Washington Public Power Supply System

A JOINT OPERATING AGENCY

P.O. BOX 968 301 FIFTH AVE. RICHLAND, WASHINGTON 99352 TELEPHONE (509) 946-9681

August 21, 1972

Docket No. 50-397

A. Giambusso, Deputy Director for Reactor Projects Directorate of Licensing U. S. Atomic Energy Commission Washington, D. C. 20545

Subject: AMENDMENT NO. 10 TO THE

APPLICATION FOR A CONSTRUCTION PERMIT

FOR THE HAMFORD NO. 2 REACTOR

Dear Mr. Giambusso:

Washington Public Power Supply System submits herewith Amendment No. 10 to its application for a construction permit for the Hanford No. 2 reactor. This filing includes three (3) signed originals and sixty-seven (67) copies of the Amendment.

This Amendment consists of our response to AEC questions of July 28, 1972.

A certificate confirming service of Amendment No. 10 upon the Chairman of the Board of Benton County Commissioners will be filed when acknowledgment of receipt thereof has been obtained.

Very truly yours,

J. D. STEIN

Managing Director

JJS:DLR:jk

Attachment

8409270439 840824 PDR FOIA COHEN84-603 PDR STATE OF WASHINGTON SS COUNTY OF BENTON

On this day personally appeared before me J. J. STEIN to me known to be the individual described in and who executed the within and foregoing instrument, and acknowledged that he signed the same as his free and voluntary act and deed, for the uses and purposes therein mentioned. Given under my hand and official seal this 21st day of August, 1972.

the State of Washington

County of Benton

INSTRUCTIONS FOR UPDATING THE PSAR

Volume 7

Section 15.0

Text - Add new pages Q.15.10-1, Q.15.10-2 and Q.15.10-3.

QUESTION 15.10 (July 28, 1972 letter from Roger Boyd)

In order to complete our review of your financial qualifications concerning your application for a permit to construct the Hanford Number Two Nuclear Plant, it will be necessary that you provide updated cost data for construction of the facility.

Information should consist of current estimates of total design and construction costs broken down as follows: (a) total nuclear production plant costs, (b) transmission, distribution and general plant costs, (c) nuclear fuel inventory cost for first cores, and (d) the total of these. This should be accompanied by a statement describing the basis from which the estimate is derived, and an indication of the amounts of these costs already expended or capitalized and the amounts expected to be expended or capitalized during the remainder of calendar year 1972. If fuel is to be acquired by lease or other arrangement than purchase, you should so state. The items included in the above categories should be as defined for accounts prescribed by the Federal Power Commission.

This information should be filed as an amendment to your application by August 25, 1972.

ANSWER

An updated cost estimate for construction of the Hanford No. 2 nuclear plant is given in Table Q.15.10-1. This estimate was derived from information supplied by Burns and Roe, Inc., R. W. Beck and Associates, and Washington Public Power Supply System staff. Costs are based on an assumption of three bond issues at coupon interest rates of 6%.

The costs already expended on the project and expected to be expended during the remainder of calendar year 1972, are given in Table Q.15.10-2

Fuel is to be acquired by purchase.

TABLE Q.15.10-1

CONSTRUCTION BUDGET

HANFORD NO. 2 NUCLEAR PLANT

FPC	Account	Amount			
Account	Name	211	louire	_	
320	Land and Land Rights	s	-0-	A/	
321	Structures and Improvements		42,734,000	-	
322	Reactor Plant Equipment		39,618,000		
323	Turbo-Generator Unit		88,770,000		
324	Accessory Electrical Equipment		17,270,000		
325	Miscellaneous Power Plant		867,000		
	a) Total Nuclear Production Plant Costs	\$	239,259,000		
353	Station Equipment and Switchyard		4,318,000		
390	Station Structures and Improvements		30,000		
399	Temporary Construction Facilities	_	3,043,000		
	b) Transmission, Distribution and General Plant Costs	\$	7,391,000		
120	Nuclear Fuel	_	35,143,000	<u>B</u> /	
	c) Nuclear Fuel Inventory Cost for First Core	\$	35,147,000		
	Sales Tax (Excluding Fuel)		12,329,000		
	Total Direct Construction Cost (Excluding Fuel)		258,979,000		
	Contingencies and Escalation		49,602,000		
	Engineering & Construction Management		18,439,000		
	Owner's Direct Cost		13,139,000		
	Subtotal (Excluding Fuel)	\$	340,159,000	<u>B</u> /	
	Other Costs		980,000		
	Capitalized Interest During Construction Gross Interest \$100,759,0	00			
	Less Estimated Interest Income from Investment of Construction Fund and Bond Reserve Fund 23,314,0				
	Net Net	\$	77,445,000		
	Financing, Legal and Miscellaneous Expenses including Bond Discount	-	12,173,000		
	TOTAL BOND ISSUE	\$	465,900,000	⊆/	
	A/ Annual rental charge to be included in oper	ati	on costs.		
	B/ As estimated by Burns & Roe, Inc.				
	C/ As estimated by R. W. Beck & Associates				

TABLE Q.15.10-2

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

HANFORD NO. 2 NUCLEAR PLANT

ESTIMATED PROJECT COST THROUGH DEC. 31, 1972

FPC		PCTD ¹⁾	Est. Cost	Total Estimated Cost
Account	Description	July 1972	Through Dec. 31	@ Dec. 31, 1972
320	Land and Land Rights	-0-		-0-
321	Structure and Improvements	-0-	345,000	345,000
322	Reactor Plant Equipment	46,000	1,349,000	1,395,000
323	Turbo-Generator Unit	24,000	-0-	24,000
324	Accessory Electrical Equipment	-0-	-0-	-0-
325	Miscellaneous Power Plant	-0-	-0-	-0-
353	Station Equipment and Switchyard	-0-	-0-	-0-
390	Station Equipment and Switchyard	-0-	-0-	-0-
399	Temporary Construction Facilities	-0-	807,000	807,000
120	Nuclear Fuel	-0-	-0-	-0-
	Engineering and Construction Mgmt.	4,250,000	1,535,000	5,791,000
	Owner's Cost	1,765,000	581,000	2,346,000
	Net Interest	(117,000)	91,000	(26,000)
	Financing	386,000	-0-	386,000
	TOTAL	\$6,360,000	\$4,708,000	\$11,068,000

¹⁾ PCTD - Project Cost to Date

To: HELEN GEARIN
ROOM 249-B
X-7340

From: O. L. Renberger

HANFORD NO. 2 CONSTRUCTION COST

	NUCLEAR PRODUCTION PLANT COST	DISTRIBUTION AND CENERAL COSTS	NUCLEAR FUEL INVENTORY COST	TOTAL
	\$239,259,000	\$ 7,391,000	\$35,143,000	\$281,493,000
Direct	11,959,000	370,000		12,329,000
Construction & Escalation	48,114,000	1,488,000		49,602,000
Construction Management and Engineering	17,886,000	553,000		18,439,000
Owners Cost	12,542,000	388,000	209,000	13,139,000
Interest (Net)	65,828,000	2,324,000	9,293,000	A CONTRACTOR OF THE PARTY OF TH
Financing	10,347,000	365,000	B 1,461,000	S 12,173,000
Other Cost 519	833,000	118,000	29,000	980,000
TOTAL	\$406,768,000	\$12,957,000	\$46,135,000	\$465,900,000

JTB:9/8/72

Lay Course



Washington Public Power Supply System

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August 21, 1972

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Very truly yours,

Managing Director

X 739/

JJS:DLR:jk

Attachment

const cost

. 4829

3 may

STATE OF WASHINGTON SS COUNTY OF BENTON

On this day personally appeared before me J. J. STEIN to me known to be the individual described in and who executed the within and foregoing instrument, and acknowledged that he signed the same as his free and voluntary act and deed, for the uses and purposes therein mentioned. Given under my hand and official seal this 21st day of August, 1972.

> Notary Public in and for the State of Washington

County of Benton

INSTRUCTIONS FOR UPDATING THE PSAR

Volume 7

Section 15.0

Text - Add new pages Q.15.10-1, Q.15.10-2 and Q.15.10-3.

QUESTION 15.10 (July 28, 1972 letter from Roger Boyd)

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This information should be filed as an amendment to your application by August 25, 1972.

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The costs already expended on the project and expected to be expended during the remainder of caleniar year 1972, are given in Table Q.15.10-2

Fuel is to be acquired by purchase.

TABLE Q.15.10-1

CONSTRUCTION BUDGET

HANFORD NO. 2 NUCLEAR PLANT

FPC	Account				
Account	Name	Ar	nount	-	
320	Land and Land Rights	\$	-0-	A/	
321	Structures and Improvements		42,734,000	-	
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323	Turbo-Generator Unit		88,770,000		
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			. 210 000		
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399	Temporary Construction Facilities		3,043,000		
	b) Transmission, Distribution and General Plant Costs	\$	7,391,000		*
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	c) Nuclear Fuel Inventory Cost for First Core	ş	35,143,000		~
	Sales Tax (Excluding Fuel)		12,329,000		
	Total Direct Construction Cost (Excluding Fuel)		258,979,000		
	Contingencies and Escalation		49,602,000		
	Engineering & Construction Management		18,439,000		
	Owner's Direct Cost		13,139,000		
	Subtotal (Excluding Fuel)	\$	340,159,000	B/	
			000 000		
	Other Costs Capitalized Interest During Construction		980,000		
	Gross Interest \$100,759,0	00			
	Less Estimated Interest Income				
	from Investment of Construction Fund and Bond Reserve Fund 23,314,0	00			
	Net	\$	77,445,000		
	Financing, Legal and Miscellaneous Expenses including Bond Discount		12,173,000		
	TOTAL BOND ISSUE	\$	465,900,000	⊆/	
	A/ Annual rental charge to be included in oper	ati	on costs.		
	B/ As estimated by Burns & e, Inc.				
	C/ As estimated by R. W. Beck & Associates				

TABLE Q.15.10-2

WASHINGTON PUBLIC POWER SUPPLY SYSTEM

HANFORD NO. 2 NUCLEAR PLANT

ESTIMATED PROJECT COST THROUGH DEC. 31, 1972

FPC Account	Description	PCTD ¹⁾ July 1972	Est. Cost Through Dec. 31	Total Estimated Cost @ Dec. 31, 1972
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321	Structure and Impro ements	-0-	345,000	345,000
322	Reactor Plant Equipment	46,000	1,349,000	1,395,000
323	Turbo-Generator Unit	24,000	-0-	24,000
324	Accessory Electrical Equipment	-0-	-0-	-0-
325	Miscellaneous Power Plant	-0-	-0-	-0-
353	Station Equipment and Switchyard	-0-	-0-	-0-
390	Station Equipment and Switchyard	-0-	-0-	-0-
399	Temporary Construction Facilities	-0-	807,000	807,000
120	Nuclear Fuel	-0-	-0-	-0-
	Engineering and Construction Mgmt.	4,256,000	1,535,000	5,791,000
	Owner's Cost	1,765,000	581,000	2,346,000
	Net Interest	(117,000)	91,000	(26,000)
	Financing	386,000	-0-	386,000
	TOTAL	\$6,360,000	\$4,708,000	\$11,068,000

¹⁾ PCTD - Project Cost to Date

BALANCE SHEET

PACKWOOD LAKE HYDRO ELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

June 30, 1967

ASSETS			LIABILITIES			
Hydrcelectric plant and properties - on the basis of cost, less allowance for depreciation of \$781,186 - Note C Sinking funds - consisting of United States Government securities of \$653,222, valued at the lower of amortized cost or market, cash of \$1,600, and advances to other funds - Kote B: Bond Reserve Account Bond Fund Interest Account	\$500,717 167,939	668,656	Bonded debt - Note B Packwood Lake Hydroelectric Project Revenue Bonds, maturing March 1, 2012: Series of 1962, 3-5/6% Series of 1965, 3-3/2% Accrued interest on bonded debt (\$166,910) and due other funds (payable from Bond Fund Reserve and Interest Accounts) Accounts payable from Construction Fund	\$10,500,000 	\$13,700,000	
Special funds - consisting of United States Government securities of \$154,824, valued at the lower of amortized cost or market,			Revenue Funds Accounts payable and accrued expenses Due to power purchasers	\$ 65,663 104,204	169,867	
cash of \$10,870 and advances to other funds - Note Bs Reserve and Contingency Fund Construction Fund	\$280,000 410,965	690,965	Unclaimed interest on bonded debt		1,124	Hanford
Revenue Fund: Cash United States Government securities - at the lower of amortized cost or market Accounts receivable from member purchasers Due from other funds Accorded interest on securities Prepaid insurance	\$ 60,370 73,811 105,009 11,085 9,231 361	259,867				rd No. 2
Special cash deposit for unclaimed interest		1,124				
Other assets - unbilled reimbursable cost Note C		. 795,552				
Deferred charge - unamortized debt discount end expense	i	223,690			\$14,995,458	2
See notes to financial statements.						EN

STATEMENT OF OPERATIONS

PACKWOOD LAKE HYDROELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

Year ended June 30, 1968

Operating revenues	(including unbilled
reimbursable cost	of \$262,119) -
Note C	

\$880,624

Operating expenses (exclusive of provision for depreciation shown below):

Supervision and engineering
Transmission of power
Maintenance
State privilege taxes
Miscellaneous operating expenses
General and administrative

8,992 68,216 8,207 14,964 14,451 45,292 160,122 720,502

Interest income (\$39,535) and adjustment of carrying value of United States Government securities

762,744

Other deductions:
Provision for depreciation (\$257,111) and
amortization of debt discount and expense Note C
Interest on bonded debt

262,119 500,625 762,744 NET REVENUE \$ -0-

BALANCE SHEET

PACKHOOD LAKE HYDRO ELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

June 30, 1968

. •	11,234,761	Bonded debt - Note B: Packwood Lake Hydreelectric Project Revenue Bonds, maturing March 1, 2012: Series of 1962, 3-5/8% Series of 1965, 3-3/4%	\$10,500,000 	113,70 ,000
\$502,274 _168,240	670,514	Accrued interest on bonded debt (\$166,910) and due other funds (payable from Bond Fund Reserve Account, Bond Fund Interest Account and Reserve and Contingency Fund)		172,023
282,142 326,788	608,930	Accounts payable from Construction Fund Revenue Fund: Accounts payable and accrued expenses Due to power purchasers Unc aimed interest on bonded debt	20,501 —— 91,254	8,535 111,755 3,081
66,200 44,512 73,704 5,113 9,231 2,995	201,755			
	3,081			
	1,057,671			
	218,682			
	\$502,274 _168,240 282,142 _326,783 66,200 44,512 73,704 5,113 9,231 _2,905	282,142 326,783 608,930 66,200 44,512 73,704 5,113 9,231 2,995 201,755 3,081 1,057,671	#11,234,761 Bonds, maturing Mirch 1, 2012: Series of 1962, 3-5/8% Series of 1965, 3-3/4\$ Accrued interest on bonded debt (\$166,910) and due other funds (payable from Bond Fund Reserve Account, Bond Fund Interest Account and Reserve and Contingency Fund) Accounts payable from Construction Fund Revenue Fund: Accounts payable and accrued expenses Due to power purchasers 282,142 226,783 608,930 Unc aimed interest on bonded debt 66,200 44,512 73,704 5,113 9,231 2,995 201,755 3,081 1,057,671	#11.232,761 Bonds, maturing March 1, 2012:

STATEMENT OF OPERATIONS

PACKWOOD LAKE HYDROELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

	Year ended	June 30, 1968
Operating revenues (including unbilled reimbursable cost: 1969 - \$261,899, 1968 - \$262,119) - Note C	\$897,796	\$880,624
Operating expenses (exclusive of provision		
for depreciation shown below):		
Supervision and engineering	8,204	
Transmission of power	67,563	THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN
Maintcnance	16,192	
State privilege taxes	14,290	
Miscellaneous operating expenses	9,171	
General and administrative	53,534	A SERVICE CONTRACTOR OF THE PROPERTY.
	168,954	COLUMN TO A PARTY OF THE PARTY
	728,842	720,502
Interest income (1969 - \$41,667; 1968 - \$39,535) and adjustment of carrying value of United		
States Government securities	33,277	42,242
	762,119	762,744
Other deductions:		
Provision for depreciation (1969 - \$256,891; 1968 - \$257,111) and amortization of debt		
discount and expense - Note C	261,899	262,119
Interest on bonded debt	500,220	
	762,119	THE RESERVE OF THE PERSON NAMED IN COLUMN 1

BALANCE SHEET

PACKNOOD LAKE HYDNO ELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM June 30, 1969

ASSLIS	June 30,	June 30,	LIABILITIES	June 30, June 30, 1969 1968
Hydroelectric plant and properties - on the basis of cost, less allecance for depreciation: 1969 - \$1,195,155; 1968 - \$1,038,297 - Note C	\$10,915,015 \$11,234,761		Bonded debt - Note B: Packwood Lake Hydroclectric Project Revenue Bonds, maturing March 1, 2012; Series of 1962, 3-5/82	
Sinking funds - consisting of United States Govern- ment securities of the jobs of anottized cost			Serice of 1965, 3-3/42	12,370,000 13,700,000
\$630,117; lvc3 - \$654,940, cast: 1969 - \$42,721: 1963 - \$15,574, and advances from or			Deferred gain on redemption of project revenue bonds - Note B	. 005'66
Sond Find Reserve Account Bond Find Interest Account	500,625	500,625	Accrued interest on bonded debt	1,050 7,346
Sond Fund Sciirtment Actount	789,165	667,535	Revenue Fund: Accounts payable and amounts due other funds	
Spec			Due pover purchasers	86,160 111,755
5300,967; 19:8 - \$254,779, cash: 1969 - \$27,639; 1958 - \$308,235, note receivable, and advances			Uncleimed interest on bonded debt	517, 721, 663 513, 589, 693
*3	280,000	325, 607		
Revenue Fund: Cash United States Covernment Securities - at the lower	1,746	66,200		
of profitzed tost or market and accound interest thereon Accounts receivable from nember purchasers. Note receivable and accrued interest thereon Due from other lands.	83,768 99,767 5,025 9,211	53,743		
Other asset - unbilled reimbursable cost - Note C	1,319,569	1,057,671		
Deferredarges - unamortized debt discount and expense.	213,674	218,682	See notes to financial statements.	
Special cash deposit for unclaimed interest	\$13,721,641	190 2 200 200 200 200 200 200 200 200 200	Certain a perist for 1968 have been recisestined on a brais consistent with 1969.	

STATEMENT OF OPERATIONS

PACKWOOD LAKE HYDROELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

	Year ende	d June 30
	1970	1969
perating revenues (including unbilled reimbur-		es le Negli
sable cost: 1970 - \$257,216; 1969 - \$261,899) -		
Note C	\$863,622	\$897,796
perating expenses (exclusive of provision		
for depreciation shown below):		
Supervision and engineering	8,921	8,204
Transmission of power	66,149	67,563
Maintenance	24,889	16,192
State privilege taxes	10,883	14,290
Miscellaneous operating expenses	12,716	9,171
General and administrative	54,072	53,534
	177,630	168,954
	685,992	728,842
ther income:		
Interest income (1970 - \$53,075; 1969 - \$41,667)		
and adjustment of carrying value of United		
States Government securities Accretion of deferred gain on redemption of	55,094	33,277
revenue bonds - Note B	3,589	-0-
	58,683	33,277
other deductions:	\$744,675	\$762,119
Provision for depreciation (1970 - \$255,797;		
1969 - \$256,891) and amortization of debt		
discount and expense - Note C	260,805	261,899
Interest on bonded debt	483,870	500,220
Interest on bonded debt	744,675	762,119
	177,075	1021222

BALANCE SHIET

PACKNOOD LAKE HYDRO ELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

June 30, 1970

ASSETS			LIABILITIES			
	June 30, 1970	June 30, 1969		June 30; 1970	June 30, 1969	
Hydroelectric plant and properties - on the basis of cost, less allowances for depreciation: 1970 - \$1,550,985; 1969 - \$1,295,188 - Note C Sinking funds - consisting of United States Government securities at the lower of amortized cost or market and accrued interest thereon: 1970 -	\$10,658,234	\$10,915,015	Bonded debt - Note B: Packwood Lake Hydroelectric Project Revenue Bonds, naturing March 1, 2012. Series of 1962, 3-5/8%. Series of 1965, 3-3/4%. Deferred gain on redemption of revenue bonds -	\$10,018,000 3,200,000 13,218,000	\$10,170,000 3,200,600 13,370,009	
\$660,302: 1969 - \$630,117, cash: 1970 - \$25,776: 1969 - \$42,721, and advances from or to other funds - Note B:			Note B Accred interest on bonded debt	161,112	162,923	
Bond Fund Enserve Account Ennd Fund Interest Account	500,625 161,139 24,254	500,625 162,932 125,605	Accounts payable from Construction Fund	-0-	1,050	
Special funds - consisting of United States Govern- ment securities at the lower of amortized cost or market and accrued interest thereon: 1970 -	810,686	709,165	Revenue Fund: Accounts payable and amounts due other funds Due power purchasers	51,191 26,708 77,899	30,220 55,940 86,160	
\$269,253: 1969 - \$360,967, cash: 1970 - \$3,586; 1969 - \$27,639, note receivable, and advances from or to other funds - Note B: Reserve and Contingency Fund Construction Fund	280,000	280,000 1,050 281,050	. Unclaimed interest on bonded debt	2,446	2,030	
Revenue Fund:	14,548	1,746				
United States Government securities - at the lower of amortized cost or market and accrued interest thereon Accounts receivable from member purchasers Note receivable and accrued interest thereon Due from other funds Prepaid insurance	47,525 95,368 4,065 31,393	99,767 5,025 9,211 1,645				
Other asset - unbilled reimbursable cost - Note C	1,576,785	1,319,569				
Deferred charges - unamortized debt discount and expense	208,666	213,674				
Special cash deposit for unclaimed interest	2,446	2,030		\$13,605,049	\$13,731,663	

STATEMENT OF OPERATIONS

PACKWOOD LAKE HYDROELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

		r ende	1970
erating revenues (including unbilled			
reimbursable cost: 1971 - \$257,055;			
1970 - \$257,216) - Note C	\$85	6,328	\$863,622
erating expenses (exclusive of provision for depreciation shown below):			
Supervision and engineering		8,98/	8,921
Transmission of power	6	5,434	66,149
Maintenance	3	6,851	24,889
State privilege taxes	1	2,341	10,883
discellaneous operating expenses	1	4,190	12,716
eneral and administrative	6	2,541	54,072
	20	0,344	177,630
	65	5,984	685,992
er income:	and the other states		
Interest income (1971 - \$63,905; 1970 - \$53,075 and adjustment of carrying value of United	5)		
States Government securities Accretion of deferred gain on redemption of	8	3,145	55,094
revenue bonds - Note B		3,749	3,589
		6,894	58,683
		2,878	744,675
ner deductions:	The State of Labor.		
rovision for depreciation (1971 - \$255,796;			
1970 - \$255,797) and amortization of debt		0 001	260 905
discount and expense - Note C.		0,804	260,805 483,870
Interest on bonded debt	2. CONTROL CONTRACTOR PROPERTY AND THE PROPERTY OF THE PROPERT	2,074	744,675
	_/4	2,878	744,073
	NET REVENUE \$		\$ -

See notes to financial statements. - whire

Hanford No. 2

ENLANCE SHEET

PACKAPOD LAKE HYDRO ELECTRIC PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

ASSETS			LIABILITIES		
		30,		June	30,
Nydroelectric plant and properties - on the basis of cost, less allowances for depreciation: 1971 - \$1,806,781; 1970 - \$1,550,965 - Note C		1970 \$10,658,234	Bonded dobt - Note B: Packwood Lake Hydroelectric Project Revenue Bonds. maturing March 1, 2012: Series of 1962, 3-5/82	1971	1970
Sinking funds - consisting of United States Government securities at the lower of amortized cost or market and accrued interest thereon: 1971 - \$666,310;			Series of 1965, 3-3/42	\$ 9,981,000 3,200,000 13,181,000	3,200,000 13,218,000
1970 - \$660,302; cash: 1971 - \$24,562; 1970 - \$25,776, and advances from or to other			Deferred gain on redemption of revenue bonds - Note 8	155,062	145,591
funds - Note B: Boad Fund Seserve Account	500,625	500,625	Accrued interest on bonded debt	160,657	161,112
Bond Fund Interest Account Bond Fund Retirement Account	160,683	161,139 24,254	Revenue Fund; Accounts payable and amounts due other funds		
	661,782	686,018	Due power purchasers	37,723	51,191
Reserve and Contingency Fund - consisting of United States Government securities at the lower of			[마음[] [마음[의 의사 왕이 의 경우 시원 기다.]	169,536	77,899
amortized cost or market and accrued interest thereon: 1971 - \$290,562; 1970 - \$269,243, cash: 1971 - \$1,250; 1970 - \$3,585, and advances from			Unclaimed interest on bonded debt	2,175	2,446
or to other funds - Note B	280,000	280,000			
Revenue Fund:					
United States Covernment securities - at the lower of	27,716	14,548			
amortized cost or market and accrued interest thereon	40,062	47,525			
Accounts receivable from member purchasers Note receivable and account incress thereon	99,730 3,125	95,3/8			
Due from other funds	50,890	31,393			
Prepaid insurance	3,413	102 4 10			
	224,936	192,829			
Other asset - unbilled reimbursable cost - Note C	1,833,840	1,576,785			
Deferred charges - unamortized dobt discount and expense	203,659	208,666			
Special cash deposit for unclaimed interest	2,175	2,646			
	\$13,000,00	\$10,405,03		112.0°1.122	22,03,03

STATEMENT OF OFERATIONS

HANFORD PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

From November 30, 1966 to August 31, 1967

Operating revenues - Note D	\$6,863,358	
Operating expenses (exclusive of provision for depreciation shown below): Power production Maintenance Micellaneous General and administrative	\$ 435,088 278,166 243,949 282,712 1,239,915	
Interest income from United States Govern- ment securities: September 1, 1966 to November 30, 1966 - Note D December 1, 1966 to August 31, 1967	5,623,443 102,169 405,875 508,044	
Other deductions: Interest on bonded debt: September 1, 1966 to November 30, 1966 - Note D December 1, 1966 to August 31, 1967	951,725 2,855,175 3,806,900	
Provision for depreciation and amortization of utility plant and debt discount and expense Write-down of United States Government securities to the lower of amortized cost or market	2,086,658 	

BALANCE SHEET

HANFORD PRO JECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

August 31, 1967

ASSETS		LIABILITIES	
Utility Plant - on the basis of cost - Note B: Electric generation facilities, less allowance for depreciation of \$1,692,066 Modifications and additions to facilities owned by the inited States Government, necessary to Project operation, less allowance for amortization of \$221,871	\$65,424,458 12,445,683	Hanford Project Electric Revenue Bonds, Series of 1963, 2.4% to 3.25% due September 1, 1967 through 1986, except \$62,410,000 due September 1, 1996, less matured bonds of \$3,310,000 shown below - Note C	\$118,690,000
Advances to Government agencies for construction work	257,854 \$ 78,1	Construction Funds Accounts payable Amounts withheld from contractors	\$ 278,080
Sinking funds - consisting of United States Govern- ment securities at the lower of amortized cost		- Unearned revenues - Note D	1,223,342
or market and accrued interest thereon. \$3,986,016, and cash of \$31,841, less amounts due other funds - Note Cs Bond Fund Reserve Account Bond Fund Interest Account	3,806,900	Revenue Fund: Accounts payable, \$56,043, and amounts due other funds Due power purchasers	63,533 1,322,133 1,395,66;
Bond Fund Interest Account Bond Fund Principal Account	14,579 76,290 3,8	97.769 Matured bonds - due September 1, 1967	3,310,022
Special funds - consisting of United States Govern-		Accrued interest on bonded debt	1,903,815
ment securities at the lower of amortized cost or market and accrued interest thereon. \$34,760,131, cash of \$73,990, and advances from or to other funds - Note C: Construction Fund Account Reserve and Contingency Fund Steam Payment Fund	31,308,378 2,500,000 116,856 33,9	Claims and commitments - Notes B and E	
Deferred charge - unamortized debt discount and expense	2,8	11,879	
Revenue Fund: Cath United States Government securities - at the lower of amortized cost or market and accrued interest thereon Due from other funds Inventories - at cost Prepaid Insurance	65,022 1,744,284 1,132,285 203,227 297,737 3,4	12.557	
Special cash deposits - Note C: Matured interest Bond redesption	1,903,815	13,815	
	1127,4		\$127,412,319
See notes to financial statements.			

STATEMENT OF OPERATIONS

HANFORD PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

	Year Ended August 31 1968	Nine Month Period Ended August 31, 1967
Operating revenues - Note D	\$6,655,407	\$6,863,358
Operating expenses (exclusive of provision for depreciation shown below):		
Power production	503,639	435,088
Maintenance	414,825	278,166
Miscellaneous	258,572	243,949
General and administrative	471,657	282,712
	1,648,693	1,239,915
그 사람이 가는 것이 되었다면 하는 것이 되었다면 하는 것이 되었다.	5,006,714	5,623,443
Other income: Interest income from United States Government securities Write-up (down) of United States Government securities to the lower of amortized	570,221	508,044
cost or market	87,553	(237,929)
THE RESIDENCE OF THE PERSON AND ADMINISTRATION OF THE PERSON OF THE PERS	657,774	270,115
Other deductions:	5,664,488	5,893,558
Interest on bonded debt Provision for depreciation and amortization	2,946,002	3,806,900
of utility plant	2,723,128	2,013,937
Amortization of debt discount and expense	82,456	72,721
Gain on redemption of Project revenue bonds - Note C	(87,098)	
	5,664,488	5,893,558
NET REVEN	NES \$ -0-	\$ -0-

HEET

MASHINGTON PUBLIC POWER SUPPLY SYSTEM

August 31, 1968

ASSETS	August 31 1968	August 31 1967	LIABILITIES	August 31 1968	August 31 1967
Utility plant and improvements - on the basis of cost - Note B: Electric generation facilities, less allowance for depreciation: 1968 - \$3,956,945; 1967 -			Hanford Project Electric Revenue Bonds, Series of 1963, 2.4% to 3.25% due in varying annual amounts through 1986, except \$35,770,000 due September 1, 1996, less matured bonds		
\$1.692.066	\$ 64,120,046	4 66 171 160	shown below - Note C	\$ 87,675,600	
Modifications and additions to facilities owned by the United States Government, necessary to	• 04,120,040	* 03,424,430	Deferred credits and advances: Deferred gain on redesption of project	• 67,675,000	\$118, <i>0</i> 30,000
Project operation, less allowance for amortizations			revenue bonds - Note C	3,621,477	
1968 - \$780,120; 1967 - \$321,871	13,431,601	12,445,683	Unearned revenues - Note D	2,877,854	1,223,34
Advances to Government agencies for construction work	58,659	238,947	Advances from power purchasers - Note B	107,832	
	77,610,306	78,109,038		6,601,.67	1,223,34
Sinking funds - consisting of United States Government			Construction Funds		
securities at the lower of amortized cost or			Accounts payable	745.5/4	202 00
market and accrued interest thereon: 1968 -			Amounts withheld from contractors	- 20165	278,080
\$1,052,036; 1967 - \$3,986,016, and cashs 1968 -				841,223	876,43
\$1,23,832; 1967 - \$91,841, less amounts due other			Revenue Funds		676,43
funds - Note C:			Accounts payable and amounts due other funds	214,583	129,33
Bond Fund Reserve Account	3,806,900	3,806,900	Due power purchasers	2,030,002	1,332,17
Bond Fund Retirement Account	73	-		2,3/8,185	1,461,46
	3,806,972	3,806,900	Matured bonds - due September 1, 1968	-12.01.03	19401940
Special funds - consisting of United States Govern-			and 1967	4,375,770	3,310,000
ment securities at the lower of amortized cost					
or market and accrued interest thereon: 1968 -			Matured interest on bonded debt	1,372,599	1,903,81
\$9,909,143; 1967 - \$34,769,131, cash: 1968 - \$050,602; 1967 - \$73,999, and advances from or					
to other funds - Note C:	1		Commitments - Note B		
Construction Fund Account	6,894,596	31,465,050	Commit chemes - 1014 o		
Reserve and Contingency Fund	2,500,000	2,500,000			
Steam Payment Fund	207,832	116,856			
	9,602,428	34,031,936			
Deferred charge - unamortized debt discount and expense	2,105,690	2,811,879			
levenue Funds	211071070	win. 1			
Cash	1,212,202	65,022			
United States Government securities - at the lower of					
amortized cost or market and accrued interest thereon	1,005,833	1,744,284			
Due from other funds and other receivables	1,521,663	1,132,235			
Inventories - at cost	196,795	233,227			
Prepaid insurance and other expenses	441,693	3:6,6:6			
	4,378,186	3,461,464			
pecial cash deposits - Note C:					
Matured interest	1,372,059	1,903,815			
Bond redemption	4,375,000	3,310,000			
	5,747,059	5,213,815		-	
	\$103 360 6/1 B	8127 /85 052		\$103,200,54. \$	27,485,052
	\$103,250,641	Land and dead			

See notes to financial statements.

Certain amounts for 1967 have been reclassified on a basis consistent with 1968.

STATEMENT OF OPERATIONS

HANFORD PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

	Year Ended August 31 1969	Year Ended August 31 1968
Operating revenues - Note D	\$6,901,148	\$6,655,407
Operating expenses (exclusive of provision for depreciation shown below):		
Power production	858,631	503,639
Maintenance	313,094	414,825
Miscellaneous	215,558	253,572
General and administrative	500,368	471,657
	1,887,651	1,648,693
	5,013,497	5,006,714
Other income: Interest income from United States Government securities Gain on redemption of Project revenue	633,730	570,221
bonds - Note C	129,339	87,098
	5,776,566	5,664,033
Other deductions: Interest on bonded debt Provision for depreciation and amortization	2,637,500	2,946,002
of utility plant Write-down (up) of United States Government securities to the lower of amortized	2,773,723	2,723,128
cost or market	290,140	(87,553)
Amortization of debt discount and expense	75,203	82,456
	5,776,566	5,664,033
NET REVEN		\$ -0-

BALANCE SHEET

HANFORD PRO JECT OF MASHINGTON PUBLIC POWER SUPPLY SYSTEM

Augus 31, 1969

ASSETS	August 31 1969	August 31 1968	LIABILITIES	August 31 1969	August 31 1968	
Of cost - Note B: Electric generation facilities, less allowance			Manford Project Electric Revenue Bonds, Series of 1963, 2.4% to 3.25% due in varying annual amounts through 1986, except \$35,770,000 due September 1, 1996, less matured bonds			
for depreciation: 1969 - \$6,249,417; 1968 - \$3,956,945 Modifications and additions to facilities owned by	\$61,974,332	\$ 64,120,046	shown below - Note C Deferred credits and advances: Deferred gain on redemption of project	\$83,020,000	\$ 87,675,000	
the United States Covernment, necessary to Project operation, less allowance for amortization:			revenue bonds - Fote C Unearned revenues - Note D	3,492,140 4,815,268	3,621,479	
1969 - \$1,261,372; 1968 - \$780,120 Advances to Government agencies for construction work	13,020,867	13,431,601		8,307,400	6,501,335	0
Sinking funds - consisting of United States Government securities at the lower of amortized cost or	75,035,704	77,610,306	Steam Payment Fund - advances from power purchasers - Note B	132,830	107,832	
market and accrued interest thereon: 1969 - \$3,873,733;			Construction Fund:			
1968 - \$4,052,936, and cash: 1969 - \$303; 1968 - \$120,892, less amounts due other funds - Note C:			Accounts payable Amounts withheld from contractors	83,386 50,523	745,564	
Bond Fund Reserve Account Bond Fund Retirement Account	3,806,900	3,806,900	Revenue Fund:	133,560	841,229	
	3,806,972	3,806,972	Accounts payable and amounts due other funds	256,990	294,583	Į
Special funds - consisting of United States Government securities at the lower of amortized cost or market and accrued interest thereon: 1969 - \$8,403,651;			Due power purchasers	1,156,134	2,093,603	
1968 - \$9,909,143, cash: 1969 - \$1,327,351; 1968 - \$650,602, and advances from or to other funds - Nate C:			Matured bonds - due September 1, 1969 and 1968	4,655,000	4,375,000	
Construction Fund Account	5,988,154	- 6,894,596	Hatured interest on bonded debt	1,320,075	1,372,059	
Reserve and Contingency Fund Steam Payment Fund	2,500,000 237,830	2,500,000				
Deferred charge - unamortized debt discount and expense	8,720,984 2,030,487	9,602,428	Commitments and contingent liability -			
Revenue Fund:			Notes B and E			
Cash United States Government securities - at the lower of amortized cost or market and accrued interest	454,052	1,212,202				
thereon	983,584	1,005,833				
Due from other funds and other receivables	1,287,668	1,521,663				
Inventories - at cost Prepaid insurance and other expenses	235,050 195,780 3,156,134	196,795 441,593 4,373,186				
Special cash deposits - Note C:	3,120,134	4,370,100				
Matured interest	1,320,075	1,372,059				
Bond redemption	5,975,075	5,747,059				
	\$98,775,356	\$103,250,641	See notes to financial statement.	\$98,775,356	\$103,750,641	

STATEMENT OF OPERATIONS

HANFORD PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

The second secon			MINERAL DESIGNATION OF THE PERSON NAMED IN COLUMN 1997 AND THE PER
		Year Ended August 31,	Year Ended August 31,
		1970	1969
Operating revenues - Note D		\$ 6,307,267	\$6,901,148
Operating expenses (exclusive of provision for depreciation shown below):			
Power production and transmission		903,434	1,074,189
Maintenance		360,984	313,094
General and administrative		556,812	500,368
State taxes - Note F		90,094	-0-
Commence of the second		1,911,324	1,887,651
		4,395,943	5,013,497
Other income:			
Interest income from United States			
Government securities		697,116	633,730
Accretion of gain on redemption of		.,,,,,	
Project revenue bonds - Note C		129,339	129,339
Net write-up (down) of United States		PEN ANTONIO DE LA CAR	OFFICE TOP STATE
Government securities to the lower			
of amortized cost or market		158,422	(290,140)
		984,877	472,929
		5,380,820	5,486,426
Other deductions:			
Interest on bonded debt		2,525,780	2,637,500
Provision for depreciation and amortization			
of utility plant		2,779,837	2,773,723
Amortization of debt discount and expense		75, 203	75,203
	100	5,380,820	5,486,426
	NET REVENUE	\$ -0-	\$ -0-

See notes to financial statements.

Certain amounts for 1969 have been reclassified to conform with the 1970 presentation.

HAFFORD PRO ITCT OF WASHINGTON PUBLIC PURER SUPPLY SYSTEM

	August 31 1970	August 31 1969	LIABILITIES	August 31 1970	August 31 1969	
ASSETS			Hanford Project Electric Revenue Bonds,			
			Series of 1963, 2.67 to 3.257 due in varying			
Utility plant and improvements - on the basis			annual arounts through 1936, except			
f Vara B.			\$35,770,000 due September 1, 1996, less			
facilities less dilowines			matured bonds shown below - Note C	\$78,145,000	\$83,020,000	
for depreciation: 1970 - \$8,544,899; 1969 -	659 471 372	\$61,974,332	matured bonds shown below - note o	410,113,100	***********	
AV 448 433	425741.1		Deferred credits and advances:			
and additions to facilities owner by			Deferred gain on redesprion of project	3,362,802	3,492,140	
			revenue bonds - Kote C	6,964,566	4,615,268	
Serior regration, less allowance to: amount	12,673,772	13,020,867	Unearned revenues - Note D	10,327,368	8,307,408	
	58,987			10,527,500		
Advances to Government agencies for construction work	72,204,131	The second secon	Steam Payment Fund - advances from power			
	72,200,131	12,000,	purchasers - Note B	499,497	132,830	
Sinking funds - consisting of United States Government			purchasers - nors a			-
			Construction Fund:			
			Accounts payable	32,816	83,386	
market and accrued interest 1970 - \$4,187,360; 1969 - \$3,873,733, and cash: 1970 -			Amounts withheld from contractors	113,907	50,523	
\$4,187,360; 1909 - \$3,573,734, the other			Amounts withiners from contractors	146,723	133,909	
\$175,796; 1969 - \$303, less amounts due other						
funds - Note C:	3,806,900		Revenue Fund:			
Bord Fund Reserve Account	7	The state of the s	Accounts payable and amounts due other funds	239,070	256,990	
Bond Fund Retirement Account	3,806,97	3,806,972	Due pover purchasers	1,321,553	899,144	
A Councement			The business and the same of t	1,560,623	1,156,134	
Special funds - c moisting of United States Covernment						
			Matured bonds - due September 1, 1970	4,875,000	4,655,000	I
and annual inverser thereon; area			and 1969	4,073,000	4,033,000	50
				2 2/2 500	1,320,075	Hanford
The same same of the same same same same same same same sam			Matured interest on bonded debt	1,263,598	1,320,073	0
1970 - \$49,895, and advances from or to other						H
funds - Note C:	6,052,70	5,988,154				\$2a
Construction Fund Account	2,500,00					Z
Reserve and Contingency Fund	599,49	The second second	Commitments - Notes B and E			NO
Steam Payment Fund	9,152,20	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.				
	1,955,28	4 2,030,457				N
Deferred charge - unamortized debt discount and expense	1,722,10					-
Revenue Fund:	92,37	454,052				
	3412					
Cosh United States Government securities - at the lower						
of amortized cost or market and accrued interest	* *** **	983,584				
	1,011,4					
Due from other funds and other receivables	2,004,6					
Die tron other tunes and event	228,1					
Inventories - at cost	223,9	The second second second second				
Prepaid insurance and other expenses	3,560,6	23 3,150,134				
Note Co.						
Special cash deposits - Note C:	1,263,5					
Matured interest	4,875,0			-		
Bond redemption	6,138,5	98 5,975,67		\$96,817,809	\$29,725,356	24
	696 817 9	09 598,725,35	financial gratements	annar state and		AMENI
	and the same of th	Threat Atom And	See notes to financial statements.			3
						-

STATEMENT OF OPERATIONS

HANFORD PROJECT OF WASHINGTON PUBLIC POWER SUPPLY SYSTEM

	Year Ended	August 31
	1971	1970
Operating revenues - Notes B and D	\$9,525,692	\$6,307,267
Operating expenses (exclusive of provision for depreciation shown below):		
Reactor availability - Note B	3,212,334	-0-
Power production and transmission	1,152,020	903,434
Maintenance	293,292	360,984
General and administrative	627,275	556,812
State taxes - Note F	24,877	90,094
	5,309,798	1,911,324
	4,215,894	4,395,943
Other income:		
Interest income from United States Government securities	651,685	697,116
Accretion of gain on redemption of	All the state of t	
Project revenue bonds - Note C	129,339	129,339
Net write-up of United States Government securities to the lower of amortized		
cost or market	261,203	158,422
	1,042,227	984,877
	5,258,121	5,380,820
Other deductions:		
Interest on bonded debt	2,403,905	2,525,780
Provision for depreciation and amortization	2,779,013	2,779,837
of utility plant	75, 203	75,203
Amortization of debt discount and expense	5,258,121	5,380,820
	NET REVENUE \$ -0-	\$ -9-

BALANCE SHEET
HANFORD PROJECT OF
MASHINGTON PUBLIC POWER SUSPEN SYSTEM

	August 31 1971	August 31 1970	LIABILITIES	August 31 1971	August 31 1970	
ASSETS	****	.,,,	Hanford Project Electric Revenue Bonds,			
Utility plant and improvements - on the basis			Series of 1963, 2.4 to 3.25, due in varying			
of meet - Vote Br			annual a pun's through 1986, except			
as a facilities less allowance for	\$57,246,333	eso 431 332	\$35,770,000 duc September 1, 1996, less			
1071 - 1071 - 10 816 3/7: 19/0 - 30,344,073	\$37,240,333	\$39,471,374	matured honds shown to ou - Kote C	\$73,010,000	\$78,145,000	
- to the state of						
Walter & Seattle Countratent Decestary to Froject			Deferred redits and advances:			
reserving loss allocance for amortization;	12,192,652	12,673,772	Deferred gain on redemption of project	2 222 111	3,362,802	
1011 01 111 161 161 161 161 161 161	17,267	58,967	revenue hands - Note C	3,233,464	6,964,566	
Advances to Coverment agencies for construction work	69,450,252	72, 104, 131	Unearned revenues - Note D	9,374,689	0,304,300	-
	******		Advances from power purchasers for	1 000 000		
			increase in working capital	1,000,000	10,327,368	
Sinking and special funds - consisting of United States Government securities at the lower of smortized cost or				13,000,133	10,341,300	
Government securities at the 1900 1 1971 - \$11,708,576;			Steam Payment Fund - advances from power	782,833	499,497	100
market and accrued interest thereon. 1970 - \$13,196,837, and cash: 1971 - \$234,104;			purchasers - Note B	101,033	,	
1970 - \$13,196,337, and cash: 1970 - \$1,601,117, account receivable: 1971 - \$30,471;						100
1970 - \$49,893, and advances from or to other			Construction Fund:	33,472	32,816	
funds - Note C:			Accounts payable Amounts withheld from contractors	117,184	113,507	I
Sinking funds:			Amounts withheld true contractors	150,656	140,123	Hanford
Bond Fund Reserve Account	3,806,900	3,806,900				In
Bond Fund Retirement Account	72	72	Revenue Fund;			0
Bolla Falla Marriage	3,806,972	3,806,972	Accounts payable and amounts due other funds	216,872	239,070	0
Special funds:		4 052 204	Due to power purchasers	101,859	1,321,553	-
Construction Fund Accourt	6,031,504	6,052,704 2,500,000		310,731	1,560,623	No
Reserve and Contingency Fund		599,497				
Steam Payment Fund	7,332,503	9,152,201	Matured bonds - due September 1, 1971			
	11,139,775	12,959,173	and 1970	5,135,000	4,875,000	N
	11,137,117	14,737,111		1 201 062	1 262 508	1
			. Matured interest on bonded debt	1,201,953	1,263,598	
Revenue Fund:	271,771	92,374				
Cash						
United States Covernment Securities - at the						
lower of amornized cost or market and	1,757,854	1.011.457	Commitments - Notes B and E			
accrued interest thereon	962,843					
Due from other funds and other receivables	218,369	228,145				
Inventories - at cost Prepaid insurance and other expenses	107,894	223,995				
Prepaid insurance and other expenses	3,318,731	3,560,623				
Special cash deposits - Note C:						
Bond redesption	5,135,000	4,875,000				3
Matured interest	1,201,953	1,263,598				1
natures and the	6,336,953	6,138,598				S
Other asset - unbilled reimbursable cost - Note B	2,081,534	-0-				AMENDMENT
Deferred chargenamortized debt discount and expense	1,880,081	1,955,284		\$96, 207, 326	\$96.817.839	17
	\$94,297,326	596,817,509		and the same of th	44.	NO
	-		e to (inspela) statements			

QUESTION 15.2 (Jan. 20, 1972)

Provide evidence as to: (1) the authority upon which WPPSS relies for its issuance of bonds (or long-term financing) for this project, (2) the authorizations required for issuance of these bonds, (3) whether the authorizations have been obtained, (4) existing assurance and indications that the necessary authorizations can be obtained, (5) whether voter approval is necessary to issue the bonds, and (6) any formalities to be completed before the bonds will be ready for issue.

ANSWER

15.2(1) Authority to Issue Bonds:

Washington Public Power Supply System is a municipal corporation of the State of Washington. The authority of the Supply System to issue bonds was originally granted by the Washington State Legislature pursuant to Chapter 295, §6, laws of 1957, and further, pursuant to Chapter 8, §43.52.3341, laws of 1965. The specific provision authorizing the issuance of such bond is found in the Revised Code of Washington 43.52.3441, which reads as follows:

"Revenue Bonds or Warrants. For the purposes provided in this chapter, an operating agency shall have power to issue revenue bonds or warrants payable from the revenues of the utility properties operated by it. Whenever the Board of a joint operating agency shall deem it advisable to issue bonds or warrants to construct or acquire any public utility or works, plants or facilities or any additions or betterments thereto or extensions thereof it shall provide therefor by resolution, which shall specify and adopt the system or plan proposed and declare the estimated cost thereof as near as may be. Such cost may include funds for working capital, for payment of expenses incurred in the acquisition or construction of the utility and for repayment of advances made to the operating agency by any public utility district or city."

15.2(2) Authorizations for Issuing Bonds

As previously indicated in the Revised Code of Washington State, (RCW 43.52.3411), the Board of a joint operating agency is authorized to issue revenue bonds and is directed by law to "provide therefor, by resolution, which shall specify and adopt the system or plan proposed and declare the estimated cost thereof as near as may be". On December 4, 1970, the Board of Directors of Washington Public Power Supply System adopted Resolution No. 537 entitled, "A Resolution Providing a Plan and System for the Acquisition and Construction by Washington Public Power Supply System of a Utility System Constituting the Washington Public Power Supply System Nuclear Project No. 2, and Providing for the Issuance

> over

Q.15.2-1

of Revenue Notes for said Purposes". By this resolution the Board of Directors authorized the issuance and sale of \$15,000,000 in revenue notes, dated January 1, 1971, and to be redeemed and paid prior to July 1, 1974. Prior to the commencement of construction, the Supply System will issue additional revenue bonds to finance all or a portion of the costs of the construction of the Project. This authorization will be by resolution which will specify and adopt the system and plan for undertaking the Project.

In addition, the Supply System is required by Washington law (RCW 43.52.360) to obtain the approval of the legislative bodies of a majority of the members thereof. Prior to the adoption of Resolution No. 537, the Supply System obtained the formal approval of the legislative bodies of all of its members.

15.2(3) Status of Authorizations

As indicated in the previous response, the Supply System has obtained the authorization of all of its members to undertake the Project, as required by law. Further, the Supply System, through its Board of Directors, has adopted a plan and system resolution authorizing the issuance of the \$15,000,000 in revenue notes. No authorization has yet been obtained in the form of an appropriate resolution for the issuance and sale of additional revenue bonds to finance the construction of the Project. This step will be taken subsequent to the issuance by the Atomic Energy Commission of a Construction Permit and prior to the commencement of construction of the Project.

15.2(4) Indications that Authoria ons can be Obtained

On January 4, 1971, the Supply System entered into an agreement with 95 consumer owned utilities in the Pacific Northwest region. These agreements designated "Net Billing Agreements" provide the details of marketing and financing arrangements for the Project. A copy of a Net Billing Agreement is set forth in the Official Statement (Schedule I) which is contained in the Supply System's application for a Construction Permit. Pursuant to the arrangements described in these agreements and, based on the covenants contained therein, no additional assurances are required for the issuance of construction financing revenue bonds.

15.2(5) Need for Voter Approval

No voter approval is required for the issuance of revenue bonds required for the financing of project construction.

15.2(6) Formalities Before Bond Issue

Other than the adoption of a resolution specifically authorizing the issuance of revenue bonds to finance the construction of the Project, no further formalities or steps remain to be completed prior to the issuance of such revenue bonds. The Net Billing Agreements described above, together with the Project Agreement between the Bonneville Power Administrator and Washington Public Power Supply System, a copy of which is contained

in the Official Statement (Schedule I of the Application), provide the details of the financing and marketing arrangements necessary for the Project. The Supply System has previously issued and sold revenue bonds in the amount of \$122,000,000 in connection with the financing and construction of the Hanford Nuclear Generating Plant, constructed in connection with the New Production Reactor of the Atomic Energy Commission at the Hanford Project. In addition, revenue bonds have previously been issued and sold for the financing of the Packwood Lake Hydroelectric Project under similar circumstances.

QUESTION 15.3 (Jan. 20, 1972)

Provide evidence as to Applicant's ability to successfully market the bond issue. This preferably would be in the form of a letter of opinion from a recognized reputable bond house and should indicate the probable Moody's rating of the bonds when issued.

ANSWER

The ability to successfully market the bond issue has been evaluated by the Supply System's financial consultants, Lehman Brothers, Incorporated, and their judgment is expressed in the letter shown on the following page (Q.15.3-2).

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LEHMAN BROTHERS Incorporated LAZARD FRERES & CO.

January 28, 1972

Washington Public Power Supply Sustem P.O. Box 6510 Kennewick, Washington

Attention: Elmer A. Landin, Jr., Treasurer

Gentlemen:

The undersigned will be pleased to have Washington Public Power Supply System use this letter as evidence of its ability to successfully market bonds for its Nuclear Project No. 2.

We feel that we are fully qualified to give testimony on this subject as we have been serving WPPSS as Financial Advisors with respect to the Project for approximately two years. In such capacity we have participated in the structure of the basic documents which will afford strong security to the bonds and have studied the power needs of the area which will afford strong economic feasibility.

The fact that there were six bidders, with the best bid being for a 3.05% interest rate, for the \$15,000,000 of WPPSS three and a half year revenue notes sold in January, 1971, was a favorable demonstration of the attractiveness to investors afforded by WPPSS securities.

We are familiar with the latest estimate of the overall cost of the project and have 100% confidence in the ability of WPPSS to successfully market its bonds as funds are needed from time to time over the construction period.

The notes were rated A-1 by Moody's and AA by Standard & Poors'. We believe that Moody's will raise the rating on bonds to Aa, because by the time that bonds are issued engineering will be much further along than was the case when the notes were issued and hopefully the construction permit will have been granted.

Very truly yours,

Lehman Brothers Incorporated

By: Leo. J. Rayselale

Lazard Freres & Co?

By: for turning

QUESTION 15.4 (Jan. 20, 1972)

As soon as available provide for each of the years 1970 and 1971 copies of the Operating Statement and Balance Sheet information for the participants as disclosed in Table 1, Page 33, of Schedule I of the Application. For the year 1971, Depreciation Expense included in this table should be separately disclosed.

ANSWER

The updated Operating Statement and Balance Sheet information for the participants for the year 1970 is given in the following pages Q.15.4-2 through Q.15.4-4.

Data for the year 1971 will be submitted when available.



Table 1

Washington Public Power Supply System Nuclear Project No. 2 Participants

Summary of Financial and Statistical Data for 1970

	Districts (1)	Municipalities(2)	Cooperatives	Total
STATISTICS				
Customers:	201 120	365,859	106,626	753,663
Residential	281, 178 324, 222	4 . 138	128,846	866, 206
Total	The second second second	12, 171, 085	2, 684, 964	25, 660, 507
Kilowatt-hour Sales (000)	10, 800, 458	12, 11, 000	2, 004, 704	63,000,501
Kilowatt-hour Purchases (000):	044 274	171,429	220,677	1,256,380
BPA (NPR Exchange)	864, 274 10, 447, 265	3, 571, 449	2,710,684	16,729,398
Other BPA (Firm)	84, 490	1, 172, 682	41, 281	1, 298, 453
Interchange and Other (Net)	04, 470	1,172,002	41,601	110701177
Total Kilowatt-hour Purchases (000)	11, 396, 029	4, 915, 560	2,972,642	19, 284, 231
Kilowatt-hours Generated (000)(Net)		8, 210, 502	12, 265	8, 222, 767
Total Kilowatt-hour Requirement	11, 396, 029	13, 126, 062	2,984,907	27, 506, 998
Peak Demands - Kilowatts	2, 174, 562	2, 528, 111	681,198	5, 383, 871
Peak Demands - Kilowatts				
INCOME AND OPERATING STATEMENT				
Income:		* 05 334 004	\$ 32,696,691	\$ 206,609,240
Total Operating Revenues	\$ 78,538,453	\$ 95,374,096		5, 488, 767
Other Income (Non-operating)	1,335,537	3, 468, 217	685, 013	2,466,707
Total Income	\$ 79,873,990	\$ 98,842,313	\$ 33, 381, 704	\$ 212,098,007
Operating Expenses:				
Purchased Power:				
BPA (NPR Exchange)	\$ 2,691,537		\$ 800,078	\$ 3,938,034
Other BPA (Firm)	30, 703, 476	10,090,410	8, 369, 148	49, 163, 034
Interchange and Other (Net)	635, 742	4, 150, 316	137, 960	4, 924, 018
	\$ 34,030,755	\$ 14,687,145	\$ 9,307,186	\$ 58,025,086
- Total Purchased Power Expense	14, 408	5,667,883	33, 244	5, 715, 535
Generating Expense	14, 400	2,001,002	33,011	
Total Power Supply Expense	\$ 34,045,163	\$ 20,355,028	\$ 9,340,430	\$ 63,740,621
Other Expense (including Depreciation and				
Taxes)	31, 239, 447	60, 164, 794	17, 924, 742	109, 328, 983
Total Operating Expense	\$ 65,284,610	\$ 80,519,822	\$ 27,265,172	\$ 173,069,604
CONDENSED BALANCE SHEET				
Assets:				
Net Utility Plant	\$231,097,785	\$621,614,164	\$150, 489, 502	\$1,003,201,451
Other Property and Investments	36, 931, 043	26, 247, 985	7,465,709	70,644,737
Current Assets	35, 882, 639	68, 644, 982	12,990,330	117, 517, 951
Deferred Debits	7, 069, 722	8, 939, 758	574, 387	16, 583, 867
Total Assets	\$310, 981, 189	\$725, 446, 889	\$171, 519, 928	\$1,207,948,006
Liabilities:	\$106, 351, 076	\$390,775,000	\$129, 451, 303	\$ 626, 577, 379
Long-term Debts	17, 479, 808		3, 421, 544	46, 084, 752
Deferred Credits	2, 441, 708		614, 788	4, 003, 389
Reserves	348, 581		53,613	6,808,611
Contributions in Aid of Construction	4,518,639		4, 902, 763	18, 932, 223
Retained Earnings	179,841,377		33, 075, 917	505, 541, 652
Total Liabilities	\$310, 981, 189	-	\$171,519,928	\$1,207,948,006
PERCENT PARTICIPATION (3)	56.868	22.639	20. 493	100,000

^{(1) -} Public Utility Districts, Peoples Utility Districts, and one Irrigation District.

^{(2) -} Includes the City of Tacoma which is listed as a Participant but which has not entered into

a Net Billing Agreement.

(3) - As of the present time. May be modified prior to January 1, 1978 pursuant to Exhibit A of the Net Billings Agreement.

Hanford No. 2

		(2)	(3)	(4)	(3)	
				Estimated		The state of the s
			Anticipated	The state of the s	Share of Annual	Participant's
		de la constitución de la constit	Bonneville		lear Project	Share of
	THE RESIDENCE OF THE PARTY OF T	70 Statistics	Billings		8-1979 (B)	Project
Participant	Customers	Revenues	1978-1979(A)	6%	7%	Capability
City of Albion, Idaho	151	\$ 22,190	\$ 8,100	\$ 6,900	\$ 7,500	00.016
City of Bandon, Oregon	1,455	309,190	140,900	113,500	123,400	00, 263
Public Utility District No. 1 of Benton County, Washington	14, 183	4,078,571	3,047,300	2,308,600	2,510,300	05,350
Benton Rural Electric Association, Inc.	4,523	1,069,598	340, 300	287, 400	312,500	00.666
Big Bend Electric Cooperative, Inc	4,019	1,612,669	883,500	694, 700	755, 400	01.610
Blackly-Lane County Cooperative Electric Association	1,614	623,461	176,400	117,400	127,600	00.272
City of Blaine, Washington	955	186,567	96,500	79,800	86,800	00, 185
City of Bonners Ferry, Idaho	1,496	295, 115	94,600	78,500	85, 400	00.182
City of Burley, Idaho	3,215	734,851	372,500	299,500	325, 700	00,694
City of Canby, Oregon	1,669	300, 552	131,200	38,800	42, 200	00.090
City of Cascade Locks, Oregon	570	143,798	31,300	23, 300	25, 300	00, 054
Central Electric Cooperative, Inc	3,630	920, 691	306,300	252,900	275,000	00.586
City of Centralia, Washington	5,954	963,760	389, 200	318,900	346,700	00,739
Central Lincoln Peoples' Utility Discrict	15,600	5, 426, 225	2,187,600	1, 733, 400	1,884,800	04.017
City of Cheney, Washington	2,189	501, 373	284,100	232,600	252, 900	00.539
Public Utility District No. 1 of Clallam County, Washington	8,021	2, 127, 410	943,800	763,400	830,000	01.769
Public Utility District No. 1 of Clark County, Washington	\$7,372	11,527,677	6,045,700	2,654,300	2,886,200	06, 151
Clatskanie Peoples Utility District	2,125	1, 784, 898	1,298,800	861,300	936, 500	01.996
Clearwater Power Company	5,072	1, 196, 637	405,500	334, 400	363,600	00,775
Columbia Basin Electric Cooperative, Inc	2,894	878, 427	347,100	290, 400	315,800	00.673
	26.712		241,100	270, 400	313,000	60.013
Columbia Power Cooperative Association, Inc	1,199	395, 120	74,800	61,700	67,100	00, 143
Columbia Rural Electric Association, Inc	1,780	709, 466	389,600	328, 400	357,100	00.761
Consumers Power, Inc	7,797	2,085,272	331,800	195,500	212,600	00, 453
Coos-Curry Electric Cooperative, Inc	7,208	1,860,718	893,700	705, 100	766,700	01.634
City of Coulee Dam, Washington	506	154, 391	67,500	59,100	64,300	00.137
Public Utility District No. 1 of Cowlitz County Washington	27, 223	8, 354, 641	6,900,000	2, 384, 100	2, 592, 400	05, 525
City of Declo, Idaho	85	17,223	9,500	8,200	8,900	00,019
Douglas Electric Cooperative, Inc.	4,460	940, 411	472,900	156,600	170,300	00, 363
City of Drain, Oregon	529	163,251	114,700	94,100	102, 300	00.218
East End Mutual Electric Co., Ltd	274	44,853	16,800	14, 200	15,500	00.033
					17, 200	00.033
City of Ellensburg, Washington	4,734	959, 590	541,900	443,600	482,300	01.028
Fall River Rural Electric Cooperative, Inc	3,695	758,858	214,800	176,500	191,900	00,409
Farmers Electric Co., Ltd	163	15,045	22,700	17,700	19,200	00.041
Public Utility District No. 1 of Ferry County, Washington	1,404	406, 230	88,800	73,800	80,200	00.171
Flathead Electric Cooperative, Inc	3,466	676, 355	196,700	159,700	173,600	00.370
City of Forest Grave, Oregan	3,658	763, 910	129,100	78,100	84,900	00.181
Public Utility District No. 1 of Franklin County, Washington	9,364	2,596,940	1,333,400	1,022,700	1, 172, 000	02.370
Public Utility District No. 1 of Grays Harbor, Washington	27,012	5, 493, 788	3, 263, 700	1,326,900	1,442,800	03, 075
Harney Electric Cooperative, Inc	1,405	872, 250	375,200	310, 300	337, 400	00, 719
City of Heyburn, Idaho	586	380, 918	260,600	217, 500	236,500	00.504
Hood River Electric Cooperative of Hood River County, Oregon	1,989	536, 781	263,700	216,600	235,500	00. 502
Idaho County Light & Power Cooperative Association, Inc	1,456	317, 189	96, 900	80, 300	87,300	00.186
City of Idaho Falls, Idaho	12,539	2,816,446	1, 255, 100	1,025,300	1, 114, 900	02.376
Inland Power & Light Company	10,415	2, 377, 064	619,400	527, 300	573,400	01.222
Public Utility District No. 1 of Kittitas County, Washington	1,030	245, 189	114, 700	94, 900	103,200	00. 220
Public Utility District No. 1 of Klickitat County, Washington	5, 427	1, 359, 975	568,100	415 400	473 400	01 000
	3, 769	692,642		435,400	473, 400	01.009
Kootenai Electric Cooperative, Inc	6,774	1,601,549	206, 200	168,700	183, 500	00.391
Public Utility District No. 1 of Lewis County, Washington	14, 124	2,917,618	816,400 1,194,900	626,600 981,300	681,300 1,067,000	01.452
Lincoln Electric Cooperative, Inc. (Montana)	1,712	455,602	127, 800	110, 100		02. 274
sometime acceptate properative, they importantly a v v v v v v v v v v v	.,	4.7,000	141,000	110, 100	119,600	00.255

	(1)	(2)	(3)	(4)	157	101
			************	Estimated	Terrary to the same	Participant's
	Anticipated Participant's Share of Annual Bonneville Costs of Nuclear Project Fiscal 1970 Statistics Billings No. 2 1978-1979 (B)			roject Share of		
	The second secon	70 Statistics	Billings			Project
Participant	Customers	Revenues	1978-1979(A)	6%	Ta	Capability
Land Branch Committee Sec	1,217	\$ 257,192	\$ 107,000	\$ 87,200	\$ 94,800	00, 202
Lost River Electric Cooperative, Inc.	5,505	1, 341, 805	418,700	353,800	384,800	00.820
Lower Valley Power & Light, Inc.	2,079	334, 767	120,500	99,700	108, 400	00.231
Public Utility District No. 1 of Mason County, Washington	10,984	2, 219, 064	769, 400	524, 900	678,500	01,446
Public Utility District No. 3 of Mason County, Washington	585	187, 281	121,000	101,000	109,800	00.234
Town of McCleary, Washington	303	107, 201	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
City of McMinnville, Oregon	5,070	1,318,932	682,200	529,500	575, 700	01.227
Midstate Electric Cooperative, Inc	2,842	739, 966	270, 300	210,600	229,000	00, 488
City of Milton-Freewater, Oregon	3,089	555, 238	303, 100	251,600	273,500	00.583
City of Minidoka, Idaho	52	8,483	2,600	2,100	2, 300	00.005
Missoula Electric Cooperative, Inc	2,912	607, 213	155,400	126,900	137, 900	00.294
						** ***
City of Monmouth, Oregon	1,683	323, 722	157, 200	101,800	110, 700	00.236
Nespelem Valley Electric Cooperative, Inc	889	230,602	75, 700	64, 300	69, 900	00.149
Northern Lights, Inc	5,041	973,837	235, 100	196,300	213,500	00.455
Northern Wasco County People: Utility District	2, 305	440, 499	31,200	22,000	23,900	00.051
Okanogan County Electric Cooperative, Inc	804	153, 345	101,100	82,000	89,100	00.190
Walter Dallie District No. 1 of Changes County Washington	9,998	2, 453, 063	517, 500	449,600	488,900	01.042
Public Utility District No. 1 of Okanogan County, Washington	2,773	734, 403	401,000	312,800	340, 200	00.725
Orcas Power and Light Company	10,107	1,615,174	802,900	648,600	705, 200	01.503
Public Utility District No. 2 of Pacific County, Washington	6, 375	1,783,091	1,228,800	1,042,600	1,133,600	02.416
City of Port Angeles, Washington	285	61,716	10,500	8,200	8,900	00.019
Prairie Power Cooperative, Inc.						*****
Raft River Rural Electric Cooperative, Inc	1,641	888, 465	446,300	368, 100	400, 200	00.853
Ravalli County Electric Cooperative, Inc	1,673	432,500	157,700	129, 900	141, 200	00.301
City of Richland, Washington	8,691	2,297,429	1,488,000	1,191,400	1, 295, 500	02.761
Riverside Electric Company, Ltd	200	27, 162	10,000	8,600	9,400	00.020
City of Rupert, Idaho	1,931	419, 105	179,900	150, 100	163, 200	00.348
	1,587	347, 490	135,000	113,100	122,900	00.262
Rural Electric Company	5, 944	1,098,774	327,700	195,500	212,600	00, 453
Salem Electric	1,055	277, 267	90,600	73,400	79,800	00,170
Salmon River Electric Cooperative, Inc	258,677	53, 425, 387	7, 970, 700	3, 103, 900	3, 375, 000	07, 193
City of Seattle, Washington	2,411	626, 510	311, 300	236,000	256,700	00.547
Public Utility District No. 1 of Skamania County, Washington	2, 411	920, 200				
Public Utility District No. 1 of Snohomish County, Washington	97,620	21, 303, 360	16, 308, 200	6,628,800	7, 208, 800	15, 363
South Side Electric Lines, Inc	310	94, 413	38,100	31,500	34, 300	00.073
City of Springfield, Oregon	5, 156	1,150,655	236,000	156,600	170, 300	00.363
Town of Sumas, Washington	311	61,575.	25,000	20,700	22,500	00.048
Surprise Vailey Electrification Corporation	2,465	662,823	168,600	139, 400	151,600	00.323
City of Tacoma, Washington	81,227	25, 125, 073	7, 354, 300			00.000
	593	127,507	65,700	52,600	57, 200	00, 122
Tanner Electric	11,110	2, 394, 347	939, 400	746,100	811, 300	01.729
Tillamook Peoples Utility District	3,638	1,071,723	32,200	15,500	16,900	00.036
Umatilla Electric Cooperative Association	948	193, 125	107,000	88,000	95, 700	00, 204
Unity Light and Power Company	740					
Vera Irrigation District No. 15	2,869	502, 583	374, 2.0	302,500	328, 900	00.701
Vigilante Electric Cooperative, Inc	2,663	614, 237	152,700	126, 900	137, 900	00.294
Public Utility District No. 1 of Wahkiskum County, Washington	1,854	329, 924	176,300	141,500	153,900	00.328
Wasco Electric Cooperative, Inc	2,194	592,120	176, 300	147,600	160,500	00.342
West Oregon Electric Cooperative, Inc	2, 153	528, 348	99, 700	78,500	85,400	00.182
TOTAL	866, 206	\$206,609,240	\$82,373,700	\$43,152,000	\$46,921,000	100.00%

 ⁽A) - Based upon current Bonneville rate schedules. The next rate adjustment date for all power sales contracts is December 20, 1974.
 (B) - Based upon average annual costs; costs could be lower in early years.

(6)

AMERICMENT NO.

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Hanford No. 2