



UNIT AND GATE STATUS



	Project	Un	nit 1	Un	it 2	Un	ATUS FOR V		it 4		nit 5	Un	it 6	Nameplate Avail. (MW)	Wk. Declaratio
	Barkley	0.0		0.0		35.0			35.0					70.0	40
	Center Hill	45.0		0.0		45.0								90.0	106
US	Cheatham	12.0		12.0		12.0			_					36.0	0
GENERATOR UNIT STATUS	Cordell Hull	33,3		30,0		33.3)						96.6	99
T S	Dale Hollow	16.0		16.0		16,0		V	_					48.0	54
IN GE	J. Percy Priest	30.0						1						30.0	30
2	Laurel	61.0											-	61.0	70
	Old Hickory	25.0		25.0		25	0.0	0	.0					75.0	66
	Wolf Creek	0.0		45.0		0	0	- 49	i.Ø		0.0	- 4	5.0	135.0	150
									Total w/o Laurel		580.6	545			
												Syster	m Total	641.6	615
GENERATOR UNIT SPECIFICS	Project	Un	nit#	Reason Out of Service								Date Out of Service		Date Return to Service	
	Barkley	1&2		Main Transformer Installation								11-Jan-21		28-May-21	10.0
	Center Hill	2		Headgate Machinery								23-Mar-21		16-Apr-21	5 C
	Old Hickory	4		Turbine Generator Rehab								1-Apr-13		4-Jun-21	10.0
	Wolf Creek	1		Generator Differential								31-Mar-21		8-Apr-21	G
	Wolf Creek	3		Main Exciter Repairs								11-Mar-21		11-Feb-22	1
	Wolf Creek	5		Main Exciter Repairs								6-May-20		15-Apr-21	
													13-401-21		
SPILLWAY GATE STATUS	Project	Gate 1	Gate 2	Gate 3	Gate 4	Gate 5	Gate 6	Gate 7	Gate 8	Gate 9	Gate 10	Gate 11	Gate 12		
	Barkley Center Hill														
	Cheatham										-				
	Cordell Hull		-			-						-	-		
ATA	Dale Hollow		-				-		-			-	-		
S IL	J. Percy Priest		-					-	<		-	-	-		
S	Laurel	UNCONTRO	LLED OVER	FLOW SPILLY	NAY						-			2	
	Old Hickory					-		-							
	Wolf Creek										(I)		-		
× s	Project	Gate #		Reason Out of Service								Date Out of Service		Date Return to Service	é.
HIC	Center Hill	8		Gate Machinery Alignment								9-Jul-20		TBD	
SPILLWAY GATE SPECIFICS	Wolf Creek	5&7		Emergency Use Only (Deformation in Trunnion Arms)								18-Oct-19		TBD	
													100		
SLUICE GATE STATUS	Project	Sluice 1		Sluice 2		Sluice 3		Sluice 4		Slu	Sluice 5		ice 6		
ATA	Center Hill													0	
ST ST	Dale Hollow Wolf Creek									-		1			
SLUICE GATE SPECIFIC S		£1	ice #	Reason Out of Service								Data Out	of Service	Data Datamata Samilar	6
	Project	Siu	ice #									Date Out	of service	Date Return to Service	2
	LEGEND	R	Indicates fully available status									-		9. L	
			Indicates non-available status (see unit specifics for justification)												
		Indicates a unique status as to why a unit/gate is or will be out of service													



CENTER HILL TRUNNION PIN AND SEALS REPLACEMENT / SPILLWAY ELEC/MECH REPAIR



Scope

- Replace the trunnion pin for spillway gate 7
- Replace J-Seals on all spillway gates
- Add metal ladders to each pier to allow for inspection and maintenance of trunnion pins
- Electrical/Mechanical rehabilitation for the spillway gate machinery for each gate

Total Project Cost

- \$7.7 million
 - \$5.7 million for the Spillway Gate Machinery
 - \$1.5 million for the Trunnion Pin / J-Seals
 - \$500K funding pot machinery alignment mod for one gate

- Machinery work completed on all 8 gates.
- Roadway remote control stations installed.
- Completing trunnion ladder on last gate and alignment on gate 8.
- Gate equipment alignment & concrete repairs mod being finalized.







BARKLEY TRASH SCREENS



Scope

 To replace the existing trash screens which have missing cross bars making holes and gaps allowing large debris to enter scroll case and damage turbine

Total Project Cost

- \$3.53 Million

- Contract for fabrication \$2.18 Million.
- All 48 Sections delivered on site.
- \$1.346 Million for installation We've requested funding for FY21 for the installation.
- Installation 26 July to 19 August 2021.







BARKLEY INTAKE CRANE



Scope

 To replace the existing Intake Gantry Crane and rails with a new 165 Ton Gantry Crane to operate the intake and the spillway.

Total Project Cost

- \$15.5 Million
 - \$7.95 Million has been funded through Funding Pots.
 - Another \$2.9 Million has been funding through Funding Pots for options so far.
 - Still need \$4.65 Million+ for remaining contract options.

- Contract awarded.
- Market Research conducted.
- Submittals/RFI's/Design being reviewed.





SCADA REPLACEMENT AT CHE/P, JPP/P, CEN/P, DAL/P, LAU/P



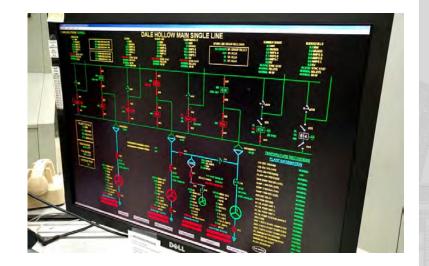
Scope

 To replace the five existing SCADA systems (Cheatham, J.P. Priest, Center Hill, Dale Hollow, Laurel)

Total Project Cost

 \$3.9 Million. \$2.5 million for contract with \$1.4 million for engineering (including design) and installation.

- Contract awarded to HSQ Technology.
- November 2020 LRN notified operating system no longer on approved list.
- Contract terminated for convenience March 2021
- District exploring path forward





OLD HICKORY SWITCHYARD CONDUIT & CABLE REPLACEMENT



Scope

- Supply new cable in Switchyard
- Install a new concrete trench system
- Supply new cable termination cabinets inside the switchyard vault
- Supply new switchyard panelboards

Total Project Cost

– \$1.98M

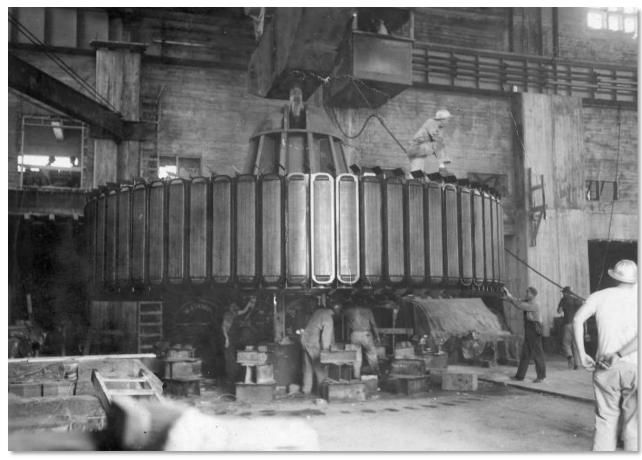
- Projected Award Date is 6 August 21
- Package is scheduled to be Delivered to Contracting on 9 April 21
- Projected Outage dates May 22-July 22











Wolf Creek Generator Rotor