

SECTION 1: CONTACT INFORMATION

PUBLIC SERVICE COMMISSION

UTILITY NAME	1.1	Jackson Purchase Energy Corporation
REPORT PREPARED BY	1.2	Tracy A. Bensley
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PHONE NUMBER OF PREPARER	1.4	270-442-7321

SECTION 2: REPORT YEAR

CALENDAR YEAR OF REPORT	2.1	2010
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SECTION 3: MAJOR EVENT DAYS

TMED	3.1	26.75174065
FIRST DATE USED TO DETERMINE TMED	3.2	1/1/2006
LAST DATE USED TO DETERMINE TMED	3.3	12/31/2009
NUMBER OF MED IN REPORT YEAR	3.4	0

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

SECTION 4: SYSTEM RELIABILITY RESULTS

Excluding MED

SAIDI	4.1	80.246
SAIFI	4.2	1.219
CAIDI	4.3	65.803

Including MED (Optional)

SAIDI	4.4	N/A
SAIFI	4.5	
CAIDI	4.6	

Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and TMED

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## SECTION 5: OUTAGE CAUSE CATEGORIES Excluding MED

CAUSE CODE DESCRIPTION	SAIDI VALUE	CAUSE CODE DESCRIPTION	SAIFI VALUE
ROW	5.1.1 13.097003	ROW	5.2.1 0.2036008
Cut Out - Line or XFMR	5.1.2 9.3618303	Planned	5.2.2 0.1307736
Animal	5.1.3 8.6167913	Animal	5.2.3 0.1246703
Line Equipment	5.1.4 7.0302961	Cut Out - Line or XFMR	5.2.4 0.1217902
Planned	5.1.5 6.104972	Line Equipment	5.2.5 0.0924741
Wire Primary	5.1.6 5.1959689	Wire Primary	5.2.6 0.0723472
OCR / Breaker	5.1.7 4.7859557	OCR / Breaker	5.2.7 0.0690899
Substation	5.1.8 4.5153909	Substation	5.2.8 0.0513288
Storms	5.1.9 3.7337326	Public	5.2.9 0.0454313
Public	5.1.10 3.5580421	Human Error	5.2.10 0.0393966

## SECTION 6: WORST PERFORMING CIRCUITS

CIRCUIT IDENTIFIER	SAIDI VALUE	MAJOR OUTAGE CATEGORY
7706	6.1.1 897.000	Supplier
1502	6.1.2 530.876	Supplier
7705	6.1.3 502.046	Supplier
5102	6.1.4 348.663	ROW
4703	6.1.5 286.261	ROW
3904	6.1.6 263.605	Animal
7703	6.1.7 217.506	Supplier
7702	6.1.8 214.466	Supplier
3104	6.1.9 201.598	Substation
7805	6.1.10 176.101	ROW

CIRCUIT IDENTIFIER	SAIFI VALUE	MAJOR OUTAGE CATEGORY
1502	6.2.1 12.41	Supplier
7706	6.2.2 9.75	Supplier
3904	6.2.3 5.49	Animal
7705	6.2.4 5.41	Supplier
4104	6.2.5 3.46	Line Equipment
7703	6.2.6 3.23	Supplier
7702	6.2.7 3.19	ROW
5102	6.2.8 3.05	Line Equipment
4703	6.2.9 2.97	ROW
6104	6.2.10 2.81	Wire Primary

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## SECTION 7: VEGETATION MANAGEMENT PLAN REVIEW

JPEC is satisfied that its current VMP is being implemented properly. Right-of-way related outages have decreased significantly since we adopted our current four year rotation and have become vigilant in our spraying efforts. No changes will be implemented to the plan in the coming year.

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## SECTION 8: UTILITY COMMENTS