

**APPENDIX 5. Northwest Power Pool 1999-2000 Maintenance Schedule Outages of
Generating Units
(MEDIAN WATER)**

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
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USCE- Seattle District

LIBBY DOBLE AND ANNUAL MAINT	H	9/7/99 6:30	9/9/99 17:00	240	1,2	T1
LIBBY DOBLE AND ANNUAL MAINT	H	9/13/99 6:30	9/16/99 17:00	360	3-5	T2
LIBBY	H	8/30/99	10/1/99	120	2	ANNUAL
LIBBY	H	10/4/99	10/29/99	120	5	
		ANNUAL/WICKET GATE SEALS				
LIBBY	H	1/31/00	3/3/00	120	1	ANNUAL
LIBBY	H	3/6/00	4/7/00	120	2	ANNUAL
LIBBY	H	4/17/00	5/19/00	120	3	ANNUAL
LIBBY WICKET GATE SEALS	H	7/31/00	9/1/00	120	4	ANNUAL;
CHIEF JOSEPH O/H & PDA	H	06 JUL 99	11 AUG 99	88	9	4 YR
CHIEF JOSEPH OVERHAUL	H	02 AUG 99	05 AUG 99	88	6	ANNUAL
CHIEF JOSEPH OVERHAUL	H	09 AUG 99	12 AUG 99	88	11	ANNUAL
CHIEF JOSEPH O/H & PDA	H	16 AUG 99	22 SEP 99	88	10	4 YR
CHIEF JOSEPH OVERHAUL	H	23 AUG 99	26 AUG 99	88	12	ANNUAL
CHIEF JOSEPH OVERHAUL	H	30 AUG 99	02 SEP 99	88	13	ANNUAL
CHIEF JOSEPH OVERHAUL	H	13 SEP 99	16 SEP 99	88	14	ANNUAL
CHIEF JOSEPH OVERHAUL	H	20 SEP 99	23 SEP 99	88	15	ANNUAL
CHIEF JOSEPH O/H & PDA	H	27 SEP 99	21 OCT 99	109	25	4 YR
CHIEF JOSEPH DOBLE/PM	H	04 OCT 99	28 OCT 99	654	21-27	T6 & T7
CHIEF JOSEPH O/H & PDA	H	25 OCT 99	17 NOV 99	109	26	4 YR
CHIEF JOSEPH OVERHAUL	H	01 NOV 99	04 NOV 99	88	16	ANNUAL
CHIEF JOSEPH OVERHAUL	H	08 NOV 99	11 NOV 99	109	17	ANNUAL
CHIEF JOSEPH OVERHAUL	H	15 NOV 99	18 NOV 99	109	18	ANNUAL
CHIEF JOSEPH O/H & PDA	H	22 NOV 99	15 DEC 99	109	27	4 YR
CHIEF JOSEPH OVERHAUL	H	29 NOV 99	02 DEC 99	109	19	ANNUAL
CHIEF JOSEPH OVERHAUL	H	06 DEC 99	09 DEC 99	109	20	ANNUAL
CHIEF JOSEPH OVERHAUL	H	13 DEC 99	16 DEC 99	109	21	ANNUAL
CHIEF JOSEPH O/H & PDA	H	31 JAN 00	24 FEB 00	88	11	4 YR
CHIEF JOSEPH OVERHAUL	H	07 FEB 00	10 FEB 00	109	22	ANNUAL
CHIEF JOSEPH OVERHAUL	H	14 FEB 00	17 FEB 00	109	23	ANNUAL

CHIEF JOSEPH OVERHAUL	H	28 FEB 00	02 MAR 00	109	24	ANNUAL
CHIEF JOSEPH O/H & PDA	H	06 MAR 00	30 MAR 00	88	12	4 YR
CHIEF JOSEPH OVERHAUL	H	13 MAR 00	16 MAR 00	88	1	ANNUAL
CHIEF JOSEPH OVERHAUL	H	20 MAR 00	23 MAR 00	88	2	ANNUAL
CHIEF JOSEPH O/H & PDA	H	03 APR 00	27 APR 00	88	13	4 YR
CHIEF JOSEPH OVERHAUL	H	10 APR 00	13 APR 00	88	3	ANNUAL
CHIEF JOSEPH OVERHAUL	H	17 APR 00	20 APR 00	88	4	ANNUAL
CHIEF JOSEPH OVERHAUL	H	01 MAY 00	04 MAY 00	88	5	ANNUAL
CHIEF JOSEPH OVERHAUL	H	08 MAY 00	11 MAY 00	88	6	ANNUAL
CHIEF JOSEPH OVERHAUL	H	15 MAY 00	18 MAY 00	88	7	ANNUAL
CHIEF JOSEPH O/H & PDA	H	26 JUN 00	20 JUL 00	88	14	4 YR
CHIEF JOSEPH OVERHAUL	H	10 JUL 00	13 JUL 00	88	8	ANNUAL
CHIEF JOSEPH O/H & PDA	H	24 JUL 00	17 AUG 00	88	15	4 YR
CHIEF JOSEPH OVERHAUL	H	31 JUL 00	03 AUG 00	88	9	ANNUAL
ALBENI FALLS ANNUAL/RELAY ANNUAL MAINT	H	4/08/00	4/11/00	14.2	1	U-1
ALBENI FALLS ANNUAL/RELAY ANNUAL MAINT	H	4/15/00	4/18/00	14.2	2	U-2
ALBENI FALLS ANNUAL/RELAY ANNUAL MAINT	H	4/22/00	4/25/00	14.2	3	U-3
ALBENI FALLS DOBLE & ANNUAL MAINT.	H	6/27/00	6/27/00	14.2	1	T1
ALBENI FALLS DOBLE & ANNUAL MAINT.	H	6/28/00	6/28/00	14.2	2	T2
ALBENI FALLS DOBLE & ANNUAL MAINT.	H	6/29/00	6/29/00	14.2	3	T3

UTILITY PLANT BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK TO
USCE - Walla Walla District						
DWORSHAK MAINTENANCE	H	9/27/99	10/7/99	103	1	ANNUAL
DWORSHAK MAINTENANCE	H	10/18/99	11/4/99	103	2	TURBINE
DWORSHAK MAINTENANCE	H	11/29/99	12/9/99	253	3	ANNUAL
DWORSHAK DOBLE/ANNUAL	H	6/19/00	6/21/00	103	1	T-1
LOWER GRANITE	H	7/12/99	8/6/99	155	1	
LOWER GRANITE INSPECTION	H	8/9/99	8/19/99	155	2	ANNAL

LOWER GRANITE	H	8/17/99	8/17/99	155	1,2	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	8/18/99	8/18/99	155	3,4	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	8/19/99	8/19/99	155	5,6	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	8/23/99	9/2/99	155	3	ANNAL
INSPECTION						
LOWER GRANITE	H	9/13/99	9/23/99	155	4	ANNAL
INSPECTION						
LOWER GRANITE	H	9/20/99	9/20/99	155	1,2	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	9/21/99	9/21/99	155	3,4	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	9/22/99	9/22/99	155	5,6	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	9/27/99	10/21/99	155	5	
	CAVITATION OVERHAUL					
LOWER GRANITE	H	10/18/99	10/18/99	155	1,2	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	10/19/99	10/19/99	155	3,4	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	10/20/99	10/20/99	155	5,6	
	ESBS/VBS	TV INSP	3HRS/UNIT			
LOWER GRANITE	H	10/25/99	11/4/99	155	6	ANNUAL
INSPECTION						
LOWER GRANITE	H	12/16/99	12/16/99	155	6	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	12/20/99	12/20/99	155	5	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	12/21/99	12/21/99	155	4	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	12/22/99	12/22/99	155	3	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	12/27/99	12/27/99	155	2	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	12/28/99	12/28/99	155	1	REMOVE
ESBS 8-10HRS/UNIT						
LOWER GRANITE	H	2/1/00	2/24/00	155	ONE	TRASH
RAKING 8-10 HRS/UNIT						
LOWER GRANITE	H	3/15/00	3/30/00	155	ONE	INSTL
ESBS 8-10 HRS/UNIT						
LOWER GRANITE	H	5/15/00	5/18/00	155	ONE	
	ESBS/VBS	TV INSPT	3 HR/UNIT			
LOWER GRANITE	H	6/19/00	6/21/00	155	ONE	
	ESBS/VBS	TV INSPT	3 HR/UNIT			
LOWER GRANITE	H	7/16/00	7/27/00	155	1	ANNUAL
INSPECTION						
LOWER GRANITE	H	7/17/00	7/20/00	155	ONE	
	ESBS/VBS	TV INSPT	3 HR/UNIT			
LOWER GRANITE	H	7/31/00	7/26/00	155	3	ANNUAL
/ HEAD COVER						
L. GOOSE	H	02 AUG 99	12 AUG 99	155	3	ANNUAL
MAINTENANCE						
L. GOOSE	H	16 AUG 99	26 AUG 99	155	4	ANNUAL
MAINTENANCE						
L. GOOSE	H	17 AUG 99	18 AUG 99	155	ONE	VIDEO
INSPECTION OF VBS						
L. GOOSE	H	30 AUG 99	09 SEP 99	155	5	ANNUAL
MAINTENANCE						
L. GOOSE	H	13 SEP 99	23 SEP 99	155	6	ANNUAL
MAINTENANCE						
L. GOOSE	H	04 OCT 99	28 OCT 99	155	1	6-YEAR
MAINTENANCE						
L. GOOSE	H	16 NOV 99	17 NOV 99	155	ONE	VIDEO
INSPECTION OF VBS						
L. GOOSE	H	14 DEC 99	16 DEC 99	155	ONE	REMOVE
FISH SCREENS						
L. GOOSE	H	07 FEB 00	02 MAR 00	155	ONE	SEMI 'S
2 DAYS (ADJ.)						

L. GOOSE & RAKE TRASH DAILY	H	20 MAR 00	23 MAR 00	310	TWO	INTSL SBS
L. GOOSE MAINTENANCE	H	17 JUL 00	27 JUL 00	155	1	ANNUAL
L. GOOSE MAINTENANCE	H	31 JUL 00	10 AUG 00	155	3	ANNUAL
LWR. MON. MAINTENANCE	H	26 JUL 99	06 AUG 99	155	6	ANNUAL
LWR. MON. STS INSPECTION	H	03 AUG 99	03 AUG 99	155	ONE	U1-6
LWR. MON. MAINTENANCE	H	16 AUG 99	26 AUG 99	155	5	ANNUAL
LWR. MON. MAINTENANCE	H	06 SEP 99	16 SEP 99	155	4	ANNUAL
LWR. MON. STS INSPECTION	H	07 SEP 99	07 SEP 99	155	ONE	U1-6
LWR. MON. MAINTENANCE	H	27 SEP 99	07 OCT 99	155	3	ANNUAL
LWR. MON. STS INSPECTION	H	05 OCT 99	05 OCT 99	155	ONE	U1-6
LWR. MON. MAINTENANCE	H	18 OCT 99	28 OCT 99	155	2	ANNUAL
LWR. MON. STS INSPECTION	H	02 NOV 99	02 NOV 99	155	ONE	U1-6
LWR. MON. MAINTENANCE	H	06 DEC 99	17 DEC 99	155	1	ANNUAL
LWR. MON. STS, DAILY	H	16 DEC 99	17DEC 99	155	ONE	REMOVE
LWR. MON. STS, RAKE TRASH, DAILY	H	27 MAR 00	30 MAR 00	155	ONE	INSL
LWR. MON. STS INSPECTION	H	02 MAY 00	02 MAY 00	155	ONE	U1-6
LWR. MON. STS INSPECTION	H	06 JUN 00	06 JUN 00	155	ONE	U1-6
LWR. MON. STS INSPECTION	H	11JULY 00	11 JUL 00	155	ONE	U1-6
LWR. MON. MAINTENANCE	H	24 JUL 00	03 AUG 00	155	6	ANNUAL

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
ICE HARBOR	H	09 AUG 99	19 AUG 99	103	2	ANNUAL
ICE HARBOR INSPECTION	H	16 AUG 99	16 AUG 99	116	ONE	STS
ICE HARBOR	H	30 AUG 99	09 SEP 99	103	3	ANNUAL
ICE HARBOR XW 's, TW's, L2	H	31 AUG 99	02 SEP 99	229	3,4	DOBLE
ICE HARBOR	H	20 SEP 99	30 SEP 99	126	5	ANNUAL
ICE HARBOR INSPECTION	H	20 SEP 99	20 SEP 99	116	ONE	STS
ICE HARBOR	H	12 OCT 99	21 OCT 99	126	6	ANNUAL
ICE HARBOR INSPECTION	H	18 OCT 99	18 OCT 99	116	ONE	STS
ICE HARBOR	H	15 NOV 99	15 NOV 99	116	ONE	STS
ICE HARBOR INSPECTION	H	15 DEC 99	18 DEC 99	116	ONE	REMOVE
ICE HARBOR STS's	H	20 MAR 00	23 MAR 00	116	ONE	INSTALL
ICE HARBOR STS/RAKE TRASH	H	27 MAR 00	30 MAR 00	116	ONE	INSTALL
ICE HARBOR STS/RAKE TRASH	H	17 APR 00	17 APR 00	116	ONE	STS
ICE HARBOR INSPECTION	H	15 MAY 00	15 MAY 00	116	ONE	STS
ICE HARBOR INSPECTION	H	19 JUN 00	19 JUN 00	116	ONE	STS
ICE HARBOR	H	03 JUL 00	13 JUL 00	103	1	ANNUAL
ICE HARBOR INSPECTION	H	17 JUL 00	17 JUL 00	116	ONE	STS
ICE HARBOR	H	24 JUL 00	17 AUG 00	103	2	ANNUAL/BALDE INSPECT
MCNARY INSTALL	H	2-Aug-99	5-Aug-99	60	12	DACS
MCNARY INSTALL	H	2-Aug-99	9-Sep-99	60	11	DACS
MCNARY MAINTENANCE	H	16-Aug-99	19-Aug-99	60	1	ANNUAL
MCNARY MAINTENANCE	H	23-Aug-99	26-Aug-99	60	2	ANNUAL
MCNARY BUSHINGS	H	30-Aug-99	2-Sep-99	120	1,2	T1-1
MCNARY MAINTENANCE	H	7-Sep-99	9-Sep-99	60	3	ANNUAL
MCNARY INSTALL	H	7-Sep-99	7-Oct-99	60	12	DACS
MCNARY DOBLE TEST	H	13-Sep-99	16-Sep-99	120	13,14	T-7
MCNARY MAINTENANCE	H	20-Sep-99	23-Sep-99	60	6	ANNUAL
MCNARY MAINTENANCE	H	27-Sep-99	30-Sep-99	60	5	ANNUAL
MCNARY MAINTENANCE	H	4-Oct-99	7-Oct-99	60	8	ANNUAL
MCNARY INSTALL	H	12-Oct-99	14-Oct-99	60	14	DACS
MCNARY INSTALL	H	12-Oct-99	18-Nov-99	60	13	DACS
MCNARY MAINTENANCE	H	25-Oct-99	27-Oct-99	60	7	ANNUAL
MCNARY MAINTENANCE	H	1-Nov-99	9-Dec-99	60	4	9-YR
MCNARY INSTALL	H	15-Nov-99	16-Dec-99	60	14	DACS

MCNARY ESBS	H	16-Dec-99	16-Dec-99	60	13	REMOVE
MCNARY ESBS	H	20-Dec-99	20-Dec-99	60	12	REMOVE
MCNARY ESBS	H	20-Dec-99	20-Dec-99	60	11	REMOVE
MCNARY ESBS	H	21-Dec-99	21-Dec-99	60	10	REMOVE
MCNARY ESBS	H	21-Dec-99	21-Dec-99	60	9	REMOVE
MCNARY ESBS	H	22-Dec-99	22-Dec-99	60	8	REMOVE
MCNARY ESBS	H	22-Dec-99	22-Dec-99	60	7	REMOVE
MCNARY ESBS	H	27-Dec-99	27-Dec-99	60	6	REMOVE
MCNARY ESBS	H	27-Dec-99	27-Dec-99	60	5	REMOVE
MCNARY ESBS	H	28-Dec-99	28-Dec-99	60	4	REMOVE
MCNARY ESBS	H	28-Dec-99	28-Dec-99	60	3	REMOVE
MCNARY ESBS	H	29-Dec-99	29-Dec-99	60	2	REMOVE
MCNARY ESBS	H	29-Dec-99	29-Dec-99	60	1	REMOVE
MCNARY AND ESBS	H	14 MAR 2000	14 MAR 2000	80	1	SEMI
MCNARY AND ESBS	H	14 MAR 2000	14 MAR 2000	80	2	SEMI
MCNARY AND ESBS	H	15 MAR 2000	15 MAR 2000	80	3	SEMI
MCNARY AND ESBS	H	15 MAR 2000	15 MAR 2000	80	4	SEMI
MCNARY AND ESBS	H	16 MAR 2000	16 MAR 2000	80	5	SEMI
MCNARY AND ESBS	H	16 MAR 2000	16 MAR 2000	80	6	SEMI
MCNARY AND ESBS	H	20 MAR 2000	20 MAR 2000	80	7	SEMI
MCNARY AND ESBS	H	20 MAR 2000	20 MAR 2000	80	8	SEMI
MCNARY AND ESBS	H	21 MAR 2000	21 MAR 2000	80	9	SEMI
MCNARY AND ESBS	H	21 MAR 2000	21 MAR 2000	80	10	SEMI
MCNARY AND ESBS	H	22 MAR 2000	22 MAR 2000	80	11	SEMI
MCNARY AND ESBS	H	22 MAR 2000	22 MAR 2000	80	12	SEMI
MCNARY AND ESBS	H	23 MAR 2000	23 MAR 2000	80	13	SEMI
MCNARY AND ESBS	H	23 MAR 2000	23 MAR 2000	80	14	SEMI
MCNARY	H	07 AUG 2000	09 AUG 2000	80	1	ANNUAL
MCNARY	H	14 AUG 2000	16 AUG 2000	80	2	ANNUAL
MCNARY	H	21 AUG 2000	23 AUG 2000	80	3	ANNUAL
MCNARY	H	28 AUG 2000	30 AUG 2000	80	4	ANNUAL
MCNARY	H	05 SEP 2000	07 SEP 2000	80	5	ANNUAL
MCNARY	H	11 SEP 2000	13 SEP 2000	80	6	ANNUAL
MCNARY	H	18 SEP 2000	20 SEP 2000	80	7	ANNUAL
MCNARY	H	25 SEP 2000	27 SEP 2000	80	8	ANNUAL

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
MCNARY	H	02 OCT 2000	03 OCT 2000	80	9	ANNUAL
MCNARY	H	04 OCT 2000	05 OCT 2000	80	10	ANNUAL
MCNARY	H	10 OCT 2000	11 OCT 2000	80	11	ANNUAL
MCNARY	H	16 OCT 2000	17 OCT 2000	80	12	ANNUAL
MCNARY	H	18 OCT 2000	19 OCT 2000	80	13	ANNUAL
MCNARY	H	23 OCT 2000	24 OCT 2000	80	14	ANNUAL
MCNARY	H	18 DEC 2000	18 DEC 2000	60	14	SEMI &
ESBS						
MCNARY	H	18 DEC 2000	18 DEC 2000	60	13	SEMI &
ESBS						
MCNARY	H	19 DEC 2000	19 DEC 2000	60	12	SEMI &
ESBS						
MCNARY	H	19 DEC 2000	19 DEC 2000	60	11	SEMI &
ESBS						
MCNARY	H	20 DEC 2000	20 DEC 2000	60	10	SEMI &
ESBS						
MCNARY	H	20 DEC 2000	20 DEC 2000	60	9	SEMI &
ESBS						
MCNARY	H	21 DEC 2000	21 DEC 2000	60	8	SEMI &
ESBS						
MCNARY	H	21 DEC 2000	21 DEC 2000	60	7	SEMI &
ESBS						
MCNARY	H	26 DEC 2000	26 DEC 2000	60	6	SEMI &
ESBS						
MCNARY	H	26 DEC 2000	26 DEC 2000	60	5	SEMI &
ESBS						
MCNARY	H	27 DEC 2000	27 DEC 2000	60	4	SEMI &
ESBS						
MCNARY	H	27 DEC 2000	27 DEC 2000	60	3	SEMI &
ESBS						
MCNARY	H	28 DEC 2000	28 DEC 2000	60	2	SEMI &
ESBS						
MCNARY	H	28 DEC 2000	28 DEC 2000	60	1	SEMI &
ESBS						

UTILITY PLANT BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK TO
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USCE - Portland District

THE DALLES	H	29 JUN 99	16 AUG 99	88	7	BREAKER ANNUAL- SEMI/GD ACS
THE DALLES	H	29 JUN 99	23 SEP 99	88	1	ROTOR
REINSULATE/GDACS						
THE DALLES	H	26 JUL 99	13 SEP 99	76	8	BREAKER
ANNUAL-SEMI/GDACS						
THE DALLES	H	02 AUG 99	05 AUG 99	88	9	BREAKER
ANNUAL						
THE DALLES	H	09 AUG 99	12 AUG 99	163	9,10	T5
DOBLE TEST/PM						
THE DALLES	H	16 AUG 99	19 AUG 99	76	10	BREAKER
ANNUAL						
THE DALLES	H	23 AUG 99	26 AUG 99	88	11	BREAKER
ANNUAL						
THE DALLES	H	30 AUG 99	02 SEP 99	176	11,12	T6
DOBLE TEST/PM						
THE DALLES	H	06 SEP 99	09 SEP 99	88	12	BREAKER
ANNUAL						
THE DALLES	H	13 SEP 99	16 SEP 99	88	13	BREAKER
ANNUAL						
THE DALLES	H	20 SEP 99	23 SEP 99	176	13,14	T7
DOBLE TEST/PM						
THE DALLES	H	27 SEP 99	30 SEP 99	88	14	BREAKER
ANNUAL						
THE DALLES	H	27 SEP 99	24 JAN 00	88	14	BREAKER
ANNUAL						
THE DALLES	H	13 OCT 99	15 OCT 99	80	3	7 YR
OH/STUD REPLACEMENT/						ROTOR
REINSULATE/GDACS						
THE DALLES	H	04 OCT 99	07 OCT 99	88	13	BREAKER
ANNUAL						
THE DALLES	H	18 OCT 99	21 OCT 99	148	1,2	T1
DOBLE TEST/PM						
THE DALLES	H	25 OCT 99	28 OCT 99	99	21	BREAKER
ANNUAL						
THE DALLES	H	01 NOV 99	04 NOV 99	99	22	BREAKER
ANNUAL						
THE DALLES	H	08 NOV 99	11 NOV 99	99	16	BREAKER
ANNUAL						
THE DALLES	H	08 NOV 99	10 NOV 99	99	16	THRUST
COOLER REPAIR						
THE DALLES	H	09 NOV 99	27 DEC 99	60	2	MU2
BREAKER ANNUAL/						GDACS
INSTALLATION						
THE DALLES	H	15 NOV 99	18 NOV 99	198	15,16	T8
DOBLE TEST/PM						
THE DALLES	H	22 NOV 99	25 NOV 99	99	18	BREAKER
ANNUAL						
THE DALLES	H	29 NOV 99	11 JAN 00	14	F2	
OVERHAUL						
THE DALLES	H	29 NOV 99	02 DEC 99	99	19	BREAKER
ANNUAL						
THE DALLES	H	06 DEC 99	09 DEC 99	99	20	BREAKER
ANNUAL						
THE DALLES	H	13 DEC 99	16 DEC 99	99	17	BREAKER
ANNUAL						
THE DALLES	H	13 DEC 99	14 JAN 00	99	17	THRUST
COOLER REPAIR						

THE DALLES DOBLE TEST/PM	H	20 DEC 99	23 DEC 99	198	17,18	T9
THE DALLES OVERHAUL	H	27 DEC 99	16 FEB 00	99	15	
THE DALLES OVERHAUL	H	12 JAN 00	24 FEB 00	14	F1	
THE DALLES OVERHAUL	H	03 JAN 00	04 JAN 00	14	F1-2	
THE DALLES SEMI/GDACS INSTALLATION	H	03 JAN 00	21 FEB 00	88	4	
THE DALLES OVERHAUL	H	03 JAN 00	11 JAN 00	14	F2	
THE DALLES OH/STUD REPLACEMENT/	H	03 JAN 00	24 JAN 00	88	3	7 YR
						ROTOR
REINSULATE/GDACS						
THE DALLES	H	03 JAN 00	23 FEB 00	99	15	7 YR OH
THE DALLES ANNUAL	H	12 JAN 00	13 JAN 00	88	5	SEMI
THE DALLES OVERHAUL	H	12 JAN 00	24 FEB 00	14	F1	
THE DALLES FISHWAY DIVE INSPECT'N	H	12 JAN 00	13 JAN 00	14	F1-2	ADULT
THE DALLES ANNUAL	H	19 JAN 00	20 JAN 00	88	7	SEMI
THE DALLES ANNUAL	H	26 JAN 00	27 JAN 00	76	6	SEMI
THE DALLES ANNUAL	H	02 FEB 00	03 FEB 00	76	8	SEMI
THE DALLES ANNUAL	H	09 FEB 00	10 FEB 00	88	9	SEMI
THE DALLES ANNUAL	H	16 FEB 00	17 FEB 00	76	10	SEMI
THE DALLES SYNC	H	23 FEB 00	24 FEB 00	99	19	SEMI
THE DALLES SYNC	H	28 FEB 00	29 FEB 00	99	16	SEMI
THE DALLES SYNC	H	08 MAR 00	09 MAR 00	99	17	SEMI
THE DALLES SYNC	H	15 MAR 00	16 MAR 00	99	20	SEMI
THE DALLES SYNC	H	22 MAR 00	23 MAR 00	99	18	SEMI
THE DALLES SYNC	H	29 MAR 00	30 MAR 00	99	15	SEMI
THE DALLES ANNUAL	H	03 APR 00	04 APR 00	88	11	SEMI
THE DALLES ANNUAL	H	12 APR 00	13 APR 00	88	14	SEMI
THE DALLES ANNUAL	H	17 APR 00	18 APR 00	88	12	SEMI
THE DALLES ANNUAL	H	24 APR 00	25 APR 00	88	13	SEMI
THE DALLES ANNUAL	H	03 MAY 00	04 MAY 00	88	2	SEMI
THE DALLES ANNUAL	H	10 MAY 00	11 MAY 00	99	21	SEMI
THE DALLES ANNUAL	H	17 MAY 00	18 MAY 00	99	22	SEMI
THE DALLES ANNUAL	H	24 MAY 00	25 MAY 00	88	1	SEMI
THE DALLES ANNUAL	H	03 JUL 00	06 JUL 00	88	4	BREAKER
THE DALLES DOBLE TEST/PM	H	10 JUL 00	11 JUL 00	157	3,4	T2
THE DALLES ANNUAL	H	17 JUL 00	20 JUL 00	88	5	BREAKER
THE DALLES DOBLE TEST/PM	H	24 JUL 00	27 JUL 00	164	5,6	T3
THE DALLES ANNUAL	H	31 JUL 00	03 AUG 00	76	6	BREAKER

THE DALLES
ANNUAL

H

31 JUL 00

01 AUG 00

14

F1

SEMI

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
JOHN DAY OVERHAUL	H	08/02/99	09/02/99	155	5	6 YEAR
JOHN DAY INSPECT VBS/STS	H	08/23/99	08/23/99	65	ONE	VIDEO
JOHN DAY INSPECT VBS/STS	H	08/24/99	08/24/99	65	ONE	VIDEO
JOHN DAY INSPECT VBS/STS	H	08/25/99	08/25/99	65	ONE	VIDEO
JOHN DAY MAINTENANCE	H	09/13/99	09/15/99	155	1	ANNUAL
JOHN DAY OVERHAUL	H	09/13/99	10/14/99	155	6	6 YEAR
JOHN DAY MAINTENANCE	H	09/20/99	09/22/99	155	8	ANNUAL
JOHN DAY MAINTENANCE	H	09/27/99	09/29/99	155	9	ANNUAL
JOHN DAY INSPECT VBS/STS	H	09/27/99	09/27/99	65	ONE	VIDEO
JOHN DAY INSPECT VBS/STS	H	09/28/99	09/28/99	65	ONE	VIDEO
JOHN DAY INSPECT VBS/STS	H	09/29/99	09/29/99	65	ONE	VIDEO
JOHN DAY MAINTENANCE	H	10/04/99	10/06/99	155	2	ANNUAL
JOHN DAY MAINTENANCE	H	10/18/99	10/20/99	155	3	ANNUAL
JOHN DAY MAINTENANCE	H	10/25/99	10/27/99	155	7	ANNUAL
JOHN DAY MAINTENANCE	H	10/25/99	11/30/99	155	16	6 YEAR
JOHN DAY INSPECT VBS/STS	H	10/27/99	10/27/99	65	ONE	VIDEO
JOHN DAY INSPECT VBS/STS	H	10/28/99	10/28/99	66	ONE	VIDEO
JOHN DAY MAINTENANCE	H	11/01/99	11/03/99	155	10	ANNUAL
JOHN DAY MAINTENANCE	H	11/08/99	11/10/99	155	11	ANNUAL
JOHN DAY MAINTENANCE	H	11/15/99	11/17/99	155	12	ANNUAL
JOHN DAY MAINTENANCE	H	11/29/99	12/01/99	155	13	ANNUAL
JOHN DAY MAINTENANCE	H	12/06/99	12/08/99	155	14	ANNUAL
JOHN DAY MAINTENANCE	H	12/13/99	12/14/99	155	15	ANNUAL
JOHN DAY STS	H	12/16/99	12/16/99	155	ONE	REMOVE
JOHN DAY STS	H	12/21/99	12/21/99	155	ONE	REMOVE
JOHN DAY STS	H	12/22/99	12/22/99	155	ONE	REMOVE
JOHN DAY STS	H	12/23/99	12/23/99	155	ONE	REMOVE
JOHN DAY SEMI ANNUAL	H	01/24/00	01/26/00	155	5	BREAKER
JOHN DAY ANNUAL	H	01/31/00	02/02/00	155	1	SEMI
JOHN DAY ANNUAL	H	02/07/00	02/09/00	155	2	SEMI
JOHN DAY ANNUAL	H	02/14/00	02/16/00	155	3	SEMI
JOHN DAY ANNUAL	H	02/28/00	03/01/00	155	5	SEMI

JOHN DAY SEMI ANNUAL	H	03/06/00	03/08/00	155	6	UNIT
JOHN DAY ANNUAL	H	03/13/00	03/15/00	155	7	SEMI
JOHN DAY TRASH; INSTALL STS	H	03/20/00	03/20/00	155	ONE	RAKE
JOHN DAY TRASH; INSTALL STS	H	03/21/00	03/21/00	155	ONE	RAKE
JOHN DAY TRASH; INSTALL STS	H	03/22/00	03/22/00	155	ONE	RAKE
JOHN DAY TRASH; INSTALL STS	H	03/23/00	03/23/00	155	ONE	RAKE
JOHN DAY TRASH; INSTALL STS	H	03/27/00	03/27/00	155	ONE	RAKE
JOHN DAY ANNUAL	H	03/27/00	03/29/00	155	8	SEMI
JOHN DAY ANNUAL	H	04/03/00	04/05/00	155	9	SEMI
JOHN DAY ANNUAL	H	04/10/00	04/12/00	155	10	SEMI
JOHN DAY ANNUAL	H	04/17/00	04/19/00	155	11	SEMI
JOHN DAY ANNUAL	H	04/24/00	04/25/00	155	12	SEMI
JOHN DAY STS INSTECTION	H	04/24/00	04/24/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	04/25/00	04/25/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	04/26/00	04/26/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	04/27/00	04/27/00	65	ONE	VIDEO
JOHN DAY ANNUAL	H	05/01/00	05/03/00	155	13	SEMI
JOHN DAY ANNUAL	H	05/08/00	05/10/00	155	14	SEMI
JOHN DAY ANNUAL	H	05/15/00	05/17/00	155	15	SEMI
JOHN DAY ANNUAL	H	05/22/00	05/24/00	155	16	SEMI
JOHN DAY STS INSTECTION	H	05/22/00	05/22/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	05/23/00	05/23/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	05/24/00	05/22/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	05/25/00	05/22/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	06/26/00	06/26/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	06/27/00	06/27/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	06/28/00	06/28/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	06/29/00	06/29/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	07/24/00	07/24/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	07/25/00	07/25/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	07/26/00	07/26/00	65	ONE	VIDEO
JOHN DAY STS INSTECTION	H	07/27/00	07/27/00	65	ONE	VIDEO
JOHN DAY MAINTENANCE	H	07/31/00	08/31/00	155	3	6 YEAR

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
BONNEVILLE BLADE INSP AND REPAIR	H	7/19/99	8/5/99	60	8	TURB
BONNEVILLE INSP, ANNUAL MAINT	H	8/2/99	8/2/99	76	16	STS
BONNEVILLE INSP, ANNUAL MAINT	H	8/3/99	8/3/99	76	15	STS
BONNEVILLE INSP, ANNUAL MAINT	H	8/4/99	8/4/99	76	14	STS
BONNEVILLE INSP, ANNUAL MAINT	H	8/5/99	8/5/99	76	13	STS
BONNEVILLE INSP, ANNUAL MAINT	H	8/9/99	8/10/99	120	3,4	STS
BONNEVILLE INSP, T 3\4 ANNUAL MAINT	H	8/11/99	8/11/99	120	5,6	
BONNEVILLE INSP, T 7\8 ANNUAL MAINT	H	8/11/99	8/12/99	120	7,8	STS
BONNEVILLE INSPECT	H	8/12/99	8/12/99	60	1-6	STS
BONNEVILLE INSPECT	H	8/12/99	8/12/99	120	5,6	
BONNEVILLE INSPECT	H	8/16/99	8/19/99	76	9-13	STS
BONNEVILLE INSPECT	H	8/23/99	8/26/99	76	14-18	STS
BONNEVILLE INSP, T 5\6 ANNUAL MAINT	H	8/24/99	8/25/99	120	5,6	STS
BONNEVILLE INSP, T 5\6 ANNUAL MAINT	H	8/24/99	8/24/99	120	7,8	
BONNEVILLE INSP, T 5\6 ANNUAL MAINT	H	8/25/99	8/25/99	120	7,8	
BONNEVILLE INSPECT	H	9/13/99	9/16/99	60	1-5	STS/VBS
BONNEVILLE INSPECT	H	9/20/99	9/23/99	76	6-10	STS/VBS
BONNEVILLE INSPECT	H	9/27/99	9/30/99	76	11-18	STS/VBS
BONNEVILLE REHAB, STATOR REWIND	H	9/29/99	9/28/00	60	10	TURB
BONNEVILLE INSPECT	H	10/11/99	10/14/99	60	2-9	STS
BONNEVILLE INSPECT	H	10/18/99	10/21/99	76	11-18	STS
BONNEVILLE INSPECT	H	10/25/99	11/25/99	76	13	4 YEAR
BONNEVILLE OVERHAUL	H	11/1/99	11/1/99	54	2	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/2/99	11/2/99	60	3	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/3/99	11/3/99	60	5	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/4/99	11/4/99	60	7	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/8/99	11/8/99	60	8	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/9/99	11/9/99	60	9	SEMI
BONNEVILLE ANN MAINT, STS INSP	H	11/10/99	11/10/99	60	6	SEMI
BONNEVILLE INSPECT	H	11/15/99	11/18/99	76	11-18	STS
BONNEVILLE OVERHAUL	H	12/6/99	1/27/00	13	F1	ANNUAL
BONNEVILLE OVERHAUL	H	12/6/99	1/6/99	13	F2	ANNUAL

BONNEVILLE	H	12/13/99	12/14/99	60	2-10	REMOVE
STS, END SEASON						
BONNEVILLE	H	12/15/99	12/16/99	76	11-15	REMOVE
STS, END SEASON						
BONNEVILLE	H	12/20/99	12/21/99	76	16-18	REMOVE
STS, END SEASON						
BONNEVILLE	H	9/29/99	9/28/00	47	1	TURB
REHAB, STATOR REWIND ⁱ						
BONNEVILLE	H	12/6/99	1/27/00	13	F1	ANNUAL
OVERHAUL						
BONNEVILLE	H	12/6/99	1/6/00	13	F2	ANNUAL
OVERHAUL						
BONNEVILLE	H	1/24/00	1/27/00	76	11-18	RAKE
UNIT TRASH RACKS						
BONNEVILLE	H	2/14/00	2/17/00	60	1-10	INSTALL
STS						
BONNEVILLE	H	2/21/00	2/24/00	76	11-18	INSTALL
STS						
BONNEVILLE	H	3/13/00	3/16/00	60	2-10	INSPECT
STS						
BONNEVILLE	H	3/20/00	4/6/00	60	3	TURB
BLADE INSP & REPAIR						
BONNEVILLE	H	3/20/00	3/23/00	76	11-18	INSPECT
STS						
BONNEVILLE	H	4/10/00	4/13/00	60	2-10	INSPECT
STS						
BONNEVILLE	H	4/17/00	4/20/00	76	11-15	INSPECT
STS						
BONNEVILLE	H	4/24/00	4/27/00	76	16-18	INSPECT
STS						
BONNEVILLE	H	5/8/00	5/11/00	60	2-10	INSPECT
STS						
BONNEVILLE	H	5/15/00	5/18/00	76	11-15	INSPECT
STS						
BONNEVILLE	H	5/22/00	5/25/00	76	16-18	INSPECT
STS						
BONNEVILLE	H	6/5/00	6/5/00	54	2	STS/VBS
INSPECT, SEMI						
BONNEVILLE	H	6/6/00	6/6/00	60	3	STS/VBS
INSPECT, SEMI						
BONNEVILLE	H	6/7/00	6/7/00	60	5	STS/VBS
INSPECT, SEMI						
BONNEVILLE	H	6/8/00	6/8/00	60	7	STS/VBS
INSPECT, SEMI						
BONNEVILLE	H	6/12/00	6/12/00	60	8	STS/VBS
INSPECT, SEMI						
BONNEVILLE	H	6/13/00	6/14/00	120	9,10	ANNUAL
MAINTENANCE/T 9/10						
BONNEVILLE	H	6/19/00	6/22/00	76	11-14	STS/VBS
INSPECT						
BONNEVILLE	H	6/19/00	7/13/00	79	12	4 YR
OVERHAUL, STS INSPECT						
BONNEVILLE	H	6/26/00	6/29/00	76	15-18	STS/VBS
INSPECT						
BONNEVILLE	H	7/3/00	7/6/99	60	3-8	STS
INSPECT						
BONNEVILLE	H	7/10/00	7/12/00	54	1 or 2	STS
INSP, ANNUAL MAINT; T1/2						
BONNEVILLE	H	7/17/00	8/3/00	47	2	TURB
BLADE INSP & REPAIR						
BONNEVILLE	H	7/24/00	7/24/00	60	9,10	STS
INSPECT						
BONNEVILLE	H	7/24/00	7/25/00	304	11-14	T 11
ANNUAL MAINTENANCE						
BONNEVILLE	H	7/26/00	7/27/00	304	15-18	T 12
ANNUAL MAINTENANCE						
BONNEVILLE	H	7/31/00	7/31/00	76	16	STS
Insp, Annual Maint						

UTILITY PLANT TO BE DONE	HYDRO/ THERM	START DATE	END DATE	LOSS IN MW PEAK	UNIT/ EQUIP	WORK
BIG CLIFF MAINT	H	24 APR 00	28 APR 00	20	1	ANNUAL
COUGAR SERVICING BKR	H	03 MAY 99	03 MAY 00	30	1,2	BPA
COUGAR CAVITATION REPAIR	H	07 MAR 00	17 MAR 00	15	1	ANNUAL;
COUGAR CAVITATION REPAIR	H	21 MAR 00	31 MAR 00	15	2	ANNUAL;
DETROIT MAINTENANCE	H	17 APR 00	21 APR 00	50	1	ANNUAL
DETROIT MAINTENANCE	H	03 APR 00	14 APR 00	50	2	4 YEAR
FOSTER MAINTENANCE	H	15 MAY 00	18 MAY 00	11	1	ANNUAL
FOSTER MAINTENANCE	H	22 MAY 00	25 MAY 99	11	2	ANNUAL
GREEN PETER MAINT & CAV RPR	H	10 APR 00	27 APR 00	46	2	ANNUAL
