Hydropower System Status Report

1LT James P. Trombly April 2016





Current System Status

					S	TATUS FOR	WEEK Of 04	APR2016 -	10 APR2016						
		Un	it 1	Uni	it 2		it 3		it 4	Un	it 5	Un	it 6	Nameplate Avail. (I	MW)
	Barkley	32.5		32.5		32	32.5						97.5		
	Center Hill	45.0			0.0		45.0							90.0	
GENERATOR Unit status	Cheatham	12.0		0.0		12.0								24.0	
≅≊	Cordell Hull	33.3		33.3		33.3						0.0000000000000000000000000000000000000		99.9	
iii is	Dale Hollow	0.0		18.0		18.0				13333333333				36.0	
京星	J. Percy Priest	28.0												28.0	\neg
~ >	Laurel	61.0											**********	61.0	\neg
	Old Hickory	25.0		25.0		25.0		0.0						75.0	\neg
	Wolf Creek	45.0		45	.0	45	5.0	45	5.0	45	5.0	0	.0	225.0	\neg
	Project	Unit #		Reason Out of Service								Date Out of Service		Date Return to Sen	vice
	Barkley	4				Cooling	Water Piping	replacement	contract			28-Mar-16		20-May-16	
E	Center Hill	:	2			Turbi	ine Generator	Rehab Unde	rway			31-Jul-15		6-Aug-16	\neg
≅ຮ	Cheatham	-	2	С	omplete unit	inspection, c	avitation repa	ir, thrust bea	ring's oil coo	lers installation	on	28-Mar-16		17-Jun-16	
흔드	Cordell Hull				Complete unit inspection, cavitation repair, thrust bearing's oil coolers installation										
≅ ₩	Dale Hollow		1	Т	VA line work	limits plant t	o a two unit r	maximum (M	on-Wed for d	uration of yea	ır)	4-Apr-16		30-Dec-16	
GENERATOR UNIT SPECIFICS	J. Percy Priest														
9	Laurel														
•	Old Hickory		4			Out	t Due To Alig		rns			5-May-13		Oct-18	
	Wolf Creek	6					Partial Unit	Inspection				4-Apr-16		7-Apr-16	
		Gate 1	Gate 2	Gate 3	Gate 4	Gate 5	Gate 6	Gate 7	Gate 8	Gate 9	Gate 10	Gate 11	Gate 12		\Box
ш	Barkley														
A	Center Hill														
SPILLWAY GATE STATUS	Cheatham														
8 E	Cordell Hull														
ST	Dale Hollow						************								
₹ .	J. Percy Priest Laurel	III NO ANTENA	LLED OVER	LIIGO WOLE	MAY									 	-
S	Old Hickory	CHOCHTIC	CCLO GYCIN	DOTT OF ICE	THE STREET										
	Wolf Creek														
~ 65	Project	G-	to #				Posson Ou	t of Service				Date Out	of Condea	Date Return to Ser	vice
SPILLWAY GATE SPECIFICS	Center Hill	Gate #		Rusted Pin In Trunnion - Emergency Use Only								Date Out of Service 4-Nov-13		TBD	1100
PE & DE				Barge moored in front of gates for spillway rehab work (3 year contract)											\dashv
S S	Cheatham	5, 6, 7		Barge moored in front of gates for spillway rehab					work (3 yea	r contract)		23-Mar-16		TBD	_
w w s		Sluice 1		Slui	ce 2	Sluice 3		Slu	Sluice 4		Sluice 5		ice 6		\Box
SLUICE GATE STATUS	Center Hill														
ST	Dale Hollow Wolf Creek									000000000000000000000000000000000000000		E0000000000000000000000000000000000000		·	
	Wolf Creek														
<u>S</u>	Project	Gate #		Reason Out of Service								Date Out of Service		Date Return to Ser	vice
SLUICE GATE SPECIFICS	Center Hill	5		Orifice Gate Installed											
SPE	Wolf Creek	1, 3		Orifice Gate Installed											
	LEGEND				y available status										
						it specifics for									
			Indicates a u	unique status	as to why a	unit/gate is o	r will be out o	of service							
1															

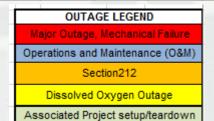




Forecasted System Status

						Forecas	sted Unit	Status (Outage V	Veeks (O	Week th	hrough (D+14 We	ek)				
	Project	Unit #	Avail MW	OUTAGE WEEKS (Outages are tracked within the outage week starting every Monday, see "Unit Specifics" below for more exact dates) O Week O+1 Week O+2 Week O+3 Week O+4 Week O+5 Week O+6 Week O+7 Week O+8 Week O+9 Week O+10 Week O+11 Week O+12 Week O+13 Week O+14 Week														
Pro				O Week	0+1 Week	0+2 Week	0+3 Week		O+5 Week	O+6 Week				0+10 Week			0+13 Week	O+14 Week
				4-Apr-16		18-Apr-16	25-Apr-16	2-May-16	9-May-16	16-May-16	23-May-16			13-Jun-16	20-Jun-16	27-Jun-16	4-Jul-16	11-Jul-16
		1	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
	Barkley	2	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
Bar		3	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		4	32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	32.5	32.5	32.5	32.5	32.5	32.5
		1	45.0	45.0	45.0	45.0	0.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Cent	ter Hill	2	45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50		3	45.0	45.0	45.0	45.0	0.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
_			40.0		40.0			40.0						40.0				
		1	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
Che	atham	2	12.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	12.0	12.0
2		3	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0
5 -		1	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
Cord	Cordell Hull	2	30.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3	33.3
5		3	33.3	33.3	33.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	33.3	33.3	33.3	33.3	33.3
-	ale Hollow	1	18.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Dale		2	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
t		3	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0
	ercy iest	1	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0	28.0
_	urel	1	61.0	61.0	61.0	61.0	0.0	0.0	61.0	0.0	0.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
5	1	1	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
Old H	lickory	2	25.0	25.0	25.0	25.0	25.0	25.0	0.0	0.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
loid ii	iickory.	3	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0	25.0
	[4	25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	T	1	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
	[2	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Wolf	Volf Creek	3	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
1		4	45.0	45.0	45.0	45.0	0.0	0.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
		5	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
<u> </u>		6	45.0	0.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
Wee	Weekly Available MW		910.60	736.4	781.4	748.1	552.1	642.1	723.1	662.1	654.6	715.6	781.4	781.4	793.4	793.4	793.4	793.4
20.11			# Units Avail	22	23	22	18	20	21	20	20	21	23	23	24	24	24	24
28 Units in District		# Units UnAvail	6	5	6	10	8	7	8	8	7	5	5	4	4	4	4	







Forecasted System Status

			D	ate											
	Project	Unit#	Out of Service	Return to Service	Reason Out of Service (O Week- O+14 Week)										
	Barkley	4	28-Mar-16	20-May-16	Cooling Water Contract, AND Partial Maintenance Inspection Set/remove bulkheads used for cooling water pipe contract										
	Barkley	3	23-May-16	15-Jul-16	Cooling Water Contract, AND Complete Maintenance Inspection Set/remove bulkheads used for cooling water pipe contract work										
	Barkley	3, 4	23-May-16	3-Jun-16	Main Transformer #2 de-energized due to Air Circuit Breaker (ACB) #224 being replaced for a Vacuum Circuit Breaker (VCB).										
cs	Center Hill	2	5-May-13	Oct-18	Turbine Generator Rehab										
IF	Center Hill	1,3	25-Apr-13	28-Apr-13	Zero genertion 0700-1700 while dive team installs geomembrane on upstream face of dam to prevent water flow through monolith 11										
EC	Cheatham	2	28-Mar-16	17-Jun-16	Complete unit inspection, cavitation repair, thrust bearing's oil coolers installation										
Ь	Cordell Hull	3	18-Apr-16	3-Jun-16	Excitation rehab and complete unit inspection										
S J	Dale Hollow	1	4-Apr-16	30-Dec-16	TVA line work limits plant to two unit maximum (Mon-Wed for duration of year)										
LIND	Laurel	1	25-Apr-16	6-May-16	Transformer/Breaker work										
Б	Laurel	1	15-May-16	27-May-16	Bushing Repair (TVA)										
	Old Hickory	2	9-May-16	20-May-16	Annual Maintenance Inspection										
	Old Hickory	4		Pending unit rehab	Out Due To Alignment Concerns										
	Wolf Creek	4	25-Apr-16	6-May-16	Complete Maintenance Inspection										
	Wolf Creek	6	4-Apr-16	7-Apr-16	Partial Maintenance Inspection										

