



Edward R. Wicker, Jr.  
Entergy Services, LLC  
504-576-3101 | ewicker@entergy.com  
639 Loyola Avenue, New Orleans, LA 70113

October 14, 2022

**Via Electronic Delivery**

Ms. Lora W. Johnson, CMC, LMMC  
Clerk of Council  
City Hall - Room 1E09  
1300 Perdido Street  
New Orleans, LA 70112

**Re: SYSTEM RESILIENCY AND STORM HARDENING  
Council Docket No. UD-21-03**

Dear Ms. Johnson:

Entergy New Orleans, LLC (“ENO” or the “Company”) makes this submission as required by Resolution 22-411 issued by the Council for the City of New Orleans (“Council”).

On July 1, 2022, the Company presented its Resiliency and Storm Hardening Filing consisting of various infrastructure resiliency and storm hardening projects for consideration by the Council and for discussion among the parties and key stakeholders. As part of its filing, the Company attached proposed distribution and transmission hardening projects (Exhibit A) and microgrid options (Exhibit B) as Highly Sensitive Protected Materials (“HSPM”).

Resolution 22-411 required, among other things, that the Company “re-submit its HSPM Exhibits with only specific information that must be designated HSPM redacted and provide summaries of those exhibits that can be disclosed to the public that contain sufficient detail for the community to be able to understand what those Exhibits contain and to respond to ENO’s proposals.” In compliance therewith, the Company hereby submits public versions of Exhibits A and B and the below summaries of the exhibits.

Exhibit A contains 890 resiliency and storm hardening projects across the Company’s distribution and transmission systems, involving more than 33,000 structures and nearly 650 line-miles, over a 10 year period. As discussed in the filing, these projects were identified through a comprehensive, resiliency-based planning approach, and are expected to decrease storm restoration costs, the number of customers impacted by outages from future storms, and the overall duration of outages over the next 50 years. Columns C, H, J, K, L, M, N, and S – which contain confidential operational information and commercially sensitive information – have been redacted.

Exhibit B contains potential microgrid projects powered by batteries and other sources to enhance resiliency in New Orleans, with planning-level details and a high-level discussion of their potential costs and benefits and the need to harden certain lines associated with the options. The

Company proposed these microgrid projects to begin a discussion regarding the benefits and challenges related to incorporating alternative technologies into a resiliency strategy for New Orleans. Certain confidential operational information and commercially sensitive information has been redacted.

As noted in its filing, ENO appreciates the opportunity to present the projects and looks forward to further discussions with all stakeholders to determine the best path forward for New Orleans while maintaining affordable energy rates for customers.

Sincerely,

A handwritten signature in blue ink, appearing to read "Edward R. Wicker, Jr.", with a long horizontal flourish extending to the right.

Edward R. Wicker, Jr.

ERW/ef

cc: Official Service List (UD-21-03)

# EXHIBIT A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)
2	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.886465							380	329	5.57	0		140
3	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.798994							12	12	0.81	0		140
4	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.756637							328	324	3.92	0		140
5	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030	3.480028							136	133	2.29	0		140
6	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2029	2.012887							27	27	0.43	0		140
7	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2029	1.460804							4	4	0.22	0		140
8	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	2.32706							226	217	3.91	0		140
9	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	2.268099							233	232	2.83	0		140
10	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.820137							155	155	2.23	0		140
11	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.652951							82	82	0.86	0		140
12	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.51416							154	151	5.17	0		140
13	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.486163							83	42	0.98	0		140
14	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.464713							54	54	1.39	0		140
15	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.418302							116	114	4.23	0		140
16	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.18021							145	144	2.10	0		140
17	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.06898							46	46	1.14	0		140
18	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.066399							162	162	2.65	0		140
19	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.060758							45	43	1.51	0		140
20	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.70741							74	73	1.67	0		140
21	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.599556							104	103	1.63	0		140
22	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.515424							75	70	1.12	0		140
23	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.490049							159	149	3.66	0		140
24	NO	Algiers		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.165133							79	79	1.50	0		140
25	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2024	2025	2.820279							115	114	2.22	0		140
26	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2026	2027	2.27489							320	314	8.13	0		140
27	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2026	2027	2.046356							184	146	3.73	0		140
28	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	3.752335							137	136	2.28	0		140
29	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	3.157838							195	188	3.14	0		140
30	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.909462							239	232	3.96	0		140
31	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.858494							40	39	0.95	0		140
32	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.747327							132	130	3.07	0		140
33	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.677774							117	111	2.92	0		140
34	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.670569							160	139	3.12	0		140
35	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.645313							182	161	3.66	0		140
36	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.636541							151	151	3.19	0		140
37	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.475281							177	176	4.04	0		140
38	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2027	2.396939							33	32	0.66	0		140
39	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	2.083304							273	256	4.18	0		140
40	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.997046							89	86	2.24	0		140
41	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.997038							148	143	4.21	0		140
42	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.844464							230	218	4.25	0		140
43	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.709371							177	176	3.05	0		140
44	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028	1.58675							151	121	3.57	0		140
45	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	3.552899							111	105	2.96	0		140
46	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	1.880806							136	136	2.80	0		140
47	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	1.762736							127	115	1.53	0		140
48	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	1.49109							153	153	3.06	0		140
49	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	1.486894							132	117	3.35	0		140
50	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029	1.282876							150	146	3.07	0		140
51	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030	3.219396							105	103	1.43	0		140
52	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030	2.36669							119	104	2.77	0		140
53	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030	2.209049							104	103	3.46	0		140
54	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030	1.55239							108	104	1.59	0		140
55	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	3.120055							103	99	2.13	0		140
56	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.480935							86	86	1.13	0		140
57	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.446478							107	106	2.08	0		140
58	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.335335							95	92	1.25	0		140
59	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.29594							98	97	3.48	0		140
60	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.262746							107	107	2.74	0		140
61	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031	1.151153							121	120	3.05	0		140
62	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.906882							48	47	0.99	0		140
63	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	2.040438							74	66	1.77	0		140
64	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.991386							67	65	1.64	0		140
65	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.93715							65	65	1.41	0		140
66	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.865648							91	89	1.70	0		140
67	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.774202							80	80	2.04	0		140
68	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.610431							53	53	0.99	0		140
69	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.600837							48	44	0.69	0		140
70	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.556494							95	93	1.63	0		140
71	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.503913							61	59	1.93	0		140
72	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.494052							55	55	0.99	0		140
73	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.415794							81	80	1.88	0		140
74	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.410445							69	67	0.93	0		140
75	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.323273							72	69	1.45	0		140
76	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.268436							71	67	1.35	0		140
77	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.2569							91	90	1.19	0		140
78	NO	East Orlea		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1.214428							73	72	0.98	0		140
79	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2024	2025	4.814559							296	288	5.79	0		140
80	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2024	2025	4.675802							381	364	7.09	0		140
81	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2025	2026	5.255872							240	226	4.42	0		140
82	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2025	2026	4.439301							264	253	4.17	0		140
83	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2025	2026	2.602865							259	249	6.46	0		140

# EXHIBIT A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Convertered to UG	Downstream Total Customers	Wind Zone (MPH)
92	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2026	2027		1.985788						222	222	3.25	0		140
93	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		5.025671						110	110	3.12	0		140
94	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		4.159451						190	174	3.74	0		140
95	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.524332						181	172	3.04	0		140
96	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.390032						171	169	3.33	0		140
97	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.358079						181	170	2.87	0		140
98	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.304802						203	202	3.39	0		140
99	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.092168						111	111	1.34	0		140
100	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		3.042936						168	162	3.37	0		140
101	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.970342						164	158	2.89	0		140
102	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.939994						172	167	2.09	0		140
103	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.882085						148	143	3.08	0		140
104	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.736168						121	111	2.38	0		140
105	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.678052						136	129	2.65	0		140
106	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.496929						147	145	4.21	0		140
107	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.411408						139	124	2.10	0		140
108	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.360051						207	202	4.01	0		140
109	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		2.027976						263	253	4.59	0		140
110	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.928838						107	86	1.43	0		140
111	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.848144						32	32	0.51	0		140
112	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.811858						165	146	3.64	0		140
113	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.660205						160	159	2.56	0		140
114	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.610798						161	161	2.41	0		140
115	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2027	2028		1.537995						179	176	3.26	0		140
116	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		4.255159						134	132	2.55	0		140
117	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		2.794014						152	150	3.18	0		140
118	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		2.636507						121	121	2.10	0		140
119	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		2.596533						107	107	1.22	0		140
120	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		1.834256						135	135	3.75	0		140
121	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		1.790386						102	100	1.49	0		140
122	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		1.760911						115	115	2.98	0		140
123	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2028	2029		1.752531						151	151	3.56	0		140
124	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		5.394531						129	122	1.91	0		140
125	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		3.902111						40	40	1.28	0		140
126	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		3.414774						120	117	3.42	0		140
127	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		3.402888						117	116	3.32	0		140
128	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		2.190219						128	117	2.58	0		140
129	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		1.918298						95	94	1.59	0		140
130	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		1.914653						90	87	3.19	0		140
131	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		1.790697						95	95	1.64	0		140
132	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2029	2030		1.428571						120	109	2.82	0		140
133	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		4.375939						76	74	0.81	0		140
134	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		3.169754						80	79	1.38	0		140
135	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.815521						112	106	2.92	0		140
136	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.781337						99	97	1.40	0		140
137	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.765673						88	86	1.42	0		140
138	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.653325						98	96	2.04	0		140
139	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.645937						119	116	2.31	0		140
140	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.338886						89	81	1.88	0		140
141	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.106714						105	105	1.70	0		140
142	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		2.077406						68	68	1.72	0		140
143	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		1.843331						97	97	1.57	0		140
144	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2030	2031		1.372658						80	79	1.59	0		140
145	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		4.693023						69	66	1.22	0		140
146	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		3.977563						76	75	2.58	0		140
147	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		3.67463						36	36	0.71	0		140
148	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		3.164763						61	57	1.42	0		140
149	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.638876						91	91	1.54	0		140
150	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.449928						58	56	1.08	0		140
151	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.376458						79	78	1.87	0		140
152	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.335099						49	49	0.93	0		140
153	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.315353						44	44	2.09	0		140
154	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.263309						46	46	0.83	0		140
155	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.217748						95	90	2.71	0		140
156	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.177131						81	74	1.96	0		140
157	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.053389						64	63	1.68	0		140
158	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.011784						85	85	1.44	0		140
159	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.010379						58	58	0.97	0		140
160	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		2.005461						56	53	1.16	0		140
161	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.787527						63	63	0.77	0		140
162	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.778371						75	75	2.73	0		140
163	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.762817						72	71	1.05	0		140
164	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.726624						50	47	1.23	0		140
165	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.717028						59	59	1.03	0		140
166	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.624817						57	53	1.31	0		140
167	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.619255						59	57	0.92	0		140
168	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.595588						46	42	0.82	0		140
169	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.549768						74	72	0.82	0		140
170	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.527333						50	47	0.78	0		140
171	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.505205						56	54	1.58	0		140
172	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.489086						124	121	2.67	0		140
173	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032		1.470258						49	49				

# EXHIBIT A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)
182	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1,246,245							78	76	1.93	0		140
183	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1,182,207							95	94	1.93	0		140
184	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1,167,871							74	74	1.70	0		140
185	NO	Orleans		Distribution Feeder Hardening-Rebuild	Rebuild	2031	2032	1,099,092							203	200	4.32	0		140
186	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,810,227							6	0	0.06	0.058367443		140
187	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,562,358							9	0	0.13	0.132524664		140
188	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,461,212							7	0	0.05	0.047428045		140
189	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2025	2025	0,845,788							3	0	0.01	0.01137311		140
190	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2029	2029	0,869,298							2	0	0.02	0.021045461		140
191	NO	Algiers		Lateral Hardening-OH to UG	OH to UG	2030	2030	4,186,462							4	0	0.04	0.041628801		140
192	NO	East Orle		Lateral Hardening-OH to UG	OH to UG	2029	2029	1,223,388							4	0	0.03	0.028185615		140
193	NO	East Orle		Lateral Hardening-OH to UG	OH to UG	2029	2029	0,879,937							3	0	0.02	0.022437507		140
194	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2024	2025	4,307,672							56	0	0.48	0.484519094		140
195	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2024	2025	3,999,348							40	0	0.32	0.324522831		140
196	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2024	2025	3,185,514							59	0	0.55	0.552183889		140
197	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2024	2025	2,417,739							42	0	0.36	0.359530418		140
198	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,696,971							3	0	0.01	0.006210229		140
199	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,348,567							5	0	0.03	0.034130693		140
200	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2025	2025	1,171,718							3	0	0.01	0.009250003		140
201	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2026	2027	1,537,604							31	0	0.25	0.252445157		140
202	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	2,113,365							21	0	0.16	0.164886416		140
203	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	2,011,134							12	0	0.08	0.080161011		140
204	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,991,319							5	0	0.04	0.036238648		140
205	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,794,588							4	0	0.03	0.028439403		140
206	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,780,446							12	0	0.08	0.08408336		140
207	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,627,141							10	0	0.10	0.097831471		140
208	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,551,142							12	0	0.10	0.103475412		140
209	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2027	2027	1,520,455							16	0	0.11	0.109888293		140
210	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2028	2028	2,448,086							14	0	0.10	0.101524654		140
211	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2029	2029	2,186,806							2	0	0.00	0.004393941		140
212	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2029	2029	1,413,838							9	0	0.07	0.073075781		140
213	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2029	2029	1,410,401							2	0	0.01	0.005143941		140
214	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2029	2029	1,243,221							2	0	0.00	0.004731062		140
215	NO	Orleans		Lateral Hardening-OH to UG	OH to UG	2032	2032	1,526,904							4	0	0.03	0.025662887		140
216	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2024	2024	3,119,458							38	10	0.26	0		140
217	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2025	2025	6,019,196							1	1	0.01	0		140
218	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2025	2025	3,306,204							1	1	0.01	0		140
219	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2026	2026	2,684,161							1	1	0.01	0		140
220	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2028	2028	4,489,074							12	12	0.10	0		140
221	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2028	2028	3,205,499							33	33	0.53	0		140
222	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2028	2028	1,619,699							31	31	0.56	0		140
223	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	6,954,373							23	23	0.60	0		140
224	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	5,503,925							30	29	0.39	0		140
225	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	4,488,585							17	17	0.35	0		140
226	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	3,879,554							10	10	0.18	0		140
227	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	3,224,741							16	16	0.29	0		140
228	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	2,862,743							32	32	0.32	0		140
229	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	2,837,292							2	2	0.06	0		140
230	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	2,554,579							34	34	1.11	0		140
231	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2030	2,439,178							63	63	0.64	0		140
232	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	2,355,388							1	1	0.00	0		140
233	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	1,889,853							41	41	0.78	0		140
234	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2029	2029	1,686,867							28	28	0.35	0		140
235	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	4,042,483							12	10	0.18	0		140
236	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	3,557,528							6	6	0.10	0		140
237	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,722,204							35	35	0.49	0		140
238	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,569,709							24	24	0.39	0		140
239	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,509,026							15	15	0.25	0		140
240	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,014,324							23	23	0.23	0		140
241	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,005,477							17	17	0.14	0		140
242	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,929,456							24	24	0.36	0		140
243	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,883,638							12	12	0.20	0		140
244	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,831,793							12	12	0.23	0		140
245	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,771,392							16	16	0.32	0		140
246	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,727,541							17	17	0.28	0		140
247	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,714,647							22	22	0.64	0		140
248	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,525,546							19	19	0.36	0		140
249	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,437,035							28	28	0.32	0		140
250	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	7,683,188							16	16	0.28	0		140
251	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	4,231,654							10	9	0.14	0		140
252	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	3,042,749							10	10	0.12	0		140
253	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,583,139							14	14	0.11	0		140
254	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,228,751							14	14	0.20	0		140
255	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,032,061							16	15	0.27	0		140
256	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,806,659							2	2	0.02	0		140
257	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,672,447							25	25	0.21	0		140
258	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,556,698							23	23	0.23	0		140
259	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,497,501							12	12	0.16	0		140
260	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,448,705							23	23	0.40	0		140
261	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,409,613							11	11	0.22	0		140
262	NO</																			

# EXHIBIT A

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Convertered to UG	Downstream Total Customers	Wind Zone (MPH)
272	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		3.379924						1	1	0.00	0		140
273	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.792024						1	1	0.01	0		140
274	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.64331						1	1	0.00	0		140
275	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.353864						8	8	0.17	0		140
276	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.317156						12	12	0.21	0		140
277	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.034633						10	10	0.16	0		140
278	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.959496						5	5	0.05	0		140
279	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.954041						6	6	0.11	0		140
280	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.891176						7	7	0.16	0		140
281	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.854416						11	11	0.17	0		140
282	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.792051						6	6	0.06	0		140
283	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.791454						5	5	0.11	0		140
284	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.735459						10	10	0.24	0		140
285	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.72851						2	1	0.00	0		140
286	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.629306						14	14	0.24	0		140
287	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.59862						16	16	0.17	0		140
288	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.554399						6	6	0.08	0		140
289	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.480522						4	4	0.08	0		140
290	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.480476						13	13	0.32	0		140
291	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.429307						11	11	0.42	0		140
292	NO	Algiers		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.267479						4	4	0.07	0		140
293	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2025	2025		2.491735						2	2	0.03	0		140
294	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2025	2025		1.641484						1	1	0.00	0		140
295	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2027		7.614307						1	1	0.00	0		140
296	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2028		4.847917						130	127	3.77	0		140
297	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2027		4.498065						2	2	0.00	0		140
298	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2027		3.143406						18	18	0.33	0		140
299	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2028		2.548789						76	74	1.16	0		140
300	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2028		2.342171						54	54	0.81	0		140
301	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2027	2027		2.217319						8	8	0.08	0		140
302	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2028	2029		2.433339						48	48	1.17	0		140
303	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2028	2028		2.312193						21	21	0.22	0		140
304	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		6.239637						39	39	0.62	0		140
305	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2030		4.674744						86	86	2.27	0		140
306	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		4.446798						19	19	0.23	0		140
307	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.902092						35	31	0.40	0		140
308	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.872262						40	39	0.56	0		140
309	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.768777						34	32	0.44	0		140
310	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.725833						32	32	0.59	0		140
311	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.615675						28	27	0.43	0		140
312	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.612512						25	25	0.34	0		140
313	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.57178						22	22	0.31	0		140
314	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.5424						31	30	0.38	0		140
315	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.39548						5	5	0.10	0		140
316	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.281704						34	34	0.57	0		140
317	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.265081						33	33	0.48	0		140
318	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.187116						22	22	0.42	0		140
319	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.164411						39	39	0.67	0		140
320	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.054285						20	20	0.54	0		140
321	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.01239						37	37	0.71	0		140
322	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.992398						38	38	0.69	0		140
323	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.968445						26	24	0.35	0		140
324	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.935521						43	43	0.58	0		140
325	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.884341						42	42	0.42	0		140
326	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.879195						63	63	0.92	0		140
327	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.878768						37	36	0.34	0		140
328	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.76725						41	41	0.63	0		140
329	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.758667						26	26	0.32	0		140
330	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.726206						24	24	0.47	0		140
331	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.687689						35	35	0.61	0		140
332	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.681984						32	32	0.32	0		140
333	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.638835						28	28	0.32	0		140
334	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.604378						42	42	0.70	0		140
335	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.602892						17	17	0.31	0		140
336	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.452571						13	13	0.27	0		140
337	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		10.94392						11	4	0.19	0		140
338	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.120054						28	28	0.45	0		140
339	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.03191						22	21	0.32	0		140
340	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.92414						18	18	0.31	0		140
341	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.494742						22	22	0.30	0		140
342	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.468281						15	15	0.21	0		140
343	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.376172						24	24	0.46	0		140
344	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.327269						28	28	0.49	0		140
345	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.205344						13	13	0.34	0		140
346	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.186656						14	14	0.24	0		140
347	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.062685						20	20	0.40	0		140
348	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.052236						21	20	0.26	0		140
349	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.04382						21	21	0.39	0		140
350	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.962581						17	17	0.35	0		140
351	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.849543						16	16	0.25	0		140
352	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.829493						17	17	0.29	0		140
353	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.811603						17	17	0.18	0		140
354	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.731949						20	20	0.34	0		140
355	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2														

# EXHIBIT A

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)
362	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.578983						26	25	0.33	0		140
363	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.576772						24	24	0.41	0		140
364	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.542926						18	18	0.28	0		140
365	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.50384						18	18	0.31	0		140
366	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.478223						23	23	0.34	0		140
367	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.439213						22	22	0.21	0		140
368	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.429741						24	24	0.38	0		140
369	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.411732						23	23	0.38	0		140
370	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.409381						17	17	0.18	0		140
371	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.391387						20	20	0.30	0		140
372	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.37625						18	18	0.29	0		140
373	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2030	2030		1.372329						18	18	0.20	0		140
374	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		7.615055						10	10	0.13	0		140
375	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		3.227104						17	17	0.33	0		140
376	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		3.172886						9	9	0.15	0		140
377	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		3.041519						15	15	0.23	0		140
378	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.942828						20	20	0.47	0		140
379	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.651634						11	11	0.17	0		140
380	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.469384						16	16	0.21	0		140
381	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.465582						15	15	0.20	0		140
382	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.350648						14	14	0.18	0		140
383	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.32621						14	14	0.21	0		140
384	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.295941						20	20	0.41	0		140
385	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.186276						14	14	0.17	0		140
386	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.178488						12	12	0.18	0		140
387	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.177464						19	19	0.36	0		140
388	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.156091						19	19	0.41	0		140
389	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.144304						19	19	0.33	0		140
390	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.07845						19	19	0.35	0		140
391	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.05875						16	16	0.29	0		140
392	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.057674						17	17	0.30	0		140
393	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		2.024214						11	11	0.15	0		140
394	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.987819						11	11	0.11	0		140
395	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.930583						21	21	0.48	0		140
396	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.909889						14	14	0.26	0		140
397	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.769139						13	13	0.18	0		140
398	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.70954						18	18	0.24	0		140
399	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.700208						12	11	0.18	0		140
400	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.657287						13	13	0.19	0		140
401	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.635528						18	18	0.42	0		140
402	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.631045						14	14	0.16	0		140
403	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.623419						17	16	0.26	0		140
404	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.609194						13	13	0.21	0		140
405	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.591105						13	13	0.22	0		140
406	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.575935						19	19	0.35	0		140
407	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.536382						15	15	0.23	0		140
408	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.510945						12	12	0.23	0		140
409	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.482901						13	13	0.25	0		140
410	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.461796						13	13	0.19	0		140
411	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.459638						14	14	0.23	0		140
412	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.442939						14	14	0.21	0		140
413	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.437937						16	16	0.21	0		140
414	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.435482						13	13	0.23	0		140
415	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.431647						17	17	0.26	0		140
416	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.420567						18	18	0.26	0		140
417	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.40918						16	16	0.20	0		140
418	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.396699						17	17	0.33	0		140
419	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.39594						21	21	0.50	0		140
420	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.371869						19	19	0.24	0		140
421	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.368365						17	17	0.37	0		140
422	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.367792						15	13	0.18	0		140
423	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.35738						18	18	0.31	0		140
424	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2031	2031		1.337551						19	19	0.35	0		140
425	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		13.06127						7	7	0.06	0		140
426	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		8.755246						6	6	0.18	0		140
427	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.626177						11	11	0.13	0		140
428	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.428626						5	5	0.10	0		140
429	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.367543						7	7	0.11	0		140
430	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.358988						10	10	0.19	0		140
431	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.349275						14	14	0.24	0		140
432	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.306323						8	8	0.12	0		140
433	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.296434						7	7	0.16	0		140
434	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.101023						8	8	0.11	0		140
435	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.098735						6	6	0.10	0		140
436	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.019751						3	2	0.01	0		140
437	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		2.006271						9	7	0.21	0		140
438	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.98219						10	10	0.12	0		140
439	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.949272						12	12	0.21	0		140
440	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.888437						6	6	0.08	0		140
441	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.80443						10	10	0.16	0		140
442	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.749617						6	6	0.14	0		140
443	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.697027						6	6	0.14	0		140
444	NO	East Orlea		Lateral Hardening-Rebuild	Rebuild	2032	2032		1.653977											





# EXHIBIT A

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)
542	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.550762						34	32	0.59	0		140
543	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.519424						38	38	0.43	0		140
544	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.45251						40	40	0.56	0		140
545	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		2.445099						60	60	0.82	0		140
546	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.416385						38	38	0.62	0		140
547	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.37812						32	32	0.67	0		140
548	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.368801						23	23	0.28	0		140
549	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.368684						34	34	0.70	0		140
550	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.335706						32	32	0.43	0		140
551	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.306666						4	4	0.04	0		140
552	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.272205						26	26	0.29	0		140
553	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.257915						35	35	0.29	0		140
554	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.222989						31	31	0.41	0		140
555	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.180355						41	41	0.74	0		140
556	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.165739						36	30	0.31	0		140
557	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		2.158333						37	37	0.44	0		140
558	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.126628						23	20	0.24	0		140
559	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.107771						33	33	0.41	0		140
560	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		2.106495						77	71	1.22	0		140
561	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.103783						24	24	0.12	0		140
562	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.087435						39	39	0.37	0		140
563	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.046352						25	25	0.34	0		140
564	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.037078						28	27	0.61	0		140
565	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		2.025797						38	38	0.58	0		140
566	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.996996						25	25	0.33	0		140
567	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.991748						26	26	0.29	0		140
568	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.991434						37	35	0.63	0		140
569	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.979007						49	49	0.52	0		140
570	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.967852						24	24	0.38	0		140
571	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.960652						27	27	0.39	0		140
572	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.92164						41	41	0.74	0		140
573	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.912533						25	25	0.20	0		140
574	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.910542						33	32	0.56	0		140
575	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.887398						23	23	0.28	0		140
576	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.877465						18	18	0.20	0		140
577	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.864471						23	22	0.18	0		140
578	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.838139						34	34	0.57	0		140
579	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.82768						27	27	0.38	0		140
580	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.8167						28	28	0.48	0		140
581	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.811736						28	28	0.40	0		140
582	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.807158						19	19	0.27	0		140
583	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.800897						38	38	0.69	0		140
584	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.760598						36	36	0.80	0		140
585	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.753433						23	23	0.23	0		140
586	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.741342						22	22	0.16	0		140
587	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.732901						25	25	0.48	0		140
588	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.728662						38	38	0.51	0		140
589	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.709898						2	2	0.04	0		140
590	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.695652						32	30	0.28	0		140
591	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.694891						36	36	0.61	0		140
592	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.676228						40	37	0.40	0		140
593	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.666168						14	14	0.20	0		140
594	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.657134						24	24	0.33	0		140
595	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.650124						38	38	0.29	0		140
596	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.649105						40	40	0.74	0		140
597	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.647341						41	41	0.48	0		140
598	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.620656						33	33	0.54	0		140
599	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.619523						27	27	0.32	0		140
600	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.609354						32	32	0.55	0		140
601	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.549576						23	23	0.30	0		140
602	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.535495						25	25	0.29	0		140
603	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.500544						28	28	0.51	0		140
604	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.482833						32	32	0.40	0		140
605	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.472882						30	30	0.43	0		140
606	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.458752						4	4	0.09	0		140
607	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.429917						23	23	0.31	0		140
608	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.428288						28	28	0.24	0		140
609	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2030		1.424254						27	27	0.32	0		140
610	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.40706						30	29	0.49	0		140
611	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2029	2029		1.309669						10	10	0.08	0		140
612	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		6.477557						22	22	0.44	0		140
613	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		5.013414						21	21	0.27	0		140
614	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		4.396023						23	23	0.22	0		140
615	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		4.359053						20	20	0.19	0		140
616	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.759145						23	23	0.35	0		140
617	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.705136						15	15	0.16	0		140
618	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.554536						16	16	0.37	0		140
619	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.263357						21	21	0.91	0		140
620	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.078302						27	27	0.40	0		140
621	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		3.058758						24	24	0.38	0		140
622	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.927024						18	18	0.22	0		140
623	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.616447						13	13	0.15	0		140
624	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.551124						19	19	0.62	0		140
625	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030		2.53774	</										

# EXHIBIT A

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)
632	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,334833							25	24	0.43	0		140
633	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,332673							20	20	0.25	0		140
634	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,277205							18	18	0.19	0		140
635	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,258483							27	27	0.43	0		140
636	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,242616							27	27	0.38	0		140
637	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,218539							15	11	0.19	0		140
638	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,177759							13	13	0.11	0		140
639	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,173636							27	27	0.50	0		140
640	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,172958							17	15	0.42	0		140
641	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,149877							12	12	0.15	0		140
642	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,111193							23	23	0.33	0		140
643	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,080537							17	17	0.23	0		140
644	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,078362							20	20	0.19	0		140
645	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,073614							22	22	0.23	0		140
646	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,045347							23	22	0.49	0		140
647	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,040858							27	27	0.34	0		140
648	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	2,004561							26	26	0.42	0		140
649	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,993306							29	29	0.44	0		140
650	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,976767							26	26	0.34	0		140
651	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,972627							28	28	0.36	0		140
652	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,964682							18	18	0.37	0		140
653	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,964344							18	18	0.24	0		140
654	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,962387							20	20	0.36	0		140
655	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,961028							24	23	0.46	0		140
656	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,948556							23	22	0.35	0		140
657	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,939934							21	21	0.43	0		140
658	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,939391							21	21	0.29	0		140
659	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,938729							23	23	0.44	0		140
660	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,933144							18	18	0.25	0		140
661	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,903103							21	21	0.32	0		140
662	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,866166							15	15	0.12	0		140
663	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,8554							17	17	0.13	0		140
664	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,854824							27	27	0.28	0		140
665	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,825459							18	18	0.36	0		140
666	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,798726							23	23	0.36	0		140
667	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,788433							22	22	0.38	0		140
668	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,784986							22	22	0.20	0		140
669	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,771652							18	18	0.28	0		140
670	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,741602							18	18	0.31	0		140
671	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,727245							16	16	0.33	0		140
672	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,713953							20	20	0.21	0		140
673	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,713111							18	18	0.21	0		140
674	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,709737							23	23	0.34	0		140
675	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,70267							26	26	0.52	0		140
676	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,693288							18	18	0.32	0		140
677	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,666254							12	12	0.11	0		140
678	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,648504							13	13	0.16	0		140
679	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,640856							28	27	0.42	0		140
680	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,638919							23	23	0.34	0		140
681	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,637987							19	19	0.14	0		140
682	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,620437							18	15	0.18	0		140
683	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,617918							21	20	0.43	0		140
684	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,611571							26	26	0.42	0		140
685	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,609591							17	17	0.21	0		140
686	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,597192							16	16	0.16	0		140
687	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,588851							16	16	0.16	0		140
688	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,572019							21	20	0.39	0		140
689	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,568915							19	19	0.10	0		140
690	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,553419							13	13	0.10	0		140
691	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,55325							14	14	0.53	0		140
692	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,550844							15	15	0.20	0		140
693	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,543184							13	13	0.24	0		140
694	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,542881							22	22	0.49	0		140
695	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,517766							26	26	0.34	0		140
696	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,513879							23	23	0.28	0		140
697	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,511198							21	21	0.27	0		140
698	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,510962							19	19	0.28	0		140
699	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,501492							28	28	0.42	0		140
700	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,476347							19	19	0.34	0		140
701	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,458838							16	16	0.16	0		140
702	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,452395							23	22	0.42	0		140
703	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,44186							22	22	0.46	0		140
704	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,436032							21	21	0.53	0		140
705	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,432882							14	14	0.17	0		140
706	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,42213							26	26	0.46	0		140
707	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,417197							18	15	0.35	0		140
708	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,416352							18	18	0.19	0		140
709	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,41015							26	26	0.37	0		140
710	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,391384							20	20	0.37	0		140
711	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,37271							9	9	0.10	0		140
712	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2030	2030	1,340001							14	14	0.21	0		140
713	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	6,358753							12	12	0.19	0		140
714	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	5,075004							14	14	0.17	0		140

# EXHIBIT A

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Convertered to UG	Downstream Total Customers	Wind Zone (MPH)
722	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,567,443							19	19	0.27	0		140
723	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,565,756							14	14	0.20	0		140
724	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,550,077							10	10	0.15	0		140
725	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,517,562							12	12	0.16	0		140
726	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,440,303							13	13	0.16	0		140
727	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,434,675							15	14	0.29	0		140
728	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,358,074							17	17	0.22	0		140
729	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,315,515							14	14	0.24	0		140
730	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,294,557							14	14	0.33	0		140
731	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,179,172							12	12	0.22	0		140
732	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,178,433							10	10	0.10	0		140
733	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,177,307							13	13	0.13	0		140
734	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,166,934							9	9	0.16	0		140
735	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,135,458							14	14	0.28	0		140
736	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,099,938							18	18	0.35	0		140
737	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,079,769							15	12	0.15	0		140
738	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,045,534							15	15	0.31	0		140
739	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,015,179							11	11	0.25	0		140
740	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,013,067							13	13	0.09	0		140
741	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	2,010,255							11	11	0.15	0		140
742	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,984,955							15	14	0.18	0		140
743	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,969,842							15	15	0.21	0		140
744	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,948,177							18	18	0.34	0		140
745	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,927,676							13	13	0.21	0		140
746	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,926,219							11	11	0.20	0		140
747	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,887,236							17	17	0.34	0		140
748	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,873,644							8	8	0.09	0		140
749	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,865,736							15	15	0.27	0		140
750	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,858,256							9	9	0.15	0		140
751	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,823,788							16	16	0.24	0		140
752	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,807,944							15	14	0.22	0		140
753	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,747,095							14	14	0.22	0		140
754	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,722,536							12	12	0.18	0		140
755	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,722,257							11	11	0.31	0		140
756	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,705,655							13	13	0.28	0		140
757	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,680,332							13	13	0.18	0		140
758	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,679,291							13	13	0.20	0		140
759	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,650,845							21	21	0.33	0		140
760	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,650,017							12	12	0.26	0		140
761	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,640,936							11	11	0.15	0		140
762	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,639,372							3	3	0.00	0		140
763	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,633,548							18	18	0.31	0		140
764	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,628,431							9	9	0.06	0		140
765	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,626,695							16	16	0.20	0		140
766	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,625,651							14	14	0.19	0		140
767	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,623,245							13	11	0.21	0		140
768	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,621,173							13	13	0.14	0		140
769	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,620,211							13	13	0.26	0		140
770	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,617,709							16	16	0.31	0		140
771	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,617,519							17	17	0.13	0		140
772	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,616,786							19	19	0.34	0		140
773	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,612,289							11	11	0.11	0		140
774	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,611,899							13	7	0.13	0		140
775	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,600,468							7	7	0.14	0		140
776	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,556,038							15	15	0.28	0		140
777	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,554,957							16	16	0.22	0		140
778	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,554,371							12	12	0.21	0		140
779	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,529,153							18	18	0.20	0		140
780	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,525,904							9	9	0.17	0		140
781	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,517,628							14	14	0.24	0		140
782	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,493,165							13	13	0.24	0		140
783	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,488,695							17	17	0.30	0		140
784	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,479,777							17	17	0.23	0		140
785	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,474,112							13	13	0.27	0		140
786	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,465,699							11	11	0.19	0		140
787	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,464,119							9	9	0.09	0		140
788	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,456,012							14	14	0.22	0		140
789	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,451,511							12	12	0.13	0		140
790	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,448,622							13	13	0.13	0		140
791	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,438,623							10	10	0.11	0		140
792	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,427,998							13	13	0.08	0		140
793	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,420,036							10	10	0.09	0		140
794	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,409,811							14	14	0.27	0		140
795	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,399,719							14	14	0.26	0		140
796	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,397,351							14	14	0.53	0		140
797	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,387,044							17	17	0.19	0		140
798	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,382,002							14	14	0.26	0		140
799	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,373,379							15	15	0.32	0		140
800	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,356,705							18	18	0.44	0		140
801	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,342,266							11	11	0.27	0		140
802	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,336,697							18	18	0.32	0		140
803	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1,329,906							12	12	0.13	0		140
804	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2031	2031	1												

# EXHIBIT A

A		B		C		D		E		F		G		H		I		J		K		L		M		N		O		P		Q		R		S		T	
1	OpCo	Local Office	Sub-system ID	Program Name	Project Type	Project Start Year	Project End Year	Investment (Nominal)	BCR	50-yr CMI Benefits Weighted	50-yr PV Total Dollars Benefits Weighted	50-yr PV CMI Dollars Benefits Weighted	50-yr PV Restoration Dollars Benefits Weighted	Circuit	Total Line Structures	Structures to be Hardened	Total Line Miles	OH Miles to be Converted to UG	Downstream Total Customers	Wind Zone (MPH)																			
812	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	4,050,284							4	3	0.04	0		140																			
813	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	3,442,104							12	12	0.15	0		140																			
814	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	3,420,698							9	9	0.10	0		140																			
815	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	3,098,188							7	7	0.07	0		140																			
816	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	3,017,029							5	5	0.09	0		140																			
817	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,605,562							8	8	0.17	0		140																			
818	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,577,314							10	10	0.12	0		140																			
819	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,519,142							7	7	0.10	0		140																			
820	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,506,127							10	10	0.11	0		140																			
821	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,450,548							6	6	0.09	0		140																			
822	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,303,13							6	6	0.09	0		140																			
823	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,199,946							10	10	0.12	0		140																			
824	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,151,307							15	15	0.19	0		140																			
825	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,122,251							6	6	0.19	0		140																			
826	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,060,198							7	7	0.67	0		140																			
827	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,039,144							9	9	0.16	0		140																			
828	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	2,003,791							7	7	0.18	0		140																			
829	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,989,238							4	4	0.07	0		140																			
830	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,919,638							6	6	0.09	0		140																			
831	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,869,964							6	6	0.05	0		140																			
832	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,866,328							8	8	0.14	0		140																			
833	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,817,887							6	6	0.08	0		140																			
834	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,766,559							5	5	0.09	0		140																			
835	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,760,653							9	9	0.07	0		140																			
836	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,752,943							9	9	0.13	0		140																			
837	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,730,781							10	10	0.12	0		140																			
838	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,724,986							9	9	0.12	0		140																			
839	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,724,905							6	6	0.10	0		140																			
840	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,683,407							7	7	0.06	0		140																			
841	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,646,691							8	8	0.17	0		140																			
842	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,614,512							10	10	0.10	0		140																			
843	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,570,577							10	10	0.15	0		140																			
844	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,570,125							10	10	0.16	0		140																			
845	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,564,232							11	11	0.19	0		140																			
846	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,561,844							5	5	0.02	0		140																			
847	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,545,756							11	10	0.12	0		140																			
848	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,525,444							8	8	0.12	0		140																			
849	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,523,764							6	6	0.07	0		140																			
850	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,521,117							6	6	0.07	0		140																			
851	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,517,302							8	8	0.04	0		140																			
852	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,500,858							7	7	0.12	0		140																			
853	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,483,788							8	8	0.10	0		140																			
854	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,471,753							7	7	0.07	0		140																			
855	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,461,396							8	8	0.16	0		140																			
856	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,453,355							6	6	0.12	0		140																			
857	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,450,011							12	12	0.26	0		140																			
858	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,441,457							7	7	0.13	0		140																			
859	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,430,858							7	7	0.08	0		140																			
860	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,425,241							7	7	0.16	0		140																			
861	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,424,142							12	12	0.21	0		140																			
862	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,419,077							10	10	0.16	0		140																			
863	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,417,751							11	11	0.26	0		140																			
864	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,405,09							13	13	0.32	0		140																			
865	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,398,751							10	10	0.12	0		140																			
866	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,394,009							12	12	0.24	0		140																			
867	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,378,756							8	8	0.12	0		140																			
868	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,375,811							8	8	0.10	0		140																			
869	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,374,486							13	12	0.28	0		140																			
870	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,371,292							6	6	0.05	0		140																			
871	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,364,457							10	10	0.17	0		140																			
872	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,363,611							16	16	0.28	0		140																			
873	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,351,487							8	8	0.06	0		140																			
874	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,340,361							8	7	0.07	0		140																			
875	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,333,572							10	10	0.21	0		140																			
876	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,331,684							7	7	0.07	0		140																			
877	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,331,121							10	10	0.22	0		140																			
878	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,320,736							12	12	0.20	0		140																			
879	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,310,639							11	11	0.08	0		140																			
880	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,307,026							9	9	0.16	0		140																			
881	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,305,947							10	10	0.23	0		140																			
882	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,305,884							12	12	0.15	0		140																			
883	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,288,452							12	12	0.11	0		140																			
884	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,284,842							11	10	0.13	0		140																			
885	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,281,824							7	7	0.12	0		140																			
886	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,276,515							14	14	0.26	0		140																			
887	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,274,649							11	11	0.22	0		140																			
888	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,244,411							11	11	0.20	0		140																			
889	NO	Orleans		Lateral Hardening-Rebuild	Rebuild	2032	2032	1,236,459							8	8	0.18	0		140																			
890	NO			Transmission Rebuild	Rebuild	2027	2029	3,230,177							150	97	23.36	0		140																			
891	NO			Transmission Rebuild	Rebuild	2030	2031	1,533,807							21	19	0.93	0		140																			
892	Total							\$1,276,288,637		8,345,610,644	\$2,595,538,316.68	\$2,133,012,627	\$461,294,948.20		34,714	33,189	649.42	3.30531924																					

**MICROGRID OPTIONS**

**The Broad Street (or Derbigny) Microgrid:** This microgrid is proposed to serve all [REDACTED] customers on Feeder [REDACTED] connected to the Derbigny 230 kV substation, including a drainage pumping station and the Odyssey House assisted living facility. One potential design involves a 6.5 MW, 26 MWh battery to provide power to customers on the feeder should the power source from the transmission system to the substation be disrupted. At peak load, the microgrid is estimated to restore power for a maximum period of 4 hours. The capital cost of the battery, and hardening the feeder, is estimated at approximately \$ [REDACTED], with the present value of the fixed and variable costs estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this microgrid is approximately \$ [REDACTED].

Alternatively, the microgrid could be anchored by a 6.5 MW natural gas fired generator or a hybrid 6.5 MW natural gas generator coupled with a 6.5 MW, 13 MWh battery. The natural gas generator in either design adds the assurance of a dispatchable generator, so long as the natural gas supply can be maintained after a weather event. The capital cost of the natural gas generator, and hardening the feeder, is estimated at approximately \$ [REDACTED], with the present value of the variable costs of the natural gas generator estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this microgrid option is approximately \$ [REDACTED]. As for the hybrid generator-and-battery option, at peak load, the battery incorporated in this microgrid is estimated to restore power for a maximum period of 2 hours, after which the generator would have to be started to continue providing electric service to the targeted load. The capital cost of the hybrid, with the hardening, is estimated at approximately \$ [REDACTED], with the present value of the variable costs estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this option is approximately \$ [REDACTED].

**The Carrolton Avenue (or Joliet) Microgrid:** This microgrid is proposed to serve all [REDACTED] customers on Feeder [REDACTED] connected to the Joliet 230 kV substation, including the Christopher Homes assisted living facility. One potential design involves a 12.5 MW, 50 MWh battery to island the feeder and restore power to the load should the power source from the transmission system to the substation be disrupted. At peak load, the microgrid is estimated to restore power for a maximum period of 4 hours. The capital cost of the battery, and hardening the feeder, is estimated at approximately \$ [REDACTED], with the present value of the fixed and variable costs estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this microgrid is approximately \$ [REDACTED].

Alternatively, the microgrid could be anchored by a 12.5 MW natural gas fired generator or a hybrid 12.5 MW natural gas generator coupled with a 12.5 MW, 25 MWh battery. The natural gas generator in either design adds the assurance of a dispatchable generator, so long as the natural gas supply can be maintained after a weather event. The capital cost of the natural gas generator, and hardening the feeder, is estimated at approximately \$ [REDACTED], with the present value of the variable costs estimated at approximately \$ [REDACTED].

██████████. The present value of the benefits associated with this microgrid option is estimated at approximately \$██████████. As for the hybrid generator-and-battery option, at peak load, the battery incorporated in this microgrid is estimated to restore power for a maximum period of 2 hours, after which the generator would have to be started to continue providing electric service to the targeted load. The capital cost of the hybrid, with the hardening, is estimated at approximately \$██████████, with the present value of the variable costs estimated at approximately \$██████████. The present value of the estimated benefits associated with this hybrid microgrid is approximately \$██████████.

**The Spain Street (or Almonaster) Microgrid:** This microgrid is proposed to serve all ██████████ customers on Feeder ██████████ connected to the Almonaster 230 kV substation, including the Annunciation Inn assisted living facility. The Company's proposed design involves a 14.5 MW, 58 MWh battery to island the feeder and restore power to the load should the power source from the transmission system to the substation be disrupted. At peak load, the microgrid is estimated to restore power for a maximum period of 4 hours. The cost of the battery, and hardening the feeder, is estimated at approximately \$██████████, with the present value of the fixed and variable costs estimated at approximately \$██████████. The present value of the estimated benefits associated with this hybrid microgrid is approximately \$██████████.

**The Charbonnet Street (or Tricou) Microgrid:** This microgrid is proposed to serve all ██████████ customers on Feeder ██████████ connected to the Tricou 230 kV substation, including the Rising Sun Homes assisted living facility. The Company's proposed design involves an 8 MW, 32 MWh battery to island the feeder and restore power to the load should the power source from the transmission system to the substation be disrupted. At peak load, the microgrid is estimated to restore power for a maximum period of 4 hours. The cost of the battery, and hardening the feeder, is estimated at approximately \$██████████, with the present value of the fixed and variable costs estimated at approximately \$██████████. The present value of the estimated benefits associated with this microgrid is approximately \$██████████.

**The Keating Drive (or Lower Coast) Microgrid:** This microgrid is proposed to serve all ██████████ customers on Feeder ██████████ connected to the Lower Coast 230 kV substation, including critical communication equipment operated by AT&T. One potential design involves a microgrid anchored by a 13.5 MW, 54 MWh energy storage device to restore power to the load. At peak load, the microgrid is estimated to restore power for a period of 4 hours. The capital cost of the battery, and hardening the feeder, is estimated at approximately \$██████████, with the present value of the fixed and variable costs estimated at approximately \$██████████. The present value of the estimated benefits associated with this microgrid is approximately \$██████████.

Alternatively, the microgrid could be anchored by a 13.5 MW natural gas fired generator or a hybrid 13.5 MW natural gas generator coupled with a 13.5 MW, 27 MWh battery. The natural gas generator in either design adds the assurance of a dispatchable generator, so long as the natural gas supply can be maintained after a weather event. The cost of the

natural gas generator, and hardening the feeder, is estimated at approximately \$ [REDACTED], with the present value of the variable costs estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this microgrid is approximately \$ [REDACTED]. As for the hybrid generator-and-battery option, at peak load, the battery incorporated in this microgrid is estimated to restore power for a maximum period of 2 hours, after which the generator would have to be started to continue providing electric service to the targeted load. The capital cost of the hybrid, with the hardening, is estimated at approximately \$ [REDACTED], with the present value of the variable costs estimated at approximately \$ [REDACTED]. The present value of the estimated benefits associated with this hybrid microgrid is approximately \$ [REDACTED].

**The NOSS (or Sherwood Forest) Microgrid:** ENO is exploring the potential for a microgrid involving NOSS, coupled with a 7.7 MW, 31 MWh battery, to serve all [REDACTED] customers on Feeder [REDACTED] connected to the Sherwood Forest 115 kV substation, including Fire Engine #37 and Sewage and Water Board facilities. While there is concern about the dependence on an intermittent renewable resource as the source of energy for the resiliency solution, as well as other important considerations for a potential microgrid, the concept of incorporating NOSS is intriguing, and the Company is open to discussing it with the Council and other stakeholders. The cost of the battery, and hardening the feeder, is estimated at approximately \$ [REDACTED].