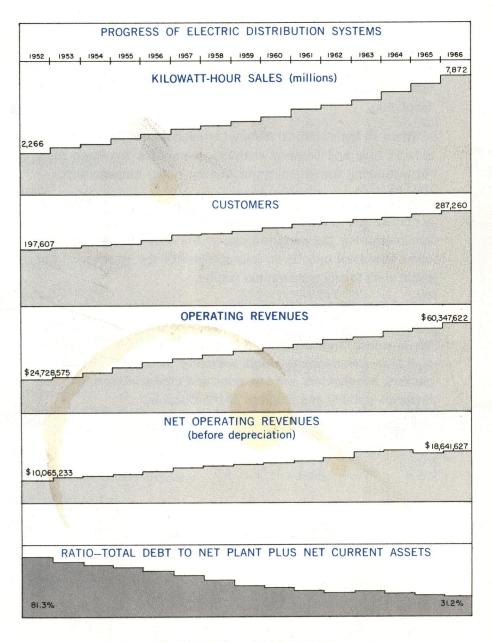
1966 FACTS AND STATISTICS

TWENTY-TWO PUBLIC UTILITY DISTRICTS IN WASHINGTON



R. W. BECK and ASSOCIATES

THE PURPOSE ...

... of this tabulation is to set forth, without evaluation, operating facts and statistics about the electric systems of the 22 Public Utility Districts in Washington owning and operating electric properties. Nine of the Districts included also own and operate water systems, which business is not reflected in the tabulation.

When all the statistical material tabulated for a District is considered fully and properly analyzed, it provides the basic tools for measuring the efficiency of electric utility management.

However, taking out of context only one or two of the items contained in this report and using them as a basis for comparing and measuring the performances of the Districts against each other would not only be an improper use of the information but could yield totally unwarranted results.

The items included in the tables were selected to provide, in condensed form and within the limitations of space available, the broadest range of detailed information possible for the use of P.U.D. Commissioners and operating personnel, investment bankers, bondholders and investors, and others interested in the financial stability and progress of the Districts.

This is our sixteenth annual tabulation of this information.



TEN-YEAR COMPARISON OF OPERATING DATA

ELECTRIC DISTRIBUTION SYSTEMS

		1966	1956	Per Cent Increase
Customers (Average): Total		287,260 248,403	227,679 196,756	26% 26
KWH Sales (000): Total		7,871,975 3,547,710	3,780,255 1,722,251	108 106
KWH per Customer: Total		27,404 14,282	16,603 8,753	65 63
Revenue from Energy Sales: Total		\$59,338,376 \$32,220,391	\$34,729,117 \$18,287,010	71 76
Annual Revenue per Customer: Total	:	\$ 207 \$ 130	\$ 153 \$ 93	35 40
Average Revenue per KWH: Total		0.75¢ 0.91¢	0.92¢ 1.06¢	(18) (14)
Operating Revenues		\$60,347,622 \$41,705,995 69.1%	\$35,366,258 \$21,769,973 61.6%	71 92 12
Total Taxes (Excl. Sales Tax)		\$ 4,086,946	\$ 2,076,970	97
Per Customer Costs: Distribution Expenses		\$ 18.97 \$ 8.42	\$ 13.41 \$ 6.47	41 30
Per Cent of Revenues: Sales Promotion Expenses Administrative and General Expenses .		1.7% 6.6%	1.0% 6.5%	70 2
Net Indebtedness: Total			\$67,421,934 \$ 1.91 \$ 296	(43) (66) (55)
Ratio of Total Debt to Net Plant Plus Net Current Assets		31.2%	64.1%	(51)

	Date of		omers erage)	Kilowatt-H (In Thou	
ELECTRIC DISTRIBUTION SYSTEMS	Initial Major Financing	Total	Resi- dential	Total	Resi- dential
Benton County—No. 1	8-15-46	12,491	10,352	398,317	177,982
Chelan County—No. 1	7-21-48	17,327	15,075	464,923	164,453
Clallam County—No. 1	7-16-44 ⁽¹⁾	6,669	5,737	117,577	86,637
Clark County—No. 1	12-1-45	39,178	35,385	1,043,685	563,815
Cowlitz County—No. 1	11-26-40 ⁽¹⁾	24,448	22,036	1,408,423	384,912
Douglas County—No. 1	5-11-45	5,828	4,653	229,391	69,584
Ferry County—No. 1	9-19-45	1,326	1,021	23,550	8,201
Franklin County—No. 1	11-1-47	9,008	7,065	210,834	102,133
Grant County—No. 2 (2) Grays Harbor County—No. 1	5-18-45 ⁽¹⁾	15,339	11,259	467,932	193,453
	1-16-40	24,883	20,917	617,926	286,968
Kittitas County—No. 1	7-1-39	781	661	15,627	10,033
Klickitat County—No. 1	4-1-47	5,451	4,507	100,841	52,163
Lewis County—No. 1	9-22-48 ⁽¹⁾	12,822	11,154	230,618	132,879
Mason County—No. 1	2-1-35	1,626	1,408	16,459	11,970
Mason County—No. 3 Okanogan County—No. 1	2-1-41 ⁽¹⁾	8,064	7,385	137,868	71,276
	5-11-45	9,981	7,660	193,521	87,752
Pacific County—No. 2 Pend Oreille County—No. 1	1-22-40	8,565	6,624	116,055	71,792
	6-4-49	3,124	2,656	86,311	30,470
Skamania County—No. 1	7-6-39	2,499	2,049	49,972	22,403
Snohomish County—No. 1	9-1-49	76,204	69,541	1,855,685	1,001,488
Wahkiakum County—No. 1	2-1-40	1,645	1,258	22,233	17,346
Whatcom County—No. 1	5-1-54	1	—	64,227	—
Totals and Averages		287,260	248,403	7,871,975	3,547,710

⁽¹⁾ A minor amount of indebtedness to finance certain utility properties was incurred prior to this date.

Energy Cor	Energy Consumption Revenue from Electric Annual Revenue Average Revenue F						Revenue Per
Per Custon	ner (KWH)	Energy			stomer	KW	'H Sold
Total	Resi- dential	Total	Resi- dential	Total	Resi- dential	Total	Resi- dential
31,888 26,832	17,193 10,909	\$ 3,000,696 4,001,288	\$ 1,617,390 1,657,316	\$240 231	\$156 110	.75¢	.91¢
17,630	15,101	1,425,699	1,005,360	214	175	1.21	1.16
26,640	15,934	8,195,801	5,089,480	209	144	.79	.90
57,609	17,467	6,740,831	3,075,502	276	140	.48	.80
39,360	14,955	1,403,856	719,379	241	155	.61	1.03
17,760	8,032	350,369	143,581	264	141	1.49	1.75
23,405	14,456	1,913,838	968,050	212	137	.91	.95
30,506	17,182	3,918,768	1,711,842	255	152	.84	.88
24,833	13,719	4,298,989	2,299,359	173	110	.70	.80
20,009	15,179	160,550	108,100	206	164	1.03	1.08
18,500	11,574	1,148,572	645,096	211	143	1.14	1.24
17,986	11,913	2,296,399	1,257,395	179	113	1.00	.95
10,122	8,501	239,638	171,509	147	122	1.46	1.43
17,097	9,651	1,323,289	894,365	164	121	.96	1.25
19,389	11,456	1,926,942	886,992	193	116	1.00	1.01
13,550	10,838	1,218,354	736,487	142	111	1.05	1.03
27,628	11,472	665,873	303,215	213	114	.77	1.00
19,997	10,934	485,042	236,699	194	116	.97	1.06
24,352	14,401	14,128,252	8,502,330	185	122	.76	.85
13,516	13,789 —	260,680 234,650	190,944	158	152 —	1.17 .37	1.10 —
27,404	14,282	\$59,338,376	\$32,220,391	\$207	\$130	.75¢	.91¢

^{(2) 12} months ended 11-30-66.(3) Serves one industrial customer.

ELECTRIC DISTRIBUTION SYSTEMS	Operating Revenues	Operating Expenses Including Taxes	Total Taxes Excluding Sales Tax	Operating Ratio Per Cent	30
Benton County—No. 1	\$ 3,028,952	\$ 2,101,281	\$ 225,026	69.4%	
Chelan County—No. 1	4,067,392	2,720,558	361,970	66.9	
Clallam County—No. 1	1,488,777	879,734	95,175	59.1	
Clark County—No. 1	8,360,742	5,899,236	526,802	70.6	
Cowlitz County—No. 1	6,882,864	5,117,898	553,808	74.4	2
Douglas County—No. 1	1,425,670	1,022,434	88,997	71.7	
Ferry County—No. 1	356,507	196,647	22,974	55.2	
Franklin County—No. 1	1,981,106	1,352,228	163,440	68.3	
Grant County—No. 2 (1) Grays Harbor County—No. 1	4,052,074 4,329,342	3,041,729 3,101,759	226,104 265,493	75.1 71.6	2
Kittitas County—No. 1	163,361	116,266	10,752	71.2	
Klickitat County—No. 1	1,159,572	800,348	66,715	69.0	
Lewis County—No. 1	2,330,225	1,523,372	144,072	65.4	
Mason County—No. 1	241,850	172,491	11,135	71.3	
Mason County—No. 3	1,344,915	1,024,937	59,296	76.2	
Okanogan County—No. 1	1,946,663	1,277,644	159,426	65.6	
Pacific County—No. 2 Pend Oreille County—No. 1	1,231,945 699,784	878,215 484,991	73,118 37,779	71.3 69.3	Chromotop.
Skamania County – No. 1	522,276	382,436	35,959	73.2	O N
Snohomish County – No. 1	14,235,326	9,249,312	928,053	65.0	
Wahkiakum County—No. 1	263,629	176,000	17,712	66.8	
Whatcom County—No. 1	234,650	186,479	13,140	79.5	
Totals and Averages	\$60,347,622	\$41,705,995	\$4,086,946	69.1%	

	Operatir Per Cus	ng Costs stomer	Per C Reve	ent of enues	Miles of	Custom
Coverage Maximum Annual Debt Service, Times Earned	Distribution Expenses	Customer Accounting & Collecting Expenses	Sales Promotion Expenses	Admin. and General Expenses	Lines Owned 33 KV and Less	System Coincidental Maximum Demand (KW)
6.75	\$22.20	\$ 8.20	1.2%	5.3%	522	87,868 ⁽⁴⁾
2.77	18.50	8.01	3.1	9.7	877	78,532
4.63	15.25	11.49	3.6	12.1	552	28,807 ⁽⁴⁾
4.17	19.73	8.71		6.5	1,261	216,418
3.91	16.96	6.90	.9	6.6	875	211,037
1.54	19.04	6.99	2.6	7.2	1,138	41,143 ⁽⁴⁾
1.34	32.44	10.13	.7	9.7	824	4,609
2.99	14.01	10.49	2.2	8.1	483	43,695
2.27	39.73 18.57	14.76 7.43	2.3	5.1 6.1	2,047 1,003	108,000 128,440
1.17	19.31	9.39	1.4	15.9	270	3,650
1.39	25.89	9.95	4.1	11.9	1,110	22,346
3.69	18.27	9.48	1.0	6.3	1,154	51,860
2.25	29.57	8.02		14.6	144	4,037 ⁽⁴⁾
1.87	28.90	10.47	1.1	10.5	708	27,936 ⁽⁴⁾
4.07	22.41	8.80	1.3	8.8	946	35,482
3.98	20.46	7.02	1.2	10.3	465	29,233 ⁽⁴⁾
1.45	24.58	7.91	1.4	12.7	171	16,990
3.83	33.38	8.12	1.6	9.8	500	11,837
3.78	12.39	7.12	1.3	3.8	2,181	405,904
3.82 1.10	21.71	9.02	.9 —	8.1 9.3	435 —	5,906 8,400
3.45	\$18.97	\$ 8.42	1.7%	6.6%	17,666	1,572,130(4)

^{(1) 12} months ended 11-30-66.

⁽²⁾ Not comparable.(3) Serves one industrial customer.(4) Non-coincidental.

			Per Emplo	oyee Statistics	s.,
ELECTRIC DISTRIBUTION SYSTEMS	Number of Employees End of Period	Customers	KWH Sales (000)	Operating Revenues	Operating Expenses Excl. Taxes Prod. & Pur. Pwr.
Benton County—No. 1	72	173	5,532	\$42,069	\$ 8,026
Chelan County—No. 1	116	149	4,008	35,064	8,449
Clallam County—No. 1	57	117	2,063	26,119	6,105
Clark County—No. 1	237	165	4,404	35,277	8,254
Cowlitz County—No. 1	131	187	10,751	52,541	8,535
Douglas County—No. 1	41	142	5,595	34,772	7,138
Ferry County—No. 1	12	111	1,963	29,709	7,835
Franklin County—No. 1	55	164	3,833	36,020	7,703
Grant County—No. 2 (2) Grays Harbor County—No. 1	116	132	4,034	34,932	9,798
	107	233	5,775	40,461	9,367
Kittitas County—No. 1	7	112	2,232	23,337	7,316
Klickitat County—No. 1	34	160	2,966	34,105	11,204
Lewis County—No. 1	61	210	3,781	38,200	8,605
Mason County—No. 1	11	148	1,496	21,986	8,793
Mason County—No. 3	49	165	2,814	27,447	9,650
Okanogan County—No. 1	52	192	3,722	37,436	9,748
Pacific County—No. 2 Pend Oreille County—No. 1	49	175	2,368	25,142	7,705
	18	174	4,795	38,877	11,127
Skamania County—No. 1	15	167	3,331	34,818	10,869
Snohomish County—No. 1	293	260	6,333	48,585	7,535
Wahkiakum County−No. 1	8	206	2,779	32,954	9,341
Whatcom County→No. 1	-	-	—	—	—
Totals and Averages	1,541	186	5,108	\$39,161	\$ 8,427

⁽¹⁾ By "Net Indebtedness" is meant the total Long-Term Debt Outstanding less the amount set aside for retirement of debt and less the amount of Net Current Assets and Special Funds.

Net Indebtedness (1)		Ratio—Tot Net Plant Current	Plus Net	Total Long-Term Debt Outstanding			
As of 12-31-66	Per Dollar Reve- nue	Per Cus- tomer	As of Initial Major Financing	As of 12-31-66	As of 12-31-66	Increase Year 1966 (Decrease)	
\$ 219,194	\$.07	\$ 18	105.5%	21.4%	\$ 1,702,680	\$ (122,015)	
3,282,145	.81	189	105.0	39.9	7,540,000	(296,000)	
914,705	.61	137	98.3	27.4	1,525,000	(79,000)	
7,048,933	.84	180	92.1	39.4	9,089,216	(341,624)	
0	.00	0	102.0	10.7	1,985,000	(177,000)	
2,971,745	2.08	510	98.8	68.3	4,345,166	401,581	
1,728,332	4.85	1,303	99.7	85.9	2,008,717	6,970	
2,384,716	1.20	265	101.6	43.7	3,048,000	283,000	
5,443,131	1.34	355	93.4	42.7	6,921,000	(249,000)	
0		0	99.9	2.7	449,086	449,086	
666,194	4.08	853	99.5	88.9	823,990	45,155	
3,716,763	3.21	682		81.7	4,690,902	(186,148)	
1,481,305	.64	116	100.6	29.9	2,710,000	(300,000)	
556,058	2.30	342	99.6	54.3	665,778		
162,657	.12	20	84.7	36.3	1,801,000	1,197,000	
0		0	92.3	13.8	940,344	61,684	
137,147	.11	16	96.6	18.9	714,000	(67,000)	
1,516,155	2.17	485	102.3	75.9	1,939,000	(58,000)	
317,302	.61	127	93.7	36.0	681,733	(18,016)	
5,732,660	.40	75	105.5	24.9	14,516,360	(1,055,000)	
64,828	.25	39	95.4	22.9	224,000	(17,000)	
0	.00	0	91.6	21.4	135,000	(10,000)	
\$38,343,970	\$.64	\$ 133	102.6%	31.2%	\$68,455,972	\$ (513,009)	

^{(2) 12} months ended 11-30-66.(3) Not available.

HYDROELECTRIC GENERATION SYSTEMS	Date of Initial Major Financing	First Operation by PUD	Revenue Bonds Issued	Bonds Outstanding 12-31-66	Bonds Retired
Chelan County—No. 1 Rock Island Lake Chelan Rocky Reach	5-8-51 6-22-55 12-1-56	1953 1955 1961	\$ 73,670,536 21,219,964 273,944,375	\$ 68,880,000 16,903,000 254,889,000	\$ 4,790,536 4,316,964 19,055,375
Cowlitz County—No. 1 Lewis River-Swift—No. 2	7-1-57	1959	21,840,000(4)	19,826,000(4)	2,014,000
Douglas County—No. 1 Wells	10-16-63	(3)	202,600,000	202,600,000	_
Grant County—No. 2 (1) Priest Rapids Wanapum	7-9-56 7-16-59	1959 1963	166,000,000 195,000,000	152,012,000 195,000,000	13,988,000
Pend Oreille County—No. 1 Box Canyon	12-1-51	1955	23,935,000	19,991,000	3,944,000
Washington Public Power Supply System ⁽²⁾ Packwood	4-3-62	1964	13,700,000	13,700,000	_
NUCLEAR GENERATION SYSTEMS					
Washington Public Power Supply System ⁽²⁾					
Hanford	5-27-63	1966	122,000,000	122,000,000	_
Totals and Averages			\$1,113,909,875	\$1,065,801,000	\$48,108,875
	7		- 10 80 0 90 0		

Deaking	кwн		Operating	Net	Revenue	Averag Price	e Sale Per	
Peaking Capability KW	Sales (000,000's)	Operating Revenues	Expenses and Taxes	Operating Revenues	from Sale of Power	KWH-Mills	ĸw	
			*					
249,000(5)	1,905	\$ 4,684,155	\$1,470,077	\$ 3,214,078	\$ 4,600,091	2.41	\$18.47	
57,000	368	1,422,407	328,147	1,094,260	1,303,631	3.54	22.87	
812,000(5)	3,945	17,620,236	2,664,210	14,956,026	17,533,908	4.44	21.59	
74,000	195	1,448,937	135,306	1,313,631	1,448,937	7.43	19.58	
820,000	_		, <u>, –</u>	<u> </u>	_		_	
900,000(5)	4,354	9,355,867	2,044,675	7,311,192	9,355,867	2.15	10.40	
904,000(5)	4,399	12,873,320	2,396,377	10,476,943	12,873,320	2.93	14.24	
77,000	489	1,546,557	504,293	1,042,264	1,546,557	3.16	20.09	
							8	
31,500	76	698,322	158,386	539,936	698,322	9.19	22.17	
	1.0	R 2 - 81		Jin g				
	To design							
							=	
800,000(6)	990(7)	2,784,295(7)	104,229(7)	2,680,066(7)	2,784,295 ⁽⁷	(8)	(8)	
4,724,500	16,721	\$52,434,096	\$9,805,700	\$42,628,396	\$52,144,928	3.14(9)	\$15.90°	

⁽⁵⁾ Net after repayment of encroachment.
(6) Dual purpose capacity.
(7) Partial year only.
(8) Not representative.
(9) Excludes Wells and Hanford.

 ^{(1) 12} months ended 11-30-66.
 (2) The Washington Public Power Supply System is a municipal corporation of the State of Washington composed of 16 of the Public Utility Districts included in this report.
 (3) Under construction.
 (4) Does not include advance refunding bonds secured by investments in U.S. Government securities.

R. W. BECK and ASSOCIATES

ANALYTICAL AND CONSULTING ENGINEERS

Tower Building, Seattle, Washington

Western Federal Savings Building, Denver, Colorado

Columbus Bank Building, Columbus, Nebraska

First Federal Saving Building, Phoenix, Arizona

Sondra Powell Building-West, Orlando, Florida

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