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REPORT  
OF  
State Electrician  
and Engineer  
TO THE  
GENERAL ASSEMBLY  
of the State of South Carolina

AT THE REGULAR SESSION  
BEGINNING JANUARY, 1931



AUG 30 2004

STATE DOCUMENTS

PRINTED UNDER THE DIRECTION OF THE  
JOINT COMMITTEE ON PRINTING  
GENERAL ASSEMBLY OF SOUTH CAROLINA

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REPORT  
OF  
State Electrician

**LETTER OF TRANSMITTAL**

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January 1, 1931.

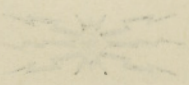
**To the General Assembly of South Carolina:**

Gentlemen: As required by law, I submit herewith report of this Department for the year ending October 31, 1930.

Contained herewith will be found information required by the Statutes to be submitted.

Respectfully submitted,

S. W. CANNON,  
State Electrician and Engineer.



## REPORT

### TOTAL KILLOWATT HOURS CONSUMED BY VARIOUS STATE INSTITUTIONS DURING TEN MONTHS ENDING OCTOBER 31, 1930 AND AMOUNT PAID FOR SAME

	K. W. H.	Amount
Industrial School for Girls .....	10,512	\$210.24
Reformatory for Negro Boys .....	9,205	184.10
Confederate Infirmary .....	5,138	102.76
State & Palmetto Sanatoriums ....	111,148	2,222.96
State Hospital .....	698,294	13,965.88
Governor's Mansion .....	7,095	141.90
State Capitol Building .....	154,363	3,087.26
State Office Building .....	92,110	1,842.20
University of South Carolina .....	157,078	3,141.56
State Armory .....	1,348	26.96
State Penitentiary .....	190,840	3,816.80
State Highway Department .....	15,780	315.60
TOTALS .....		1,452,911
Current Sold State Employees ....		\$29,058.22
Collections From Broad River Power Company .....		\$1,343.96
		1,952.66
Total Sale of Electric Current..		\$32,354.84

The above statement shows that the various State Institutions located in or near Columbia, consumed 1,452,911 Killowatt Hours during the Ten Months ending October 31, 1930, which at the rate paid for same before contract was made between the State and the Broad River Power Company, would amount to \$29,058.22.

Total collections from Broad River Power Company, Ten Months ending October 31, 1930, under contract between the State and the Broad River Power Company, amounted to \$1,952.66. Add to this \$1,343.96, collections from State Employees using current from State lines, which makes the total saving to the State for the current Ten Months ending October 31, 1930, \$32,354.84.



FINANCIAL STATEMENT YEAR ENDING  
OCTOBER 31, 1930

**Balances:**

Cash .....	\$1,533.78	
Balance in Closed Bank .....	190.77	
Accounts Receivable .....	3,022.57	\$4,747.12

**Current Sales:**

State Institutions .....	\$29,058.22	
State Employees .....	1,343.96	
Collections from Broad River Power Company .....	1,952.66	\$32,354.84
Total to be Accounted For .....		\$37,101.96

**Accounted for as Follows:**

Paid State Treasurer .....	\$32,245.17	
Balance in Closed Bank .....	190.77	\$32,435.94
Accounts Receivable .....	\$4,667.37	
Less; Overpaid Accounts .....	1.35	4,666.02
Total Accounted For .....		\$37,101.96

TABLE NO. 1—STATEMENT SHOWING MONTHLY SETTLEMENTS WITH THE BROAD RIVER POWER COMPANY—YEAR 1930

Month of Settlement	Date of Load	Time of Highest Hour Load	Gross K. W. Load	Gross H. P. Load	Net H. P. Load	Unit H. P. Settlement	Net H. P. Due The State	Amount Due The State	Amount Paid The State	Net K. W. H. Due Broad River Power Company	Am't. Paid Broad River Power Company
January .....	29	8:15 to 9:15 A. M. ....	†474	†600	.....	600.000	.....	.....	.....	296	\$6.66
February .....	15	9:08 to 10:08 A. M. ....	462.500	616.666	585.833	600.000	14.167	\$47.22	\$47.22	.....	.....
March .....	7	8:50 to 9:50 A. M. ....	456.000	608.000	577.600	600.000	22.400	74.67	74.67	.....	.....
April .....	2	3:15 to 4:15 P. M. ....	397.500	530.000	503.500	600.000	96.500	321.67	321.67	.....	.....
May .....	30	10:10 to 11:10 A. M. ....	390.000	520.000	494.000	600.000	106.000	353.33	353.33	.....	.....
June .....	25	9:20 to 10:20 A. M. ....	402.250	536.333	509.517	600.000	90.483	301.61	301.61	.....	.....
July .....	18	9:30 to 10:30 A. M. ....	397.000	529.333	502.867	600.000	97.133	323.78	323.78	.....	.....
August .....	5	9:00 to 10:00 A. M. ....	382.750	510.333	484.817	600.000	115.183	383.94	383.94	.....	.....
September .....	25	9:15 to 10:15 A. M. ....	439.000	585.333	556.067	600.000	43.933	146.44	146.44	.....	.....
October .....	29	9:50 to 10:50 A. M. ....	515.000	686.666	652.333	600.000	.....	.....	.....	62	1.40
November .....	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
December .....	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
								\$1,952.66	\$1,952.66	358	\$8.06

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TABLE NO. 2—SHOWING COLLECTIONS FROM THE SALE OF ELECTRIC CURRENT FOR THE YEAR ENDING OCTOBER 31, 1930  
TO STATE EMPLOYEES

Name of Employee	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Dr. Bonner	\$7.60	\$5.60	\$6.40	\$7.20	\$12.40	\$9.20	\$7.60	.....	.....	.....	.....	.....	\$56.00
Dr. Earnest Cooper	7.60	6.40	5.20	6.40	6.00	4.80	6.00	\$8.00	\$5.60	\$6.80	.....	.....	62.80
Mr. J. S. Jones	.24	1.20	.60	.42	.42	.24	.60	.90	.60	.84	.....	.....	6.06
Mr. G. J. Cooper	.....	8.70	3.36	2.52	2.70	2.40	2.64	3.84	2.40	3.18	.....	.....	31.74
Mr. J. S. Lomas	.....	.....	2.34	.60	.78	.72	.78	.66	.60	.72	.....	.....	7.20
Dr. Westrope	7.62	10.80	8.98	11.44	12.36	11.70	11.48	13.74	10.16	14.84	.....	.....	113.12
Dr. H. A. McElroy	3.54	2.64	1.92	1.86	2.04	1.44	1.02	2.34	1.98	3.18	.....	.....	21.96
Mr. McLean	2.64	1.62	2.04	2.22	1.98	1.02	1.44	.....	3.36	1.62	.....	.....	17.94
Mr. W. C. Hale	3.12	1.86	1.62	1.68	1.32	1.50	.....	3.60	1.62	2.70	.....	.....	19.02
Mr. Cooper	.....	4.62	2.04	2.04	1.80	1.50	1.68	1.92	2.22	3.24	.....	.....	21.06
Mr. Buechell	1.62	1.20	1.20	.96	.72	.36	.42	.60	.78	1.32	.....	.....	9.18
Mr. G. M. Day	4.20	3.72	2.04	2.10	1.50	1.50	1.50	3.00	2.16	2.70	.....	.....	24.42
Mr. E. M. Dickert	3.48	2.76	2.04	1.86	1.32	.96	1.50	1.50	1.92	2.22	.....	.....	19.56
Mr. R. Sisson	4.50	3.66	3.54	3.24	2.70	2.34	1.86	2.34	3.18	3.54	.....	.....	30.90
Mr. J. T. Rikard	3.36	2.64	2.22	1.86	1.32	.96	.90	1.68	2.40	2.34	.....	.....	19.68
Mr. Winguard	2.10	1.56	1.14	1.50	1.50	1.14	.78	1.98	1.20	1.56	.....	.....	14.46
Mr. H. T. Patterson	5.58	2.88	2.10	1.92	.66	1.50	.78	.60	1.38	2.28	.....	.....	19.68
Mr. W. B. Guy	1.86	1.44	1.20	1.20	1.44	1.14	1.20	1.08	1.08	1.86	.....	.....	13.60
Dr. Horgor	3.30	2.40	2.16	2.10	2.16	1.44	1.44	1.26	.....	2.28	.....	.....	18.54
Dr. Long	4.08	1.80	1.20	1.56	1.50	1.26	1.38	1.32	.96	.....	.....	.....	15.06
Dr. Boone	2.46	1.32	1.56	1.62	2.28	1.74	1.38	2.28	2.04	1.98	.....	.....	18.66
Dr. Ham	3.54	2.88	2.34	2.70	2.46	.....	4.20	2.16	2.40	3.36	.....	.....	26.04
Dr. Carrigan	8.22	4.26	4.38	5.76	4.62	4.38	5.46	5.28	4.08	3.96	.....	.....	50.40
Dr. Bullock	3.78	2.94	2.70	2.76	2.52	2.22	2.22	2.28	2.46	3.06	.....	.....	26.94
Dr. Macdonald	2.28	2.10	1.98	2.34	2.34	1.80	1.50	1.44	1.80	3.06	.....	.....	20.64
Mr. F. M. Shealy	3.42	3.00	2.28	2.22	2.04	1.74	1.68	1.26	1.98	2.76	.....	.....	22.38
Mr. King	1.80	1.20	1.26	1.32	1.20	.90	.60	.90	.90	1.26	.....	.....	11.34
Mr. McClure	3.12	.....	2.10	4.38	2.04	1.50	2.46	1.74	2.10	3.24	.....	.....	22.68
Dr. H. A. McElroy (Store)	3.60	2.88	2.52	2.94	4.02	3.54	4.20	4.38	3.78	4.56	.....	.....	36.42
Prof. H. C. Davis	4.26	3.00	3.96	3.54	3.72	2.40	1.68	2.76	2.16	3.24	.....	.....	30.72
Prof. Geo. McCutchen	5.10	3.66	4.14	3.72	3.78	2.58	2.70	4.20	3.48	4.20	.....	.....	37.56
Prof. F. W. Bradley	2.64	1.56	2.16	1.80	1.50	1.44	1.38	1.38	2.40	2.82	.....	.....	19.08
Prof. J. B. Coleman	1.44	1.20	1.62	.54	1.08	.78	.90	1.14	.....	2.16	.....	.....	10.86
Prof. A. C. Carson	2.70	2.22	2.70	2.58	3.00	2.28	1.98	2.82	2.52	2.94	.....	.....	25.74

Dr. W. B. Burney .....	1.62	1.56	1.92	.....	3.42	1.68	1.38	.....	.....	4.74	.....	.....	16.32
Prof. G. A. Wauchope .....	2.82	1.62	2.16	2.04	2.28	1.62	1.56	2.70	4.14	3.18	.....	.....	24.12
Mr. M. L. Smith .....	5.04	2.28	.....	4.44	1.98	1.98	2.16	2.04	2.04	2.46	.....	.....	24.42
Mr. Bankhead .....	2.28	1.68	1.20	.....	.....	.....	3.42	.....	1.50	1.56	.....	.....	11.64
Prof. Walter E. Rowe .....	.....	14.04	7.86	7.50	.....	14.94	8.76	10.92	7.62	7.08	.....	.....	78.72
Prof. Geo. E. Olson .....	6.54	5.28	6.00	5.76	.....	.....	.....	.....	16.20	6.36	.....	.....	46.14
Prof. Patterson Wardlaw .....	3.48	3.18	3.90	3.00	2.40	2.10	1.62	3.54	.....	6.42	.....	.....	29.64
Prof. G. F. Lipscomb .....	.....	5.10	2.34	2.16	2.10	1.80	.84	.....	.....	3.42	.....	.....	17.76
Prof. L. T. Baker .....	3.24	2.40	2.88	2.76	2.46	1.20	.....	3.84	1.80	3.36	.....	.....	23.94
Prof. Josiah Morse .....	4.80	3.42	3.60	3.00	3.12	1.50	1.86	2.40	1.92	2.46	.....	.....	28.08
Prof. Yates Snowden .....	6.12	4.56	5.58	4.80	5.10	3.84	.....	.....	4.56	6.96	.....	.....	41.52
Prof. Stephen Tabor .....	3.36	2.46	3.36	3.24	3.12	1.68	.....	.....	1.98	3.42	.....	.....	22.62
Prof. J. A. Stoddard .....	13.20	4.32	5.76	3.66	3.84	2.76	2.70	3.84	2.76	.....	.....	.....	42.84
Dr. W. S. Currell .....	5.76	3.24	4.02	4.02	3.60	2.88	2.94	.30	3.78	4.32	.....	.....	34.86
<b>TOTALS .....</b>	<b>\$173.06</b>	<b>\$154.86</b>	<b>\$139.62</b>	<b>\$139.28</b>	<b>\$126.64</b>	<b>\$112.40</b>	<b>\$104.58</b>	<b>\$113.96</b>	<b>\$124.00</b>	<b>\$155.56</b>	<b>.....</b>	<b>.....</b>	<b>\$1,343.96</b>



TABLE NO. 2—SHOWING COLLECTIONS FROM THE SALE OF ELECTRIC CURRENT FOR THE YEAR ENDING OCTOBER 31, 1930—Con.  
TO STATE INSTITUTIONS

Name of Institution	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Industrial School for Girls ..	\$26.68	\$22.56	\$18.80	\$20.22	\$17.02	\$14.28	\$18.80	\$20.16	\$24.22	\$27.50	.....	.....	\$210.24
Reformatory for Negro Boys ..	19.46	18.08	14.22	18.08	21.56	19.36	21.50	18.76	19.56	13.52	.....	.....	184.10
Confederate Infirmary .....	17.80	14.94	11.26	11.80	8.28	6.82	6.02	7.14	7.62	11.08	.....	.....	102.76
State & Palmetto Sanatoriums	243.16	212.28	229.48	204.78	202.68	163.22	232.48	245.80	213.46	275.62	.....	.....	2,222.96
State Hospital .....	1,484.52	1,278.06	1,174.76	1,272.12	1,426.34	1,304.38	1,004.72	1,886.22	1,551.26	1,583.50	.....	.....	13,965.88
Governor's Mansion .....	15.12	16.92	10.24	13.28	13.44	15.82	12.34	11.04	17.16	16.54	.....	.....	141.90
State Capitol .....	412.58	373.50	431.68	310.22	265.88	228.18	213.54	232.98	280.34	337.76	.....	.....	3,087.26
State Office Building .....	218.00	167.80	195.80	187.80	185.20	176.80	165.80	199.00	165.60	180.40	.....	.....	1,842.20
University of S. C. .......	532.74	380.12	431.96	342.44	389.20	182.30	230.74	89.72	208.56	353.78	.....	.....	3,141.56
State Armory .....	1.20	.....	14.56	2.46	2.34	1.80	1.42	.98	1.00	1.20	.....	.....	26.96
State Penitentiary .....	438.12	361.76	391.32	400.24	381.94	344.46	354.72	303.60	402.88	437.76	.....	.....	3,816.80
State Highway Department ..	33.06	34.30	48.14	33.90	26.12	22.22	18.92	36.02	27.92	35.00	.....	.....	315.60
TOTALS .....	\$3,442.44	\$2,880.32	\$2,972.22	\$2,817.34	\$2,940.00	\$2,479.64	\$2,281.00	\$3,051.42	\$2,920.18	\$3,273.66	.....	.....	\$29,058.22

TABLE NO. 3—STATEMENT OF EXPENDITURES FOR FISCAL YEAR ENDING OCTOBER 31, 1930 SHOWING AMOUNT OF WATER CONSUMED BY VARIOUS INSTITUTIONS AND DEPARTMENTS

Institution—Department	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL
Woodrow Wilson Home .....	\$ .11	\$ .06	.....	\$ .06	.....	.....	\$ .22	\$ .11	\$ .06	\$ .06	.....	.....	\$ .68
State Capitol .....	8.87	10.49	\$16.95	10.21	\$15.61	\$21.14	19.87	28.67	22.44	12.40	.....	.....	166.65
State Office Building .....	14.42	20.48	20.14	15.03	25.19	26.14	37.47	39.66	26.37	29.23	.....	.....	254.13
University of S. C. ....	83.86	126.27	129.30	139.25	121.00	126.23	99.18	74.16	64.28	105.58	.....	.....	1,069.11
State Hospital .....	876.14	593.21	479.94	453.73	582.43	580.86	644.70	685.72	584.90	620.85	.....	.....	6,093.48
Confederate Infirmary .....	9.65	10.77	7.74	7.01	14.64	12.85	13.07	10.21	7.29	8.30	.....	.....	101.53
Governor's Mansion .....	1.18	1.85	7.91	4.32	17.00	12.90	13.69	17.11	11.95	10.27	.....	.....	97.68
Penitentiary .....	132.96	187.37	146.25	141.20	250.65	123.92	236.41	229.79	207.63	235.73	.....	.....	1,896.91
State Armory .....	.22	.28	.17	.17	.22	.17	.39	.22	.28	.34	.....	.....	2.46
TOTALS .....	\$1,118.41	\$950.28	\$808.40	\$770.98	\$1,026.74	\$909.21	\$1,065.00	\$1,085.65	\$925.20	\$1,022.76	.....	.....	\$9,682.63