

EXHIBIT A-2

Saluda Hydroelectric Project P-516

Table of Standard Project Numbers

DESCRIPTION		NUMBER OR FACT	
	Project Location	10 mi west of City of Columbia; Richland, Lexington, Saluda and Newberry Counties	
GENERAL			
	Project drainage area	2,420 sq. miles	
	Station rated generating capacity	207,300 kW	
	Estimated reliable capability	206,000 kW	
	Annual generation	245 million kWh or 245,200 MW	
	Discharge at rated capacity	18,000 cfs	
	Minimum recorded daily average flow	285 cfs (measured @ USGS gauging station near Riverbanks Zoo)	
DAMS & RESERVOIR			
	Original Dam	Type & dimensions	Earthfill embankment, 213 ft high, 7,800 ft long, crest el. 375.5' NAVD88
	Backup Dam	Type & dimensions	Rockfill embankments & RCC gravity, 213 ft high, 8,000 ft long, crest el. 372.0' NAVD88
	Reservoir	Max. Oper. Level (Full Pool) & Area	358.5' NAVD88; 50,900 acres
		Min. Oper. Level	343.5' NAVD88
		Total storage at full pool	2,000,000 acre-feet (at El. 358.5' NAVD88)
		Active storage	635,000 acre-feet between El. 358.5' and El. 343.5' NAVD88
SPELLWAY			
	Spillway Gates	Number & type	6 Radial Tainter, electrically operated with air motor backup
		Gate dimensions	4 @ 37ft 6in long by 25 ft high w/sill elevation of 338.5' NAVD88 2 @ 44ft long by 32 ft high w/sill elevation of 328.5' NAVD88
		Maximum discharge	91,000 CFS at full pool el. 358.5' NAVD88 197,000 CFS at Probable Max. Flood pool el. 374.4' NAVD88
POWERHOUSE			
	Units 1 - 4	Construction type	Concrete block, brick, steel
	Unit 5	Construction type	Reinforced concrete

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DESCRIPTION		NUMBER OR FACT				
INTAKE TOWERS		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Diameter	30 ft	30 ft	30 ft	30 ft	60 ft
	Height	223 ft	223 ft	223 ft	223 ft	223 ft
PENSTOCKS		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Diameter	16 ft	16 ft	16 ft	16 ft	20 ft
	Length	1091 ft	1091 ft	1091 ft	1091 ft	1124 ft
TURBINES		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Manufacturer	S. Morgan Smith	S. Morgan Smith	S. Morgan Smith	S. Morgan Smith	Baldwin-Lima-Hamilton
	Type	Vert. Francis	Vert. Francis	Vert. Francis	Vert. Francis	Vert. Francis
	Rated net head	180 ft	180 ft	180 ft	180 ft	156 ft
	Rated maximum discharge capacity	3,000 CFS	3,000 CFS	3,000 CFS	3,000 CFS	6,000 CFS
	Draft tube invert elevation	157 ft NAVD88	157 ft NAVD88	157 ft NAVD88	157 ft NAVD88	149.6 ft NAVD88
	HP rating at rated head	55,000	55,000	55,000	55,000	98,300
	Synchronous speed (rpm)	138.5	138.5	138.5	138.5	128.6
GENERATORS		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Manufacturer	Westinghouse	Westinghouse	Westinghouse	Westinghouse	General Electric
	Type	AC	AC	AC	AC	AC
	Phases	3	3	3	3	3
	Voltage	13,800 V	13,800 V	13,800 V	13,800 V	13,800 V
	Frequency	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
	KVA rating	40,625	40,625	47,000	40,625	75,000
	Power factor	0.8	0.8	0.9	0.8	0.9
	KW output	32,500	32,500	42,300	32,500	67,500
TRANSFORMERS		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
	Type	FOW	FOW	FOW	FOW	FOA
	Voltage	13.2/115-kV	13.2/115-kV	13.2/115-kV	13.2/115-kV	13.2/115-kV
	Phases	3	3	3	3	3
	KVA Rating	41,667/46,667	40,000	41,667/46,667	41,667/46,667	76,785/86,000
	Temp. Rise	55°/65°C	55°C	55°/65°C	55°/65°C	55°/65°C