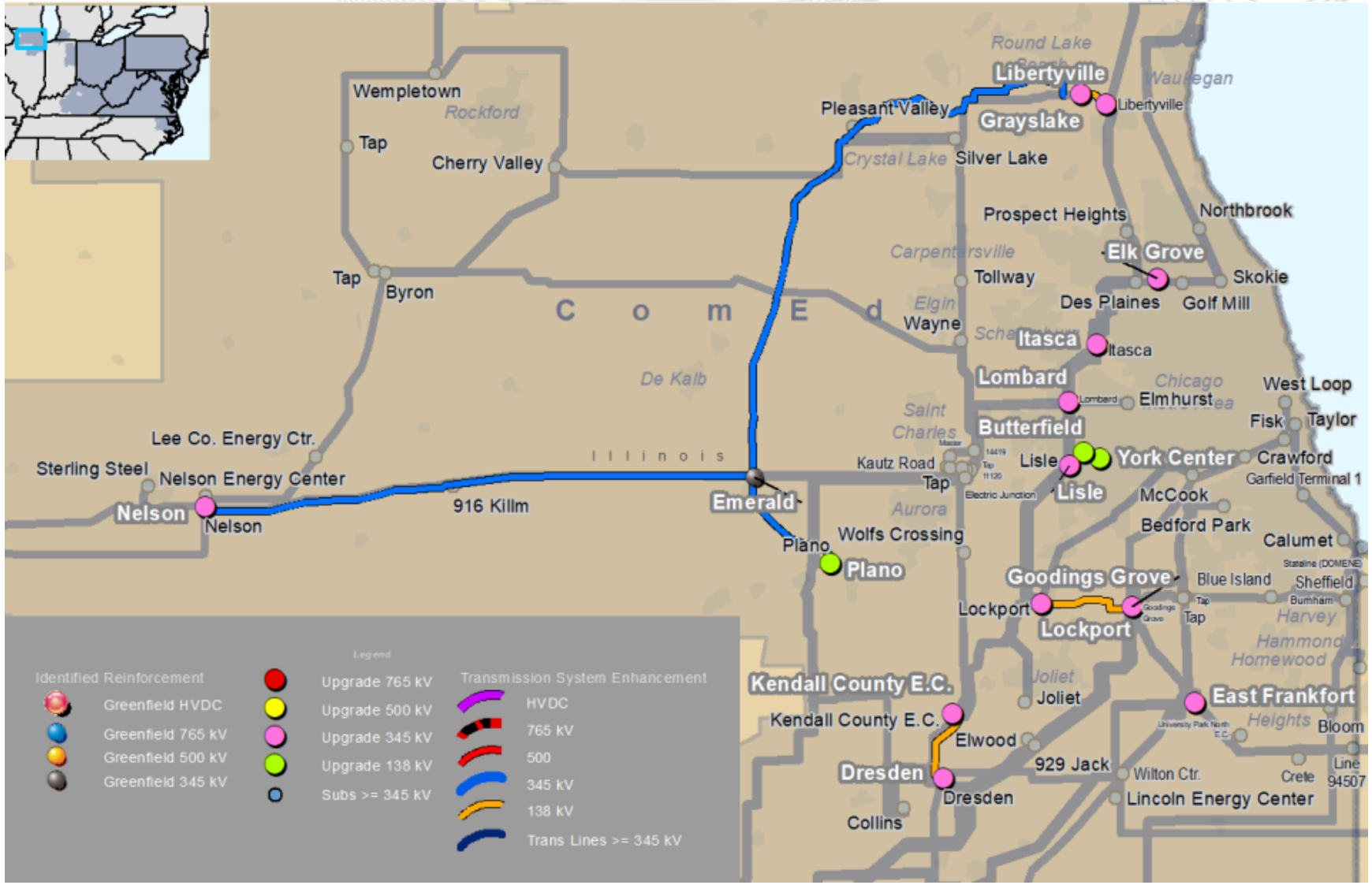
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2026-W1-516



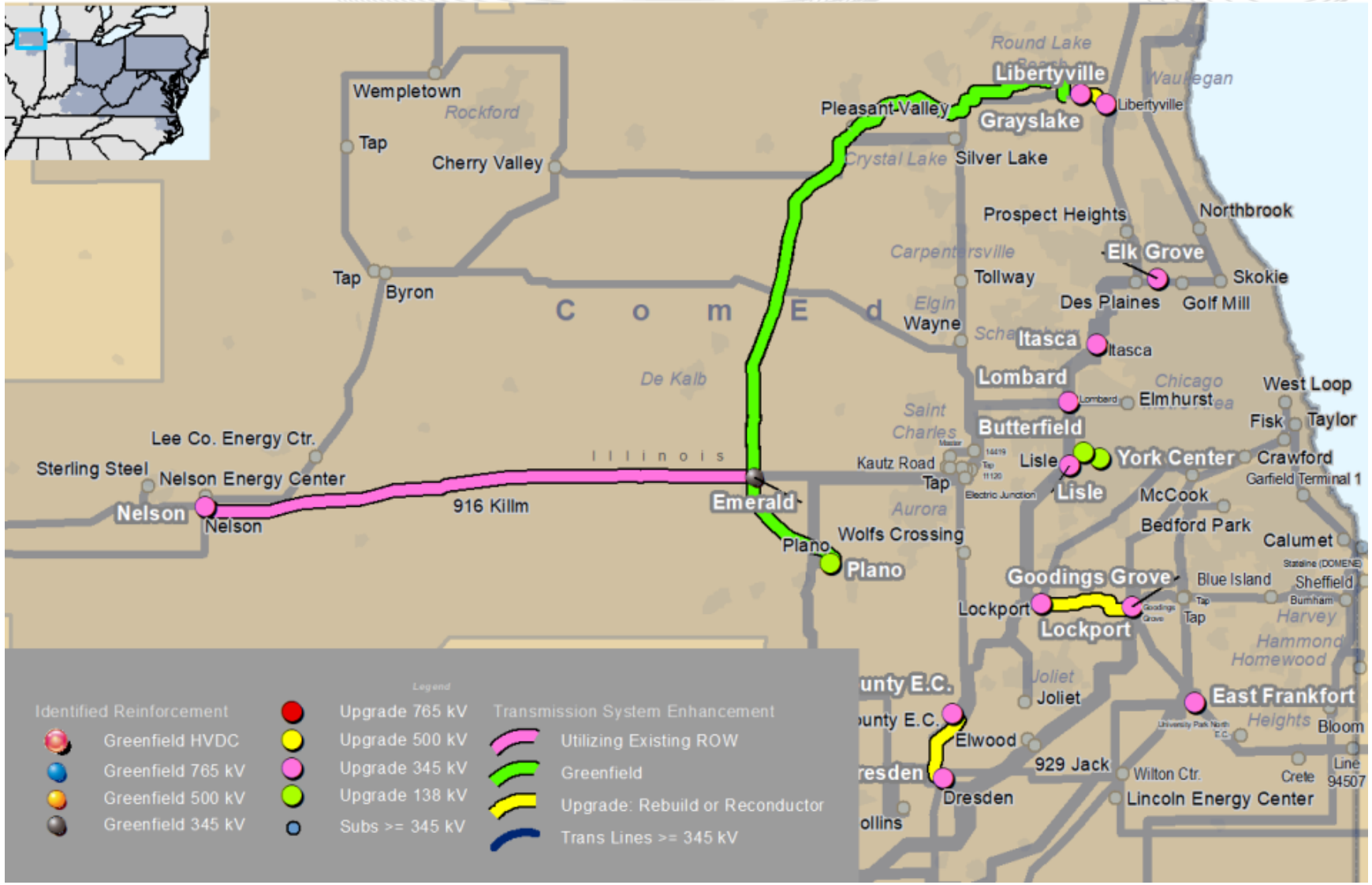
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2026-W1-602

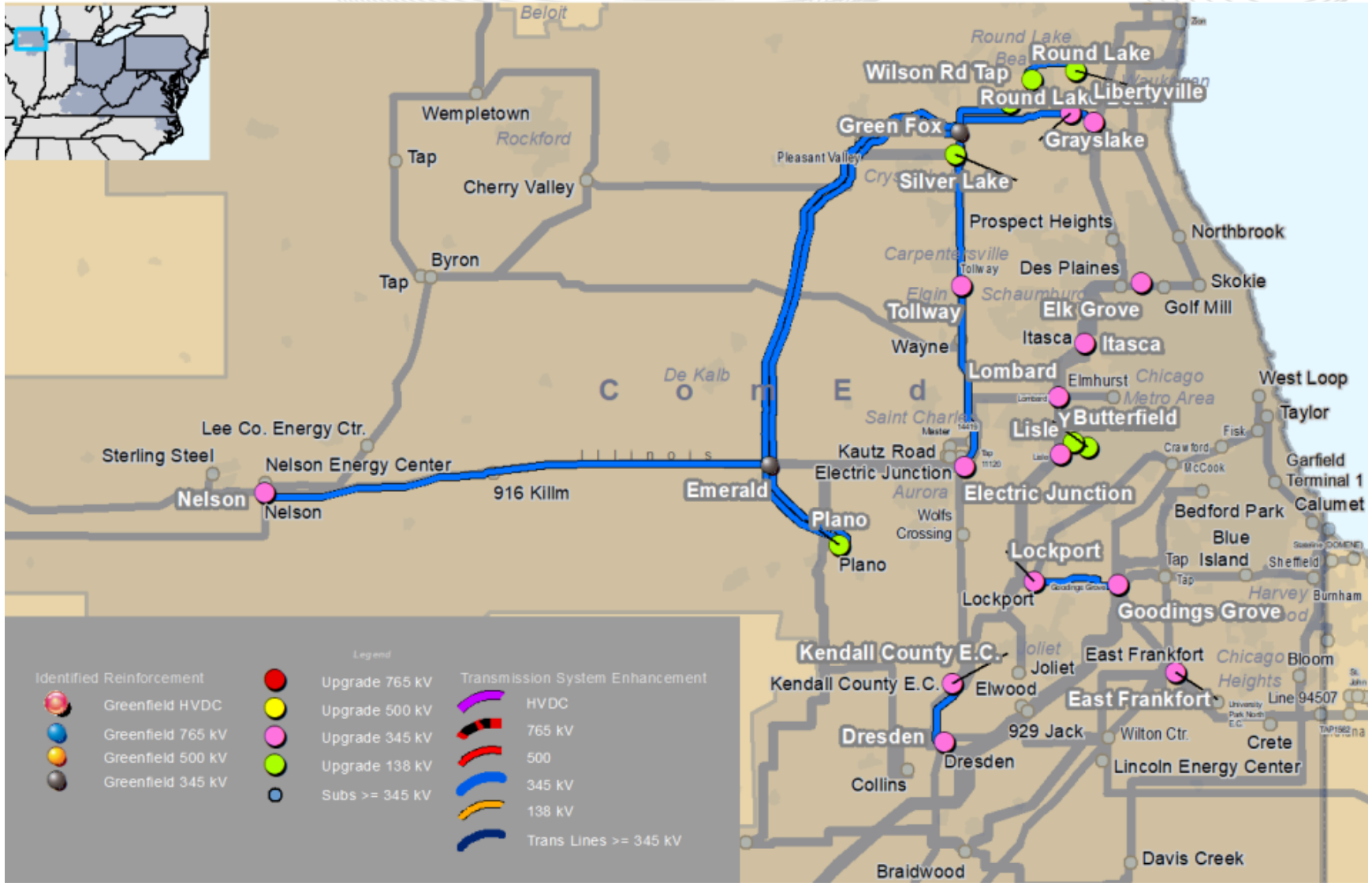


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2026-W1-602

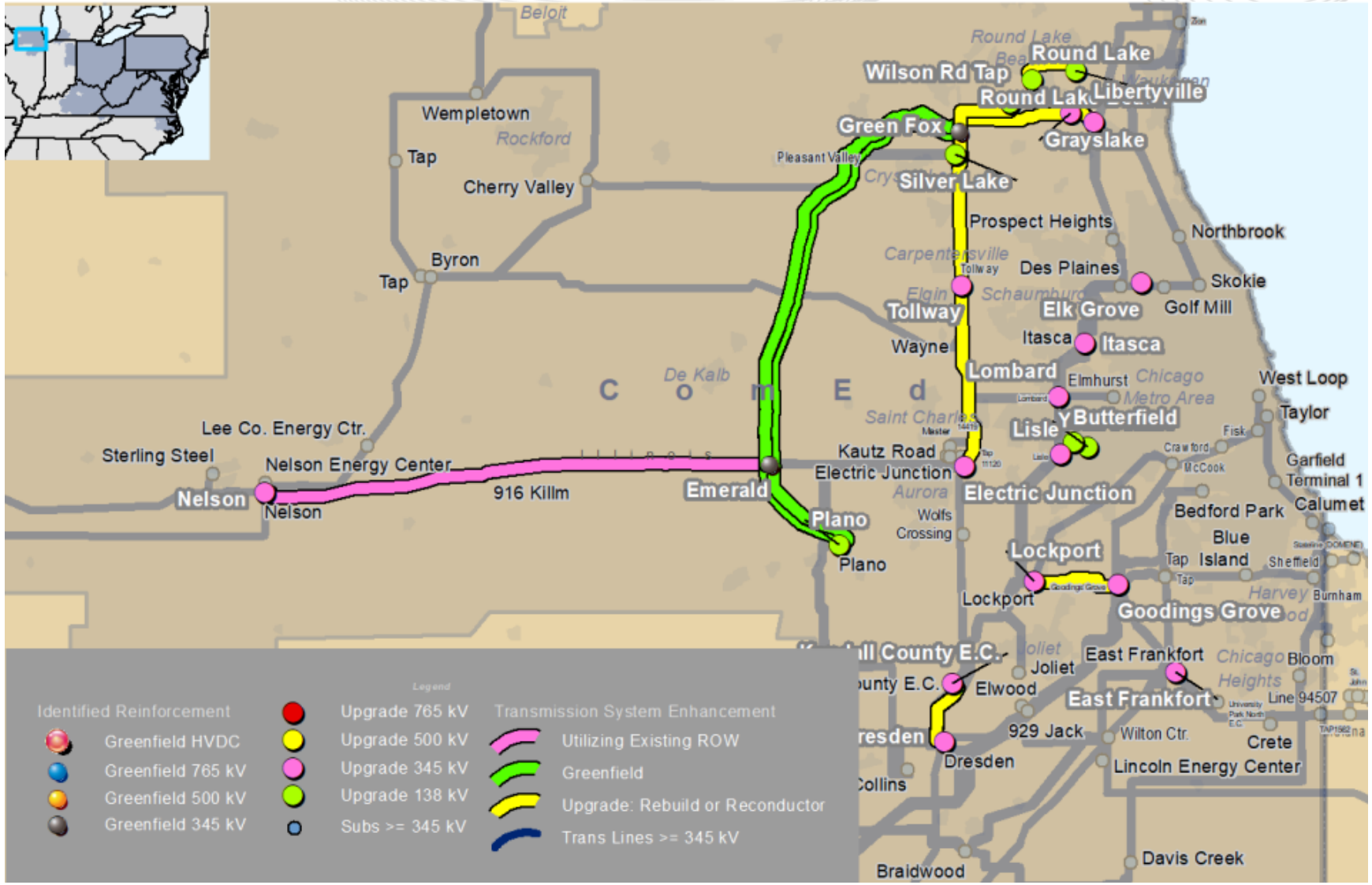


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Beloit
Wempletown
Rockford
Tap
Cherry Valley
Byron
Tap
Lee Co. Energy Ctr.
Sterling Steel
Nelson Energy Center
Nelson
Nelson
916 Killm
Emerald
Plano
Plano
Pleasant Valley
Green Fox
Silver Lake
Wilson Rd Tap
Round Lake
Libertyville
Grayslake
Prospect Heights
Northbrook
Des Plaines
Skokie
Golf Mill
Elk Grove
Itasca
Itasca
Tollway
Wayne
Lombard
Elmhurst
Chicago Metro Area
West Loop
Taylor
Butterfield
Lisle
Kautz Road
Electric Junction
Electric Junction
Aurora
Wolfs Crossing
Garfield
Terminal 1
Calumet
Bedford Park
Blue Island
Lockport
Lockport
Goodings Grove
Harvey
Burnham
Kendall County E.C.
Kendall County E.C.
Joliet
Elwood
East Frankfort
East Frankfort
Chicago Heights
Bloom
Line 94507
Dresden
Dresden
929 Jack
Wilton Ctr.
Crete
Lincoln Energy Center
Collins
Braidwood
Davis Creek
De Kalb
Saint Charles
Crawford
McCook
Fisk
Sheffield
Tap
Tollway
Legend
Identified Reinforcement
Greenfield HVDC
Greenfield 765 kV
Greenfield 500 kV
Greenfield 345 kV
Upgrade 765 kV
Upgrade 500 kV
Upgrade 345 kV
Upgrade 138 kV
Subs >= 345 kV
Transmission System Enhancement
HVDC
765 kV
500
345 kV
138 kV
Trans Lines >= 345 kV

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2026-W1-733



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Reliability Analysis Update



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custsvc@pjm.com

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Revision History

Version No.	Date	Description
1	10/29/2026	• Initial slides posted
2	11/2/2026	• Added remaining/all proposal maps in Appendix

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