



## **VECL's effect on Load Shed Tables Study**

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Large Load Integration Team

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## Study Characteristics

- **Main Question:** How do load shed obligations vary depending on whether VECLs are taken into account or not?
- VECL – Voluntary Early Curtailment Load.
- Using load submitted by TSPs in the SSWG cases.
- Study years: 2025, 2026, 2027, and 2028.
- Using Golden Spread as an initial example (2 scenarios):
  - **1) VECL's not considered:** Load shed obligations based on the SSWG load growth only for the study years.
  - **2) VECL's considered:** Load shed obligations based on the SSWG and LFL projected growth for Golden Spread only for the study years.

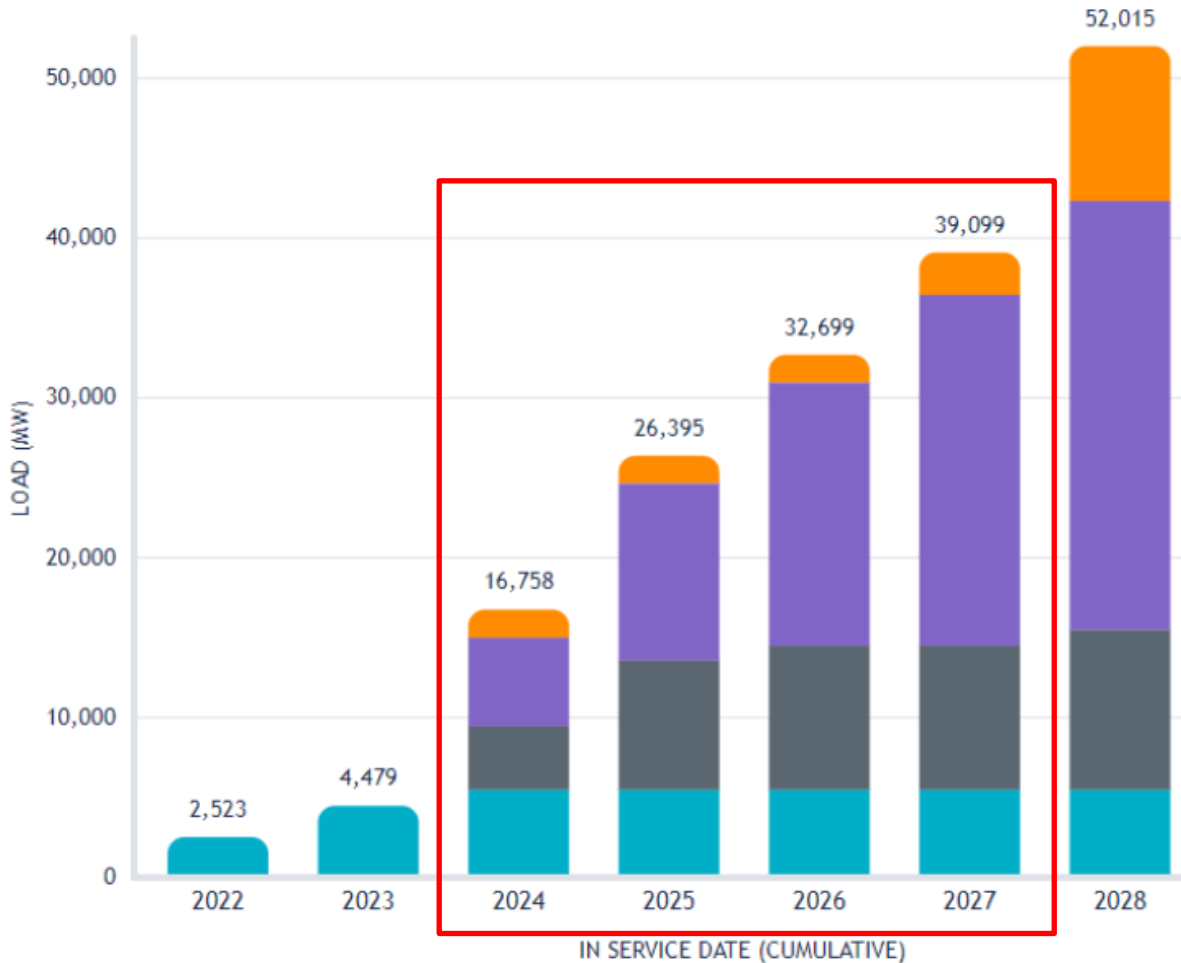
# Approximate Current 2025 Total TSP Load %

TSP	MW Share 2025	Percent Share 2025
AEP Texas Central Company	7075.73	9.01
Brazos Electric Power Cooperative Inc.	4562.71	5.81
Brownsville Public Utilities Board	290.57	0.37
Bryan Texas Utilities	431.93	0.55
CenterPoint Energy Houston Electric LLC	15345.15	19.54
City of Austin dba Austin Energy	2693.65	3.43
City of College Station	196.33	0.25
City of Garland	565.43	0.72
City of Lubbock, acting through Lubbock Power & Light	486.90	0.62
CPS Energy	5418.71	6.90
Denton Municipal Electric	345.54	0.44
GEUS	117.80	0.15
Golden Spread Electric Cooperative	361.25	0.46
Lamar County Electric Cooperative Inc. dba LEC	86.39	0.11
LCRA Transmission Services Corporation	3895.19	4.96
Oncor Electric Delivery Company LLC	28318.64	36.06
Pedernales Electric Cooperative Inc.	2308.84	2.94
Rayburn Country Cooperative Inc.	1641.32	2.09
South Texas Electric Cooperative Inc.	2253.87	2.87
Texas-New Mexico Power Company	2136.07	2.72
Total	78532.00	100.00

# LFL Growth Assumption

\*In July 2024 ERCOT expanded the queue to include projects with projected in-service dates of 2028. Previously, projects without an in-service date were assigned a default ISD of 12/31/2027. Those projects were reassigned a default ISD of 12/31/2028.

Actual and Projected Large Load Growth 2022-2028



- Presented at the August [WMS](#) meeting.
- Finding the average LFL percent growth from 2024 to 2027\*.
  - 2024 to 2025: 57.5%
  - 2025 to 2026: 23.9%
  - 2026 to 2027: 19.6%
- Average percent increase year over year: **33.67%**
- Golden spread believes that they will have 7,600 MW in the next 4 years.
- Taking into account a 33.67% yearly increase; this means that LFL load would grow by about 2,558 MW each year.

# Scenario 1: VECL's not considered

TSP	MW Share 2025	Percent Share 2025	MW Share 2026	Percent Share 2026	MW Share 2027	Percent Share 2027	MW Share 2028	Percent Share 2028
AEP Texas Central Company	7075.73	9.01	21935.56	11.02	27939.34	13.17	28652.11	13.09
Brazos Electric Power Cooperative Inc.	4562.71	5.81	10239.25	5.15	10602.34	5.00	11131.55	5.09
Brownsville Public Utilities Board	290.57	0.37	636.42	0.32	655.55	0.31	664.53	0.30
Bryan Texas Utilities	431.93	0.55	1110.48	0.56	1150.55	0.54	1218.45	0.56
CenterPoint Energy Houston Electric LLC	15345.15	19.54	42005.09	21.11	42519.77	20.04	43039.87	19.67
City of Austin dba Austin Energy	2693.65	3.43	5780.93	2.91	5815.54	2.74	5861.43	2.68
City of College Station	196.33	0.25	433.77	0.22	447.61	0.21	456.21	0.21
City of Garland	565.43	0.72	1238.95	0.62	1309.67	0.62	1396.93	0.64
City of Lubbock, acting through Lubbock Power & Light	486.90	0.62	1148.71	0.58	1158.57	0.55	1173.65	0.54
CPS Energy	5418.71	6.90	12126.17	6.09	12507.04	5.90	12783.34	5.84
Denton Municipal Electric	345.54	0.44	1124.32	0.57	1149.51	0.54	1193.45	0.55
GEUS	117.80	0.15	244.70	0.12	117.80	0.06	249.90	0.11
Golden Spread Electric Cooperative	361.25	0.46	826.96	0.42	831.33	0.39	833.37	0.38
Lamar County Electric Cooperative Inc. dba LEC	86.39	0.11	146.20	0.07	147.33	0.07	149.19	0.07
LCRA Transmission Services Corporation	3895.19	4.96	8794.12	4.42	9155.08	4.32	9651.75	4.41
Oncor Electric Delivery Company LLC	28318.64	36.06	71105.20	35.74	75165.73	35.43	78167.59	35.72
Pedernales Electric Cooperative Inc.	2308.84	2.94	4777.31	2.40	5019.57	2.37	5389.37	2.46
Rayburn Country Cooperative Inc.	1641.32	2.09	3204.28	1.61	3329.68	1.57	3444.63	1.57
South Texas Electric Cooperative Inc.	2253.87	2.87	4475.09	2.25	4784.39	2.26	4974.20	2.27
Texas-New Mexico Power Company	2136.07	2.72	7611.65	3.83	8317.09	3.92	8416.34	3.85

# Scenario 2: VECL's considered

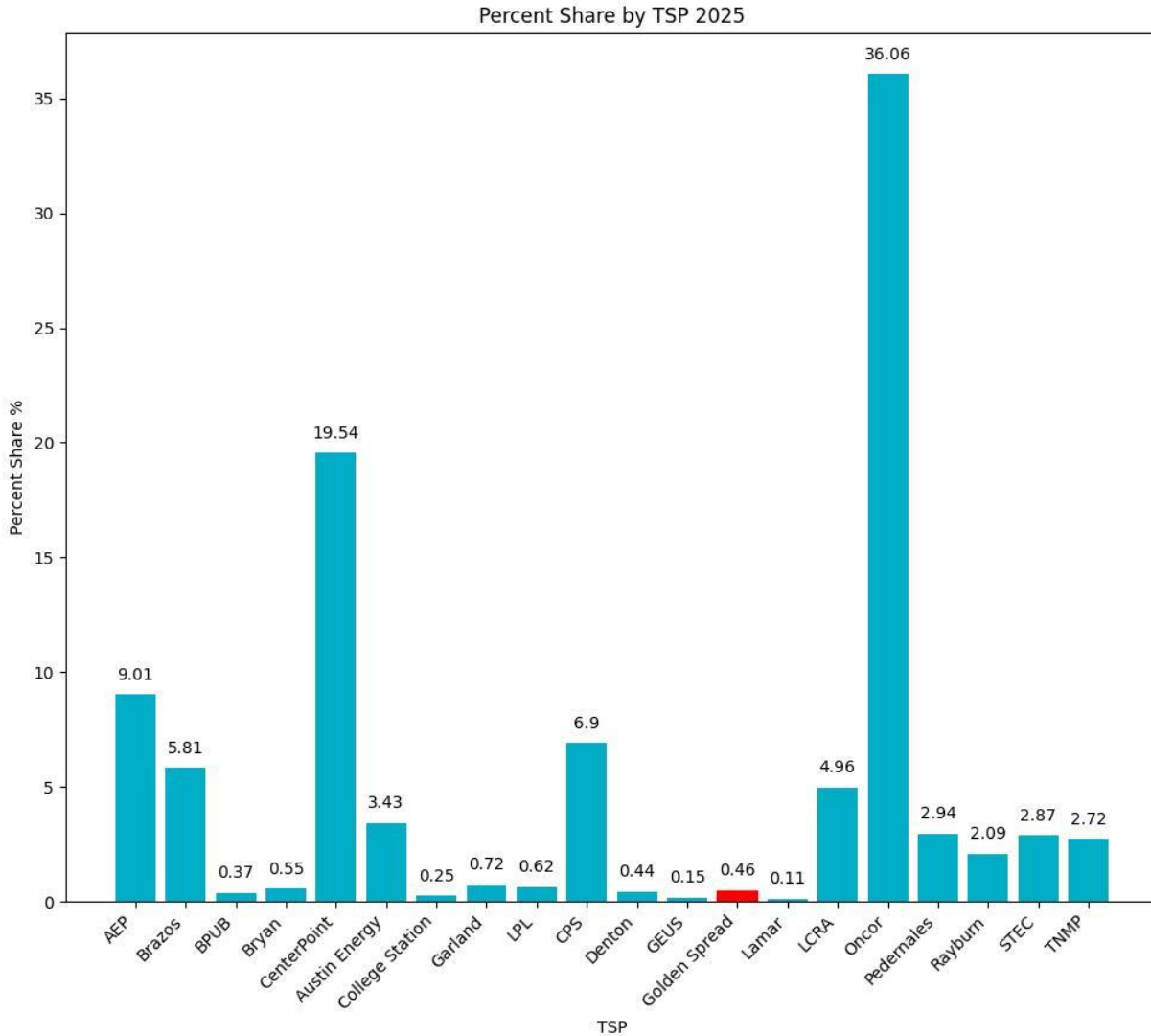
TSP	MW Share 2025	Percent Share 2025	MW Share 2026	Percent Share 2026	MW Share 2027	Percent Share 2027	MW Share 2028	Percent Share 2028
AEP Texas Central Company	7075.73	9.01	21935.56	10.88	27939.34	12.86	28652.11	12.65
Brazos Electric Power Cooperative Inc.	4562.71	5.81	10239.25	5.08	10602.34	4.88	11131.55	4.91
Brownsville Public Utilities Board	290.57	0.37	636.42	0.32	655.55	0.30	664.53	0.29
Bryan Texas Utilities	431.93	0.55	1110.48	0.55	1150.55	0.53	1218.45	0.54
CenterPoint Energy Houston Electric LLC	15345.15	19.54	42005.09	20.84	42519.77	19.57	43039.87	19.00
City of Austin dba Austin Energy	2693.65	3.43	5780.93	2.87	5815.54	2.68	5861.43	2.59
City of College Station	196.33	0.25	433.77	0.22	447.61	0.21	456.21	0.20
City of Garland	565.43	0.72	1238.95	0.61	1309.67	0.60	1396.93	0.62
City of Lubbock, acting through Lubbock Power & Light	486.90	0.62	1148.71	0.57	1158.57	0.53	1173.65	0.52
CPS Energy	5418.71	6.90	12126.17	6.02	12507.04	5.76	12783.34	5.64
Denton Municipal Electric	345.54	0.44	1124.32	0.56	1149.51	0.53	1193.45	0.53
GEUS	117.80	0.15	244.70	0.12	117.80	0.05	249.90	0.11
<b>Golden Spread Electric Cooperative</b>	<b>361.25</b>	<b>0.46</b>	<b>3385.88</b>	<b>1.68</b>	<b>5944.80</b>	<b>2.74</b>	<b>8503.72</b>	<b>3.75</b>
Lamar County Electric Cooperative Inc. dba LEC	86.39	0.11	146.20	0.07	147.33	0.07	149.19	0.07
LCRA Transmission Services Corporation	3895.19	4.96	8794.12	4.36	9155.08	4.21	9651.75	4.26
Oncor Electric Delivery Company LLC	28318.64	36.06	71105.20	35.28	75165.73	34.60	78167.59	34.51
Pedernales Electric Cooperative Inc.	2308.84	2.94	4777.31	2.37	5019.57	2.31	5389.37	2.38
Rayburn Country Cooperative Inc.	1641.32	2.09	3204.28	1.59	3329.68	1.53	3444.63	1.52
South Texas Electric Cooperative Inc.	2253.87	2.87	4475.09	2.22	4784.39	2.20	4974.20	2.20
Texas-New Mexico Power Company	2136.07	2.72	7611.65	3.78	8317.09	3.83	8416.34	3.72

## How did Golden Spread's load share obligation change?

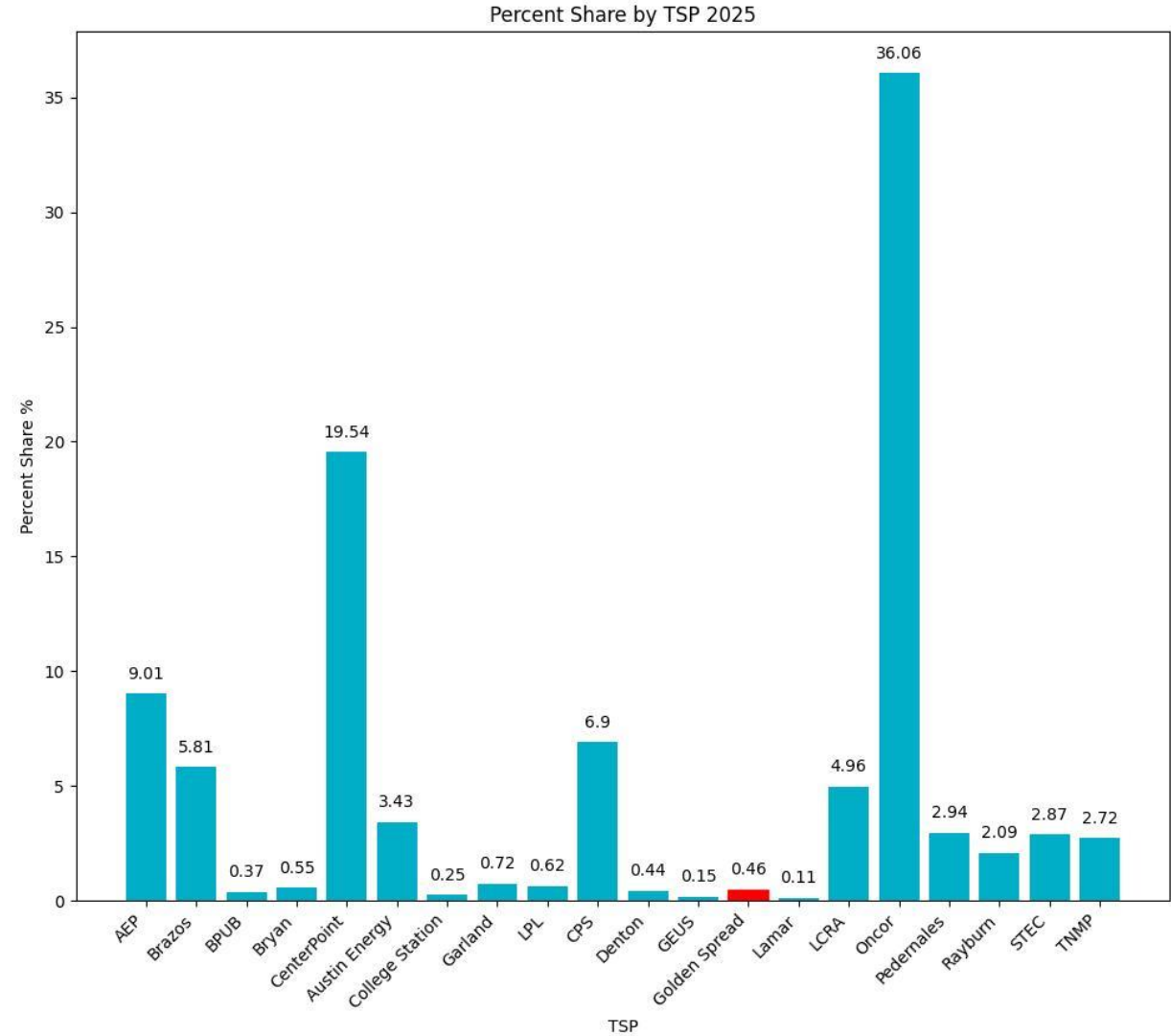
Year	VELC's not considered	VELC's considered
2025	0.46	0.46
2026	0.42	1.68
2027	0.39	2.74
2028	0.38	3.75

# Current Winter Load Shed Tables.

## VECL's not considered



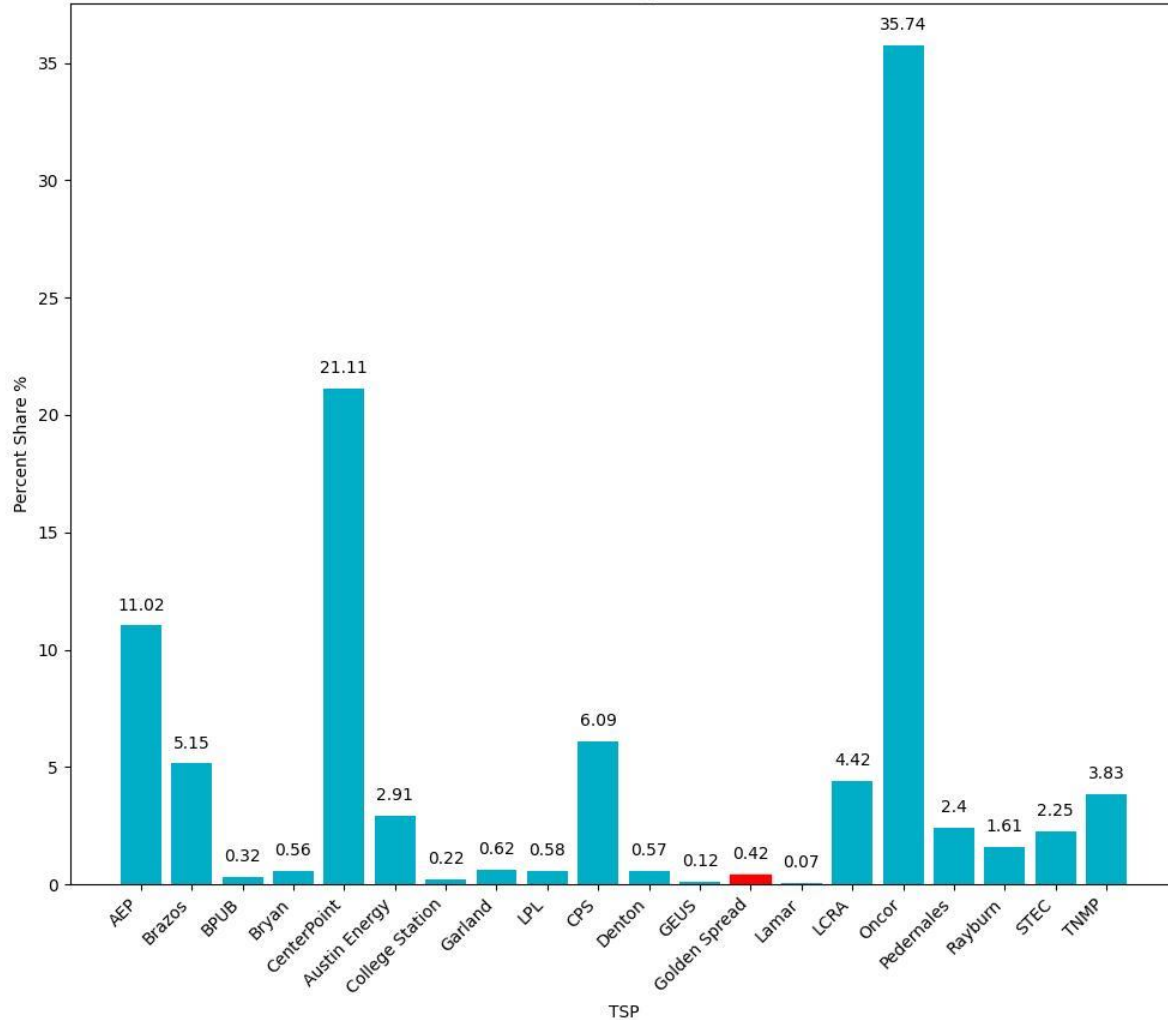
## VECL's considered



# 2026 Winter Load Shed Tables.

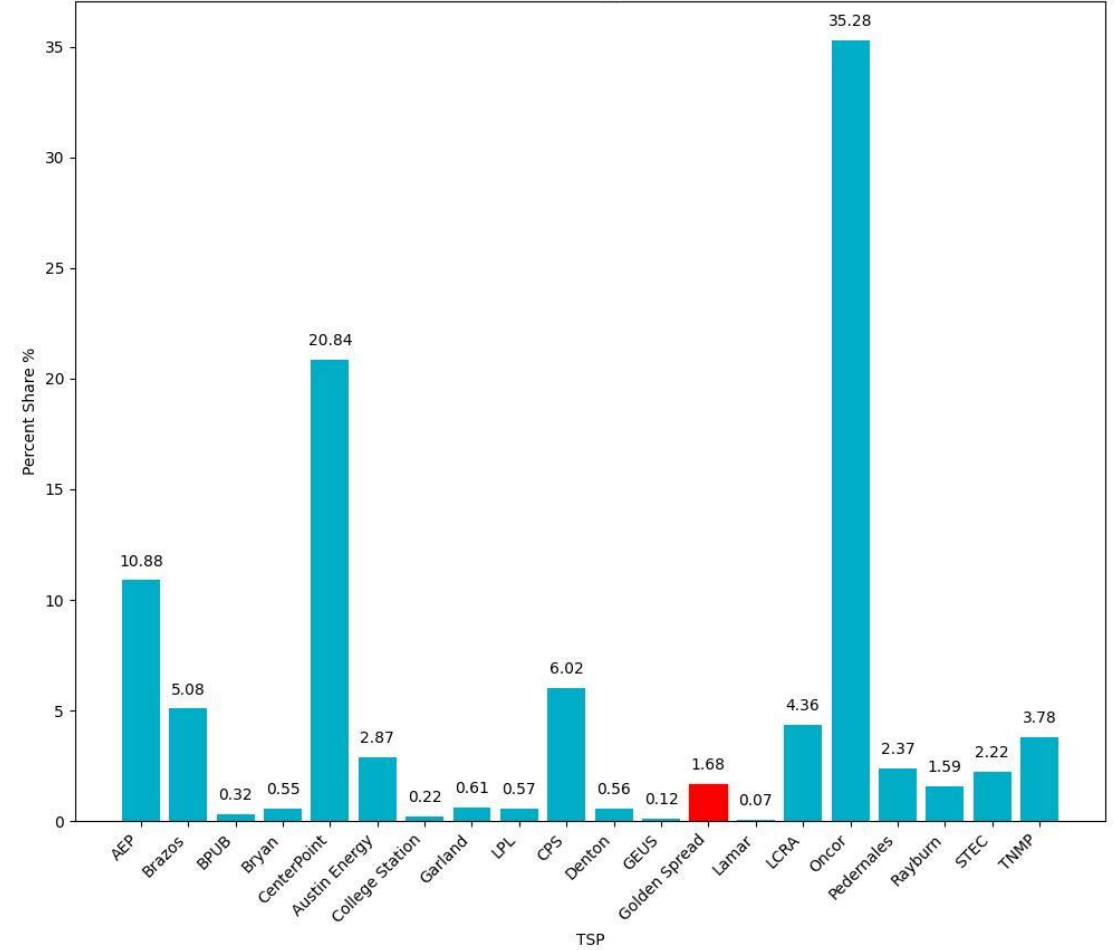
## VECL's not considered

Percent Share by TSP 2026



## VECL's considered

Percent Share by TSP 2026

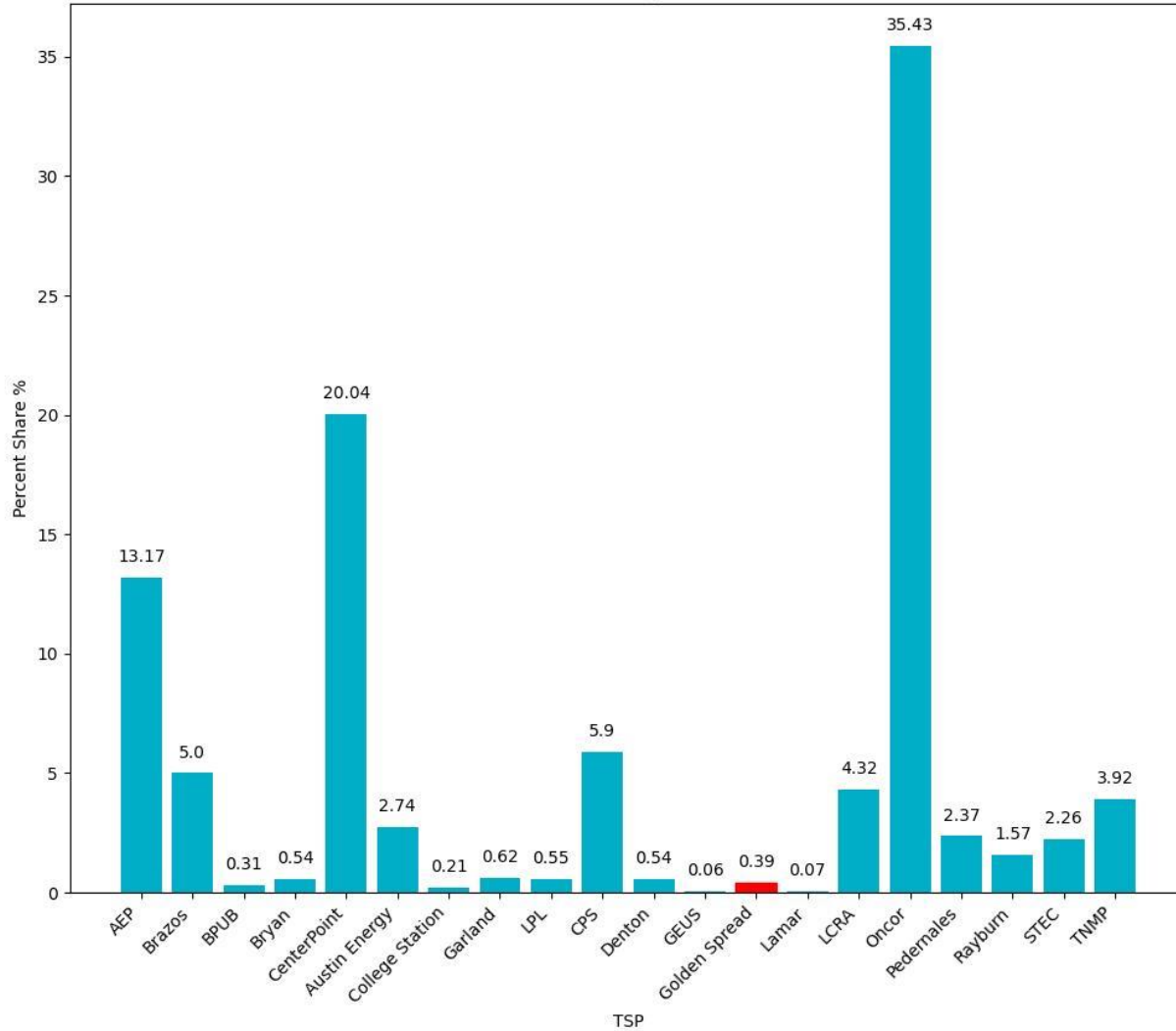




# 2027 Winter Load Shed Tables.

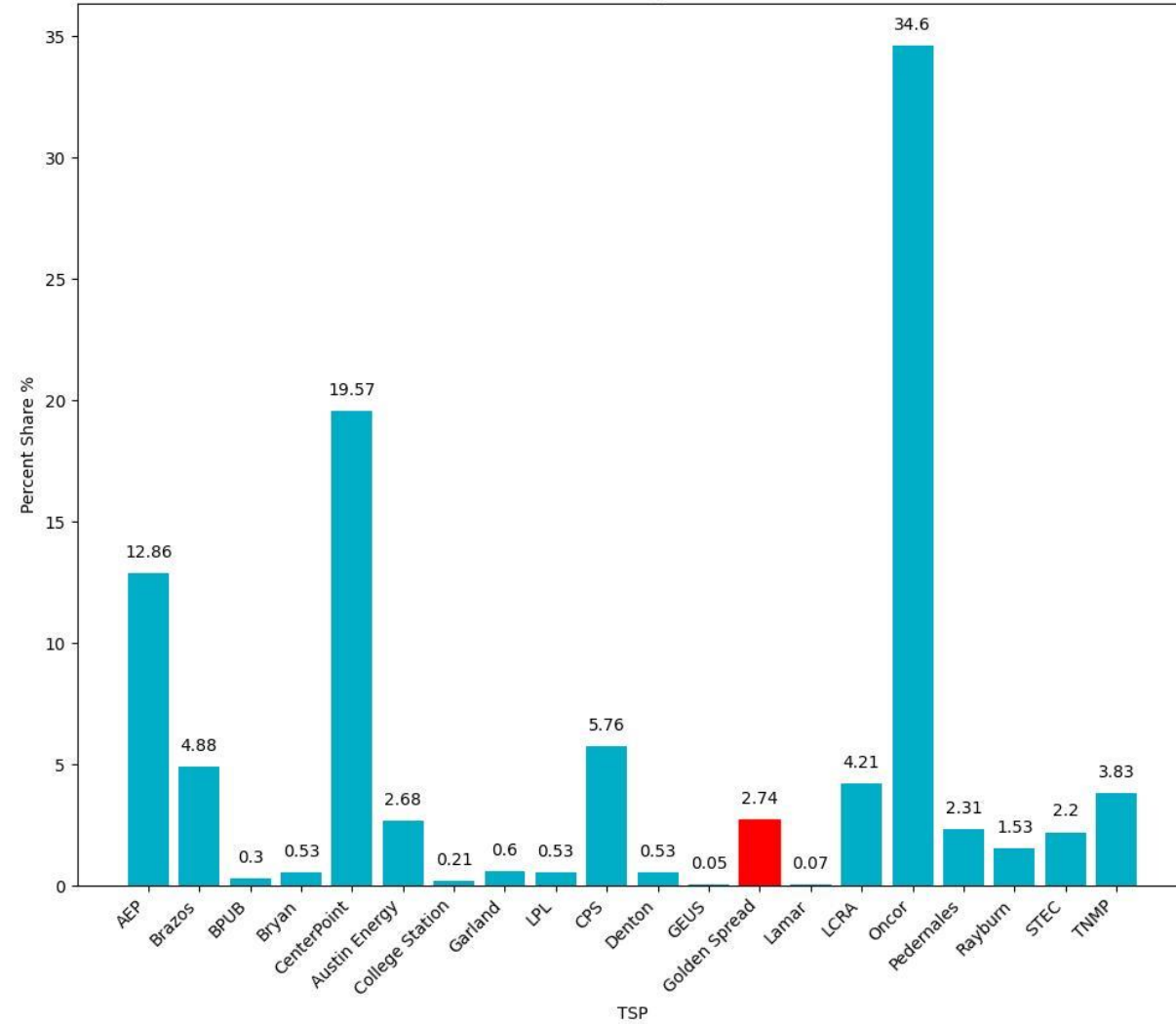
## VECL's not considered

Percent Share by TSP 2027



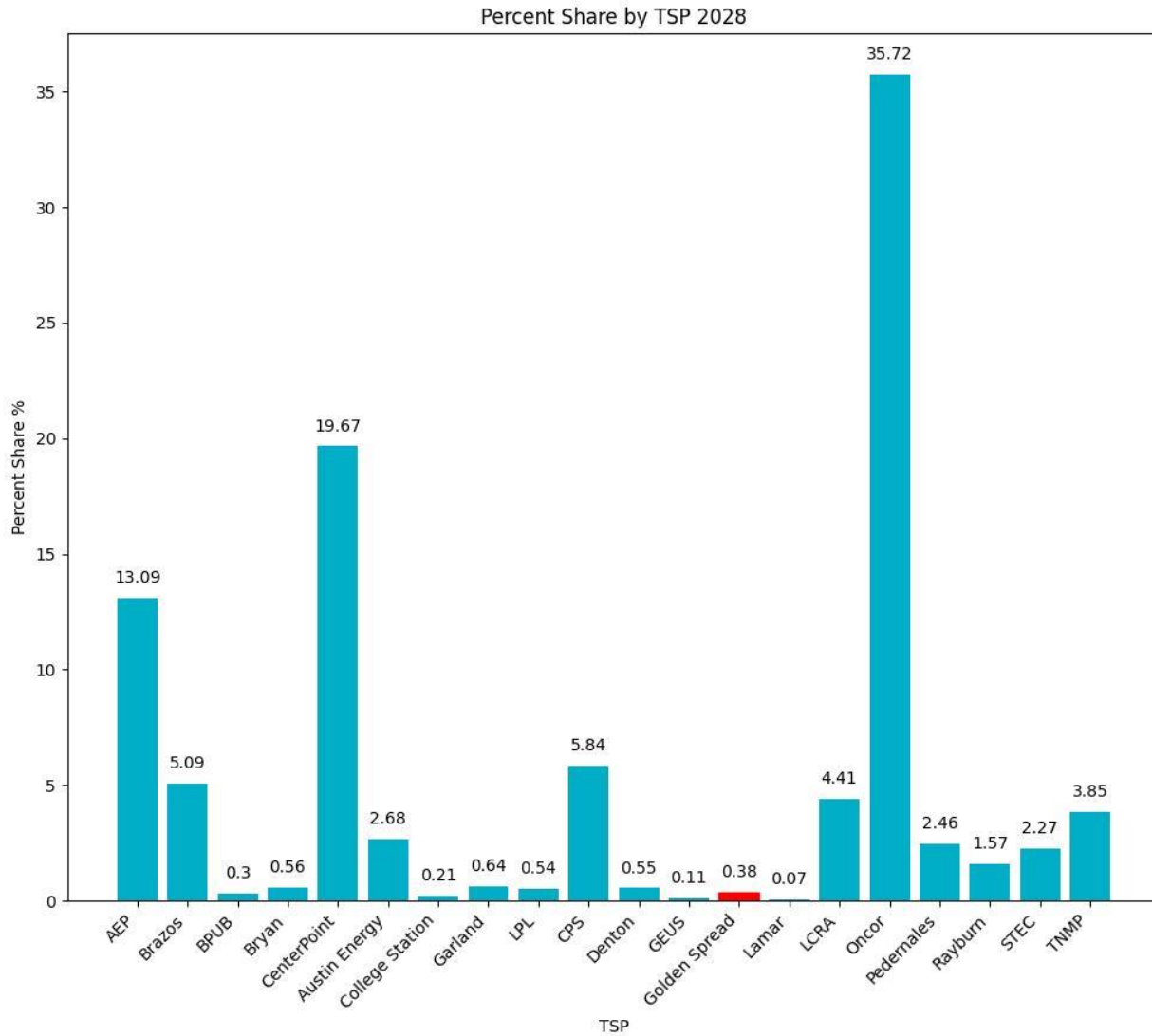
## VECL's considered

Percent Share by TSP 2027

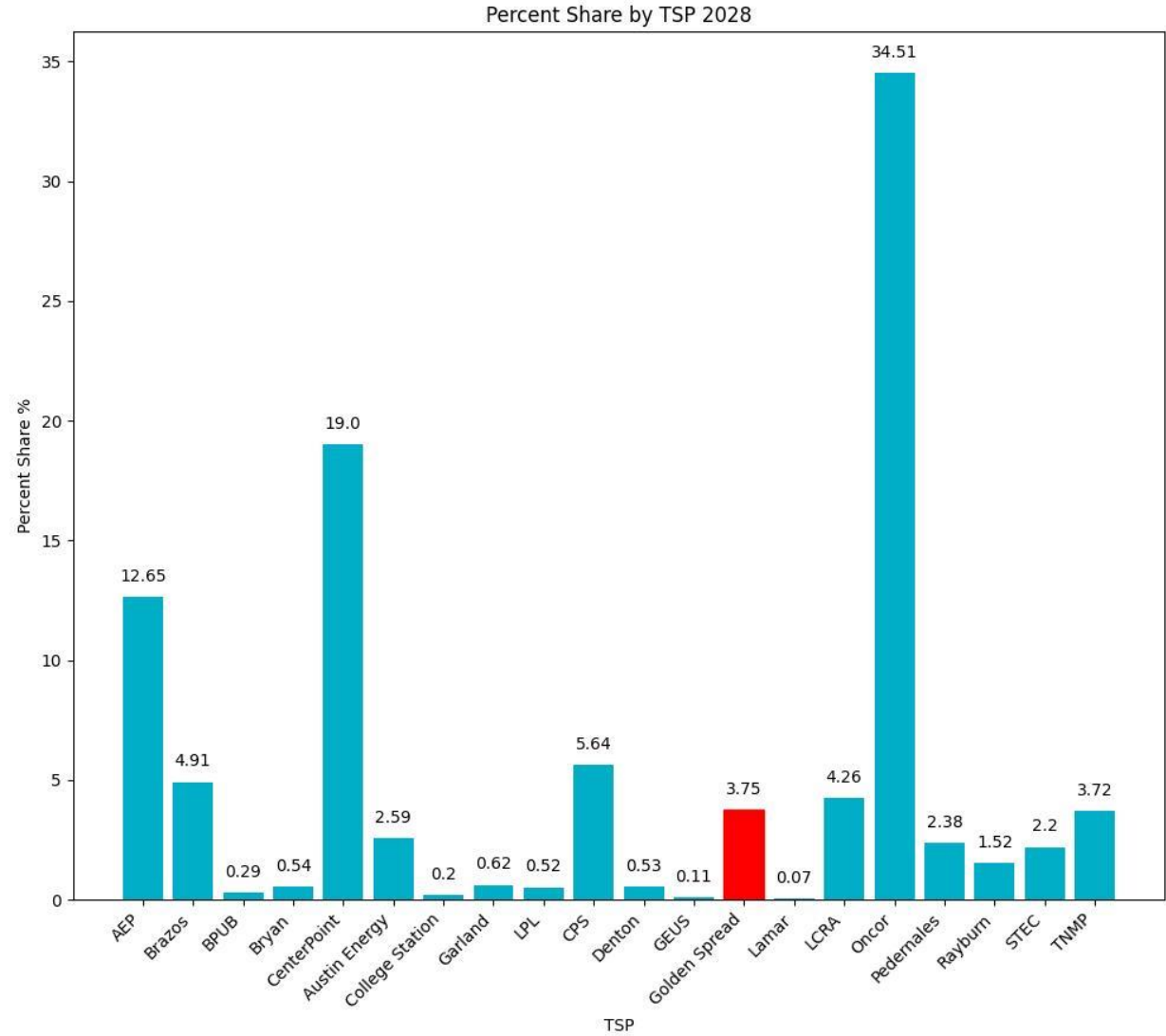


# 2028 Winter Load Shed Tables.

## VECL's not considered



## VECL's considered



# Questions?

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