

FILED
March 25, 2010
Missouri Public
Service Commission

UEC Fossil Plts Maintenance Expenditures

Source: 2001-2009 CBS Actuals. 2010 CBS Version 32 as of 01-21-10. Cost Category=MTCEXP

Plant	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
BD 50 Meramec	26,464.9	20,890.6	21,971.4	20,203.0	24,574.5	23,382.4	17,295.5	23,395.3	25,034.8	22,432.1
BD 58 Labadie	35,833.3	45,832.7	33,801.5	34,131.5	23,789.2	27,110.7	27,873.6	47,118.0	31,648.6	16,246.2
BD 63 Rush Island	22,252.3	19,338.1	18,842.4	22,835.0	16,441.8	16,561.8	27,200.9	16,626.7	15,039.8	38,113.7
BD 53 Sioux	22,937.6	23,535.1	22,609.3	23,072.7	22,599.8	24,779.2	17,888.4	32,612.2	24,815.4	40,669.8
Total	107,488.1	109,596.6	97,224.7	100,242.1	87,405.3	91,834.1	90,258.3	119,752.3	96,538.6	117,461.9

BAI Addition to WP	
Five Year Average	Ten Year Average
103,169.0	101,780.2

Staff Proposed Normalized Cost Period

BD 50 Meramec
BD 58 Labadie
BD 63 Rush Island
BD 53 Sioux

Apr-Dec 2006	2007	2008	Jan-Mar 2009	Total	3 Year Average
19,567.8	17,295.5	23,395.3	5,701.0	65,959.6	21,986.5
19,966.0	27,873.6	47,118.0	7,281.9	102,239.4	34,079.8
11,466.3	27,200.9	16,626.7	4,314.5	59,608.3	19,869.4
19,988.0	17,888.4	32,612.2	5,124.0	75,612.7	25,204.2
70,988.2	90,258.3	119,752.3	22,421.3	303,420.1	101,140.0

Exhibit No. 161
 Date 3/16/10 Reporter PL
 File No. ETC-2615-0036

Labadie

Year	Unit Outages ¹	Time Period	Maintenance Expense ²
2000	L1 - Major	Feb - Apr	
	L4 - Major	Mar - May	
2001	L2 - Major	Mar - May	35.8
2002	L4 - Major	Feb - Apr	45.8
	L1 - Mini	Apr (6.6 Days)	
	L1 - Major	Sept - Nov	
2003	L1 - Mini	Apr (7.4 Days)	33.8
	L3 - Major	Sept - Nov	
	L4 - Major	Apr - May	
2004	L2 - Major	Oct - Nov	34.1
2005	None		23.8
2006	None		27.1
2007	None		27.9
2008	L1 - Major	Feb - May	47.1
2009	None		31.6
2010	None		16.2
2011	L4 - Major	Sept	
2012	L2 - Major	Sept	
	L3 - Major	Feb	
2013	None		
2014	L1 - Major	Mar	

Operating Capacity³

Units	MW Rating
L1	598
L2	598
L3	617
L4	614

¹From Response to Staff Data Request 294 and from NERC GADS Data

²From Staff Witness Roberta Grissum Workpapers

³From SNL Power Plant Profiles

Sioux

Year	Unit Outages ¹	Time Period	Maintenance Expense ²
2000	S2 - Mini	May (8 Days)	
	S2 - Major	Sept - Nov	
2001	S1 - Major	Feb - May	22.9
2002	S2 - Major	Apr - May	23.5
2003	S1 - Major	Mar - May	22.6
	S2 - Mini	Apr (6.5 Days)	
2004	S2 - Major	Mar - May	23.1
2005	S1 - Major	Feb - Apr	22.6
2006	S2 - Major	Mar - May	24.8
2007	None		17.9
2008	S1 - Major	Sept - Nov	32.6
2009	None		24.8
2010	S2 - Major	Sept	40.7
2011	S1 - Major	Feb	
2012	None		
2013	None		
2014	None		

MW Rating

Operating Capacity³

Units	MW Rating
S1	504
S2	504

¹From Response to Staff Data Request 294 and from NERC GADS Data

²From Staff Witness Roberta Grissum Workpapers

³From SNL Power Plant Profiles

Rush Island

Year	Unit Outages ¹	Time Period	Maintenance Expense ²
2000	R2 - Major	Apr - May	
2001	R1 - Major	Sept - Nov	22.3
2002	R2 - Major	Feb - Apr	19.3
2003	R2 - Major	Nov - Jan 04	18.8
2004	None		22.8
2005	None		16.4
2006	None		16.6
2007	R1 - Major	Feb - May	27.2
2008	None		16.6
2009	None		15.0
2010	R2 - Major	Jan	38.1
2011	None		
2012	R1 - Major	Apr	
2013	None		
2014	None		

Operating Capacity³

Units	MW Rating
R1	594
R2	595

¹From Response to Staff Data Request 294 and from NERC GADS Data

²From Staff Witness Roberta Grissum Workpapers

³From SNL Power Plant Profiles

Meramec

Year	Unit Outages ¹	Time Period	Maintenance Expense ²
2000	M1 - Mini	May (8.2 Days)	
	M2 - Mini	May (6.6 Days)	
	M1 - Major	Oct - Jan 2001	
	M2 - Major	Oct - Feb 2001	
	M3 - Major	Jan - Apr	
2001	M4 - Mini	Mar (8.6 Days)	26.5
	M4 - Major	Nov - Jan 2002	
2002	None		20.9
2003	M3 - Major	Mid Dec 2002 - Mar	22.0
2004	M1 - Major	Jan - Apr	
	M2 - Major	Jan - Apr	20.2
	M3 - Mini	May - Jun (5.6 Days)	
2005	M4 - Major	Mar - May	24.6
	M3 - Mini	Nov (15.4 Days)	
2006	M3 - Major	Sept - Dec	23.4
2007	None		17.3
2008	None		23.4
2009	M3 - Mini	Oct (3-4 Weeks)	25.0
2010	M2 Mini	Jan (3-4 Weeks)	22.4
2011	M1 - Mini	Feb	
	M4 - Major	Apr	
2012	None		
2013	None		
2014	M3 - Major	Sept	

Operating Capacity³

Units	MW Rating
M1	126
M2	126
M3	277
M4	363

¹From Response to Staff Data Request 294 and from NERC GADS Data

²From Staff Witness Roberta Grissum Workpapers

³From SNL Power Plant Profiles

TABLE 1

Generating Plant
Normalized Maintenance Expense

<u>Generating Plant</u>	<u>Routine/Base Maintenance (\$/Millions)</u>	<u>Scheduled Maintenance (\$/Millions)</u>	<u>Total Maintenance (\$/Millions)</u>
Labadie	\$25.3	\$7.9	\$33.3
Rush Island	16.2	3.9	20.1
Meramec	20.3	3.1	23.5
Sioux	<u>21.4</u>	<u>6.5</u>	<u>27.9</u>
Total	\$83.2	\$21.5	\$104.6

Data From 294

	Last Overhaul Outage	Next Overhaul Outage	Time Between Dates
Labadie 1	Mar-08	Mar-14	6.0
Labadie 2	Sep-04	Sep-12	8.0
Labadie 3	Sep-03	Feb-12	8.4
Labadie 4	Apr-03	Sep-11	<u>8.4</u>
Average Labadie			7.7
Rush Island 1	Feb-07	Apr-12	5.2
Rush Island 2	Nov-03	Jan-10	<u>6.2</u>
Average Rush Island			5.7
Sioux 1	Sep-08	Feb-11	2.4
Sioux 2	Mar-06	Sep-10	<u>4.5</u>
Average Sioux			3.5
Meramec 1	Jan-04	Feb-11	7.1
Meramec 2	Jan-04	Jan-10	6.0
Meramec 3	Oct-09	Sep-14	4.9
Meramec 4	Mar-05	Apr-11	<u>6.1</u>
Average Meramec			6.0