



SERVICES YOU COUNT ON

**Annual Report
2010 Vegetation Management Report
4 CSR 240-23.030
April 1, 2011**

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2010 Vegetation Management Report

6(C).

Summary of the information required in subsection 6(B).

Empire's Vegetation Control Department along with the assistance of 13 ACRT utility foresters planned and inspected the work performed in 2010.

- In 2010, Empire scheduled 901 miles of distribution lines and 230 miles of transmission lines and completed 907 miles and 238 miles, respectively. In addition, aerial application was performed on 619 acres of transmission lines and all 112.7 scheduled miles of mid-cycle were patrolled.
- In 2011, Empire's schedule includes 1,099 miles of distribution and 224.7 miles of transmission lines. The Mid-cycle patrol will increase to 780 miles. Although the results are not as yet evident, it seems that the Tree Growth Regulator (TGR) program, which was implemented in 2010 will result in facilities that are free from limb obstructions for longer periods of time. TGR will be an ideal resource for many of Empire's "mid-cycle, cycle-buster" trees as well as an alternative option for some specific trees on our maintenance plan.

Currently, Empire contracts five contractors to assist in maintaining the vegetation on the system. They include:

- 95 Wright Tree Service employees under the supervision of Jeff East, Project Manager. 44 two-man bucket/manual crews, 4 mower crews, 4 Jarraff crews, and 1 grapple truck.
- 11 Shade Tree Service employees supervised by Adam Bolton. 5 two-man bucket crews, with the potential of expanding as needed.
- Application Specialties performs herbicide and TGR application. Jim Clark is owner and manages 8 employees.
- Mid Central Contractors and Kenny Singer Construction, who operate special mechanical clearing on select right-of-way situations.

There were no incidents of safety hazards or accidents resulting in death or serious injury in 2010.

6(C)1.

Expenditures for vegetation management in the preceding year of 2010:

\$9,761,084.20.

6(C)2.

Vegetation management budget for the current year of 2011: \$13,482,729.60

6(C)3.

Circuits, completion dates and miles trimmed in the preceding year.

See Exhibit A and Exhibit B, which depicts completion schedules for 2010.

Details are documented through work plans, weekly timesheets and invoices.

Empire will furnish any copies upon request.

6(C)4.

Circuits, miles scheduled for the current year:

See Exhibit C and Exhibit D, which depicts schedules for 2011.

6(C)5.

Total Distribution miles for the system and corresponding classification

between rural and urban: The total distribution miles on EDE's system is 5,558; classified as 1,671 Urban Miles and 3,887 Rural Miles .

8(A,B,C).Highlights of Empire's public education and outreach program for 2010 consisted of :

- The dedication of the Utility Arboretum in Joplin.
- "The Missouri Arbor Award of Excellence" for the community recognition for both arboretum's from the Missouri Community Forestry Council.
- Expanded our vegetation management portion on the company's website to include answers to frequently asked questions and specific information about the trees located in the arboretums.
- Hosted a booth at the Earth Day celebration out at Wildcat Glades to stress the benefits of "Right tree Right Place".
- Volunteers from Empire assisted Habitat for Humanities with the clearing of two of their projects and designed a site plan for one of the homes showing the Right Tree Right Place concept.
- Co-hosted with Missouri Dept of Conservation a program entitled "Electrical Line Tree Training" for a targeted audience of private tree services and landscapers.
- Empire has maintained our Tree Line USA certification for the second year. This is a designation that we will strive to keep with on-going involvement in public and employee education.

The Empire District Electric Co.

3/28/2011

6 (B) and (C). Summary of Information for Vegetation Management Plan 2010														
DISTRIBUTION System -- Vegetation Management Plan 2010								Conventional				Completion Date		
Circuit ID	Area	Sub	Sub Name	State	Maint. Schedule	2010 Scheduled Miles	2010 Completed Miles	Conventional Completion Date	Trims	Removals	Brush	Mech	Foliar/Basal	TGR
3123	209	312	Ozark Dam - Powersite**	MO	6	17.8	17.8	2/24/2010	•	•	•	n/a	12/17/2010	10/12/2010
3311	209	331	Branson-North	MO	4	8.9	8.9	6/2/2010	•	•	•	n/a	2/28/201	8/6/2010
3312	209	331	Branson- North	MO	4	4.1	4.1	7/2/2010	•	•	•	n/a	3/4/2010	8/6/2010
3315	209	331	Branson - North	MO	4	26.4	26.4	7/2/2010	•	•	•	n/a	11/18/2010	8/6/2010
3871	209	387	Hollister - East	MO	4	14.9	14.9	9/24/2010	•	•	•	n/a	11/18/2010	8/27/2010
4131	209	413	Branson-Southwest	MO	4	6.0								
4132	209	413	Branson-Southwest	MO	4	5.3	5.3	11/9/2010	•	•	•	n/a	11/18/2010	1/7/2011
4134	209	413	Branson-Southwest	MO	4	8.2								
4333	209	433	Gretna	MO	4	5.4								
1243	211	124	Aurora - H.T.	MO	4	26.6								
3551	211	355	Aurora - West	MO	4	10.3								
4371	211	437	Marionville - North	MO	6	113.9	113.9	4/22/2010	•	•	•	12/31/2010	4/24/2010	6/24/2010
1861	212	186	Welch - North	OK	4	34.7	34.7	2/2/2010	•	•	•	n/a	8/11/2010	5/10/2010
2821	212	282	Columbus Tennesse St	KS	6		9.7	10/16/2010	•	•	•	10/2/2010	11/1/2010	10/4/2010
2822	212	282	Columbus Tennesse St	KS	6		5.4	10/16/2010	•	•	•	10/2/2010	11/1/2010	11/17/2010
2823	212	282	Columbus Tennesse St	KS	6		25.4	12/31/2010	•	•	•	11/15/2010		
3811	212	381	Commerce - North	OK	4	13.0	13.0	5/12/2010	•	•	•	n/a	1/19/2010	6/22/2010
3812	212	381	Commerce - North	OK	4	16.0	16.0	4/9/2010	•	•	•	n/a	1/19/2010	5/10/2010
4061	212	406	Riverton - South	KS	6	113.3	113.3	8/31/2010	•	•	•	9/25/2010		9/30/2010
3181	213	318	Collins- South	MO	6	49.2	49.2	8/14/2010	•	•	•	8/7/2010	n/a	8/27/2010
3673	213	367	Bolivar - Southeast	MO	4	19.7	19.7	4/24/2010	•	•	•	2/11/2010	2/22/2010	6/24/2010
6021	213	602	Bolivar Plant	MO	4	19.7	19.7	4/3/2010	•	•	•	5/8/2010		6/30/2010
451	214	284	Joplin - 5th Street	MO	4		0.4	12/31/2010	•	•	•	n/a	12/31/2010	n/a
452	214	284	Joplin - 5th Street	MO	4		0.1	12/31/2010	•	•	•	n/a	12/31/2010	n/a
453	214	284	Joplin - 5th Street	MO	4		1.0	12/31/2010	•	•	•	n/a	12/31/2010	n/a
454	214	284	Joplin - 5th Street	MO	4		1.7	12/4/2010	•	•	•	n/a	12/4/2010	11/23/2010
455	214	284	Joplin - 5th Street	MO	4		0.7	1/16/2010	•	•	•	n/a	11/16/2010	n/a
456	214	284	Joplin - 5th Street	MO	4		0.5	12/31/2010	•	•	•	n/a	12/31/2010	n/a
1226	214	59	Joplin - 26th Street	MO	4	3.7								
1228	214	59	Joplin - 26th Street	MO	4	4.1	4.1	12/18/2010	•	•	•	n/a	12/17/2010	
1231	214	372	Joplin - 2nd & Division	MO	4		0.2	12/18/2010	•	•	•	n/a		
1232	214	372	Joplin - 2nd & Division	MO	4	14.5								
1262	214	258	Gateway Drive	MO	4	5.4								
1265	214	258	Gateway Drive	MO	4	10.2								
1274	214	341	Joplin - Northwest	MO	4		2.0	12/18/2010	•	•	•	n/a	n/a	n/a
1281	214	360	Joplin - Northeast	MO	4	1.9	1.9	12/31/2010	•	•	•	n/a	1/6/2011	n/a
1283	214	360	Joplin Northeast	MO	4		1.8	12/18/2010	•	•	•	n/a	n/a	n/a
1285	214	360	Joplin - Northeast	MO	4	6.0	6.0	12/16/2010	•	•	•	8/14/2010	3/25/2010	2/23/2011
1286	214	360	Joplin - Northeast	MO	4		1.3	12/31/2010	•	•	•	n/a		
1287	214	360	Joplin - Northeast	MO	4		0.3	12/31/2010	•	•	•	n/a	n/a	
3911	214	391	Joplin - Southeast	MO	4		0.4	12/18/2010	•	•	•	n/a	12/10/2010	n/a
3912	214	391	Joplin - Southeast	MO	4	15.7								
4222	214	422	Joplin- 24th Street	MO	4	12.0								
1050	215	422	Webb City - Tom Street	MO	4	15.0	15.0	12/16/2010	•	•	•	9/20/2010	2/18/2010	4/1/2011
1094	215	109	Joplin - Atlas Junction	MO	4	24.7								
3951	215	395	Carthage - Southwest	MO	6		46.5	12/31/2010	•	•	•	12/18/2010	11/15/2010	
3151	215	315	Webb City- ICI	MO	6		2.5	12/18/2010	•	•	•	n/a	n/a	n/a
4324	215	432	Oakland - North	MO	4	17.1								
2961	216	296	Neosho- Rocketdyne 69kv	MO	4	30.3	30.3	2/9/2010	•	•	•	6/26/2010	11/15/2010	4/10/2010
3472	216	347	Granby - North	MO	6	51.3	51.3	7/1/2010	•	•	•	8/21/2010	11/15/2010	7/21/2010
3751	216	375	Seneca - East	MO	6	50.7	50.7	5/1/2010	•	•	•	9/30/2010	9/30/2010	8/2/2010
3922	216	392	Decatur - South	AR	6	55.2	54.2	12/31/2010	•	•	•	6/19/2010	11/15/2010	10/1/2010
3923	216	392	Decatur - South	AR	6	4.2	4.2	12/25/2010	•	•	•	n/a		
3982	216	398	Neosho - East	MO	4		21.4	12/11/2010	•	•	•	12/11/2010	11/15/2010	12/1/2010
3305	217	330	Ozark - Northwest	MO	4	0.4	0.4	12/31/2010	•	•	•	n/a		n/a
3694	217	369	Willard	MO	4	22.8	22.8	6/17/2010	•	•	•	12/11/2010	8/2/2010	8/12/2010
4152	217	415	Blackhawk Junction	MO	4	17.0	17.0	9/30/2010	•	•	•	12/18/2010	10/30/2010	10/9/2010
4154	217	415	Blackhawk Junction	MO	4	6.8								
4155	217	415	Blackhawk Junction	MO	4	19.0	19.0	8/25/2010	•	•	•	8/14/2010	10/30/2010	8/27/2010
4341	217	434	Ozark - Southeast	MO	6		52.3	12/31/2010	•	•	•	12/25/2010	12/14/2010	1/6/2011
						901.4	907.4							
Bold Black Circuits were moved up into 2010 because of a reliability issue.														
Red Circuits were in original scheduled miles, but moved to 2011 because they had lesser reliability issues														
Herbicide work is typically the final step and may or may not occur in the same year and therefore is not reflected as part of the scheduled miles.														

Empire District Electric Company						
Distribution System - Vegetation Management Plan 2011						
Circuit ID	Area	Sub	Sub name	State	Maint. Schedule	2011 Scheduled Miles
3313	209	331	Branson - North	MO	4	5.4
3874	209	387	Hollister - East	MO	4	2.7
4102	209	410	Forsyth - North	MO	4	15.5
4131	209	413	Branson Southwest	MO	4	6.0
4133	209	413	Branson - Southwest	MO	4	6.1
4134	209	413	Branson Southwest	MO	4	8.2
4138	209	413	Branson - Southwest	MO	4	10.9
4331	209	433	Gretna	MO	4	8.3
4332	209	433	Gretna	MO	4	3.5
4333	209	433	Gretna	MO	4	5.4
4381	209	438	Riverside	MO	4	15.1
1243	211	124	Aurora HT	MO	4	34.7
2052	211	205	Wentworth - West	MO	6	18.6
3551	211	355	Aurora - West	MO	4	10.3
3552	211	355	Aurora - West	MO	6	17.3
3553	211	355	Aurora - West	MO	6	49.4
3591	211	359	Republic - East	MO	4	15.8
4511	211	451	Hines St.	MO	4	15.2
4512	211	451	Hines St. - Breaker	MO	4	3.2
4513	211	451	Hines St.	MO	4	3.8
2824	212	282	Columbus - Tennessee Street	KS	6	16.6
3631	212	363	Fairland - West	OK	4	62.4
4251	212	425	Sherman City - Southeast	KS	6	35.8
2171	213	217	Fair Play - East	MO	6	31.2
2172	213	217	Fair Play - East	MO	6	34.5
2501	213	250	Arcola - North	MO	6	4.2
3671	213	367	Bolivar - Southeast	MO	4	14.1
3672	213	367	Bolivar - Southeast	MO	4	1.8
4092	213	409	Buffalo - North	MO	6	27.0
4311	213	431	Bolivar - South	MO	4	8.9
6022	213	602	Bolivar Plant	MO	4	4.5
6143	213	614	Greenfield	MO	4	8.8
6144	213	614	Greenfield	MO	4	7.0
401	214	64	Joplin - 10th Street	MO	4	0.7
402	214	64	Joplin - 10th Street	MO	4	1.9
403	214	64	Joplin - 10th Street	MO	4	2.7
404	214	64	Joplin - 10th Street	MO	4	1.2
405	214	64	Joplin - 10th Street	MO	4	0.5
406	214	64	Joplin - 10th Street	MO	4	0.7
407	214	64	Joplin - 10th Street	MO	4	0.9
432	214	100	Joplin - Second Street	MO	4	1.0
433	214	100	Joplin - Second Street	MO	4	0.6
434	214	100	Joplin - Second Street	MO	4	0.7
1226	214	59	Joplin - 26th Street	MO	4	3.7
1230	214	372	Joplin - 2nd & Division	MO	4	12.4
1232	214	372	Joplin - 2nd & Division	MO	4	14.5
1233	214	372	Joplin - 2nd & Division	MO	4	4.9
1262	214	258	Gateway Drive	MO	4	5.4
1265	214	258	Gateway Drive	MO	4	10.1
1267	214	258	Gateway Drive	MO	4	3.4
1274	214	341	Joplin - Northwest	MO	4	2.0
1281	214	360	Joplin - Northeast	MO	4	1.9
1283	214	360	Joplin - Northeast	MO	4	1.8
1286	214	360	Joplin - Northeast	MO	4	1.3
1451	214	145	Joplin - West 7th Street	MO	4	11.2
1454	214	145	Joplin - West 7th Street	MO	4	14.2
1455	214	145	Joplin - West 7th Street	MO	4	8.1
3891	214	389	Joplin - Southwest	MO	6	25.1
3912	214	391	Joplin - Southeast	MO	4	15.8
4221	214	422	Joplin - 24th Street	MO	6	31.5
4222	214	422	Joplin - 24th Street	MO	4	12.0
4224	214	422	Joplin - 24th Street	MO	4	7.3
1092	215	109	Joplin - Atlas Junction	MO	6	38.0
1094	215	109	Joplin -	MO	4	24.9
3661	215	366	Carl Junction - Northeast	MO	4	20.6
3952	215	395	Carthage - Southwest	MO	6	34.3
4031	215	403	Jasper - West	MO	6	22.7
4324	215	432	Oakland - North	MO	4	17.4
4361	215	436	Webb City - Cardinal	MO	4	29.7
4363	215	436	Webb City - Cardinal	MO	4	13.4
2962	216	296	Neosho - Rocketdyne 69 KV	MO	4	6.8
5602	216	56	Neosho - West	MO	4	10.1
5603	216	56	Neosho - West	MO	6	41.5
7002	216	700	Gravette	AR	6	28.3
3303	217	330	Ozark - Northwest	MO	4	0.0
3304	217	330	Ozark - Northwest	MO	4	10.5
3701	217	370	Strafford	MO	6	22.2
3702	217	370	Strafford	MO	4	11.9
4151	217	415	Black Hawk Junction	MO	4	23.0
4154	217	415	Black Hawk Junction	MO	4	6.8
4342	217	434	Ozark - Southeast	MO	4	27.4
						1099.1

Empire District Electric Company

Transmission System -- Vegetation Management Plan 2011

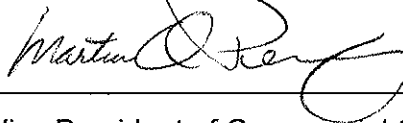
Line #	NERC	KV	State	From -- Expanded	To -- Expanded	2011 Scheduled Miles
01-0		69	K	SUB 94 - COLUMBUS SOUTHEAST	SUB 167 - RIVERTON	7.2
01-0		69	K	SUB 282 - COLUMBUS TENNESSEE ST.	SUB 94 - COLUMBUS SOUTHEAST	2.0
01-1		69	K	SUB 282 - COLUMBUS TENNESSEE ST.	SUB 282 - COLUMBUS TENNESSEE ST.	1.8
01-0		69	K	SUB SEKAN	SUB 425 - SHERMAN CITY	7.2
01-0		69	K	SUB 94 - COLUMBUS SOUTHEAST	SUB SEKAN	6.3
01-2		69	K	SUB SEKAN	SUB SEKAN	1.0
01-3		69	K	SUB SEKAN	SUB 444 - SHERWIN CITY	2.5
27-0		69	K	SUB 66 - SCAMMON SOUTH	SUB 94 - COLUMBUS SOUTHEAST	10.3
33-0		69	M	SUB 108 - CARTHAGE NORTHWEST	SUB 436 - WEBB CITY CARDINAL	11.2
33-0		69	M	SUB 108 - CARTHAGE NORTHWEST	SUB 344 - JASPER SOUTH	8.8
33-0		69	M	SUB 436 - WEBB CITY CARDINAL	SUB 110 - ORONOGO JCT.	4.1
33-1		69	M	SUB 403 - JASPER WEST TAP	SUB 403 - JASPER WEST TAP	1.0
35-0		69	M	SUB 59 - JOPLIN 26TH ST.	SUB 430 - JOPLIN 32ND & OLIVER	1.6
35-0		69	M	SUB 389 - JOPLIN SOUTHWEST	SUB 430 - JOPLIN 32ND & OLIVER	3.2
38-0		69	M	SUB 243 - BUFFALO SHELL	SUB 333 - FAIRGROVE CHEROKEE	10.3
38-0		69	M	SUB 243 - BUFFALO SHELL	SUB 243 - BUFFALO SHELL	0.2
38-0		69	M	SUB 333 - FAIRGROVE CHEROKEE	SUB 397 - FAIRGROVE SOUTH	24.0
38-0		69	M	SUB 370 - STRAFFORD	SUB 397 - FAIRGROVE SOUTH	5.6
38-0		69	M	SUB KAMO-STRAFFORD	SUB 370 - STRAFFORD	3.7
38-0		69	M	SUB KAMO-STRAFFORD	SUB 415 - BLACKHAWK JCT.	16.9
38-2		69	M	SUB 73 - BOLIVAR BURNS	SUB 342 - BUFFALO SOUTH	10.0
38-2		69	M	SUB 243 - BUFFALO SHELL	SUB 342 - BUFFALO SOUTH	4.5
38-3		69	M	SUB 409 - BUFFALO SOUTH	SUB 342 - BUFFALO SOUTH	5.2
40-0		69	M	SUB 332 - NEOSHO CHEROKEE	SUB 398 - NEOSHO NORTHEAST	6.4
40-0		69	M	SUB 296 - NEOSHO SOUTHEAST (ROCKET	SUB 398 - NEOSHO NORTHEAST	6.4
40-0		69	M	SUB 292 - TIPTON FORD	SUB 332 - NEOSHO CHEROKEE	4.4
40-0		69	M	SUB 292 - TIPTON FORD	SUB 393 - REINMILLER	4.0
81-0	NERC	161	K	NEOSHO 161 KV	SUB 94 - COLUMBUS SOUTHEAST	18.1
81-0	NERC	161	K	SUB 94 - COLUMBUS SOUTHEAST	SUB 452 - RIVERTON	7.7
92-0		161	M	NEOSHO	SUB 184 - NEOSHO SOUTH JCT.	1.7
92-0		161	M	NEOSHO	SUB 292 - TIPTON FORD	10.6
92-0		161	M	SUB 292 - TIPTON FORD	SUB 393 - REINMILLER	4.0
95-0		161	M	SUB 110 - ORONOGO JCT.	SUB 145 - JOPLIN WEST 7TH	5.8
96-0		161	M	SUB 389 - JOPLIN SOUTHWEST	SUB 439 - STATELINE	7.0
						224.7

Herbicide application will be performed one to two years after clearing, as needed.

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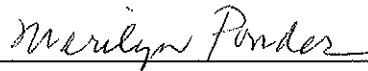
State of Missouri)
)ss
County of Jasper)

I, Martin O. Penning, having been duly sworn upon my oath, state that I am the Vice President of Commercial Operation of The Empire District Electric Company (Empire), that I am duly authorized to make this affidavit on behalf of Empire, and that the matters and things stated in the foregoing are true and correct to the best of my information, knowledge and belief.



Vice President of Commercial Operation

Subscribed and sworn before me this 28 day of March, 2011



Notary Public

