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Empire District Electric (MISSOURI) Summary of Classifiers					
Classifier Description	Classifier Code	Total	- Demand	- Customer	- Commodity
External Classifiers					
Common	1				
Customer Factor	CUS	100.0%	0.0%	100.0%	0.0%
Demand Factor	DEM	100.0%	100.0%	0.0%	0.0%
Commodity Factor	COM	100.0%	0.0%	0.0%	100.0%
Poles and Fixtures	Poles	100.0%	58.0%	42.0%	0.0%
Overhead Lines	P-LINES	100.0%	70.9%	29.1%	0.0%
Underground Conduit	U-LINES	100.0%	54.4%	45.6%	0.0%
Underground Conductors and Devices	UD-LINES	100.0%	61.5%	38.5%	0.0%
Line Transformers	L-Transformers	100.0%	57.5%	42.5%	0.0%

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Account 364 -	oles and Fixtures
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Zero-Intercept Study					
X: Pole Size %, Y: LN (HW Adjusted Average Cost)					
X-Variable		0.041	5.45	Intercept	
X-Variable SE		0.00	0.22	Intercept SE	
R-Square		90.57%	0.35	Model SE	
F		143.99	15	df	
SumSq (reg)		17	2	SumSq (resid)	
X-Variable t-stat		12.00	24.52	Intercept t-stat	
Intercept	\$	232.99			
Reflects a Zero Foot Pole Cost					
Zero System Costs					
Total Pole Quantity		204,569			
Zero Pole Cost	\$	232.99			
Pole Costs	\$	47,662,317			
Other Costs	<u>\$</u> \$	122,399,883			
Total Zero System	\$	170,062,201			
Total System Costs	\$	404,765,017			
Zero-Intercept Result	-	42.0%			
zero intercept nesalt		.=.0,0			

Minimum System Study		
Min Pole (20') Avg. Cost	\$	372
Total Poles Quantity		204,569
Pole Costs	\$	76,146,273
Other Costs	\$	122,399,883
Total Minimum System	\$	198,546,157
Total System Costs	\$	404,765,017
Min-System Result		49.1%
Reflects customer-related portio	n of costs	

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### Account 365 - Overhead Conductors and Devices

### **Account 365 - Minimum System Study**

(w/ Handy Whitman Adjusted Costs)

Minimum Size System	
Min Cable Cost (ACSR, 6/1, 1/0) (\$ per Fo	\$ 2.14
Total Cable Quantity	80,583,470
Min Cable Cost	\$ 172,448,626
Minimum System Cost	\$ 172,448,626
Total System Costs	\$ 592,350,955
Min-System Result	29.1%
Deficient and an analysis of a second	

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Zero-Intercept Study					
X: Conduit Size %, Y: LN (HW Adjusted Average Cost)					
X-Variable		0.382	1.51	Intercept	
X-Variable SE		0.05	0.20	Intercept SE	
R-Square		94.51%	0.19	Model SE	
F		51.62	3	df	
SumSq (reg)		2	0	SumSq (resid)	
X-Variable t-stat		7.18	7.60	Intercept t-stat	
Intercept	\$	4.54			
Reflects a Zero Conduit Cost					
Zero System Costs					
Total Conduit Quantity		2,844,344			
Zero Conduit Cost	\$	4.54			
Conduit Costs	\$	12,913,753			
Other Costs	\$ \$ \$	24,222,570			
Total Zero System	\$	37,136,323			
Total System Costs	\$	81,510,706			
Zero-Intercept Result		45.6%			
Reflects customer-related portion					

Minimum System Study		
Min Conduit Avg. Cost	\$	7.43
Total Quantity		2,844,344
Conduit Costs	\$	21,130,639
Other Costs	\$	24,222,570
Total Minimum System	\$	45,353,209
Total System Costs	\$	81,510,706
Min-System Result	-	55.6%
Reflects customer-related portion	on of costs	

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### Account 367 - Undrground Conductors & Devices

### **Account 367 - Minimum System Study**

(w/ Handy Whitman Adjusted Costs)

Minimum Size System		
CABLE, AA, DB JCKTD CONC NEUTR, 1/0	\$	6.47
Total Cable Quantity		9,088,793
Min Cable Cost	\$	58,804,491
Minimum System Cost	\$	58,804,491
<u>Total System Costs</u>	\$	152,926,221
Min-System Result		38.5%
Reflects customer-related portion of cos	ts	

### Account 368 - Line Transformers

#### **Account 368 - Minimum System Study**

(w/ Handy Whitman Adjusted Costs)

Minimum Size System		
Min Size Transformer	\$	1,510.45
Total Quantity		94,465
Min Size Transfer Cost	\$	142,684,224
Other Costs	\$	366.15
Other Costs	\$	34,588,518
Minimum System Cost	\$	177,272,742
<u>Total System Costs</u>	\$	416,730,866
Min-System Result	1	42.5%
Deflects systemar related nortion of		

Reflects customer-related portion of costs