

2014 BPA Final Rate Proposal

BP-14-FS-BPA-08A-E02

Errata to Transmission Revenue Requirement Study Documentation

1. Delete and replace the following with the attachments:

Table 3-5

Table 9-1

Table 9-2

Tables 12-1 through 12-8

Tables 13-1 through 13-8

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**TABLE 3-5
BETWEEN BUSINESS LINE COSTS**

(\$000s)

	A	B	C
Initial Revenue Requirement	<u>2013</u>	<u>2014</u>	<u>AVERAGE</u>
1 ANCILLARY SERVICES	103,028	103,028	103,028
2 SYNCHRONOUS CONDENSING	1,573	1,573	1,573
3 GENERATION DROPPING	333	333	333
4 COE/RECLAMATION NETWORK/ DELIVERY FACILITIES SEGMENTATION	7,600	7,600	7,600
5 Redispatch	400	400	400
6 STATION SERVICE	<u>2,385</u>	<u>2,385</u>	<u>2,385</u>
7 TOTAL	115,319	115,319	115,319

	<u>2013</u>	<u>2014</u>
8 ANCILLARY SERVICES	112,124	117,102
9 SYNCHRONOUS CONDENSING	1,880	1,880
10 GENERATION DROPPING	377	377
11 COE/RECLAMATION NETWORK/ DELIVERY FACILITIES SEGMENTATION	7,106	7,106
12 Redispatch	<u>400</u>	<u>400</u>
13 STATION SERVICE	2,385	2,385
14 TOTAL	124,272	129,250

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**TABLE 9-1: FUTURE REPLACEMENTS FOR FY 2014
(\$000s)**

	A	B	C	
	FY	AMOUNT	RATE	
			DUE	
1	2015	177,753	4.500%	2050
2	2016	185,811	4.500%	2051
3	2017	193,085	4.500%	2052
4	2018	199,431	4.500%	2053
5	2019	204,100	4.500%	2054
6	2020	210,564	4.500%	2055
7	2021	216,398	4.500%	2056
8	2022	221,403	4.500%	2057
9	2023	226,273	4.500%	2058
10	2024	230,147	4.500%	2059
11	2025	234,570	4.500%	2060
12	2026	237,736	4.500%	2061
13	2027	241,278	4.500%	2062
14	2028	244,918	4.500%	2063
15	2029	248,752	4.500%	2064
16	2030	253,103	4.500%	2065
17	2031	257,207	4.500%	2066
18	2032	261,465	4.500%	2067
19	2033	266,389	4.500%	2068
20	2034	271,374	4.500%	2069
21	2035	274,987	4.500%	2070
22	2036	279,135	4.500%	2071
23	2037	283,794	4.500%	2072
24	2038	288,220	4.500%	2073
25	2039	291,085	4.500%	2074
26	2040	295,065	4.500%	2075
27	2041	299,576	4.500%	2076
28	2042	303,690	4.500%	2077
29	2043	308,578	4.500%	2078
30	2044	312,135	4.500%	2079
31	2045	314,836	4.500%	2080
32	2046	318,263	4.500%	2081
33	2047	322,781	4.500%	2082
34	2048	326,031	4.500%	2083
35	2049	328,462	4.500%	2084

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TABLE 9-2: FUTURE REPLACEMENTS FOR FY 2015
(\$000s)

	A	B	C	
	FY	AMOUNT	RATE	DUE
1	2016	189,512	5.060%	2051
2	2017	196,922	5.060%	2052
3	2018	203,574	5.060%	2053
4	2019	208,629	5.060%	2054
5	2020	215,471	5.060%	2055
6	2021	221,414	5.060%	2056
7	2022	226,804	5.060%	2057
8	2023	232,252	5.060%	2058
9	2024	236,640	5.060%	2059
10	2025	241,160	5.060%	2060
11	2026	244,724	5.060%	2061
12	2027	248,878	5.060%	2062
13	2028	253,053	5.060%	2063
14	2029	256,959	5.060%	2064
15	2030	261,392	5.060%	2065
16	2031	265,934	5.060%	2066
17	2032	270,853	5.060%	2067
18	2033	276,407	5.060%	2068
19	2034	281,566	5.060%	2069
20	2035	285,629	5.060%	2070
21	2036	290,425	5.060%	2071
22	2037	295,659	5.060%	2072
23	2038	300,168	5.060%	2073
24	2039	303,420	5.060%	2074
25	2040	308,011	5.060%	2075
26	2041	313,067	5.060%	2076
27	2042	317,258	5.060%	2077
28	2043	322,295	5.060%	2078
29	2044	326,338	5.060%	2079
30	2045	329,605	5.060%	2080
31	2046	333,499	5.060%	2081
32	2047	338,102	5.060%	2082
33	2048	341,663	5.060%	2083
34	2049	344,541	5.060%	2084
35	2050	347,044	5.060%	2085

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Table 12-1: Summary of Interest (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
		Project	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1																					
2	Appropriation	Bonneville Power Administration	18,641	14,540	13,930	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
3		Bonneville Power Administration Subtotal:	18,641	14,540	13,930	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	18,641	14,540	13,930	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
5	Treasury	Construction	85,724	108,349	126,408	137,853	145,954	154,567	163,666	166,274	170,077	170,139	170,858	171,203	172,749	174,001	175,546	177,607	179,242	181,378	183,594
6		Environment	1,102	1,233	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,122	694	694	232	200	-	-
7		(Less Interest Income)	(1,333)	(1,303)	(1,460)	(1,036)	(917)	(1,025)	(2,615)	(2,459)	(2,442)	(2,452)	(2,451)	(2,503)	(2,660)	(2,657)	(2,652)	(2,646)	(2,641)	(2,634)	(2,587)
8		Coupon Scale Down Premiums	-	-	-	19	-	-	-	138	3,370	1,086	3,392	3,826	2,766	5,318	5,723	6,568	4,843	5,187	6,205
9		BPA Borrowing Subtotal:	85,492	108,279	126,320	138,208	146,409	154,914	162,423	165,324	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212
10		Treasury Subtotal:	85,492	108,279	126,320	138,208	146,409	154,914	162,423	165,324	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212
11	GRAND TOTAL:		104,133	122,819	140,250	145,353	152,612	161,116	166,150	167,480	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212

Table 12-1: Summary of Interest (\$000s) (FY 2014)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1		Project	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total
2	Appropriation	Bonneville Power Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,544
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,544
4		Appropriation Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,544
5	Treasury	Construction	186,172	189,139	196,368	201,180	204,887	208,922	220,379	230,636	237,053	244,473	254,773	267,646	277,350	284,440	291,363	298,766	306,665	315,040	7,430,441
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,996
7		(Less Interest Income)	(2,566)	(1,782)	(2,316)	(2,572)	(2,562)	(1,251)	(1,498)	(2,388)	(2,339)	(1,756)	(1,303)	(2,061)	(2,548)	(2,655)	(2,626)	(2,595)	(2,562)	(2,526)	(80,377)
8		Coupon Scale Down Premiums	3,116	2,066	2,853	969	2,309	51	561	540	177	220	31	-	2,497	2,319	2,119	2,006	1,780		72,053
9		BPA Borrowing Subtotal:	186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294	7,441,113
10		Treasury Subtotal:	186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294	7,441,113
11	GRAND TOTAL:		186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294	7,513,658

Table 12-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
1	2013	Bonneville Power Administration	Historical	257,352	7.243%	18,641	-	18,641
2	2013	Construction	Historical	1,927,890	4.074%	78,544	-	78,544
3	2013	Construction	New	361,396	1.987%	7,180	-	7,180
4	2013	Environment	Historical	23,000	3.867%	889	-	889
5	2013	Environment	New	5,540	3.836%	213	-	213
6	2013	Float	Historical	-	-	(1,333)	-	(1,333)
7	FY 2013 Subtotal:			2,575,178		104,133	-	104,133
8	2014	Bonneville Power Administration	Historical	200,978	7.235%	14,540	-	14,540
9	2014	Construction	Historical	2,369,266	4.132%	97,901	-	97,901
10	2014	Construction	New	547,950	1.907%	10,448	-	10,448
11	2014	Environment	Historical	29,050	4.034%	1,172	-	1,172
12	2014	Environment	New	3,460	1.766%	61	-	61
13	2014	Float	Historical	-	-	(1,303)	-	(1,303)
14	FY 2014 Subtotal:			3,150,704		122,819	-	122,819
15	2015	Bonneville Power Administration	Historical	192,577	7.233%	13,930	-	13,930
16	2015	Construction	Historical	2,938,646	4.165%	122,399	-	122,399
17	2015	Construction	New	177,753	2.255%	4,008	-	4,008
18	2015	Environment	Historical	34,430	3.985%	1,372	-	1,372
19	2015	Float	Historical	-	-	(1,460)	-	(1,460)
20	FY 2015 Subtotal:			3,343,406		140,250	-	140,250
21	2016	Bonneville Power Administration	Historical	98,958	7.220%	7,145	-	7,145
22	2016	Construction	Historical	3,116,399	4.289%	133,663	19	133,682
23	2016	Construction	New	185,811	2.255%	4,190	-	4,190
24	2016	Environment	Historical	34,430	3.985%	1,372	-	1,372
25	2016	Float	Historical	-	-	(1,036)	-	(1,036)
26	FY 2016 Subtotal:			3,435,598		145,334	19	145,353
27	2017	Bonneville Power Administration	Historical	85,919	7.219%	6,202	-	6,202
28	2017	Construction	Historical	3,272,225	4.327%	141,600	-	141,600
29	2017	Construction	New	193,085	2.255%	4,354	-	4,354
30	2017	Environment	Historical	34,430	3.985%	1,372	-	1,372
31	2017	Float	Historical	-	-	(917)	-	(917)
32	FY 2017 Subtotal:			3,585,659		152,612	-	152,612
33	2018	Bonneville Power Administration	Historical	85,919	7.219%	6,202	-	6,202
34	2018	Construction	Historical	3,439,395	4.363%	150,070	-	150,070
35	2018	Construction	New	199,431	2.255%	4,497	-	4,497
36	2018	Environment	Historical	34,430	3.985%	1,372	-	1,372
37	2018	Float	Historical	-	-	(1,025)	-	(1,025)
38	FY 2018 Subtotal:			3,759,175		161,116	-	161,116
39	2019	Bonneville Power Administration	Historical	51,690	7.211%	3,728	-	3,728
40	2019	Construction	Historical	3,638,826	4.371%	159,064	-	159,064
41	2019	Construction	New	204,100	2.255%	4,602	-	4,602
42	2019	Environment	Historical	34,430	3.985%	1,372	-	1,372
43	2019	Float	Historical	-	-	(2,615)	-	(2,615)
44	FY 2019 Subtotal:			3,929,046		166,150	-	166,150
45	2020	Bonneville Power Administration	Historical	29,899	7.210%	2,156	-	2,156
46	2020	Construction	Historical	3,647,136	4.429%	161,525	138	161,663
47	2020	Construction	New	210,564	2.255%	4,748	-	4,748
48	2020	Environment	Historical	34,430	3.985%	1,372	-	1,372
49	2020	Float	Historical	-	-	(2,459)	-	(2,459)
50	FY 2020 Subtotal:			3,922,029		167,342	138	167,480
51	2021	Construction	Historical	3,688,126	4.479%	165,197	3,370	168,567
52	2021	Construction	New	216,398	2.255%	4,880	-	4,880
53	2021	Environment	Historical	34,430	3.985%	1,372	-	1,372
54	2021	Float	Historical	-	-	(2,442)	-	(2,442)
55	FY 2021 Subtotal:			3,938,954		169,007	3,370	172,377

Table 12-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
56	2022	Construction	Historical	3,710,071	4.451%	165,146	1,086	166,232
57	2022	Construction	New	221,403	2.255%	4,993	-	4,993
58	2022	Environment	Historical	34,430	3.985%	1,372	-	1,372
59	2022	Float	Historical	-	-	(2,452)	-	(2,452)
60	FY 2022 Subtotal:			3,965,904		169,059	1,086	170,145
61	2023	Construction	Historical	3,733,656	4.439%	165,756	3,392	169,148
62	2023	Construction	New	226,273	2.255%	5,102	-	5,102
63	2023	Environment	Historical	34,430	3.985%	1,372	-	1,372
64	2023	Float	Historical	-	-	(2,451)	-	(2,451)
65	FY 2023 Subtotal:			3,994,359		169,779	3,392	173,171
66	2024	Construction	Historical	3,764,915	4.409%	166,013	3,759	169,772
67	2024	Construction	New	230,147	2.255%	5,190	-	5,190
68	2024	Environment	Historical	34,430	3.985%	1,372	67	1,439
69	2024	Float	Historical	-	-	(2,503)	-	(2,503)
70	FY 2024 Subtotal:			4,029,492		170,071	3,826	173,897
71	2025	Construction	Historical	3,799,559	4.407%	167,460	2,766	170,226
72	2025	Construction	New	234,570	2.255%	5,290	-	5,290
73	2025	Environment	Historical	29,430	3.812%	1,122	-	1,122
74	2025	Float	Historical	-	-	(2,660)	-	(2,660)
75	FY 2025 Subtotal:			4,063,559		171,212	2,766	173,978
76	2026	Construction	Historical	3,825,037	4.409%	168,640	5,318	173,958
77	2026	Construction	New	237,736	2.255%	5,361	-	5,361
78	2026	Environment	Historical	19,430	3.572%	694	-	694
79	2026	Float	Historical	-	-	(2,657)	-	(2,657)
80	FY 2026 Subtotal:			4,082,203		172,038	5,318	177,356
81	2027	Construction	Historical	3,846,936	4.422%	170,105	5,723	175,827
82	2027	Construction	New	241,278	2.255%	5,441	-	5,441
83	2027	Environment	Historical	19,430	3.572%	694	-	694
84	2027	Float	Historical	-	-	(2,652)	-	(2,652)
85	FY 2027 Subtotal:			4,107,644		173,588	5,723	179,311
86	2028	Construction	Historical	3,887,213	4.427%	172,085	6,568	178,652
87	2028	Construction	New	244,918	2.255%	5,523	-	5,523
88	2028	Environment	Historical	6,430	3.615%	232	-	232
89	2028	Float	Historical	-	-	(2,646)	-	(2,646)
90	FY 2028 Subtotal:			4,138,561		175,194	6,568	181,762
91	2029	Construction	Historical	3,921,536	4.428%	173,633	4,843	178,475
92	2029	Construction	New	248,752	2.255%	5,609	-	5,609
93	2029	Environment	Historical	5,380	3.716%	200	-	200
94	2029	Float	Historical	-	-	(2,641)	-	(2,641)
95	FY 2029 Subtotal:			4,175,668		176,801	4,843	181,644
96	2030	Construction	Historical	3,963,703	4.432%	175,670	5,187	180,857
97	2030	Construction	New	253,103	2.255%	5,707	-	5,707
98	2030	Float	Historical	-	-	(2,634)	-	(2,634)
99	FY 2030 Subtotal:			4,216,806		178,744	5,187	183,931
100	2031	Construction	Historical	4,006,962	4.437%	177,794	6,205	183,999
101	2031	Construction	New	257,207	2.255%	5,800	-	5,800
102	2031	Float	Historical	-	-	(2,587)	-	(2,587)
103	FY 2031 Subtotal:			4,264,169		181,007	6,205	187,212
104	2032	Construction	Historical	4,061,994	4.438%	180,276	3,116	183,392
105	2032	Construction	New	261,465	2.255%	5,896	-	5,896
106	2032	Float	Historical	-	-	(2,566)	-	(2,566)
107	FY 2032 Subtotal:			4,323,459		183,606	3,116	186,722

Table 12-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
108	2033	Construction	Historical	4,121,929	4.443%	183,132	2,066	185,198
109	2033	Construction	New	266,389	2.255%	6,007	-	6,007
110	2033	Float	Historical	-	-	(1,782)	-	(1,782)
111	FY 2033 Subtotal:			4,388,318		187,357	2,066	189,423
112	2034	Construction	Historical	4,278,612	4.446%	190,248	2,853	193,101
113	2034	Construction	New	271,374	2.255%	6,119	-	6,119
114	2034	Float	Historical	-	-	(2,316)	-	(2,316)
115	FY 2034 Subtotal:			4,549,986		194,052	2,853	196,905
116	2035	Construction	Historical	4,382,538	4.449%	194,979	969	195,948
117	2035	Construction	New	274,987	2.255%	6,201	-	6,201
118	2035	Float	Historical	-	-	(2,572)	-	(2,572)
119	FY 2035 Subtotal:			4,657,525		198,608	969	199,577
120	2036	Construction	Historical	4,460,742	4.452%	198,593	2,309	200,902
121	2036	Construction	New	279,135	2.255%	6,294	-	6,294
122	2036	Float	Historical	-	-	(2,562)	-	(2,562)
123	FY 2036 Subtotal:			4,739,877		202,325	2,309	204,634
124	2037	Construction	Historical	4,547,457	4.454%	202,523	51	202,573
125	2037	Construction	New	283,794	2.255%	6,400	-	6,400
126	2037	Float	Historical	-	-	(1,251)	-	(1,251)
127	FY 2037 Subtotal:			4,831,251		207,671	51	207,721
128	2038	Construction	Historical	4,791,435	4.464%	213,879	561	214,440
129	2038	Construction	New	288,220	2.255%	6,499	-	6,499
130	2038	Float	Historical	-	-	(1,498)	-	(1,498)
131	FY 2038 Subtotal:			5,079,655		218,880	561	219,441
132	2039	Construction	Historical	5,017,305	4.466%	224,072	540	224,612
133	2039	Construction	New	291,085	2.255%	6,564	-	6,564
134	2039	Float	Historical	-	-	(2,388)	-	(2,388)
135	FY 2039 Subtotal:			5,308,390		228,248	540	228,788
136	2040	Construction	Historical	5,147,426	4.476%	230,400	177	230,577
137	2040	Construction	New	295,065	2.255%	6,654	-	6,654
138	2040	Float	Historical	-	-	(2,339)	-	(2,339)
139	FY 2040 Subtotal:			5,442,491		234,715	177	234,892
140	2041	Construction	Historical	5,290,169	4.494%	237,718	220	237,938
141	2041	Construction	New	299,576	2.255%	6,755	-	6,755
142	2041	Float	Historical	-	-	(1,756)	-	(1,756)
143	FY 2041 Subtotal:			5,589,745		242,718	220	242,938
144	2042	Construction	Historical	5,509,164	4.500%	247,925	31	247,956
145	2042	Construction	New	303,690	2.255%	6,848	-	6,848
146	2042	Float	Historical	-	-	(1,303)	-	(1,303)
147	FY 2042 Subtotal:			5,812,854		253,470	31	253,502
148	2043	Construction	Historical	5,790,075	4.502%	260,687	-	260,687
149	2043	Construction	New	308,578	2.255%	6,958	-	6,958
150	2043	Float	Historical	-	-	(2,061)	-	(2,061)
151	FY 2043 Subtotal:			6,098,653		265,585	-	265,585
152	2044	Construction	Historical	5,993,946	4.510%	270,311	-	270,311
153	2044	Construction	New	312,135	2.255%	7,039	-	7,039
154	2044	Float	Historical	-	-	(2,548)	-	(2,548)
155	FY 2044 Subtotal:			6,306,081		274,802	-	274,802
156	2045	Construction	Historical	6,149,465	4.510%	277,341	2,497	279,838
157	2045	Construction	New	314,836	2.255%	7,100	-	7,100
158	2045	Float	Historical	-	-	(2,655)	-	(2,655)
159	FY 2045 Subtotal:			6,464,301		281,786	2,497	284,283

Table 12-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
160	2046	Construction	Historical	6,301,247	4.510%	284,186	2,319	286,505
161	2046	Construction	New	318,263	2.255%	7,177	-	7,177
162	2046	Float	Historical	-	-	(2,626)	-	(2,626)
163	FY 2046 Subtotal:			6,619,510		288,737	2,319	291,056
164	2047	Construction	Historical	6,463,132	4.510%	291,487	2,119	293,606
165	2047	Construction	New	322,781	2.255%	7,279	-	7,279
166	2047	Float	Historical	-	-	(2,595)	-	(2,595)
167	FY 2047 Subtotal:			6,785,913		296,171	2,119	298,290
168	2048	Construction	Historical	6,636,646	4.510%	299,313	2,006	301,319
169	2048	Construction	New	326,031	2.255%	7,352	-	7,352
170	2048	Float	Historical	-	-	(2,562)	-	(2,562)
171	FY 2048 Subtotal:			6,962,677		304,103	2,006	306,109
172	2049	Construction	Historical	6,821,144	4.510%	307,634	1,780	309,414
173	2049	Construction	New	328,462	2.255%	7,407	-	7,407
174	2049	Float	Historical	-	-	(2,526)	-	(2,526)
175	FY 2049 Subtotal:			7,149,606		312,514	1,780	314,294
176	Grand Total:			173,788,405		7,441,604	72,053	7,513,658

Table 12-3: Summary of Amortization (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1																					
2	BONNEVILLE POWER ADMINISTRATION	BPA	56,374	8,401	93,619	13,039	-	34,230	21,790	29,899	-	-	-	-	-	-	-	-	-	-	-
3		APPROPRIATION SUBTOTAL:	56,374	8,401	93,619	13,039	0	34,230	21,790	29,899	0	0	0	0	0	0	0	0	0	0	0
4	BPA BORROWING	CONSTRUCTION	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	195,503	209,092	215,837	201,000	210,595	206,585	209,845	202,175
5		ENVIRONMENT	-	-	-	-	-	-	-	-	-	-	-	5,000	10,000	-	13,000	1,050	5,380	-	-
6		BPA BORROWING SUBTOTAL:	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845	202,175
7	MAKE WHOLE CALL	DISCOUNTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8		PREMIUMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		MAKE WHOLE CALL SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		TREASURY SUBTOTAL:	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845	202,175
11		GRAND TOTAL:	56,374	81,451	93,619	43,024	25,915	34,230	217,580	199,473	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845	202,175

Table 12-3: Summary of Amortization (\$000s) (FY 2014)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	
1			2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	TOTAL	
2	BONNEVILLE POWER ADMINISTRATION	BPA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
3		APPROPRIATION SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257,352
4	BPA BORROWING	CONSTRUCTION	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	-	5,123,902
5		ENVIRONMENT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34,430
6		BPA BORROWING SUBTOTAL:	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	-	5,158,332
7	MAKE WHOLE CALL	DISCOUNTS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8		PREMIUMS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		MAKE WHOLE CALL SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		TREASURY SUBTOTAL:	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	-	5,158,332
11		GRAND TOTAL:	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	-	5,415,684

Table 12-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
1	FY 2013	Bonneville Power Administration	BPA	1973	2018	21,656	5,041	7.280%	No	5,041
2	FY 2013	Bonneville Power Administration	BPA	1973	2018	33,788	15,769	7.280%	No	15,769
3	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,079	12,079	7.270%	No	5,191
4	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,563	12,563	7.270%	No	12,563
5	FY 2013	Bonneville Power Administration	BPA	1974	2019	20,984	17,810	7.270%	No	17,810
6	FY 2013 Subtotal:		-	-	-	101,070	63,262	-	-	56,374
7	FY 2014	Construction	-	1999	2014	59,050	59,050	5.900%	No	59,050
8	FY 2014	Construction	-	2009	2014	14,000	14,000	2.746%	No	14,000
9	FY 2014	Bonneville Power Administration	BPA	1974	2019	12,079	6,888	7.270%	No	6,888
10	FY 2014	Bonneville Power Administration	BPA	1975	2020	11,742	11,742	7.250%	No	1,513
11	FY 2014 Subtotal:		-	-	-	96,871	91,680	-	-	81,451
12	FY 2015	Bonneville Power Administration	BPA	1975	2020	11,742	10,229	7.250%	No	10,229
13	FY 2015	Bonneville Power Administration	BPA	1975	2020	17,158	17,158	7.250%	No	17,158
14	FY 2015	Bonneville Power Administration	BPA	1975	2020	21,916	21,916	7.250%	No	21,916
15	FY 2015	Bonneville Power Administration	BPA	1975	2020	32,026	32,026	7.250%	No	32,026
16	FY 2015	Bonneville Power Administration	BPA	1976	2021	2,212	2,212	7.230%	No	2,212
17	FY 2015	Bonneville Power Administration	BPA	1976	2021	61,025	61,025	7.230%	No	10,078
18	FY 2015 Subtotal:		-	-	-	146,079	144,566	-	-	93,619
19	FY 2016	Construction	-	2011	2016	13,000	13,000	1.957%	No	13,000
20	FY 2016	Construction	-	2011	2016	6,500	6,500	1.423%	No	6,500
21	FY 2016	Construction	-	2012	2017	36,400	36,400	0.920%	No	10,485
22	FY 2016	Bonneville Power Administration	BPA	1976	2021	61,025	50,947	7.230%	No	13,039
23	FY 2016 Subtotal:		-	-	-	116,925	106,847	-	-	43,024
24	FY 2017	Construction	-	2012	2017	36,400	25,915	0.920%	No	25,915
25	FY 2017 Subtotal:		-	-	-	36,400	25,915	-	-	25,915
26	FY 2018	Bonneville Power Administration	BPA	1976	2021	61,025	37,908	7.230%	No	34,230
27	FY 2018 Subtotal:		-	-	-	61,025	37,908	-	-	34,230
28	FY 2019	Construction	-	2009	2019	46,940	46,940	4.026%	No	46,940
29	FY 2019	Construction	-	2009	2019	35,000	35,000	3.699%	No	35,000
30	FY 2019	Construction	-	2010	2019	13,000	13,000	4.069%	No	13,000
31	FY 2019	Construction	-	2010	2019	23,000	23,000	3.719%	No	23,000
32	FY 2019	Construction	-	2010	2019	30,000	30,000	3.714%	No	30,000
33	FY 2019	Construction	-	2010	2019	15,000	15,000	3.533%	No	15,000
34	FY 2019	Construction	-	2013	2019	10,500	10,500	1.800%	No	10,500
35	FY 2019	Construction	-	2013	2019	12,180	13,650	1.800%	No	13,650
36	FY 2019	Construction	-	2013	2019	8,700	8,700	1.100%	No	8,700
37	FY 2019	Bonneville Power Administration	BPA	1976	2021	61,025	3,679	7.230%	No	3,679
38	FY 2019	Bonneville Power Administration	BPA	1977	2022	4,981	4,981	7.210%	No	4,981
39	FY 2019	Bonneville Power Administration	BPA	1977	2022	33,702	33,702	7.210%	No	13,131
40	FY 2019 Subtotal:		-	-	-	294,028	238,152	-	-	217,580
41	FY 2020	Construction	-	2009	2020	50,000	50,000	3.830%	No	50,000
42	FY 2020	Construction	-	2010	2020	43,000	43,000	3.842%	No	43,000
43	FY 2020	Construction	-	2010	2020	50,000	50,000	3.118%	No	50,000
44	FY 2020	Construction	-	2014	2020	5,260	5,260	2.200%	No	5,260
45	FY 2020	Construction	-	2014	2020	5,640	5,640	2.200%	No	5,640
46	FY 2020	Construction	-	2014	2020	6,140	6,140	2.200%	No	6,140
47	FY 2020	Construction	-	2014	2020	6,540	6,540	2.200%	No	6,540
48	FY 2020	Bonneville Power Administration	BPA	1977	2022	3,948	3,948	7.210%	No	3,948
49	FY 2020	Bonneville Power Administration	BPA	1977	2022	5,380	5,380	7.210%	No	5,380
50	FY 2020	Bonneville Power Administration	BPA	1977	2022	33,702	20,571	7.210%	No	20,571
51	FY 2020	Construction	-	2013	2043	18,000	18,000	6.000%	No	2,994
52	FY 2020 Subtotal:		-	-	-	227,610	214,479	-	-	199,473
53	FY 2021	Construction	-	2010	2021	15,000	15,000	4.188%	No	15,000
54	FY 2021	Construction	-	2010	2021	22,000	22,000	4.094%	No	22,000
55	FY 2021	Construction	-	2010	2021	22,000	22,000	3.694%	No	22,000

Table 12-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
56	FY 2021	Construction	-	2010	2021	22,000	22,000	3.374%	No	22,000
57	FY 2021	Construction	-	1998	2028	112,300	112,300	5.850%	No	53,447
58	FY 2021	Construction	-	2013	2043	15,000	15,000	6.000%	No	15,000
59	FY 2021	Construction	-	2013	2043	18,000	15,006	6.000%	No	15,006
60	FY 2021	Construction	-	2013	2043	30,000	30,000	6.000%	No	30,000
61	FY 2021 Subtotal:		-	-	-	256,300	253,306	-	-	194,453
62	FY 2022	Construction	-	2009	2022	35,000	35,000	4.253%	No	35,000
63	FY 2022	Construction	-	2009	2022	20,000	20,000	4.200%	No	20,000
64	FY 2022	Construction	-	2010	2022	30,000	30,000	3.372%	No	30,000
65	FY 2022	Construction	-	2010	2022	20,000	20,000	3.029%	No	20,000
66	FY 2022	Construction	-	1998	2028	112,300	58,853	5.850%	No	58,853
67	FY 2022	Construction	-	1998	2028	106,500	106,500	5.850%	No	33,965
68	FY 2022 Subtotal:		-	-	-	323,800	270,353	-	-	197,818
69	FY 2023	Construction	-	2010	2023	46,000	46,000	3.161%	No	46,000
70	FY 2023	Construction	-	1998	2028	106,500	72,535	5.850%	No	72,535
71	FY 2023	Construction	-	2009	2039	35,000	35,000	5.192%	No	21,479
72	FY 2023	Construction	-	2013	2043	55,000	55,000	5.700%	No	55,000
73	FY 2023 Subtotal:		-	-	-	242,500	208,535	-	-	195,014
74	FY 2024	Construction	-	2012	2024	45,000	45,000	3.360%	No	45,000
75	FY 2024	Environment	-	2013	2028	5,000	5,000	5.000%	No	5,000
76	FY 2024	Construction	-	2011	2035	40,000	40,000	4.794%	No	6,982
77	FY 2024	Construction	-	2011	2036	50,000	50,000	4.952%	No	50,000
78	FY 2024	Construction	-	2011	2038	55,000	55,000	4.935%	No	55,000
79	FY 2024	Construction	-	2009	2039	35,000	13,521	5.192%	No	13,521
80	FY 2024	Construction	-	2011	2040	25,000	25,000	4.775%	No	25,000
81	FY 2024 Subtotal:		-	-	-	255,000	233,521	-	-	200,503
82	FY 2025	Construction	-	2010	2025	15,000	15,000	4.310%	Yes	15,000
83	FY 2025	Construction	-	2012	2025	14,300	14,300	4.310%	Yes	14,300
84	FY 2025	Construction	-	2012	2025	26,000	26,000	4.310%	Yes	26,000
85	FY 2025	Construction	-	2012	2025	37,000	37,000	4.310%	Yes	37,000
86	FY 2025	Environment	-	2010	2025	10,000	10,000	4.279%	No	10,000
87	FY 2025	Construction	-	2011	2035	40,000	33,018	4.794%	No	33,018
88	FY 2025	Construction	-	2011	2036	50,000	50,000	4.629%	No	50,000
89	FY 2025	Construction	-	2015	2050	177,753	177,753	4.510%	No	33,774
90	FY 2025 Subtotal:		-	-	-	370,053	363,071	-	-	219,092
91	FY 2026	Construction	-	2011	2026	45,000	45,000	3.450%	No	45,000
92	FY 2026	Construction	-	2015	2050	177,753	143,979	4.510%	No	143,979
93	FY 2026	Construction	-	2016	2051	185,811	185,811	4.510%	No	26,858
94	FY 2026 Subtotal:		-	-	-	408,564	374,790	-	-	215,837
95	FY 2027	Construction	-	2012	2027	17,000	17,000	3.550%	No	17,000
96	FY 2027	Environment	-	2012	2027	13,000	13,000	3.550%	No	13,000
97	FY 2027	Construction	-	2016	2051	185,811	158,953	4.510%	No	158,953
98	FY 2027	Construction	-	2017	2052	193,085	193,085	4.510%	No	25,048
99	FY 2027 Subtotal:		-	-	-	408,896	382,038	-	-	214,000
100	FY 2028	Environment	-	2013	2028	510	510	3.100%	No	510
101	FY 2028	Environment	-	2013	2028	540	540	3.100%	No	540
102	FY 2028	Construction	-	2017	2052	193,085	168,037	4.510%	No	168,037
103	FY 2028	Construction	-	2018	2053	199,431	199,431	4.510%	No	42,558
104	FY 2028 Subtotal:		-	-	-	393,566	368,518	-	-	211,645
105	FY 2029	Construction	-	2011	2029	50,000	50,000	4.238%	No	50,000
106	FY 2029	Environment	-	2014	2029	780	780	4.400%	No	780
107	FY 2029	Environment	-	2014	2029	1,250	1,250	3.600%	No	1,250
108	FY 2029	Environment	-	2014	2029	1,430	1,430	3.600%	No	1,430
109	FY 2029	Environment	-	2014	2029	1,920	1,920	3.600%	No	1,920
110	FY 2029	Construction	-	2018	2053	199,431	156,873	4.510%	No	156,585
111	FY 2029 Subtotal:		-	-	-	254,811	212,253	-	-	211,965
112	FY 2030	Construction	-	2013	2030	42,110	42,110	4.100%	No	42,110
113	FY 2030	Construction	-	2018	2053	199,431	289	4.510%	No	288
114	FY 2030	Construction	-	2019	2054	204,100	204,100	4.510%	No	167,446
115	FY 2030 Subtotal:		-	-	-	445,641	246,499	-	-	209,845
116	FY 2031	Construction	-	2019	2054	204,100	36,654	4.510%	No	36,654
117	FY 2031	Construction	-	2020	2055	210,564	210,564	4.510%	No	165,521
118	FY 2031 Subtotal:		-	-	-	414,664	247,218	-	-	202,175

Table 12-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
119	FY 2032	Construction	-	2011	2032	98,900	98,900	4.355%	No	98,900
120	FY 2032	Construction	-	2020	2055	210,564	45,043	4.510%	No	45,043
121	FY 2032	Construction	-	2021	2056	216,398	216,398	4.510%	No	57,587
122	FY 2032 Subtotal:		-	-	-	525,862	360,341	-	-	201,530
123	FY 2033	Construction	-	2011	2033	40,000	40,000	4.386%	No	40,000
124	FY 2033	Construction	-	2021	2056	216,398	158,811	4.510%	No	69,706
125	FY 2033 Subtotal:		-	-	-	256,398	198,811	-	-	109,706
126	FY 2034	Construction	-	2011	2034	40,000	40,000	4.416%	No	40,000
127	FY 2034	Construction	-	2014	2044	87,940	87,940	4.500%	No	56,928
128	FY 2034	Construction	-	2021	2056	216,398	89,105	4.510%	No	70,520
129	FY 2034 Subtotal:		-	-	-	344,338	217,045	-	-	167,448
130	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
131	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
132	FY 2035	Construction	-	2011	2035	45,000	45,000	4.446%	No	45,000
133	FY 2035	Construction	-	2014	2044	87,940	31,012	4.500%	No	31,012
134	FY 2035	Construction	-	2014	2044	79,760	79,760	4.500%	No	40,770
135	FY 2035	Construction	-	2021	2056	216,398	18,585	4.510%	No	
136	FY 2035 Subtotal:		-	-	-	509,098	254,357	-	-	196,783
137	FY 2036	Construction	-	2014	2044	79,760	38,990	4.500%	No	38,990
138	FY 2036	Construction	-	2014	2044	52,970	52,970	4.500%	No	44,431
139	FY 2036	Construction	-	2014	2044	53,170	53,170	4.500%	No	53,170
140	FY 2036	Construction	-	2014	2044	55,830	55,830	4.500%	No	55,830
141	FY 2036 Subtotal:		-	-	-	241,730	200,960	-	-	192,420
142	FY 2037	Construction	-	2012	2037	35,000	35,000	3.503%	No	35,000
143	FY 2037	Construction	-	2014	2044	52,970	8,539	4.500%	No	4,816
144	FY 2037 Subtotal:		-	-	-	87,970	43,539	-	-	39,816
145	FY 2038	Construction	-	2014	2044	52,970	3,723	4.500%	No	3,723
146	FY 2038	Construction	-	2014	2044	45,810	45,810	4.500%	No	2,796
147	FY 2038	Construction	-	2014	2044	55,830	55,830	4.500%	No	55,830
148	FY 2038 Subtotal:		-	-	-	154,610	105,363	-	-	62,349
149	FY 2039	Construction	-	2011	2039	50,000	50,000	4.295%	No	50,000
150	FY 2039	Construction	-	2012	2039	39,000	39,000	3.627%	No	39,000
151	FY 2039	Construction	-	2014	2044	45,810	43,014	4.500%	No	43,014
152	FY 2039	Construction	-	2014	2044	49,700	49,700	4.500%	No	28,951
153	FY 2039 Subtotal:		-	-	-	184,510	181,714	-	-	160,964
154	FY 2040	Construction	-	2011	2040	35,000	35,000	3.796%	No	35,000
155	FY 2040	Construction	-	2012	2040	30,000	30,000	3.890%	No	30,000
156	FY 2040	Construction	-	2012	2040	45,000	45,000	3.890%	No	45,000
157	FY 2040	Construction	-	2013	2043	66,330	66,330	4.100%	No	40,351
158	FY 2040	Construction	-	2014	2044	49,700	20,749	4.500%	No	1,971
159	FY 2040 Subtotal:		-	-	-	226,030	197,079	-	-	152,322
160	FY 2041	Construction	-	2013	2043	66,330	25,979	4.100%	No	25,979
161	FY 2041	Construction	-	2013	2043	60,016	60,016	4.100%	No	54,602
162	FY 2041 Subtotal:		-	-	-	126,346	85,995	-	-	80,581
163	FY 2042	Construction	-	2013	2043	60,016	5,414	4.100%	No	5,414
164	FY 2042	Construction	-	2013	2043	40,010	40,010	4.100%	No	17,365
165	FY 2042 Subtotal:		-	-	-	100,026	45,424	-	-	22,779
166	FY 2043	Construction	-	2013	2043	40,010	22,645	4.100%	No	22,645
167	FY 2043	Construction	-	2013	2043	39,950	39,950	4.100%	No	39,950
168	FY 2043	Construction	-	2013	2043	42,110	42,110	4.100%	No	42,110
169	FY 2043	Construction	-	2014	2044	49,700	18,778	4.500%	No	2
170	FY 2043 Subtotal:		-	-	-	171,770	123,483	-	-	104,706
171	FY 2044	Construction	-	2014	2044	49,700	18,777	4.500%	No	18,777
172	FY 2044	Construction	-	2014	2044	20,040	20,040	4.500%	No	20,040
173	FY 2044	Construction	-	2014	2044	28,630	28,630	4.500%	No	28,630
174	FY 2044	Construction	-	2014	2044	40,700	40,700	4.500%	No	40,700
175	FY 2044	Construction	-	2014	2044	48,470	48,470	4.500%	No	48,470
176	FY 2044 Subtotal:		-	-	-	187,540	156,617	-	-	156,617
177	FY 2045	Construction	-	2021	2056	216,398	18,585	4.510%	No	18,585
178	FY 2045	Construction	-	2022	2057	221,403	221,403	4.510%	No	144,469
179	FY 2045 Subtotal:		-	-	-	437,801	239,988	-	-	163,054

Table 12-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
180	FY 2046	Construction	-	2022	2057	221,403	76,934	4.510%	No	76,934
181	FY 2046	Construction	-	2023	2058	226,273	226,273	4.510%	No	79,444
182		FY 2046 Subtotal:	-	-	-	447,676	303,207	-	-	156,378
183	FY 2047	Construction	-	2023	2058	226,273	146,829	4.510%	No	146,829
184	FY 2047	Construction	-	2024	2059	230,147	230,147	4.510%	No	2,438
185		FY 2047 Subtotal:	-	-	-	456,420	376,976	-	-	149,267
186	FY 2048	Construction	-	2024	2059	230,147	227,709	4.510%	No	141,533
187		FY 2048 Subtotal:	-	-	-	230,147	227,709	-	-	141,533
188	FY 2049	Construction	-	2024	2059	230,147	86,176	4.510%	No	86,176
189	FY 2049	Construction	-	2025	2060	234,570	234,570	4.510%	No	47,241
190		FY 2049 Subtotal:	-	-	-	464,717	320,746	-	-	133,417
191	FY 2050	Construction	-	2025	2060	234,570	187,329	4.510%	No	121,733
192		FY 2050 Subtotal:	-	-	-	234,570	187,329	-	-	121,733
193	FY 2051	Construction	-	2025	2060	234,570	65,596	4.510%	No	65,596
194	FY 2051	Construction	-	2026	2061	237,736	237,736	4.510%	No	61,665
195		FY 2051 Subtotal:	-	-	-	472,306	303,332	-	-	127,261
196	FY 2052	Construction	-	2026	2061	237,736	176,071	4.510%	No	133,037
197		FY 2052 Subtotal:	-	-	-	237,736	176,071	-	-	133,037
198	FY 2053	Construction	-	2026	2061	237,736	43,034	4.510%	No	43,034
199	FY 2053	Construction	-	2027	2062	241,278	241,278	4.510%	No	96,015
200		FY 2053 Subtotal:	-	-	-	479,014	284,312	-	-	139,049
201	FY 2054	Construction	-	2027	2062	241,278	145,263	4.510%	No	145,263
202	FY 2054	Construction	-	2028	2063	244,918	244,918	4.510%	No	143
203		FY 2054 Subtotal:	-	-	-	486,196	390,181	-	-	145,405
204	FY 2055	Construction	-	2028	2063	244,918	244,775	4.510%	No	151,924
205		FY 2055 Subtotal:	-	-	-	244,918	244,775	-	-	151,924
206	FY 2056	Construction	-	2028	2063	244,918	92,851	4.510%	No	92,851
207	FY 2056	Construction	-	2029	2064	248,752	248,752	4.510%	No	66,003
208		FY 2056 Subtotal:	-	-	-	493,670	341,603	-	-	158,854
209	FY 2057	Construction	-	2029	2064	248,752	182,749	4.510%	No	166,069
210		FY 2057 Subtotal:	-	-	-	248,752	182,749	-	-	166,069
211	FY 2058	Construction	-	2029	2064	248,752	16,679	4.510%	No	16,679
212	FY 2058	Construction	-	2030	2065	253,103	253,103	4.510%	No	156,866
213		FY 2058 Subtotal:	-	-	-	501,855	269,782	-	-	173,546
214	FY 2059	Construction	-	2030	2065	253,103	96,237	4.510%	No	96,237
215	FY 2059	Construction	-	2031	2066	257,207	257,207	4.510%	No	85,201
216		FY 2059 Subtotal:	-	-	-	510,310	353,444	-	-	181,438
217	FY 2060	Construction	-	2031	2066	257,207	172,006	4.510%	No	172,006
218	FY 2060	Construction	-	2032	2067	261,465	261,465	4.510%	No	17,673
219		FY 2060 Subtotal:	-	-	-	518,672	433,471	-	-	189,679
220	FY 2061	Construction	-	2032	2067	261,465	243,792	4.510%	No	198,227
221		FY 2061 Subtotal:	-	-	-	261,465	243,792	-	-	198,227
222	FY 2062	Construction	-	2032	2067	261,465	45,564	4.510%	No	45,564
223	FY 2062	Construction	-	2033	2068	266,389	266,389	4.510%	No	161,631
224		FY 2062 Subtotal:	-	-	-	527,854	311,953	-	-	207,196
225	FY 2063	Construction	-	2033	2068	266,389	104,758	4.510%	No	104,758
226	FY 2063	Construction	-	2034	2069	271,374	271,374	4.510%	No	111,826
227		FY 2063 Subtotal:	-	-	-	537,763	376,132	-	-	216,584
228	FY 2064	Construction	-	2034	2069	271,374	159,548	4.510%	No	159,548
229	FY 2064	Construction	-	2035	2070	274,987	274,987	4.510%	No	66,842
230		FY 2064 Subtotal:	-	-	-	546,361	434,535	-	-	226,389
231	FY 2065	Construction	-	2035	2070	274,987	208,145	4.510%	No	208,145
232	FY 2065	Construction	-	2036	2071	279,135	279,135	4.510%	No	28,481
233		FY 2065 Subtotal:	-	-	-	554,122	487,280	-	-	236,627
234	FY 2066	Construction	-	2036	2071	279,135	250,654	4.510%	No	247,313
235		FY 2066 Subtotal:	-	-	-	279,135	250,654	-	-	247,313
236	FY 2067	Construction	-	2036	2071	279,135	3,341	4.510%	No	3,341
237	FY 2067	Construction	-	2037	2072	283,794	283,794	4.510%	No	255,107
238		FY 2067 Subtotal:	-	-	-	562,929	287,135	-	-	258,447
239	FY 2068	Construction	-	2037	2072	283,794	28,687	4.510%	No	28,687
240	FY 2068	Construction	-	2038	2073	288,220	288,220	4.510%	No	241,424
241		FY 2068 Subtotal:	-	-	-	572,014	316,907	-	-	270,111

Table 12-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
242	FY 2069	Construction	-	2038	2073	288,220	46,796	4.510%	No	46,796
243	FY 2069	Construction	-	2039	2074	291,085	291,085	4.510%	No	235,495
244	FY 2069 Subtotal:		-	-	-	579,305	337,881	-	-	282,291
245	FY 2070	Construction	-	2039	2074	291,085	55,590	4.510%	No	55,590
246	FY 2070	Construction	-	2040	2075	295,065	295,065	4.510%	No	239,416
247	FY 2070 Subtotal:		-	-	-	586,150	350,655	-	-	295,007
248	FY 2071	Construction	-	2040	2075	295,065	55,649	4.510%	No	55,649
249	FY 2071	Construction	-	2041	2076	299,576	299,576	4.510%	No	252,635
250	FY 2071 Subtotal:		-	-	-	594,641	355,225	-	-	308,284
251	FY 2072	Construction	-	2041	2076	299,576	46,941	4.510%	No	46,941
252	FY 2072	Construction	-	2042	2077	303,690	303,690	4.510%	No	275,206
253	FY 2072 Subtotal:		-	-	-	603,266	350,631	-	-	322,147
254	FY 2073	Construction	-	2042	2077	303,690	28,484	4.510%	No	28,484
255	FY 2073	Construction	-	2043	2078	308,578	308,578	4.510%	No	308,137
256	FY 2073 Subtotal:		-	-	-	612,268	337,062	-	-	336,621
257	FY 2074	Construction	-	2043	2078	308,578	441	4.510%	No	441
258	FY 2074	Construction	-	2044	2079	312,135	312,135	4.510%	No	312,135
259	FY 2074	Construction	-	2045	2080	314,836	314,836	4.510%	No	39,109
260	FY 2074 Subtotal:		-	-	-	935,549	627,412	-	-	351,685
261	FY 2075	Construction	-	2045	2080	314,836	275,727	4.510%	No	275,727
262	FY 2075	Construction	-	2046	2081	318,263	318,263	4.510%	No	91,718
263	FY 2075 Subtotal:		-	-	-	633,099	593,990	-	-	367,445
264	FY 2076	Construction	-	2046	2081	318,263	226,545	4.510%	No	226,545
265	FY 2076	Construction	-	2047	2082	322,781	322,781	4.510%	No	157,352
266	FY 2076 Subtotal:		-	-	-	641,044	549,326	-	-	383,898
267	FY 2077	Construction	-	2047	2082	322,781	165,429	4.510%	No	165,429
268	FY 2077	Construction	-	2048	2083	326,031	326,031	4.510%	No	235,646
269	FY 2077 Subtotal:		-	-	-	648,812	491,460	-	-	401,075
270	FY 2078	Construction	-	2048	2083	326,031	90,385	4.510%	No	90,385
271	FY 2078	Construction	-	2049	2084	328,462	328,462	4.510%	No	328,462
272	FY 2078 Subtotal:		-	-	-	654,493	418,847	-	-	418,847
273	Grand Total:		-	-	-	24,765,061	18,010,187	-	-	12,431,873

Table 12-5: Summary of Interest (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
1	Appropriation																				
2		Bonneville Power Administration	18,641	14,540	13,930	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-
3		Bonneville Power Administration Subtotal:	18,641	14,540	13,930	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	18,641	14,540	13,930	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Treasury	Construction	85,724	108,349	133,869	161,589	171,019	180,817	189,597	190,750	192,670	193,207	194,321	195,935	197,425	198,610	199,655	201,227	202,487	204,288	206,391
6		Environment	1,102	1,233	1,441	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,181	1,181	719	437	237	-
7		(Less Interest Income)	(1,333)	(1,303)	(1,643)	(1,480)	(1,344)	(1,456)	(3,186)	(3,024)	(3,014)	(3,022)	(3,020)	(3,071)	(3,240)	(3,238)	(3,235)	(3,231)	(3,228)	(3,223)	(3,173)
8		Coupon Scale Down Premiums	-	-	-	-	-	1,373	1,916	930	1,615	3,513	6,432	6,360	4,754	6,625	7,370	8,186	6,475	6,663	8,062
9		BPA Borrowing Subtotal:	85,492	108,279	133,667	161,717	171,284	182,342	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280
10		Treasury Subtotal:	85,492	108,279	133,667	161,717	171,284	182,342	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280
11	GRAND TOTAL:		104,133	122,819	147,597	168,862	174,850	184,699	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280

Table 12-5: Summary of Interest (\$000s) (FY 2015)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO
1			<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	<u>2044</u>	<u>2045</u>	<u>2046</u>	<u>2047</u>	<u>2048</u>	<u>2049</u>	<u>2050</u>	<u>Total</u>
2	Appropriation	Bonneville Power Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,179
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,179
4		Appropriation Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,179
5	Treasury	Construction	208,446	211,445	218,931	223,761	227,888	232,658	245,109	256,435	264,007	272,526	284,171	298,562	309,882	318,626	326,373	334,712	343,663	353,217	363,376	8,701,719
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23,616
7		(Less Interest Income)	(3,153)	(2,302)	(2,880)	(3,159)	(3,146)	(1,719)	(1,983)	(2,945)	(2,886)	(2,247)	(1,749)	(2,565)	(3,087)	(3,196)	(3,161)	(3,123)	(3,082)	(3,038)	(2,991)	(101,876)
8		Coupon Scale Down Premiums	4,510	3,343	3,917	299	1,877	326	789	723	393	320	60	-	-	3,354	3,136	2,890	2,677	2,453	2,150	103,493
9		BPA Borrowing Subtotal:	209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535	8,726,951
10		Treasury Subtotal:	209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535	8,726,951
11	GRAND TOTAL:		209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535	8,787,130

Table 12-6: Interest Calculation Summary (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H
	FISCAL YEAR	PROJECT	TYPE	PRINCIPAL	RATE	Interest	Premium	Total
1	2013	Bonneville Power Administration	Historical	257,352	7.243%	18,641	-	18,641
2	2013	Construction	Historical	1,927,890	4.074%	78,544	-	78,544
3	2013	Construction	New	361,396	1.987%	7,180	-	7,180
4	2013	Environment	Historical	23,000	3.867%	889	-	889
5	2013	Environment	New	5,540	3.836%	213	-	213
6	2013	Float	Historical	-	-	(1,333)	-	(1,333)
7	FY 2013	Subtotal:		2,575,178		104,133	-	104,133
8	2014	Bonneville Power Administration	Historical	200,978	7.235%	14,540	-	14,540
9	2014	Construction	Historical	2,369,266	4.132%	97,901	-	97,901
10	2014	Construction	New	547,950	1.907%	10,448	-	10,448
11	2014	Environment	Historical	29,050	4.034%	1,172	-	1,172
12	2014	Environment	New	3,460	1.766%	61	-	61
13	2014	Float	Historical	-	-	(1,303)	-	(1,303)
14	FY 2014	Subtotal:		3,150,704		122,819	-	122,819
15	2015	Bonneville Power Administration	Historical	192,577	7.233%	13,930	-	13,930
16	2015	Construction	Historical	2,938,646	4.165%	122,399	-	122,399
17	2015	Construction	New	528,000	2.172%	11,470	-	11,470
18	2015	Environment	Historical	34,430	3.985%	1,372	-	1,372
19	2015	Environment	New	3,460	1.993%	69	-	69
20	2015	Float	Historical	-	-	(1,643)	-	(1,643)
21	FY 2015	Subtotal:		3,697,113		147,597	-	147,597
22	2016	Bonneville Power Administration	Historical	98,958	7.220%	7,145	-	7,145
23	2016	Construction	Historical	3,557,916	4.407%	156,794	-	156,794
24	2016	Construction	New	189,512	2.530%	4,795	-	4,795
25	2016	Environment	Historical	39,810	4.041%	1,609	-	1,609
26	2016	Float	Historical	-	-	(1,480)	-	(1,480)
27	FY 2016	Subtotal:		3,886,196		168,862	-	168,862
28	2017	Bonneville Power Administration	Historical	49,456	7.211%	3,566	-	3,566
29	2017	Construction	Historical	3,727,928	4.454%	166,037	-	166,037
30	2017	Construction	New	196,922	2.530%	4,982	-	4,982
31	2017	Environment	Historical	39,810	4.041%	1,609	-	1,609
32	2017	Float	Historical	-	-	(1,344)	-	(1,344)
33	FY 2017	Subtotal:		4,014,116		174,850	-	174,850
34	2018	Bonneville Power Administration	Historical	32,685	7.210%	2,357	-	2,357
35	2018	Construction	Historical	3,888,450	4.518%	175,666	1,373	177,039
36	2018	Construction	New	203,574	2.530%	5,150	-	5,150
37	2018	Environment	Historical	39,810	4.041%	1,609	-	1,609
38	2018	Float	Historical	-	-	(1,456)	-	(1,456)
39	FY 2018	Subtotal:		4,164,519		183,325	1,373	184,699
40	2019	Construction	Historical	4,064,560	4.535%	184,319	1,916	186,235
41	2019	Construction	New	208,629	2.530%	5,278	-	5,278
42	2019	Environment	Historical	39,810	4.041%	1,609	-	1,609
43	2019	Float	Historical	-	-	(3,186)	-	(3,186)
44	FY 2019	Subtotal:		4,312,999		188,020	1,916	189,936
45	2020	Construction	Historical	4,029,877	4.598%	185,299	930	186,229
46	2020	Construction	New	215,471	2.530%	5,451	-	5,451
47	2020	Environment	Historical	39,810	4.041%	1,609	-	1,609
48	2020	Float	Historical	-	-	(3,024)	-	(3,024)
49	FY 2020	Subtotal:		4,285,158		189,335	930	190,266
50	2021	Construction	Historical	4,019,131	4.654%	187,068	1,615	188,683
51	2021	Construction	New	221,414	2.530%	5,602	-	5,602
52	2021	Environment	Historical	39,810	4.041%	1,609	-	1,609
53	2021	Float	Historical	-	-	(3,014)	-	(3,014)
54	FY 2021	Subtotal:		4,280,355		191,265	1,615	192,880
55	2022	Construction	Historical	4,017,062	4.667%	187,469	3,513	190,982
56	2022	Construction	New	226,804	2.530%	5,738	-	5,738
57	2022	Environment	Historical	39,810	4.041%	1,609	-	1,609
58	2022	Float	Historical	-	-	(3,022)	-	(3,022)
59	FY 2022	Subtotal:		4,283,676		191,793	3,513	195,306
60	2023	Construction	Historical	4,021,662	4.686%	188,445	6,432	194,877
61	2023	Construction	New	232,252	2.530%	5,876	-	5,876
62	2023	Environment	Historical	39,810	4.041%	1,609	-	1,609
63	2023	Float	Historical	-	-	(3,020)	-	(3,020)
64	FY 2023	Subtotal:		4,293,724		192,909	6,432	199,342

Table 12-6: Interest Calculation Summary (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H
	FISCAL YEAR	PROJECT	TYPE	PRINCIPAL	RATE	Interest	Premium	Total
65	2024	Construction	Historical	4,035,501	4.707%	189,948	6,360	196,308
66	2024	Construction	New	236,640	2.530%	5,987	-	5,987
67	2024	Environment	Historical	39,810	4.041%	1,609	-	1,609
68	2024	Float	Historical	-	-	(3,071)	-	(3,071)
69	FY 2024	Subtotal:		4,311,951		194,472	6,360	200,833
70	2025	Construction	Historical	4,048,986	4.725%	191,324	4,754	196,078
71	2025	Construction	New	241,160	2.530%	6,101	-	6,101
72	2025	Environment	Historical	39,810	4.041%	1,609	-	1,609
73	2025	Float	Historical	-	-	(3,240)	-	(3,240)
74	FY 2025	Subtotal:		4,329,956		195,794	4,754	200,548
75	2026	Construction	Historical	4,058,033	4.742%	192,418	6,625	199,044
76	2026	Construction	New	244,724	2.530%	6,192	-	6,192
77	2026	Environment	Historical	29,810	3.961%	1,181	-	1,181
78	2026	Float	Historical	-	-	(3,238)	-	(3,238)
79	FY 2026	Subtotal:		4,332,567		196,553	6,625	203,178
80	2027	Construction	Historical	4,063,135	4.759%	193,358	7,370	200,728
81	2027	Construction	New	248,878	2.530%	6,297	-	6,297
82	2027	Environment	Historical	29,810	3.961%	1,181	-	1,181
83	2027	Float	Historical	-	-	(3,235)	-	(3,235)
84	FY 2027	Subtotal:		4,341,823		197,601	7,370	204,971
85	2028	Construction	Historical	4,087,043	4.767%	194,825	8,186	203,011
86	2028	Construction	New	253,053	2.530%	6,402	-	6,402
87	2028	Environment	Historical	16,810	4.278%	719	-	719
88	2028	Float	Historical	-	-	(3,231)	-	(3,231)
89	FY 2028	Subtotal:		4,356,906		198,716	8,186	206,902
90	2029	Construction	Historical	4,109,991	4.769%	195,986	6,475	202,461
91	2029	Construction	New	256,959	2.530%	6,501	-	6,501
92	2029	Environment	Historical	10,760	4.058%	437	-	437
93	2029	Float	Historical	-	-	(3,228)	-	(3,228)
94	FY 2029	Subtotal:		4,377,710		199,695	6,475	206,171
95	2030	Construction	Historical	4,135,240	4.780%	197,674	6,663	204,337
96	2030	Construction	New	261,392	2.530%	6,613	-	6,613
97	2030	Environment	Historical	5,380	4.400%	237	-	237
98	2030	Float	Historical	-	-	(3,223)	-	(3,223)
99	FY 2030	Subtotal:		4,402,012		201,302	6,663	207,965
100	2031	Construction	Historical	4,166,546	4.792%	199,663	8,062	207,725
101	2031	Construction	New	265,934	2.530%	6,728	-	6,728
102	2031	Float	Historical	-	-	(3,173)	-	(3,173)
103	FY 2031	Subtotal:		4,432,480		203,218	8,062	211,280
104	2032	Construction	Historical	4,204,702	4.794%	201,593	4,510	206,103
105	2032	Construction	New	270,853	2.530%	6,853	-	6,853
106	2032	Float	Historical	-	-	(3,153)	-	(3,153)
107	FY 2032	Subtotal:		4,475,555		205,293	4,510	209,803
108	2033	Construction	Historical	4,247,409	4.814%	204,452	3,343	207,795
109	2033	Construction	New	276,407	2.530%	6,993	-	6,993
110	2033	Float	Historical	-	-	(2,302)	-	(2,302)
111	FY 2033	Subtotal:		4,523,816		209,143	3,343	212,486
112	2034	Construction	Historical	4,387,454	4.828%	211,808	3,917	215,724
113	2034	Construction	New	281,566	2.530%	7,124	-	7,124
114	2034	Float	Historical	-	-	(2,880)	-	(2,880)
115	FY 2034	Subtotal:		4,669,020		216,051	3,917	219,968
116	2035	Construction	Historical	4,474,911	4.839%	216,535	299	216,834
117	2035	Construction	New	285,629	2.530%	7,226	-	7,226
118	2035	Float	Historical	-	-	(3,159)	-	(3,159)
119	FY 2035	Subtotal:		4,760,540		220,603	299	220,902
120	2036	Construction	Historical	4,535,343	4.863%	220,541	1,877	222,418
121	2036	Construction	New	290,425	2.530%	7,348	-	7,348
122	2036	Float	Historical	-	-	(3,146)	-	(3,146)
123	FY 2036	Subtotal:		4,825,768		224,742	1,877	226,619

Table 12-6: Interest Calculation Summary (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H
	FISCAL YEAR	PROJECT	TYPE	PRINCIPAL	RATE	Interest	Premium	Total
124	2037	Construction	Historical	4,605,567	4.889%	225,178	326	225,504
125	2037	Construction	New	295,659	2.530%	7,480	-	7,480
126	2037	Float	Historical	-	-	(1,719)	-	(1,719)
127	FY 2037	Subtotal:		4,901,226		230,940	326	231,266
128	2038	Construction	Historical	4,835,169	4.912%	237,515	789	238,304
129	2038	Construction	New	300,168	2.530%	7,594	-	7,594
130	2038	Float	Historical	-	-	(1,983)	-	(1,983)
131	FY 2038	Subtotal:		5,135,337		243,127	789	243,916
132	2039	Construction	Historical	5,047,674	4.928%	248,759	723	249,481
133	2039	Construction	New	303,420	2.530%	7,677	-	7,677
134	2039	Float	Historical	-	-	(2,945)	-	(2,945)
135	FY 2039	Subtotal:		5,351,094		253,491	723	254,213
136	2040	Construction	Historical	5,165,752	4.960%	256,214	393	256,607
137	2040	Construction	New	308,011	2.530%	7,793	-	7,793
138	2040	Float	Historical	-	-	(2,886)	-	(2,886)
139	FY 2040	Subtotal:		5,473,763		261,121	393	261,514
140	2041	Construction	Historical	5,298,239	4.994%	264,605	320	264,925
141	2041	Construction	New	313,067	2.530%	7,921	-	7,921
142	2041	Float	Historical	-	-	(2,247)	-	(2,247)
143	FY 2041	Subtotal:		5,611,306		270,278	320	270,598
144	2042	Construction	Historical	5,508,540	5.013%	276,144	60	276,204
145	2042	Construction	New	317,258	2.530%	8,027	-	8,027
146	2042	Float	Historical	-	-	(1,749)	-	(1,749)
147	FY 2042	Subtotal:		5,825,798		282,422	60	282,482
148	2043	Construction	Historical	5,782,152	5.022%	290,408	-	290,408
149	2043	Construction	New	322,295	2.530%	8,154	-	8,154
150	2043	Float	Historical	-	-	(2,565)	-	(2,565)
151	FY 2043	Subtotal:		6,104,447		295,997	-	295,997
152	2044	Construction	Historical	5,980,300	5.044%	301,626	-	301,626
153	2044	Construction	New	326,338	2.530%	8,256	-	8,256
154	2044	Float	Historical	-	-	(3,087)	-	(3,087)
155	FY 2044	Subtotal:		6,306,638		306,795	-	306,795
156	2045	Construction	Historical	6,132,147	5.060%	310,287	3,354	313,640
157	2045	Construction	New	329,605	2.530%	8,339	-	8,339
158	2045	Float	Historical	-	-	(3,196)	-	(3,196)
159	FY 2045	Subtotal:		6,461,752		315,430	3,354	318,783
160	2046	Construction	Historical	6,283,310	5.060%	317,935	3,136	321,071
161	2046	Construction	New	333,499	2.530%	8,438	-	8,438
162	2046	Float	Historical	-	-	(3,161)	-	(3,161)
163	FY 2046	Subtotal:		6,616,809		323,212	3,136	326,348
164	2047	Construction	Historical	6,445,818	5.060%	326,158	2,890	329,049
165	2047	Construction	New	338,102	2.530%	8,554	-	8,554
166	2047	Float	Historical	-	-	(3,123)	-	(3,123)
167	FY 2047	Subtotal:		6,783,920		331,589	2,890	334,480
168	2048	Construction	Historical	6,620,936	5.060%	335,019	2,677	337,696
169	2048	Construction	New	341,663	2.530%	8,644	-	8,644
170	2048	Float	Historical	-	-	(3,082)	-	(3,082)
171	FY 2048	Subtotal:		6,962,599		340,581	2,677	343,258
172	2049	Construction	Historical	6,808,297	5.060%	344,500	2,453	346,953
173	2049	Construction	New	344,541	2.530%	8,717	-	8,717
174	2049	Float	Historical	-	-	(3,038)	-	(3,038)
175	FY 2049	Subtotal:		7,152,838		350,178	2,453	352,632
176	2050	Construction	Historical	7,007,823	5.060%	354,596	2,150	356,746
177	2050	Construction	New	347,044	2.530%	8,780	-	8,780
178	2050	Float	Historical	-	-	(2,991)	-	(2,991)
179	FY 2050	Subtotal:		7,354,867		360,385	2,150	362,535
180	Grand Total:			187,126,236		8,683,638	103,493	8,787,130

Table 12-7: Summary of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
2	Appropriation	Bonneville Power Administration	56,374	8,401	93,619	49,502	16,771	32,685	-	-	-	-	-	-	-	-	-	-	-	-	-
3		Bonneville Power Administration Subtotal:	56,374	8,401	93,619	49,502	16,771	32,685	-	-	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	56,374	8,401	93,619	49,502	16,771	32,685	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Treasury	Construction	-	73,050	-	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	232,113	239,622	224,970	230,105	231,711	230,086	227,779
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	10,000	-	13,000	6,050	5,380	5,380	-
7		BPA Borrowing Subtotal:	0	73,050	0	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779
8		Discounts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Premiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10		Make Whole Call Subtotal:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		Treasury Subtotal:	0	73,050	0	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779
12	GRAND TOTAL:		56,374	81,451	93,619	69,002	53,171	60,149	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779

Table 12-7: Summary of Amortization (\$000s) (FY 2015)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO	
1			<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	<u>2044</u>	<u>2045</u>	<u>2046</u>	<u>2047</u>	<u>2048</u>	<u>2049</u>	<u>2050</u>	<u>TOTAL</u>	
2	Appropriation	Bonneville Power Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
4		Appropriation Subtotal:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257,352
5	Treasury	Construction	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,040,150
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39,810
7		BPA Borrowing Subtotal:	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,079,960
8		Discounts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Premiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10		Make Whole Call Subtotal:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		Treasury Subtotal:	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,079,960
12	GRAND TOTAL:		228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,337,312

Table 12-8: Application of Amortization (\$000s) (FY 2015)

A	B	C	D	E	F	G	H	I	J	
YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED	
1	FY 2013	Bonneville Power Administration	BPA	1973	2018	21,656	5,041	7.280%	No	5,041
2	FY 2013	Bonneville Power Administration	BPA	1973	2018	33,788	15,769	7.280%	No	15,769
3	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,079	12,079	7.270%	No	5,191
4	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,563	12,563	7.270%	No	12,563
5	FY 2013	Bonneville Power Administration	BPA	1974	2019	20,984	17,810	7.270%	No	17,810
6	FY 2013 Subtotal:		-	-	-	101,070	63,262	-	-	56,374
7	FY 2014	Construction	-	1999	2014	59,050	59,050	5.900%	No	59,050
8	FY 2014	Construction	-	2009	2014	14,000	14,000	2.746%	No	14,000
9	FY 2014	Bonneville Power Administration	BPA	1974	2019	12,079	6,888	7.270%	No	6,888
10	FY 2014	Bonneville Power Administration	BPA	1975	2020	11,742	11,742	7.250%	No	1,513
11	FY 2014 Subtotal:		-	-	-	96,871	91,680	-	-	81,451
12	FY 2015	Bonneville Power Administration	BPA	1975	2020	11,742	10,229	7.250%	No	10,229
13	FY 2015	Bonneville Power Administration	BPA	1975	2020	17,158	17,158	7.250%	No	17,158
14	FY 2015	Bonneville Power Administration	BPA	1975	2020	21,916	21,916	7.250%	No	21,916
15	FY 2015	Bonneville Power Administration	BPA	1975	2020	32,026	32,026	7.250%	No	32,026
16	FY 2015	Bonneville Power Administration	BPA	1976	2021	2,212	2,212	7.230%	No	2,212
17	FY 2015	Bonneville Power Administration	BPA	1976	2021	61,025	61,025	7.230%	No	10,078
18	FY 2015 Subtotal:		-	-	-	146,079	144,566	-	-	93,619
19	FY 2016	Construction	-	2011	2016	13,000	13,000	1.957%	No	13,000
20	FY 2016	Construction	-	2011	2016	6,500	6,500	1.423%	No	6,500
21	FY 2016	Bonneville Power Administration	BPA	1976	2021	61,025	50,947	7.230%	No	49,502
22	FY 2016 Subtotal:		-	-	-	80,525	70,447	-	-	69,002
23	FY 2017	Construction	-	2012	2017	36,400	36,400	0.920%	No	36,400
24	FY 2017	Bonneville Power Administration	BPA	1976	2021	61,025	1,445	7.230%	No	1,445
25	FY 2017	Bonneville Power Administration	BPA	1977	2022	4,981	4,981	7.210%	No	4,981
26	FY 2017	Bonneville Power Administration	BPA	1977	2022	33,702	33,702	7.210%	No	10,345
27	FY 2017 Subtotal:		-	-	-	136,108	76,528	-	-	53,171
28	FY 2018	Bonneville Power Administration	BPA	1977	2022	3,948	3,948	7.210%	No	3,948
29	FY 2018	Bonneville Power Administration	BPA	1977	2022	5,380	5,380	7.210%	No	5,380
30	FY 2018	Bonneville Power Administration	BPA	1977	2022	33,702	23,357	7.210%	No	23,357
31	FY 2018	Construction	-	2013	2043	15,000	15,000	6.000%	No	9,464
32	FY 2018	Construction	-	2013	2043	18,000	18,000	6.000%	No	18,000
33	FY 2018 Subtotal:		-	-	-	76,030	65,685	-	-	60,149
34	FY 2019	Construction	-	2009	2019	46,940	46,940	4.026%	No	46,940
35	FY 2019	Construction	-	2009	2019	35,000	35,000	3.699%	No	35,000
36	FY 2019	Construction	-	2010	2019	13,000	13,000	4.069%	No	13,000
37	FY 2019	Construction	-	2010	2019	23,000	23,000	3.719%	No	23,000
38	FY 2019	Construction	-	2010	2019	30,000	30,000	3.714%	No	30,000
39	FY 2019	Construction	-	2010	2019	15,000	15,000	3.533%	No	15,000
40	FY 2019	Construction	-	2013	2019	10,500	10,500	1.800%	No	10,500
41	FY 2019	Construction	-	2013	2019	12,180	13,650	1.800%	No	13,650
42	FY 2019	Construction	-	2013	2019	8,700	8,700	1.100%	No	8,700
43	FY 2019	Construction	-	1998	2028	112,300	112,300	5.850%	No	11,986
44	FY 2019	Construction	-	2013	2043	15,000	5,536	6.000%	No	5,536
45	FY 2019	Construction	-	2013	2043	30,000	30,000	6.000%	No	30,000
46	FY 2019 Subtotal:		-	-	-	351,620	343,626	-	-	243,312
47	FY 2020	Construction	-	2009	2020	50,000	50,000	3.830%	No	50,000
48	FY 2020	Construction	-	2010	2020	43,000	43,000	3.842%	No	43,000
49	FY 2020	Construction	-	2010	2020	50,000	50,000	3.118%	No	50,000
50	FY 2020	Construction	-	2014	2020	5,260	5,260	2.200%	No	5,260
51	FY 2020	Construction	-	2014	2020	5,640	5,640	2.200%	No	5,640
52	FY 2020	Construction	-	2014	2020	6,140	6,140	2.200%	No	6,140
53	FY 2020	Construction	-	2014	2020	6,540	6,540	2.200%	No	6,540
54	FY 2020	Construction	-	1998	2028	112,300	100,314	5.850%	No	59,637
55	FY 2020 Subtotal:		-	-	-	278,880	266,894	-	-	226,217
56	FY 2021	Construction	-	2010	2021	15,000	15,000	4.188%	No	15,000

Table 12-8: Application of Amortization (\$000s) (FY 2015)

A	B	C	D	E	F	G	H	I	J	
YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED	
57	FY 2021	Construction	-	2010	2021	22,000	22,000	4.094%	No	22,000
58	FY 2021	Construction	-	2010	2021	22,000	22,000	3.694%	No	22,000
59	FY 2021	Construction	-	2010	2021	22,000	22,000	3.374%	No	22,000
60	FY 2021	Construction	-	2015	2021	5,390	5,390	3.300%	No	5,390
61	FY 2021	Construction	-	2015	2021	5,780	5,780	3.300%	No	5,780
62	FY 2021	Construction	-	2015	2021	6,290	6,290	3.300%	No	6,290
63	FY 2021	Construction	-	2015	2021	6,700	6,700	3.300%	No	6,700
64	FY 2021	Construction	-	1998	2028	112,300	40,677	5.850%	No	40,677
65	FY 2021	Construction	-	1998	2028	106,500	106,500	5.850%	No	77,646
66	FY 2021 Subtotal:		-	-	-	323,960	252,337	-	-	223,483
67	FY 2022	Construction	-	2009	2022	35,000	35,000	4.253%	No	35,000
68	FY 2022	Construction	-	2009	2022	20,000	20,000	4.200%	No	20,000
69	FY 2022	Construction	-	2010	2022	30,000	30,000	3.372%	No	30,000
70	FY 2022	Construction	-	2010	2022	20,000	20,000	3.029%	No	20,000
71	FY 2022	Construction	-	1998	2028	106,500	28,854	5.850%	No	28,854
72	FY 2022	Construction	-	2009	2039	35,000	35,000	5.192%	No	33,350
73	FY 2022	Construction	-	2013	2043	55,000	55,000	5.700%	No	55,000
74	FY 2022 Subtotal:		-	-	-	301,500	223,854	-	-	222,204
75	FY 2023	Construction	-	2010	2023	46,000	46,000	3.161%	No	46,000
76	FY 2023	Construction	-	2009	2039	35,000	1,650	5.192%	No	1,650
77	FY 2023	Construction	-	2015	2045	51,130	51,130	5.100%	No	9,493
78	FY 2023	Construction	-	2015	2045	76,700	76,700	5.100%	No	76,700
79	FY 2023	Construction	-	2015	2045	84,570	84,570	5.100%	No	84,570
80	FY 2023 Subtotal:		-	-	-	293,400	260,050	-	-	218,412
81	FY 2024	Construction	-	2012	2024	45,000	45,000	3.360%	No	45,000
82	FY 2024	Construction	-	2015	2045	51,130	41,637	5.100%	No	41,637
83	FY 2024	Construction	-	2015	2045	50,940	50,940	5.100%	No	50,940
84	FY 2024	Construction	-	2015	2045	53,690	53,690	5.100%	No	31,888
85	FY 2024	Construction	-	2015	2045	53,690	53,690	5.100%	No	53,690
86	FY 2024 Subtotal:		-	-	-	254,450	244,957	-	-	223,155
87	FY 2025	Construction	-	2010	2025	15,000	15,000	4.310%	Yes	15,000
88	FY 2025	Construction	-	2012	2025	14,300	14,300	4.310%	Yes	14,300
89	FY 2025	Construction	-	2012	2025	26,000	26,000	4.310%	Yes	26,000
90	FY 2025	Construction	-	2012	2025	37,000	37,000	4.310%	Yes	37,000
91	FY 2025	Environment	-	2010	2025	10,000	10,000	4.279%	No	10,000
92	FY 2025	Construction	-	2015	2045	53,690	21,802	5.100%	No	21,802
93	FY 2025	Construction	-	2015	2045	44,050	44,050	5.100%	No	44,050
94	FY 2025	Construction	-	2015	2045	46,610	46,610	5.100%	No	26,171
95	FY 2025	Construction	-	2015	2045	47,790	47,790	5.100%	No	47,790
96	FY 2025 Subtotal:		-	-	-	294,440	262,552	-	-	242,113
97	FY 2026	Construction	-	2011	2026	45,000	45,000	3.450%	No	45,000
98	FY 2026	Construction	-	2015	2045	19,270	19,270	5.100%	No	19,270
99	FY 2026	Construction	-	2015	2045	46,610	20,439	5.100%	No	20,439
100	FY 2026	Construction	-	2015	2045	27,530	27,530	5.100%	No	27,530
101	FY 2026	Construction	-	2015	2045	39,140	39,140	5.100%	No	39,140
102	FY 2026	Construction	-	2016	2051	189,512	189,512	5.060%	No	88,243
103	FY 2026 Subtotal:		-	-	-	367,062	340,891	-	-	239,622
104	FY 2027	Construction	-	2012	2027	17,000	17,000	3.550%	No	17,000
105	FY 2027	Environment	-	2012	2027	13,000	13,000	3.550%	No	13,000
106	FY 2027	Construction	-	2016	2051	189,512	101,269	5.060%	No	101,269
107	FY 2027	Construction	-	2017	2052	196,922	196,922	5.060%	No	106,701
108	FY 2027 Subtotal:		-	-	-	416,434	328,191	-	-	237,970
109	FY 2028	Environment	-	2013	2028	5,000	5,000	5.000%	No	5,000
110	FY 2028	Environment	-	2013	2028	510	510	3.100%	No	510
111	FY 2028	Environment	-	2013	2028	540	540	3.100%	No	540
112	FY 2028	Construction	-	2017	2052	196,922	90,221	5.060%	No	90,221

Table 12-8: Application of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J
	YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED
113	FY 2028	Construction	-	2018	2053	203,574	203,574	5.060%	No	139,884
114	FY 2028 Subtotal:		-	-	-	406,546	299,845	-	-	236,155
115	FY 2029	Construction	-	2011	2029	50,000	50,000	4.238%	No	50,000
116	FY 2029	Environment	-	2014	2029	780	780	4.400%	No	780
117	FY 2029	Environment	-	2014	2029	1,250	1,250	3.600%	No	1,250
118	FY 2029	Environment	-	2014	2029	1,430	1,430	3.600%	No	1,430
119	FY 2029	Environment	-	2014	2029	1,920	1,920	3.600%	No	1,920
120	FY 2029	Construction	-	2018	2053	203,574	63,690	5.060%	No	63,690
121	FY 2029	Construction	-	2019	2054	208,629	208,629	5.060%	No	118,020
122	FY 2029 Subtotal:		-	-	-	467,583	327,699	-	-	237,091
123	FY 2030	Construction	-	2013	2030	42,110	42,110	4.100%	No	42,110
124	FY 2030	Environment	-	2015	2030	780	780	4.400%	No	780
125	FY 2030	Environment	-	2015	2030	1,250	1,250	4.400%	No	1,250
126	FY 2030	Environment	-	2015	2030	1,430	1,430	4.400%	No	1,430
127	FY 2030	Environment	-	2015	2030	1,920	1,920	4.400%	No	1,920
128	FY 2030	Construction	-	2019	2054	208,629	90,609	5.060%	No	90,609
129	FY 2030	Construction	-	2020	2055	215,471	215,471	5.060%	No	97,367
130	FY 2030 Subtotal:		-	-	-	471,590	353,570	-	-	235,466
131	FY 2031	Construction	-	2020	2055	215,471	118,104	5.060%	No	118,104
132	FY 2031	Construction	-	2021	2056	221,414	221,414	5.060%	No	109,674
133	FY 2031 Subtotal:		-	-	-	436,885	339,518	-	-	227,779
134	FY 2032	Construction	-	2011	2032	98,900	98,900	4.355%	No	98,900
135	FY 2032	Construction	-	2021	2056	221,414	111,740	5.060%	No	111,740
136	FY 2032	Construction	-	2022	2057	226,804	226,804	5.060%	No	17,506
137	FY 2032 Subtotal:		-	-	-	547,118	437,444	-	-	228,146
138	FY 2033	Construction	-	2011	2033	40,000	40,000	4.386%	No	40,000
139	FY 2033	Construction	-	2022	2057	226,804	209,298	5.060%	No	96,362
140	FY 2033 Subtotal:		-	-	-	266,804	249,298	-	-	136,362
141	FY 2034	Construction	-	2011	2034	40,000	40,000	4.416%	No	40,000
142	FY 2034	Construction	-	2011	2036	50,000	50,000	4.952%	No	41,232
143	FY 2034	Construction	-	2022	2057	226,804	112,936	5.060%	No	112,877
144	FY 2034 Subtotal:		-	-	-	316,804	202,936	-	-	194,109
145	FY 2035	Construction	-	2011	2035	40,000	40,000	4.794%	No	40,000
146	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
147	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
148	FY 2035	Construction	-	2011	2035	45,000	45,000	4.446%	No	45,000
149	FY 2035	Construction	-	2011	2036	50,000	8,768	4.952%	No	8,768
150	FY 2035	Construction	-	2011	2038	55,000	55,000	4.935%	No	51,429
151	FY 2035 Subtotal:		-	-	-	270,000	228,768	-	-	225,197
152	FY 2036	Construction	-	2011	2036	50,000	50,000	4.629%	No	50,000
153	FY 2036	Construction	-	2011	2038	55,000	3,571	4.935%	No	3,571
154	FY 2036	Construction	-	2011	2040	25,000	25,000	4.775%	No	25,000
155	FY 2036	Construction	-	2014	2044	79,760	79,760	4.500%	No	53,689
156	FY 2036	Construction	-	2014	2044	87,940	87,940	4.500%	No	87,940
157	FY 2036 Subtotal:		-	-	-	297,700	246,271	-	-	220,200
158	FY 2037	Construction	-	2012	2037	35,000	35,000	3.503%	No	35,000
159	FY 2037	Construction	-	2014	2044	79,760	26,071	4.500%	No	26,071
160	FY 2037	Construction	-	2014	2044	53,170	53,170	4.500%	No	4,986
161	FY 2037 Subtotal:		-	-	-	167,930	114,241	-	-	66,057
162	FY 2038	Construction	-	2014	2044	53,170	48,184	4.500%	No	48,184
163	FY 2038	Construction	-	2014	2044	55,830	55,830	4.500%	No	39,479
164	FY 2038 Subtotal:		-	-	-	109,000	104,014	-	-	87,663
165	FY 2039	Construction	-	2011	2039	50,000	50,000	4.295%	No	50,000
166	FY 2039	Construction	-	2012	2039	39,000	39,000	3.627%	No	39,000
167	FY 2039	Construction	-	2014	2044	55,830	16,351	4.500%	No	16,351
168	FY 2039	Construction	-	2014	2044	52,970	52,970	4.500%	No	52,970

Table 12-8: Application of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J
	YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED
169	FY 2039	Construction	-	2014	2044	55,830	55,830	4.500%	No	27,021
170	FY 2039 Subtotal:		-	-	-	253,630	214,151	-	-	185,342
171	FY 2040	Construction	-	2011	2040	35,000	35,000	3.796%	No	35,000
172	FY 2040	Construction	-	2012	2040	30,000	30,000	3.890%	No	30,000
173	FY 2040	Construction	-	2012	2040	45,000	45,000	3.890%	No	45,000
174	FY 2040	Construction	-	2014	2044	55,830	28,809	4.500%	No	28,809
175	FY 2040	Construction	-	2014	2044	45,810	45,810	4.500%	No	36,716
176	FY 2040 Subtotal:		-	-	-	211,640	184,619	-	-	175,525
177	FY 2041	Construction	-	2013	2043	60,016	60,016	4.100%	No	14,293
178	FY 2041	Construction	-	2013	2043	66,330	66,330	4.100%	No	66,330
179	FY 2041	Construction	-	2014	2044	45,810	9,094	4.500%	No	9,094
180	FY 2041	Construction	-	2014	2044	49,700	49,700	4.500%	No	13,049
181	FY 2041 Subtotal:		-	-	-	221,856	185,140	-	-	102,766
182	FY 2042	Construction	-	2013	2043	60,016	45,723	4.100%	No	43,646
183	FY 2042 Subtotal:		-	-	-	60,016	45,723	-	-	43,646
184	FY 2043	Construction	-	2013	2043	60,016	2,077	4.100%	No	2,077
185	FY 2043	Construction	-	2013	2043	39,950	39,950	4.100%	No	39,950
186	FY 2043	Construction	-	2013	2043	40,010	40,010	4.100%	No	40,010
187	FY 2043	Construction	-	2013	2043	42,110	42,110	4.100%	No	42,110
188	FY 2043 Subtotal:		-	-	-	182,086	124,147	-	-	124,147
189	FY 2044	Construction	-	2014	2044	20,040	20,040	4.500%	No	20,040
190	FY 2044	Construction	-	2014	2044	28,630	28,630	4.500%	No	28,630
191	FY 2044	Construction	-	2014	2044	49,700	36,651	4.500%	No	36,651
192	FY 2044	Construction	-	2014	2044	40,700	40,700	4.500%	No	40,700
193	FY 2044	Construction	-	2014	2044	48,470	48,470	4.500%	No	48,470
194	FY 2044 Subtotal:		-	-	-	187,540	174,491	-	-	174,491
195	FY 2045	Construction	-	2022	2057	226,804	59	5.060%	No	59
196	FY 2045	Construction	-	2023	2058	232,252	232,252	5.060%	No	178,383
197	FY 2045 Subtotal:		-	-	-	459,056	232,311	-	-	178,442
198	FY 2046	Construction	-	2023	2058	232,252	53,869	5.060%	No	53,869
199	FY 2046	Construction	-	2024	2059	236,640	236,640	5.060%	No	117,122
200	FY 2046 Subtotal:		-	-	-	468,892	290,509	-	-	170,991
201	FY 2047	Construction	-	2024	2059	236,640	119,518	5.060%	No	119,518
202	FY 2047	Construction	-	2025	2060	241,160	241,160	5.060%	No	43,466
203	FY 2047 Subtotal:		-	-	-	477,800	360,678	-	-	162,984
204	FY 2048	Construction	-	2025	2060	241,160	197,694	5.060%	No	154,302
205	FY 2048 Subtotal:		-	-	-	241,160	197,694	-	-	154,302
206	FY 2049	Construction	-	2025	2060	241,160	43,392	5.060%	No	43,392
207	FY 2049	Construction	-	2026	2061	244,724	244,724	5.060%	No	101,623
208	FY 2049 Subtotal:		-	-	-	485,884	288,116	-	-	145,014
209	FY 2050	Construction	-	2026	2061	244,724	143,101	5.060%	No	135,183
210	FY 2050 Subtotal:		-	-	-	244,724	143,101	-	-	135,183
211	FY 2051	Construction	-	2026	2061	244,724	7,918	5.060%	No	7,918
212	FY 2051	Construction	-	2027	2062	248,878	248,878	5.060%	No	114,376
213	FY 2051 Subtotal:		-	-	-	493,602	256,796	-	-	122,293
214	FY 2052	Construction	-	2027	2062	248,878	134,502	5.060%	No	128,585
215	FY 2052 Subtotal:		-	-	-	248,878	134,502	-	-	128,585
216	FY 2053	Construction	-	2027	2062	248,878	5,917	5.060%	No	5,917
217	FY 2053	Construction	-	2028	2063	253,053	253,053	5.060%	No	129,120
218	FY 2053 Subtotal:		-	-	-	501,931	258,970	-	-	135,037
219	FY 2054	Construction	-	2028	2063	253,053	123,933	5.060%	No	123,933
220	FY 2054	Construction	-	2029	2064	256,959	256,959	5.060%	No	18,040
221	FY 2054 Subtotal:		-	-	-	510,012	380,892	-	-	141,973
222	FY 2055	Construction	-	2029	2064	256,959	238,919	5.060%	No	149,123
223	FY 2055 Subtotal:		-	-	-	256,959	238,919	-	-	149,123
224	FY 2056	Construction	-	2029	2064	256,959	89,796	5.060%	No	89,796

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YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED	
225	FY 2056	Construction	-	2030	2065	261,392	261,392	5.060%	No	66,939
226	FY 2056 Subtotal:		-	-	-	518,351	351,188	-	-	156,735
227	FY 2057	Construction	-	2030	2065	261,392	194,453	5.060%	No	164,708
228	FY 2057 Subtotal:		-	-	-	261,392	194,453	-	-	164,708
229	FY 2058	Construction	-	2030	2065	261,392	29,745	5.060%	No	29,745
230	FY 2058	Construction	-	2031	2066	265,934	265,934	5.060%	No	143,283
231	FY 2058 Subtotal:		-	-	-	527,326	295,679	-	-	173,028
232	FY 2059	Construction	-	2031	2066	265,934	122,651	5.060%	No	122,651
233	FY 2059	Construction	-	2032	2067	270,853	270,853	5.060%	No	59,205
234	FY 2059 Subtotal:		-	-	-	536,787	393,504	-	-	181,856
235	FY 2060	Construction	-	2032	2067	270,853	211,648	5.060%	No	191,094
236	FY 2060 Subtotal:		-	-	-	270,853	211,648	-	-	191,094
237	FY 2061	Construction	-	2032	2067	270,853	20,554	5.060%	No	20,554
238	FY 2061	Construction	-	2033	2068	276,407	276,407	5.060%	No	180,186
239	FY 2061 Subtotal:		-	-	-	547,260	296,961	-	-	200,741
240	FY 2062	Construction	-	2033	2068	276,407	96,221	5.060%	No	96,221
241	FY 2062	Construction	-	2034	2069	281,566	281,566	5.060%	No	114,731
242	FY 2062 Subtotal:		-	-	-	557,973	377,787	-	-	210,952
243	FY 2063	Construction	-	2034	2069	281,566	166,835	5.060%	No	166,835
244	FY 2063	Construction	-	2035	2070	285,629	285,629	5.060%	No	54,835
245	FY 2063 Subtotal:		-	-	-	567,195	452,464	-	-	221,670
246	FY 2064	Construction	-	2035	2070	285,629	230,794	5.060%	No	230,794
247	FY 2064	Construction	-	2036	2071	290,425	290,425	5.060%	No	2,124
248	FY 2064 Subtotal:		-	-	-	576,054	521,219	-	-	232,918
249	FY 2065	Construction	-	2036	2071	290,425	288,301	5.060%	No	244,660
250	FY 2065 Subtotal:		-	-	-	290,425	288,301	-	-	244,660
251	FY 2066	Construction	-	2036	2071	290,425	43,641	5.060%	No	43,641
252	FY 2066	Construction	-	2037	2072	295,659	295,659	5.060%	No	213,413
253	FY 2066 Subtotal:		-	-	-	586,084	339,300	-	-	257,054
254	FY 2067	Construction	-	2037	2072	295,659	82,246	5.060%	No	82,246
255	FY 2067	Construction	-	2038	2073	300,168	300,168	5.060%	No	187,818
256	FY 2067 Subtotal:		-	-	-	595,827	382,414	-	-	270,065
257	FY 2068	Construction	-	2038	2073	300,168	112,350	5.060%	No	112,350
258	FY 2068	Construction	-	2039	2074	303,420	303,420	5.060%	No	171,369
259	FY 2068 Subtotal:		-	-	-	603,588	415,770	-	-	283,719
260	FY 2069	Construction	-	2039	2074	303,420	132,051	5.060%	No	132,051
261	FY 2069	Construction	-	2040	2075	308,011	308,011	5.060%	No	165,996
262	FY 2069 Subtotal:		-	-	-	611,431	440,062	-	-	298,047
263	FY 2070	Construction	-	2040	2075	308,011	142,015	5.060%	No	142,015
264	FY 2070	Construction	-	2041	2076	313,067	313,067	5.060%	No	171,068
265	FY 2070 Subtotal:		-	-	-	621,078	455,082	-	-	313,083
266	FY 2071	Construction	-	2041	2076	313,067	141,999	5.060%	No	141,999
267	FY 2071	Construction	-	2042	2077	317,258	317,258	5.060%	No	186,864
268	FY 2071 Subtotal:		-	-	-	630,325	459,257	-	-	328,863
269	FY 2072	Construction	-	2042	2077	317,258	130,394	5.060%	No	130,394
270	FY 2072	Construction	-	2043	2078	322,295	322,295	5.060%	No	215,027
271	FY 2072 Subtotal:		-	-	-	639,553	452,689	-	-	345,421
272	FY 2073	Construction	-	2043	2078	322,295	107,268	5.060%	No	107,268
273	FY 2073	Construction	-	2044	2079	326,338	326,338	5.060%	No	255,529
274	FY 2073 Subtotal:		-	-	-	648,633	433,606	-	-	362,797
275	FY 2074	Construction	-	2044	2079	326,338	70,809	5.060%	No	70,809
276	FY 2074	Construction	-	2045	2080	329,605	329,605	5.060%	No	310,221
277	FY 2074 Subtotal:		-	-	-	655,943	400,414	-	-	381,030
278	FY 2075	Construction	-	2045	2080	329,605	19,384	5.060%	No	19,384
279	FY 2075	Construction	-	2046	2081	333,499	333,499	5.060%	No	333,499
280	FY 2075	Construction	-	2047	2082	338,102	338,102	5.060%	No	47,210
281	FY 2075 Subtotal:		-	-	-	1,001,206	690,985	-	-	400,093
282	FY 2076	Construction	-	2047	2082	338,102	290,892	5.060%	No	290,892
283	FY 2076	Construction	-	2048	2083	341,663	341,663	5.060%	No	129,220
284	FY 2076 Subtotal:		-	-	-	679,765	632,555	-	-	420,112
285	FY 2077	Construction	-	2048	2083	341,663	212,443	5.060%	No	212,443
286	FY 2077	Construction	-	2049	2084	344,541	344,541	5.060%	No	228,701
287	FY 2077 Subtotal:		-	-	-	686,204	556,984	-	-	441,144
288	FY 2078	Construction	-	2049	2084	344,541	115,840	5.060%	No	115,840
289	FY 2078	Construction	-	2050	2085	347,044	347,044	5.060%	No	347,044
290	FY 2078 Subtotal:		-	-	-	691,585	462,884	-	-	462,884
291	Grand Total:		-	-	-	26,086,893	19,155,089	-	-	13,556,996

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Table 13-1: Summary of Interest (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1		Project	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031
2	Appropriation	Bonneville Power Administration	18,641	14,540	14,257	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
3		Bonneville Power Administration Subtotal:	18,641	14,540	14,257	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	18,641	14,540	14,257	7,145	6,202	6,202	3,728	2,156	-	-	-	-	-	-	-	-	-	-	-
5	Treasury	Construction	85,724	108,349	126,408	137,853	145,954	154,567	163,666	166,274	170,077	170,139	170,858	171,203	172,749	174,001	175,546	177,607	179,242	181,378	183,594
6		Environment	1,102	1,233	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,372	1,122	694	694	232	200	-	-
7		(Less Interest Income)	(1,333)	(1,265)	(1,501)	(1,036)	(917)	(1,025)	(2,615)	(2,459)	(2,442)	(2,452)	(2,451)	(2,503)	(2,660)	(2,657)	(2,652)	(2,646)	(2,641)	(2,634)	(2,587)
8		Coupon Scale Down Premiums	-	-	-	19	-	-	-	138	3,370	1,086	3,392	3,826	2,766	5,318	5,723	6,568	4,843	5,187	6,205
9		BPA Borrowing Subtotal:	85,492	108,317	126,278	138,208	146,409	154,914	162,423	165,324	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212
10		Treasury Subtotal:	85,492	108,317	126,278	138,208	146,409	154,914	162,423	165,324	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212
11	GRAND TOTAL:		104,133	122,858	140,535	145,353	152,612	161,116	166,150	167,480	172,377	170,145	173,171	173,897	173,978	177,356	179,311	181,762	181,644	183,931	187,212

Table 13-1: Summary of Interest (\$000s) (FY 2014)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	
1		Project	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	Total	
2	Appropriation	Bonneville Power Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,871
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,871
4		Appropriation Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72,871
5	Treasury	Construction	186,172	189,139	196,368	201,180	204,887	208,922	220,379	230,636	237,053	244,473	254,773	267,646	277,350	284,440	291,363	298,766	306,665	315,040		7,430,441
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18,996
7		(Less Interest Income)	(2,566)	(1,782)	(2,316)	(2,572)	(2,562)	(1,251)	(1,498)	(2,388)	(2,339)	(1,756)	(1,303)	(2,061)	(2,548)	(2,655)	(2,626)	(2,595)	(2,562)	(2,526)		(80,380)
8		Coupon Scale Down Premiums	3,116	2,066	2,853	969	2,309	51	561	540	177	220	31			2,497	2,319	2,119	2,006	1,780		72,053
9		BPA Borrowing Subtotal:	186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294		7,441,111
10		Treasury Subtotal:	186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294		7,441,111
11		GRAND TOTAL:	186,722	189,423	196,905	199,577	204,634	207,721	219,441	228,788	234,892	242,938	253,502	265,585	274,802	284,283	291,056	298,290	306,109	314,294		7,513,982

Table 13-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
1	2013	Bonneville Power Administration	Historical	257,352	7.243%	18,641	-	18,641
2	2013	Construction	Historical	1,927,890	4.074%	78,544	-	78,544
3	2013	Construction	New	361,396	1.987%	7,180	-	7,180
4	2013	Environment	Historical	23,000	3.867%	889	-	889
5	2013	Environment	New	5,540	3.836%	213	-	213
6	2013	Float	Historical	-	-	(1,333)	-	(1,333)
7	FY 2013 Subtotal:			2,575,178		104,133	-	104,133
8	2014	Bonneville Power Administration	Historical	200,978	7.235%	14,540	-	14,540
9	2014	Construction	Historical	2,369,266	4.132%	97,901	-	97,901
10	2014	Construction	New	547,950	1.907%	10,448	-	10,448
11	2014	Environment	Historical	29,050	4.034%	1,172	-	1,172
12	2014	Environment	New	3,460	1.766%	61	-	61
13	2014	Float	Historical	-	-	(1,265)	-	(1,265)
14	FY 2014 Subtotal:			3,150,704		122,858	-	122,858
15	2015	Bonneville Power Administration	Historical	197,077	7.234%	14,257	-	14,257
16	2015	Construction	Historical	2,938,646	4.165%	122,399	-	122,399
17	2015	Construction	New	177,753	2.255%	4,008	-	4,008
18	2015	Environment	Historical	34,430	3.985%	1,372	-	1,372
19	2015	Float	Historical	-	-	(1,501)	-	(1,501)
20	FY 2015 Subtotal:			3,347,906		140,535	-	140,535
21	2016	Bonneville Power Administration	Historical	98,958	7.220%	7,145	-	7,145
22	2016	Construction	Historical	3,116,399	4.289%	133,663	19	133,682
23	2016	Construction	New	185,811	2.255%	4,190	-	4,190
24	2016	Environment	Historical	34,430	3.985%	1,372	-	1,372
25	2016	Float	Historical	-	-	(1,036)	-	(1,036)
26	FY 2016 Subtotal:			3,435,598		145,334	19	145,353
27	2017	Bonneville Power Administration	Historical	85,919	7.219%	6,202	-	6,202
28	2017	Construction	Historical	3,272,225	4.327%	141,600	-	141,600
29	2017	Construction	New	193,085	2.255%	4,354	-	4,354
30	2017	Environment	Historical	34,430	3.985%	1,372	-	1,372
31	2017	Float	Historical	-	-	(917)	-	(917)
32	FY 2017 Subtotal:			3,585,659		152,612	-	152,612
33	2018	Bonneville Power Administration	Historical	85,919	7.219%	6,202	-	6,202
34	2018	Construction	Historical	3,439,395	4.363%	150,070	-	150,070
35	2018	Construction	New	199,431	2.255%	4,497	-	4,497
36	2018	Environment	Historical	34,430	3.985%	1,372	-	1,372
37	2018	Float	Historical	-	-	(1,025)	-	(1,025)
38	FY 2018 Subtotal:			3,759,175		161,116	-	161,116
39	2019	Bonneville Power Administration	Historical	51,690	7.211%	3,728	-	3,728
40	2019	Construction	Historical	3,638,826	4.371%	159,064	-	159,064
41	2019	Construction	New	204,100	2.255%	4,602	-	4,602
42	2019	Environment	Historical	34,430	3.985%	1,372	-	1,372
43	2019	Float	Historical	-	-	(2,615)	-	(2,615)
44	FY 2019 Subtotal:			3,929,046		166,150	-	166,150
45	2020	Bonneville Power Administration	Historical	29,899	7.210%	2,156	-	2,156
46	2020	Construction	Historical	3,647,136	4.429%	161,525	138	161,663
47	2020	Construction	New	210,564	2.255%	4,748	-	4,748
48	2020	Environment	Historical	34,430	3.985%	1,372	-	1,372
49	2020	Float	Historical	-	-	(2,459)	-	(2,459)
50	FY 2020 Subtotal:			3,922,029		167,342	138	167,480
51	2021	Construction	Historical	3,688,126	4.479%	165,197	3,370	168,567
52	2021	Construction	New	216,398	2.255%	4,880	-	4,880
53	2021	Environment	Historical	34,430	3.985%	1,372	-	1,372
54	2021	Float	Historical	-	-	(2,442)	-	(2,442)
55	FY 2021 Subtotal:			3,938,954		169,007	3,370	172,377
56	2022	Construction	Historical	3,710,071	4.451%	165,146	1,086	166,232
57	2022	Construction	New	221,403	2.255%	4,993	-	4,993
58	2022	Environment	Historical	34,430	3.985%	1,372	-	1,372
59	2022	Float	Historical	-	-	(2,452)	-	(2,452)
60	FY 2022 Subtotal:			3,965,904		169,059	1,086	170,145

Table 13-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
61	2023	Construction	Historical	3,733,656	4.439%	165,756	3,392	169,148
62	2023	Construction	New	226,273	2.255%	5,102	-	5,102
63	2023	Environment	Historical	34,430	3.985%	1,372	-	1,372
64	2023	Float	Historical	-	-	(2,451)	-	(2,451)
65	FY 2023 Subtotal:			3,994,359		169,779	3,392	173,171
66	2024	Construction	Historical	3,764,915	4.409%	166,013	3,759	169,772
67	2024	Construction	New	230,147	2.255%	5,190	-	5,190
68	2024	Environment	Historical	34,430	3.985%	1,372	67	1,439
69	2024	Float	Historical	-	-	(2,503)	-	(2,503)
70	FY 2024 Subtotal:			4,029,492		170,071	3,826	173,897
71	2025	Construction	Historical	3,799,559	4.407%	167,460	2,766	170,226
72	2025	Construction	New	234,570	2.255%	5,290	-	5,290
73	2025	Environment	Historical	29,430	3.812%	1,122	-	1,122
74	2025	Float	Historical	-	-	(2,660)	-	(2,660)
75	FY 2025 Subtotal:			4,063,559		171,212	2,766	173,978
76	2026	Construction	Historical	3,825,037	4.409%	168,640	5,318	173,958
77	2026	Construction	New	237,736	2.255%	5,361	-	5,361
78	2026	Environment	Historical	19,430	3.572%	694	-	694
79	2026	Float	Historical	-	-	(2,657)	-	(2,657)
80	FY 2026 Subtotal:			4,082,203		172,038	5,318	177,356
81	2027	Construction	Historical	3,846,936	4.422%	170,105	5,723	175,827
82	2027	Construction	New	241,278	2.255%	5,441	-	5,441
83	2027	Environment	Historical	19,430	3.572%	694	-	694
84	2027	Float	Historical	-	-	(2,652)	-	(2,652)
85	FY 2027 Subtotal:			4,107,644		173,588	5,723	179,311
86	2028	Construction	Historical	3,887,213	4.427%	172,085	6,568	178,652
87	2028	Construction	New	244,918	2.255%	5,523	-	5,523
88	2028	Environment	Historical	6,430	3.615%	232	-	232
89	2028	Float	Historical	-	-	(2,646)	-	(2,646)
90	FY 2028 Subtotal:			4,138,561		175,194	6,568	181,762
91	2029	Construction	Historical	3,921,536	4.428%	173,633	4,843	178,475
92	2029	Construction	New	248,752	2.255%	5,609	-	5,609
93	2029	Environment	Historical	5,380	3.716%	200	-	200
94	2029	Float	Historical	-	-	(2,641)	-	(2,641)
95	FY 2029 Subtotal:			4,175,668		176,801	4,843	181,644
96	2030	Construction	Historical	3,963,703	4.432%	175,670	5,187	180,857
97	2030	Construction	New	253,103	2.255%	5,707	-	5,707
98	2030	Float	Historical	-	-	(2,634)	-	(2,634)
99	FY 2030 Subtotal:			4,216,806		178,744	5,187	183,931
100	2031	Construction	Historical	4,006,962	4.437%	177,794	6,205	183,999
101	2031	Construction	New	257,207	2.255%	5,800	-	5,800
102	2031	Float	Historical	-	-	(2,587)	-	(2,587)
103	FY 2031 Subtotal:			4,264,169		181,007	6,205	187,212
104	2032	Construction	Historical	4,061,994	4.438%	180,276	3,116	183,392
105	2032	Construction	New	261,465	2.255%	5,896	-	5,896
106	2032	Float	Historical	-	-	(2,566)	-	(2,566)
107	FY 2032 Subtotal:			4,323,459		183,606	3,116	186,722
108	2033	Construction	Historical	4,121,929	4.443%	183,132	2,066	185,198
109	2033	Construction	New	266,389	2.255%	6,007	-	6,007
110	2033	Float	Historical	-	-	(1,782)	-	(1,782)
111	FY 2033 Subtotal:			4,388,318		187,357	2,066	189,423
112	2034	Construction	Historical	4,278,612	4.446%	190,248	2,853	193,101
113	2034	Construction	New	271,374	2.255%	6,119	-	6,119
114	2034	Float	Historical	-	-	(2,316)	-	(2,316)
115	FY 2034 Subtotal:			4,549,986		194,052	2,853	196,905
116	2035	Construction	Historical	4,382,538	4.449%	194,979	969	195,948
117	2035	Construction	New	274,987	2.255%	6,201	-	6,201
118	2035	Float	Historical	-	-	(2,572)	-	(2,572)
119	FY 2035 Subtotal:			4,657,525		198,608	969	199,577

Table 13-2: Interest Calculation Summary (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H
	Fiscal Year	Project	Type	Principal	Rate	Interest	Premium	Total
120	2036	Construction	Historical	4,460,742	4.452%	198,593	2,309	200,902
121	2036	Construction	New	279,135	2.255%	6,294	-	6,294
122	2036	Float	Historical	-	-	(2,562)	-	(2,562)
123	FY 2036 Subtotal:			4,739,877		202,325	2,309	204,634
124	2037	Construction	Historical	4,547,457	4.454%	202,523	51	202,573
125	2037	Construction	New	283,794	2.255%	6,400	-	6,400
126	2037	Float	Historical	-	-	(1,251)	-	(1,251)
127	FY 2037 Subtotal:			4,831,251		207,671	51	207,721
128	2038	Construction	Historical	4,791,435	4.464%	213,879	561	214,440
129	2038	Construction	New	288,220	2.255%	6,499	-	6,499
130	2038	Float	Historical	-	-	(1,498)	-	(1,498)
131	FY 2038 Subtotal:			5,079,655		218,880	561	219,441
132	2039	Construction	Historical	5,017,305	4.466%	224,072	540	224,612
133	2039	Construction	New	291,085	2.255%	6,564	-	6,564
134	2039	Float	Historical	-	-	(2,388)	-	(2,388)
135	FY 2039 Subtotal:			5,308,390		228,248	540	228,788
136	2040	Construction	Historical	5,147,426	4.476%	230,400	177	230,577
137	2040	Construction	New	295,065	2.255%	6,654	-	6,654
138	2040	Float	Historical	-	-	(2,339)	-	(2,339)
139	FY 2040 Subtotal:			5,442,491		234,715	177	234,892
140	2041	Construction	Historical	5,290,169	4.494%	237,718	220	237,938
141	2041	Construction	New	299,576	2.255%	6,755	-	6,755
142	2041	Float	Historical	-	-	(1,756)	-	(1,756)
143	FY 2041 Subtotal:			5,589,745		242,718	220	242,938
144	2042	Construction	Historical	5,509,164	4.500%	247,925	31	247,956
145	2042	Construction	New	303,690	2.255%	6,848	-	6,848
146	2042	Float	Historical	-	-	(1,303)	-	(1,303)
147	FY 2042 Subtotal:			5,812,854		253,470	31	253,502
148	2043	Construction	Historical	5,790,075	4.502%	260,687	-	260,687
149	2043	Construction	New	308,578	2.255%	6,958	-	6,958
150	2043	Float	Historical	-	-	(2,061)	-	(2,061)
151	FY 2043 Subtotal:			6,098,653		265,585	-	265,585
152	2044	Construction	Historical	5,993,946	4.510%	270,311	-	270,311
153	2044	Construction	New	312,135	2.255%	7,039	-	7,039
154	2044	Float	Historical	-	-	(2,548)	-	(2,548)
155	FY 2044 Subtotal:			6,306,081		274,802	-	274,802
156	2045	Construction	Historical	6,149,465	4.510%	277,341	2,497	279,838
157	2045	Construction	New	314,836	2.255%	7,100	-	7,100
158	2045	Float	Historical	-	-	(2,655)	-	(2,655)
159	FY 2045 Subtotal:			6,464,301		281,786	2,497	284,283
160	2046	Construction	Historical	6,301,247	4.510%	284,186	2,319	286,505
161	2046	Construction	New	318,263	2.255%	7,177	-	7,177
162	2046	Float	Historical	-	-	(2,626)	-	(2,626)
163	FY 2046 Subtotal:			6,619,510		288,737	2,319	291,056
164	2047	Construction	Historical	6,463,132	4.510%	291,487	2,119	293,606
165	2047	Construction	New	322,781	2.255%	7,279	-	7,279
166	2047	Float	Historical	-	-	(2,595)	-	(2,595)
167	FY 2047 Subtotal:			6,785,913		296,171	2,119	298,290
168	2048	Construction	Historical	6,636,646	4.510%	299,313	2,006	301,319
169	2048	Construction	New	326,031	2.255%	7,352	-	7,352
170	2048	Float	Historical	-	-	(2,562)	-	(2,562)
171	FY 2048 Subtotal:			6,962,677		304,103	2,006	306,109
172	2049	Construction	Historical	6,821,144	4.510%	307,634	1,780	309,414
173	2049	Construction	New	328,462	2.255%	7,407	-	7,407
174	2049	Float	Historical	-	-	(2,526)	-	(2,526)
175	FY 2049 Subtotal:			7,149,606		312,514	1,780	314,294
176	Grand Total:			173,792,905		7,441,928	72,053	7,513,982

Table 13-3: Summary of Amortization (\$000s) (FY 2014)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T
1			2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
2	BONNEVILLE POWER ADMINISTRATION	BPA	56,374	3,901	98,119	13,039	-	34,230	21,790	29,899	-	-	-	-	-	-	-	-	-	-
3		APPROPRIATION SUBTOTAL:	56,374	3,901	98,119	13,039	0	34,230	21,790	29,899	0	0	0	0	0	0	0	0	0	0
4	BPA BORROWING	CONSTRUCTION	56,374	3,901	98,119	13,039	-	34,230	21,790	29,899	-	-	-	-	-	-	-	-	-	-
5		ENVIRONMENT	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	195,503	209,092	215,837	201,000	210,595	206,585	209,845
6		BPA BORROWING SUBTOTAL:	-	-	-	-	-	-	-	-	-	-	-	5,000	10,000	-	13,000	1,050	5,380	-
7	MAKE WHOLE CALL	DISCOUNTS	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845
8		PREMIUMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		MAKE WHOLE CALL SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		TREASURY SUBTOTAL:	-	73,050	-	29,985	25,915	-	195,790	169,574	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845
11		GRAND TOTAL:	56,374	76,951	98,119	43,024	25,915	34,230	217,580	199,473	194,453	197,818	195,014	200,503	219,092	215,837	214,000	211,645	211,965	209,845

Table 13-3: Summary of Amortization (\$000s) (FY 2014)

	A	B	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN
1			2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	TOTAL
2	BONNEVILLE POWER ADMINISTRATION	BPA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
3		APPROPRIATION SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257,352
4	BPA BORROWING	CONSTRUCTION	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
5		ENVIRONMENT	202,175	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	5,123,902
6		BPA BORROWING SUBTOTAL:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34,430
7	MAKE WHOLE CALL	DISCOUNTS	202,175	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	5,158,332
8		PREMIUMS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		MAKE WHOLE CALL SUBTOTAL:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		TREASURY SUBTOTAL:	202,175	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	5,158,332
11		GRAND TOTAL:	202,175	201,530	109,706	167,448	196,783	192,420	39,816	62,349	160,964	152,322	80,581	22,779	104,706	156,617	163,054	156,378	149,267	141,533	133,417	5,415,684

Table 13-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
1	FY 2013	Bonneville Power Administration	BPA	1973	2018	21,656	5,041	7.280%	No	5,041
2	FY 2013	Bonneville Power Administration	BPA	1973	2018	33,788	15,769	7.280%	No	15,769
3	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,079	12,079	7.270%	No	5,191
4	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,563	12,563	7.270%	No	12,563
5	FY 2013	Bonneville Power Administration	BPA	1974	2019	20,984	17,810	7.270%	No	17,810
6	FY 2013 Subtotal:		-	-	-	101,070	63,262	-	-	56,374
7	FY 2014	Construction	-	1999	2014	59,050	59,050	5.900%	No	59,050
8	FY 2014	Construction	-	2009	2014	14,000	14,000	2.746%	No	14,000
9	FY 2014	Bonneville Power Administration	BPA	1974	2019	12,079	6,888	7.270%	No	3,901
10	FY 2014 Subtotal:		-	-	-	85,129	79,938	-	-	76,951
11	FY 2015	Bonneville Power Administration	BPA	1974	2019	12,079	2,987	7.270%	No	2,987
12	FY 2015	Bonneville Power Administration	BPA	1975	2020	11,742	11,742	7.250%	No	11,742
13	FY 2015	Bonneville Power Administration	BPA	1975	2020	17,158	17,158	7.250%	No	17,158
14	FY 2015	Bonneville Power Administration	BPA	1975	2020	21,916	21,916	7.250%	No	21,916
15	FY 2015	Bonneville Power Administration	BPA	1975	2020	32,026	32,026	7.250%	No	32,026
16	FY 2015	Bonneville Power Administration	BPA	1976	2021	2,212	2,212	7.230%	No	2,212
17	FY 2015	Bonneville Power Administration	BPA	1976	2021	61,025	61,025	7.230%	No	10,078
18	FY 2015 Subtotal:		-	-	-	158,158	149,066	-	-	98,119
19	FY 2016	Construction	-	2011	2016	13,000	13,000	1.957%	No	13,000
20	FY 2016	Construction	-	2011	2016	6,500	6,500	1.423%	No	6,500
21	FY 2016	Construction	-	2012	2017	36,400	36,400	0.920%	No	10,485
22	FY 2016	Bonneville Power Administration	BPA	1976	2021	61,025	50,947	7.230%	No	13,039
23	FY 2016 Subtotal:		-	-	-	116,925	106,847	-	-	43,024
24	FY 2017	Construction	-	2012	2017	36,400	25,915	0.920%	No	25,915
25	FY 2017 Subtotal:		-	-	-	36,400	25,915	-	-	25,915
26	FY 2018	Bonneville Power Administration	BPA	1976	2021	61,025	37,908	7.230%	No	34,230
27	FY 2018 Subtotal:		-	-	-	61,025	37,908	-	-	34,230
28	FY 2019	Construction	-	2009	2019	46,940	46,940	4.026%	No	46,940
29	FY 2019	Construction	-	2009	2019	35,000	35,000	3.699%	No	35,000
30	FY 2019	Construction	-	2010	2019	13,000	13,000	4.069%	No	13,000
31	FY 2019	Construction	-	2010	2019	23,000	23,000	3.719%	No	23,000
32	FY 2019	Construction	-	2010	2019	30,000	30,000	3.714%	No	30,000
33	FY 2019	Construction	-	2010	2019	15,000	15,000	3.533%	No	15,000
34	FY 2019	Construction	-	2013	2019	10,500	10,500	1.800%	No	10,500
35	FY 2019	Construction	-	2013	2019	12,180	13,650	1.800%	No	13,650
36	FY 2019	Construction	-	2013	2019	8,700	8,700	1.100%	No	8,700
37	FY 2019	Bonneville Power Administration	BPA	1976	2021	61,025	3,679	7.230%	No	3,679
38	FY 2019	Bonneville Power Administration	BPA	1977	2022	4,981	4,981	7.210%	No	4,981
39	FY 2019	Bonneville Power Administration	BPA	1977	2022	33,702	33,702	7.210%	No	13,131
40	FY 2019 Subtotal:		-	-	-	294,028	238,152	-	-	217,580
41	FY 2020	Construction	-	2009	2020	50,000	50,000	3.830%	No	50,000
42	FY 2020	Construction	-	2010	2020	43,000	43,000	3.842%	No	43,000
43	FY 2020	Construction	-	2010	2020	50,000	50,000	3.118%	No	50,000
44	FY 2020	Construction	-	2014	2020	5,260	5,260	2.200%	No	5,260
45	FY 2020	Construction	-	2014	2020	5,640	5,640	2.200%	No	5,640
46	FY 2020	Construction	-	2014	2020	6,140	6,140	2.200%	No	6,140
47	FY 2020	Construction	-	2014	2020	6,540	6,540	2.200%	No	6,540
48	FY 2020	Bonneville Power Administration	BPA	1977	2022	3,948	3,948	7.210%	No	3,948
49	FY 2020	Bonneville Power Administration	BPA	1977	2022	5,380	5,380	7.210%	No	5,380
50	FY 2020	Bonneville Power Administration	BPA	1977	2022	33,702	20,571	7.210%	No	20,571
51	FY 2020	Construction	-	2013	2043	18,000	18,000	6.000%	No	2,994
52	FY 2020 Subtotal:		-	-	-	227,610	214,479	-	-	199,473
53	FY 2021	Construction	-	2010	2021	15,000	15,000	4.188%	No	15,000
54	FY 2021	Construction	-	2010	2021	22,000	22,000	4.094%	No	22,000
55	FY 2021	Construction	-	2010	2021	22,000	22,000	3.694%	No	22,000
56	FY 2021	Construction	-	2010	2021	22,000	22,000	3.374%	No	22,000
57	FY 2021	Construction	-	1998	2028	112,300	112,300	5.850%	No	53,447
58	FY 2021	Construction	-	2013	2043	15,000	15,000	6.000%	No	15,000
59	FY 2021	Construction	-	2013	2043	18,000	15,006	6.000%	No	15,006
60	FY 2021	Construction	-	2013	2043	30,000	30,000	6.000%	No	30,000
61	FY 2021 Subtotal:		-	-	-	256,300	253,306	-	-	194,453

Table 13-4: Application of Amortization (\$000s) (FY 2014)

A	B	C	D	E	F	G	H	I	J	
Fiscal Year	Project	Appropriation Type	In Service	Due Date	Original Principal	Current Balance	Rate	Rollover	Amount Amortized	
137	FY 2036	Construction	-	2014	2044	79,760	38,990	4.500%	No	38,990
138	FY 2036	Construction	-	2014	2044	52,970	52,970	4.500%	No	44,431
139	FY 2036	Construction	-	2014	2044	53,170	53,170	4.500%	No	53,170
140	FY 2036	Construction	-	2014	2044	55,830	55,830	4.500%	No	55,830
141	FY 2036 Subtotal:		-	-	-	241,730	200,960	-	-	192,420
142	FY 2037	Construction	-	2012	2037	35,000	35,000	3.503%	No	35,000
143	FY 2037	Construction	-	2014	2044	52,970	8,539	4.500%	No	4,816
144	FY 2037 Subtotal:		-	-	-	87,970	43,539	-	-	39,816
145	FY 2038	Construction	-	2014	2044	52,970	3,723	4.500%	No	3,723
146	FY 2038	Construction	-	2014	2044	45,810	45,810	4.500%	No	2,796
147	FY 2038	Construction	-	2014	2044	55,830	55,830	4.500%	No	55,830
148	FY 2038 Subtotal:		-	-	-	154,610	105,363	-	-	62,349
149	FY 2039	Construction	-	2011	2039	50,000	50,000	4.295%	No	50,000
150	FY 2039	Construction	-	2012	2039	39,000	39,000	3.627%	No	39,000
151	FY 2039	Construction	-	2014	2044	45,810	43,014	4.500%	No	43,014
152	FY 2039	Construction	-	2014	2044	49,700	49,700	4.500%	No	28,951
153	FY 2039 Subtotal:		-	-	-	184,510	181,714	-	-	160,964
154	FY 2040	Construction	-	2011	2040	35,000	35,000	3.796%	No	35,000
155	FY 2040	Construction	-	2012	2040	30,000	30,000	3.890%	No	30,000
156	FY 2040	Construction	-	2012	2040	45,000	45,000	3.890%	No	45,000
157	FY 2040	Construction	-	2013	2043	66,330	66,330	4.100%	No	40,351
158	FY 2040	Construction	-	2014	2044	49,700	20,749	4.500%	No	1,971
159	FY 2040 Subtotal:		-	-	-	226,030	197,079	-	-	152,322
160	FY 2041	Construction	-	2013	2043	66,330	25,979	4.100%	No	25,979
161	FY 2041	Construction	-	2013	2043	60,016	60,016	4.100%	No	54,602
162	FY 2041 Subtotal:		-	-	-	126,346	85,995	-	-	80,581
163	FY 2042	Construction	-	2013	2043	60,016	5,414	4.100%	No	5,414
164	FY 2042	Construction	-	2013	2043	40,010	40,010	4.100%	No	17,365
165	FY 2042 Subtotal:		-	-	-	100,026	45,424	-	-	22,779
166	FY 2043	Construction	-	2013	2043	40,010	22,645	4.100%	No	22,645
167	FY 2043	Construction	-	2013	2043	39,950	39,950	4.100%	No	39,950
168	FY 2043	Construction	-	2013	2043	42,110	42,110	4.100%	No	42,110
169	FY 2043	Construction	-	2014	2044	49,700	18,778	4.500%	No	2
170	FY 2043 Subtotal:		-	-	-	171,770	123,483	-	-	104,706
171	FY 2044	Construction	-	2014	2044	49,700	18,777	4.500%	No	18,777
172	FY 2044	Construction	-	2014	2044	20,040	20,040	4.500%	No	20,040
173	FY 2044	Construction	-	2014	2044	28,630	28,630	4.500%	No	28,630
174	FY 2044	Construction	-	2014	2044	40,700	40,700	4.500%	No	40,700
175	FY 2044	Construction	-	2014	2044	48,470	48,470	4.500%	No	48,470
176	FY 2044 Subtotal:		-	-	-	187,540	156,617	-	-	156,617
177	FY 2045	Construction	-	2021	2056	216,398	18,585	4.510%	No	18,585
178	FY 2045	Construction	-	2022	2057	221,403	221,403	4.510%	No	144,469
179	FY 2045 Subtotal:		-	-	-	437,801	239,988	-	-	163,054
180	FY 2046	Construction	-	2022	2057	221,403	76,934	4.510%	No	76,934
181	FY 2046	Construction	-	2023	2058	226,273	226,273	4.510%	No	79,444
182	FY 2046 Subtotal:		-	-	-	447,676	303,207	-	-	156,378
183	FY 2047	Construction	-	2023	2058	226,273	146,829	4.510%	No	146,829
184	FY 2047	Construction	-	2024	2059	230,147	230,147	4.510%	No	2,438
185	FY 2047 Subtotal:		-	-	-	456,420	376,976	-	-	149,267
186	FY 2048	Construction	-	2024	2059	230,147	227,709	4.510%	No	141,533
187	FY 2048 Subtotal:		-	-	-	230,147	227,709	-	-	141,533
188	FY 2049	Construction	-	2024	2059	230,147	86,176	4.510%	No	86,176
189	FY 2049 Subtotal:		-	-	-	230,147	227,709	-	-	141,533
190	GRAND TOTAL:		-	-	-	10,007,129	7,715,021	-	-	5,415,684

Table 13-5: Summary of Interest (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
1	Appropriation	Bonneville Power Administration	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	
2			18,641	14,540	14,257	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-	
3		Bonneville Power Administration Subtotal:	18,641	14,540	14,257	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	18,641	14,540	14,257	7,145	3,566	2,357	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	Treasury	Construction	85,724	108,349	133,869	161,589	171,019	180,817	189,597	190,750	192,670	193,207	194,321	195,935	197,425	198,610	199,655	201,227	202,487	204,288	206,391	
6		Environment	1,102	1,233	1,441	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,609	1,181	1,181	719	437	237	-	
7		(Less Interest Income)	(1,333)	(1,265)	(1,688)	(1,480)	(1,344)	(1,456)	(3,186)	(3,024)	(3,014)	(3,022)	(3,020)	(3,071)	(3,240)	(3,238)	(3,235)	(3,231)	(3,228)	(3,223)	(3,173)	
8		Coupon Scale Down Premiums	-	-	-	-	-	1,373	1,916	930	1,615	3,513	6,432	6,360	4,754	6,625	7,370	8,186	6,475	6,663	8,062	
9		BPA Borrowing Subtotal:	85,492	108,317	133,622	161,717	171,284	182,342	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280	
10		Treasury Subtotal:	85,492	108,317	133,622	161,717	171,284	182,342	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280	
11	GRAND TOTAL:		104,133	122,858	147,879	168,862	174,850	184,699	189,936	190,266	192,880	195,306	199,342	200,833	200,548	203,178	204,971	206,902	206,171	207,965	211,280	

Table 13-5: Summary of Interest (\$000s) (FY 2015)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO		
1	Appropriation	Bonneville Power Administration	<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	<u>2044</u>	<u>2045</u>	<u>2046</u>	<u>2047</u>	<u>2048</u>	<u>2049</u>	<u>2050</u>	Total		
2			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,506	
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,506
4		Appropriation Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60,506
5	Treasury	Construction	208,446	211,445	218,931	223,761	227,888	232,658	245,109	256,435	264,007	272,526	284,171	298,562	309,882	318,626	326,373	334,712	343,663	353,217	363,376		8,701,719	
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23,616
7		(Less Interest Income)	(3,153)	(2,302)	(2,880)	(3,159)	(3,146)	(1,719)	(1,983)	(2,945)	(2,886)	(2,247)	(1,749)	(2,565)	(3,087)	(3,196)	(3,161)	(3,123)	(3,082)	(3,038)	(2,991)		(101,882)	
8		Coupon Scale Down Premiums	4,510	3,343	3,917	299	1,877	326	789	723	393	320	60	-	-	3,354	3,136	2,890	2,677	2,453	2,150		103,493	
9		BPA Borrowing Subtotal:	209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535		8,726,945	
10	Treasury Subtotal:	209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535		8,726,945		
11	GRAND TOTAL:		209,803	212,486	219,968	220,902	226,619	231,266	243,916	254,213	261,514	270,598	282,482	295,997	306,795	318,783	326,348	334,480	343,258	352,632	362,535		8,787,451	

Table 13-6: Interest Calculation Summary (\$000s) (FY 2015)

	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>
	<u>FISCAL YEAR</u>	<u>PROJECT</u>	<u>TYPE</u>	<u>PRINCIPAL</u>	<u>RATE</u>	<u>INTEREST</u>	<u>PREMIUM</u>	<u>TOTAL</u>
1	2013	Bonneville Power Administration	Historical	257,352	7.243%	18,641	-	18,641
2	2013	Construction	Historical	1,927,890	4.074%	78,544	-	78,544
3	2013	Construction	New	361,396	1.987%	7,180	-	7,180
4	2013	Environment	Historical	23,000	3.867%	889	-	889
5	2013	Environment	New	5,540	3.836%	213	-	213
6	2013	Float	Historical	-	-	(1,333)	-	(1,333)
7	FY 2013 Subtotal:			2,575,178		104,133	-	104,133
8	2014	Bonneville Power Administration	Historical	200,978	7.235%	14,540	-	14,540
9	2014	Construction	Historical	2,369,266	4.132%	97,901	-	97,901
10	2014	Construction	New	547,950	1.907%	10,448	-	10,448
11	2014	Environment	Historical	29,050	4.034%	1,172	-	1,172
12	2014	Environment	New	3,460	1.766%	61	-	61
13	2014	Float	Historical	-	-	(1,265)	-	(1,265)
14	FY 2014 Subtotal:			3,150,704		122,858	-	122,858
15	2015	Bonneville Power Administration	Historical	197,077	7.234%	14,257	-	14,257
16	2015	Construction	Historical	2,938,646	4.165%	122,399	-	122,399
17	2015	Construction	New	528,000	2.172%	11,470	-	11,470
18	2015	Environment	Historical	34,430	3.985%	1,372	-	1,372
19	2015	Environment	New	3,460	1.993%	69	-	69
20	2015	Float	Historical	-	-	(1,688)	-	(1,688)
21	FY 2015 Subtotal:			3,701,613		147,879	-	147,879
22	2016	Bonneville Power Administration	Historical	98,958	7.220%	7,145	-	7,145
23	2016	Construction	Historical	3,557,916	4.407%	156,794	-	156,794
24	2016	Construction	New	189,512	2.530%	4,795	-	4,795
25	2016	Environment	Historical	39,810	4.041%	1,609	-	1,609
26	2016	Float	Historical	-	-	(1,480)	-	(1,480)
27	FY 2016 Subtotal:			3,886,196		168,862	-	168,862
28	2017	Bonneville Power Administration	Historical	49,456	7.211%	3,566	-	3,566
29	2017	Construction	Historical	3,727,928	4.454%	166,037	-	166,037
30	2017	Construction	New	196,922	2.530%	4,982	-	4,982
31	2017	Environment	Historical	39,810	4.041%	1,609	-	1,609
32	2017	Float	Historical	-	-	(1,344)	-	(1,344)
33	FY 2017 Subtotal:			4,014,116		174,850	-	174,850
34	2018	Bonneville Power Administration	Historical	32,685	7.210%	2,357	-	2,357
35	2018	Construction	Historical	3,888,450	4.518%	175,666	1,373	177,039
36	2018	Construction	New	203,574	2.530%	5,150	-	5,150
37	2018	Environment	Historical	39,810	4.041%	1,609	-	1,609
38	2018	Float	Historical	-	-	(1,456)	-	(1,456)
39	FY 2018 Subtotal:			4,164,519		183,325	1,373	184,699
40	2019	Construction	Historical	4,064,560	4.535%	184,319	1,916	186,235
41	2019	Construction	New	208,629	2.530%	5,278	-	5,278
42	2019	Environment	Historical	39,810	4.041%	1,609	-	1,609
43	2019	Float	Historical	-	-	(3,186)	-	(3,186)
44	FY 2019 Subtotal:			4,312,999		188,020	1,916	189,936
45	2020	Construction	Historical	4,029,877	4.598%	185,299	930	186,229
46	2020	Construction	New	215,471	2.530%	5,451	-	5,451
47	2020	Environment	Historical	39,810	4.041%	1,609	-	1,609
48	2020	Float	Historical	-	-	(3,024)	-	(3,024)
49	FY 2020 Subtotal:			4,285,158		189,335	930	190,266
50	2021	Construction	Historical	4,019,131	4.654%	187,068	1,615	188,683
51	2021	Construction	New	221,414	2.530%	5,602	-	5,602
52	2021	Environment	Historical	39,810	4.041%	1,609	-	1,609
53	2021	Float	Historical	-	-	(3,014)	-	(3,014)
54	FY 2021 Subtotal:			4,280,355		191,265	1,615	192,880
55	2022	Construction	Historical	4,017,062	4.667%	187,469	3,513	190,982
56	2022	Construction	New	226,804	2.530%	5,738	-	5,738
57	2022	Environment	Historical	39,810	4.041%	1,609	-	1,609
58	2022	Float	Historical	-	-	(3,022)	-	(3,022)
59	FY 2022 Subtotal:			4,283,676		191,793	3,513	195,306
60	2023	Construction	Historical	4,021,662	4.686%	188,445	6,432	194,877
61	2023	Construction	New	232,252	2.530%	5,876	-	5,876
62	2023	Environment	Historical	39,810	4.041%	1,609	-	1,609
63	2023	Float	Historical	-	-	(3,020)	-	(3,020)
64	FY 2023 Subtotal:			4,293,724		192,909	6,432	199,342

Table 13-6: Interest Calculation Summary (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H
	<u>FISCAL YEAR</u>	<u>PROJECT</u>	<u>TYPE</u>	<u>PRINCIPAL</u>	<u>RATE</u>	<u>INTEREST</u>	<u>PREMIUM</u>	<u>TOTAL</u>
65	2024	Construction	Historical	4,035,501	4.707%	189,948	6,360	196,308
66	2024	Construction	New	236,640	2.530%	5,987	-	5,987
67	2024	Environment	Historical	39,810	4.041%	1,609	-	1,609
68	2024	Float	Historical	-	-	(3,071)	-	(3,071)
69	FY 2024	Subtotal:		4,311,951		194,472	6,360	200,833
70	2025	Construction	Historical	4,048,986	4.725%	191,324	4,754	196,078
71	2025	Construction	New	241,160	2.530%	6,101	-	6,101
72	2025	Environment	Historical	39,810	4.041%	1,609	-	1,609
73	2025	Float	Historical	-	-	(3,240)	-	(3,240)
74	FY 2025	Subtotal:		4,329,956		195,794	4,754	200,548
75	2026	Construction	Historical	4,058,033	4.742%	192,418	6,625	199,044
76	2026	Construction	New	244,724	2.530%	6,192	-	6,192
77	2026	Environment	Historical	29,810	3.961%	1,181	-	1,181
78	2026	Float	Historical	-	-	(3,238)	-	(3,238)
79	FY 2026	Subtotal:		4,332,567		196,553	6,625	203,178
80	2027	Construction	Historical	4,063,135	4.759%	193,358	7,370	200,728
81	2027	Construction	New	248,878	2.530%	6,297	-	6,297
82	2027	Environment	Historical	29,810	3.961%	1,181	-	1,181
83	2027	Float	Historical	-	-	(3,235)	-	(3,235)
84	FY 2027	Subtotal:		4,341,823		197,601	7,370	204,971
85	2028	Construction	Historical	4,087,043	4.767%	194,825	8,186	203,011
86	2028	Construction	New	253,053	2.530%	6,402	-	6,402
87	2028	Environment	Historical	16,810	4.278%	719	-	719
88	2028	Float	Historical	-	-	(3,231)	-	(3,231)
89	FY 2028	Subtotal:		4,356,906		198,716	8,186	206,902
90	2029	Construction	Historical	4,109,991	4.769%	195,986	6,475	202,461
91	2029	Construction	New	256,959	2.530%	6,501	-	6,501
92	2029	Environment	Historical	10,760	4.058%	437	-	437
93	2029	Float	Historical	-	-	(3,228)	-	(3,228)
94	FY 2029	Subtotal:		4,377,710		199,695	6,475	206,171
95	2030	Construction	Historical	4,135,240	4.780%	197,674	6,663	204,337
96	2030	Construction	New	261,392	2.530%	6,613	-	6,613
97	2030	Environment	Historical	5,380	4.400%	237	-	237
98	2030	Float	Historical	-	-	(3,223)	-	(3,223)
99	FY 2030	Subtotal:		4,402,012		201,302	6,663	207,965
100	2031	Construction	Historical	4,166,546	4.792%	199,663	8,062	207,725
101	2031	Construction	New	265,934	2.530%	6,728	-	6,728
102	2031	Float	Historical	-	-	(3,173)	-	(3,173)
103	FY 2031	Subtotal:		4,432,480		203,218	8,062	211,280
104	2032	Construction	Historical	4,204,702	4.794%	201,593	4,510	206,103
105	2032	Construction	New	270,853	2.530%	6,853	-	6,853
106	2032	Float	Historical	-	-	(3,153)	-	(3,153)
107	FY 2032	Subtotal:		4,475,555		205,293	4,510	209,803
108	2033	Construction	Historical	4,247,409	4.814%	204,452	3,343	207,795
109	2033	Construction	New	276,407	2.530%	6,993	-	6,993
110	2033	Float	Historical	-	-	(2,302)	-	(2,302)
111	FY 2033	Subtotal:		4,523,816		209,143	3,343	212,486
112	2034	Construction	Historical	4,387,454	4.828%	211,808	3,917	215,724
113	2034	Construction	New	281,566	2.530%	7,124	-	7,124
114	2034	Float	Historical	-	-	(2,880)	-	(2,880)
115	FY 2034	Subtotal:		4,669,020		216,051	3,917	219,968
116	2035	Construction	Historical	4,474,911	4.839%	216,535	299	216,834
117	2035	Construction	New	285,629	2.530%	7,226	-	7,226
118	2035	Float	Historical	-	-	(3,159)	-	(3,159)
119	FY 2035	Subtotal:		4,760,540		220,603	299	220,902
120	2036	Construction	Historical	4,535,343	4.863%	220,541	1,877	222,418
121	2036	Construction	New	290,425	2.530%	7,348	-	7,348
122	2036	Float	Historical	-	-	(3,146)	-	(3,146)
123	FY 2036	Subtotal:		4,825,768		224,742	1,877	226,619
124	2037	Construction	Historical	4,605,567	4.889%	225,178	326	225,504
125	2037	Construction	New	295,659	2.530%	7,480	-	7,480
126	2037	Float	Historical	-	-	(1,719)	-	(1,719)
127	FY 2037	Subtotal:		4,901,226		230,940	326	231,266
128	2038	Construction	Historical	4,835,169	4.912%	237,515	789	238,304
129	2038	Construction	New	300,168	2.530%	7,594	-	7,594
130	2038	Float	Historical	-	-	(1,983)	-	(1,983)
131	FY 2038	Subtotal:		5,135,337		243,127	789	243,916

Table 13-6: Interest Calculation Summary (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H
	FISCAL YEAR	PROJECT	TYPE	PRINCIPAL	RATE	INTEREST	PREMIUM	TOTAL
132	2039	Construction	Historical	5,047,674	4.928%	248,759	723	249,481
133	2039	Construction	New	303,420	2.530%	7,677	-	7,677
134	2039	Float	Historical	-	-	(2,945)	-	(2,945)
135	FY 2039 Subtotal:			5,351,094		253,491	723	254,213
136	2040	Construction	Historical	5,165,752	4.960%	256,214	393	256,607
137	2040	Construction	New	308,011	2.530%	7,793	-	7,793
138	2040	Float	Historical	-	-	(2,886)	-	(2,886)
139	FY 2040 Subtotal:			5,473,763		261,121	393	261,514
140	2041	Construction	Historical	5,298,239	4.994%	264,605	320	264,925
141	2041	Construction	New	313,067	2.530%	7,921	-	7,921
142	2041	Float	Historical	-	-	(2,247)	-	(2,247)
143	FY 2041 Subtotal:			5,611,306		270,278	320	270,598
144	2042	Construction	Historical	5,508,540	5.013%	276,144	60	276,204
145	2042	Construction	New	317,258	2.530%	8,027	-	8,027
146	2042	Float	Historical	-	-	(1,749)	-	(1,749)
147	FY 2042 Subtotal:			5,825,798		282,422	60	282,482
148	2043	Construction	Historical	5,782,152	5.022%	290,408	-	290,408
149	2043	Construction	New	322,295	2.530%	8,154	-	8,154
150	2043	Float	Historical	-	-	(2,565)	-	(2,565)
151	FY 2043 Subtotal:			6,104,447		295,997	-	295,997
152	2044	Construction	Historical	5,980,300	5.044%	301,626	-	301,626
153	2044	Construction	New	326,338	2.530%	8,256	-	8,256
154	2044	Float	Historical	-	-	(3,087)	-	(3,087)
155	FY 2044 Subtotal:			6,306,638		306,795	-	306,795
156	2045	Construction	Historical	6,132,147	5.060%	310,287	3,354	313,640
157	2045	Construction	New	329,605	2.530%	8,339	-	8,339
158	2045	Float	Historical	-	-	(3,196)	-	(3,196)
159	FY 2045 Subtotal:			6,461,752		315,430	3,354	318,783
160	2046	Construction	Historical	6,283,310	5.060%	317,935	3,136	321,071
161	2046	Construction	New	333,499	2.530%	8,438	-	8,438
162	2046	Float	Historical	-	-	(3,161)	-	(3,161)
163	FY 2046 Subtotal:			6,616,809		323,212	3,136	326,348
164	2047	Construction	Historical	6,445,818	5.060%	326,158	2,890	329,049
165	2047	Construction	New	338,102	2.530%	8,554	-	8,554
166	2047	Float	Historical	-	-	(3,123)	-	(3,123)
167	FY 2047 Subtotal:			6,783,920		331,589	2,890	334,480
168	2048	Construction	Historical	6,620,936	5.060%	335,019	2,677	337,696
169	2048	Construction	New	341,663	2.530%	8,644	-	8,644
170	2048	Float	Historical	-	-	(3,082)	-	(3,082)
171	FY 2048 Subtotal:			6,962,599		340,581	2,677	343,258
172	2049	Construction	Historical	6,808,297	5.060%	344,500	2,453	346,953
173	2049	Construction	New	344,541	2.530%	8,717	-	8,717
174	2049	Float	Historical	-	-	(3,038)	-	(3,038)
175	FY 2049 Subtotal:			7,152,838		350,178	2,453	352,632
176	2050	Construction	Historical	7,007,823	5.060%	354,596	2,150	356,746
177	2050	Construction	New	347,044	2.530%	8,780	-	8,780
178	2050	Float	Historical	-	-	(2,991)	-	(2,991)
179	FY 2050 Subtotal:			7,354,867		360,385	2,150	362,535
Grand Total:				187,130,736		8,683,958	103,493	8,787,451

Table 13-7: Summary of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1			<u>2013</u>	<u>2014</u>	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>	<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>	<u>2030</u>	<u>2031</u>
2	Appropriation	Bonneville Power Administration	56,374	3,901	98,119	49,502	16,771	32,685	-	-	-	-	-	-	-	-	-	-	-	-	-
3		Bonneville Power Administration Subtotal:	56,374	3,901	98,119	49,502	16,771	32,685	-	-	-	-	-	-	-	-	-	-	-	-	-
4		Appropriation Subtotal:	56,374	3,901	98,119	49,502	16,771	32,685	0	0	0	0	0	0	0	0	0	0	0	0	0
5	Treasury	Construction	-	73,050	-	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	232,113	239,622	224,970	230,105	231,711	230,086	227,779
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	10,000	-	13,000	6,050	5,380	5,380	-
7		BPA Borrowing Subtotal:	-	73,050	-	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779
8		Discounts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Premiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10		Make Whole Call Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11		Treasury Subtotal:	0	73,050	0	19,500	36,400	27,464	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779
12	GRAND TOTAL:		56,374	76,951	98,119	69,002	53,171	60,149	243,312	226,217	223,483	222,204	218,412	223,155	242,113	239,622	237,970	236,155	237,091	235,466	227,779

Table 13-7: Summary of Amortization (\$000s) (FY 2015)

	A	B	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AI	AJ	AK	AL	AM	AN	AO		
1	Appropriation		<u>2032</u>	<u>2033</u>	<u>2034</u>	<u>2035</u>	<u>2036</u>	<u>2037</u>	<u>2038</u>	<u>2039</u>	<u>2040</u>	<u>2041</u>	<u>2042</u>	<u>2043</u>	<u>2044</u>	<u>2045</u>	<u>2046</u>	<u>2047</u>	<u>2048</u>	<u>2049</u>	<u>2050</u>	TOTAL		
2		Bonneville Power Administration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352	
3		Bonneville Power Administration Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	257,352
4		Appropriation Subtotal:	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	257,352
5	Treasury	Construction	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,040,150	
6		Environment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39,810
7		BPA Borrowing Subtotal:	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,079,960	
8		Discounts	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9		Premiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10		Make Whole Call Subtotal:	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11		Treasury Subtotal:	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,079,960	
12	GRAND TOTAL:	228,146	136,362	194,109	225,197	220,200	66,057	87,663	185,342	175,525	102,766	43,646	124,147	174,491	178,442	170,991	162,984	154,302	145,014	135,183		6,337,312		

Table 13-8: Application of Amortization (\$000s) (FY 2015)

A	B	C	D	E	F	G	H	I	J	
YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED	
1	FY 2013	Bonneville Power Administration	BPA	1973	2018	21,656	5,041	7.280%	No	5,041
2	FY 2013	Bonneville Power Administration	BPA	1973	2018	33,788	15,769	7.280%	No	15,769
3	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,079	12,079	7.270%	No	5,191
4	FY 2013	Bonneville Power Administration	BPA	1974	2019	12,563	12,563	7.270%	No	12,563
5	FY 2013	Bonneville Power Administration	BPA	1974	2019	20,984	17,810	7.270%	No	17,810
6	FY 2013 Subtotal:		-	-	-	101,070	63,262	-	-	56,374
7	FY 2014	Construction	-	1999	2014	59,050	59,050	5.900%	No	59,050
8	FY 2014	Construction	-	2009	2014	14,000	14,000	2.746%	No	14,000
9	FY 2014	Bonneville Power Administration	BPA	1974	2019	12,079	6,888	7.270%	No	3,901
10	FY 2014 Subtotal:		-	-	-	85,129	79,938	-	-	76,951
11	FY 2015	Bonneville Power Administration	BPA	1974	2019	12,079	2,987	7.270%	No	2,987
12	FY 2015	Bonneville Power Administration	BPA	1975	2020	11,742	11,742	7.250%	No	11,742
13	FY 2015	Bonneville Power Administration	BPA	1975	2020	17,158	17,158	7.250%	No	17,158
14	FY 2015	Bonneville Power Administration	BPA	1975	2020	21,916	21,916	7.250%	No	21,916
15	FY 2015	Bonneville Power Administration	BPA	1975	2020	32,026	32,026	7.250%	No	32,026
16	FY 2015	Bonneville Power Administration	BPA	1976	2021	2,212	2,212	7.230%	No	2,212
17	FY 2015	Bonneville Power Administration	BPA	1976	2021	61,025	61,025	7.230%	No	10,078
18	FY 2015 Subtotal:		-	-	-	158,158	149,066	-	-	98,119
19	FY 2016	Construction	-	2011	2016	13,000	13,000	1.957%	No	13,000
20	FY 2016	Construction	-	2011	2016	6,500	6,500	1.423%	No	6,500
21	FY 2016	Bonneville Power Administration	BPA	1976	2021	61,025	50,947	7.230%	No	49,502
22	FY 2016 Subtotal:		-	-	-	80,525	70,447	-	-	69,002
23	FY 2017	Construction	-	2012	2017	36,400	36,400	0.920%	No	36,400
24	FY 2017	Bonneville Power Administration	BPA	1976	2021	61,025	1,445	7.230%	No	1,445
25	FY 2017	Bonneville Power Administration	BPA	1977	2022	4,981	4,981	7.210%	No	4,981
26	FY 2017	Bonneville Power Administration	BPA	1977	2022	33,702	33,702	7.210%	No	10,345
27	FY 2017 Subtotal:		-	-	-	136,108	76,528	-	-	53,171
28	FY 2018	Bonneville Power Administration	BPA	1977	2022	3,948	3,948	7.210%	No	3,948
29	FY 2018	Bonneville Power Administration	BPA	1977	2022	5,380	5,380	7.210%	No	5,380
30	FY 2018	Bonneville Power Administration	BPA	1977	2022	33,702	23,357	7.210%	No	23,357
31	FY 2018	Construction	-	2013	2043	15,000	15,000	6.000%	No	9,464
32	FY 2018	Construction	-	2013	2043	18,000	18,000	6.000%	No	18,000
33	FY 2018 Subtotal:		-	-	-	76,030	65,685	-	-	60,149
34	FY 2019	Construction	-	2009	2019	46,940	46,940	4.026%	No	46,940
35	FY 2019	Construction	-	2009	2019	35,000	35,000	3.699%	No	35,000
36	FY 2019	Construction	-	2010	2019	13,000	13,000	4.069%	No	13,000
37	FY 2019	Construction	-	2010	2019	23,000	23,000	3.719%	No	23,000
38	FY 2019	Construction	-	2010	2019	30,000	30,000	3.714%	No	30,000
39	FY 2019	Construction	-	2010	2019	15,000	15,000	3.533%	No	15,000
40	FY 2019	Construction	-	2013	2019	10,500	10,500	1.800%	No	10,500
41	FY 2019	Construction	-	2013	2019	12,180	13,650	1.800%	No	13,650
42	FY 2019	Construction	-	2013	2019	8,700	8,700	1.100%	No	8,700
43	FY 2019	Construction	-	1998	2028	112,300	112,300	5.850%	No	11,986
44	FY 2019	Construction	-	2013	2043	15,000	5,536	6.000%	No	5,536
45	FY 2019	Construction	-	2013	2043	30,000	30,000	6.000%	No	30,000
46	FY 2019 Subtotal:		-	-	-	351,620	343,626	-	-	243,312
47	FY 2020	Construction	-	2009	2020	50,000	50,000	3.830%	No	50,000
48	FY 2020	Construction	-	2010	2020	43,000	43,000	3.842%	No	43,000
49	FY 2020	Construction	-	2010	2020	50,000	50,000	3.118%	No	50,000
50	FY 2020	Construction	-	2014	2020	5,260	5,260	2.200%	No	5,260
51	FY 2020	Construction	-	2014	2020	5,640	5,640	2.200%	No	5,640
52	FY 2020	Construction	-	2014	2020	6,140	6,140	2.200%	No	6,140
53	FY 2020	Construction	-	2014	2020	6,540	6,540	2.200%	No	6,540
54	FY 2020	Construction	-	1998	2028	112,300	100,314	5.850%	No	59,637
55	FY 2020 Subtotal:		-	-	-	278,880	266,894	-	-	226,217

Table 13-8: Application of Amortization (\$000s) (FY 2015)

A	B	C	D	E	F	G	H	I	J	
YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED	
56	FY 2021	Construction	-	2010	2021	15,000	15,000	4.188%	No	15,000
57	FY 2021	Construction	-	2010	2021	22,000	22,000	4.094%	No	22,000
58	FY 2021	Construction	-	2010	2021	22,000	22,000	3.694%	No	22,000
59	FY 2021	Construction	-	2010	2021	22,000	22,000	3.374%	No	22,000
60	FY 2021	Construction	-	2015	2021	5,390	5,390	3.300%	No	5,390
61	FY 2021	Construction	-	2015	2021	5,780	5,780	3.300%	No	5,780
62	FY 2021	Construction	-	2015	2021	6,290	6,290	3.300%	No	6,290
63	FY 2021	Construction	-	2015	2021	6,700	6,700	3.300%	No	6,700
64	FY 2021	Construction	-	1998	2028	112,300	40,677	5.850%	No	40,677
65	FY 2021	Construction	-	1998	2028	106,500	106,500	5.850%	No	77,646
66	FY 2021 Subtotal:		-	-	-	323,960	252,337	-	-	223,483
67	FY 2022	Construction	-	2009	2022	35,000	35,000	4.253%	No	35,000
68	FY 2022	Construction	-	2009	2022	20,000	20,000	4.200%	No	20,000
69	FY 2022	Construction	-	2010	2022	30,000	30,000	3.372%	No	30,000
70	FY 2022	Construction	-	2010	2022	20,000	20,000	3.029%	No	20,000
71	FY 2022	Construction	-	1998	2028	106,500	28,854	5.850%	No	28,854
72	FY 2022	Construction	-	2009	2039	35,000	35,000	5.192%	No	33,350
73	FY 2022	Construction	-	2013	2043	55,000	55,000	5.700%	No	55,000
74	FY 2022 Subtotal:		-	-	-	301,500	223,854	-	-	222,204
75	FY 2023	Construction	-	2010	2023	46,000	46,000	3.161%	No	46,000
76	FY 2023	Construction	-	2009	2039	35,000	1,650	5.192%	No	1,650
77	FY 2023	Construction	-	2015	2045	51,130	51,130	5.100%	No	9,493
78	FY 2023	Construction	-	2015	2045	76,700	76,700	5.100%	No	76,700
79	FY 2023	Construction	-	2015	2045	84,570	84,570	5.100%	No	84,570
80	FY 2023 Subtotal:		-	-	-	293,400	260,050	-	-	218,412
81	FY 2024	Construction	-	2012	2024	45,000	45,000	3.360%	No	45,000
82	FY 2024	Construction	-	2015	2045	51,130	41,637	5.100%	No	41,637
83	FY 2024	Construction	-	2015	2045	50,940	50,940	5.100%	No	50,940
84	FY 2024	Construction	-	2015	2045	53,690	53,690	5.100%	No	31,888
85	FY 2024	Construction	-	2015	2045	53,690	53,690	5.100%	No	53,690
86	FY 2024 Subtotal:		-	-	-	254,450	244,957	-	-	223,155
87	FY 2025	Construction	-	2010	2025	15,000	15,000	4.310%	Yes	15,000
88	FY 2025	Construction	-	2012	2025	14,300	14,300	4.310%	Yes	14,300
89	FY 2025	Construction	-	2012	2025	26,000	26,000	4.310%	Yes	26,000
90	FY 2025	Construction	-	2012	2025	37,000	37,000	4.310%	Yes	37,000
91	FY 2025	Environment	-	2010	2025	10,000	10,000	4.279%	No	10,000
92	FY 2025	Construction	-	2015	2045	53,690	21,802	5.100%	No	21,802
93	FY 2025	Construction	-	2015	2045	44,050	44,050	5.100%	No	44,050
94	FY 2025	Construction	-	2015	2045	46,610	46,610	5.100%	No	26,171
95	FY 2025	Construction	-	2015	2045	47,790	47,790	5.100%	No	47,790
96	FY 2025 Subtotal:		-	-	-	294,440	262,552	-	-	242,113
97	FY 2026	Construction	-	2011	2026	45,000	45,000	3.450%	No	45,000
98	FY 2026	Construction	-	2015	2045	19,270	19,270	5.100%	No	19,270
99	FY 2026	Construction	-	2015	2045	46,610	20,439	5.100%	No	20,439
100	FY 2026	Construction	-	2015	2045	27,530	27,530	5.100%	No	27,530
101	FY 2026	Construction	-	2015	2045	39,140	39,140	5.100%	No	39,140
102	FY 2026	Construction	-	2016	2051	189,512	189,512	5.060%	No	88,243
103	FY 2026 Subtotal:		-	-	-	367,062	340,891	-	-	239,622
104	FY 2027	Construction	-	2012	2027	17,000	17,000	3.550%	No	17,000
105	FY 2027	Environment	-	2012	2027	13,000	13,000	3.550%	No	13,000
106	FY 2027	Construction	-	2016	2051	189,512	101,269	5.060%	No	101,269
107	FY 2027	Construction	-	2017	2052	196,922	196,922	5.060%	No	106,701
108	FY 2027 Subtotal:		-	-	-	416,434	328,191	-	-	237,970
109	FY 2028	Environment	-	2013	2028	5,000	5,000	5.000%	No	5,000
110	FY 2028	Environment	-	2013	2028	510	510	3.100%	No	510
111	FY 2028	Environment	-	2013	2028	540	540	3.100%	No	540
112	FY 2028	Construction	-	2017	2052	196,922	90,221	5.060%	No	90,221
113	FY 2028	Construction	-	2018	2053	203,574	203,574	5.060%	No	139,884
114	FY 2028 Subtotal:		-	-	-	406,546	299,845	-	-	236,155

Table 13-8: Application of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J
	YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED
115	FY 2029	Construction	-	2011	2029	50,000	50,000	4.238%	No	50,000
116	FY 2029	Environment	-	2014	2029	780	780	4.400%	No	780
117	FY 2029	Environment	-	2014	2029	1,250	1,250	3.600%	No	1,250
118	FY 2029	Environment	-	2014	2029	1,430	1,430	3.600%	No	1,430
119	FY 2029	Environment	-	2014	2029	1,920	1,920	3.600%	No	1,920
120	FY 2029	Construction	-	2018	2053	203,574	63,690	5.060%	No	63,690
121	FY 2029	Construction	-	2019	2054	208,629	208,629	5.060%	No	118,020
122		FY 2029 Subtotal:	-	-	-	467,583	327,699	-	-	237,091
123	FY 2030	Construction	-	2013	2030	42,110	42,110	4.100%	No	42,110
124	FY 2030	Environment	-	2015	2030	780	780	4.400%	No	780
125	FY 2030	Environment	-	2015	2030	1,250	1,250	4.400%	No	1,250
126	FY 2030	Environment	-	2015	2030	1,430	1,430	4.400%	No	1,430
127	FY 2030	Environment	-	2015	2030	1,920	1,920	4.400%	No	1,920
128	FY 2030	Construction	-	2019	2054	208,629	90,609	5.060%	No	90,609
129	FY 2030	Construction	-	2020	2055	215,471	215,471	5.060%	No	97,367
130		FY 2030 Subtotal:	-	-	-	471,590	353,570	-	-	235,466
131	FY 2031	Construction	-	2020	2055	215,471	118,104	5.060%	No	118,104
132	FY 2031	Construction	-	2021	2056	221,414	221,414	5.060%	No	109,674
133		FY 2031 Subtotal:	-	-	-	436,885	339,518	-	-	227,779
134	FY 2032	Construction	-	2011	2032	98,900	98,900	4.355%	No	98,900
135	FY 2032	Construction	-	2021	2056	221,414	111,740	5.060%	No	111,740
136	FY 2032	Construction	-	2022	2057	226,804	226,804	5.060%	No	17,506
137		FY 2032 Subtotal:	-	-	-	547,118	437,444	-	-	228,146
138	FY 2033	Construction	-	2011	2033	40,000	40,000	4.386%	No	40,000
139	FY 2033	Construction	-	2022	2057	226,804	209,298	5.060%	No	96,362
140		FY 2033 Subtotal:	-	-	-	266,804	249,298	-	-	136,362
141	FY 2034	Construction	-	2011	2034	40,000	40,000	4.416%	No	40,000
142	FY 2034	Construction	-	2011	2036	50,000	50,000	4.952%	No	41,232
143	FY 2034	Construction	-	2022	2057	226,804	112,936	5.060%	No	112,877
144		FY 2034 Subtotal:	-	-	-	316,804	202,936	-	-	194,109
145	FY 2035	Construction	-	2011	2035	40,000	40,000	4.794%	No	40,000
146	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
147	FY 2035	Construction	-	2011	2035	40,000	40,000	4.446%	No	40,000
148	FY 2035	Construction	-	2011	2035	45,000	45,000	4.446%	No	45,000
149	FY 2035	Construction	-	2011	2036	50,000	8,768	4.952%	No	8,768
150	FY 2035	Construction	-	2011	2038	55,000	55,000	4.935%	No	51,429
151		FY 2035 Subtotal:	-	-	-	270,000	228,768	-	-	225,197
152	FY 2036	Construction	-	2011	2036	50,000	50,000	4.629%	No	50,000
153	FY 2036	Construction	-	2011	2038	55,000	3,571	4.935%	No	3,571
154	FY 2036	Construction	-	2011	2040	25,000	25,000	4.775%	No	25,000
155	FY 2036	Construction	-	2014	2044	79,760	79,760	4.500%	No	53,689
156	FY 2036	Construction	-	2014	2044	87,940	87,940	4.500%	No	87,940
157		FY 2036 Subtotal:	-	-	-	297,700	246,271	-	-	220,200
158	FY 2037	Construction	-	2012	2037	35,000	35,000	3.503%	No	35,000
159	FY 2037	Construction	-	2014	2044	79,760	26,071	4.500%	No	26,071
160	FY 2037	Construction	-	2014	2044	53,170	53,170	4.500%	No	4,986
161		FY 2037 Subtotal:	-	-	-	167,930	114,241	-	-	66,057
162	FY 2038	Construction	-	2014	2044	53,170	48,184	4.500%	No	48,184
163	FY 2038	Construction	-	2014	2044	55,830	55,830	4.500%	No	39,479
164		FY 2038 Subtotal:	-	-	-	109,000	104,014	-	-	87,663
165	FY 2039	Construction	-	2011	2039	50,000	50,000	4.295%	No	50,000
166	FY 2039	Construction	-	2012	2039	39,000	39,000	3.627%	No	39,000
167	FY 2039	Construction	-	2014	2044	55,830	16,351	4.500%	No	16,351
168	FY 2039	Construction	-	2014	2044	52,970	52,970	4.500%	No	52,970
169	FY 2039	Construction	-	2014	2044	55,830	55,830	4.500%	No	27,021
170		FY 2039 Subtotal:	-	-	-	253,630	214,151	-	-	185,342

Table 13-8: Application of Amortization (\$000s) (FY 2015)

	A	B	C	D	E	F	G	H	I	J
	YEAR	PROJECT	APPROPRIATION TYPE	IN SERVICE	DATE	PRINCIPAL	BALANCE	RATE	ROLLOVER	AMOUNT AMORTIZED
171	FY 2040	Construction	-	2011	2040	35,000	35,000	3.796%	No	35,000
172	FY 2040	Construction	-	2012	2040	30,000	30,000	3.890%	No	30,000
173	FY 2040	Construction	-	2012	2040	45,000	45,000	3.890%	No	45,000
174	FY 2040	Construction	-	2014	2044	55,830	28,809	4.500%	No	28,809
175	FY 2040	Construction	-	2014	2044	45,810	45,810	4.500%	No	36,716
176	FY 2040 Subtotal:		-	-	-	211,640	184,619	-	-	175,525
177	FY 2041	Construction	-	2013	2043	60,016	60,016	4.100%	No	14,293
178	FY 2041	Construction	-	2013	2043	66,330	66,330	4.100%	No	66,330
179	FY 2041	Construction	-	2014	2044	45,810	9,094	4.500%	No	9,094
180	FY 2041	Construction	-	2014	2044	49,700	49,700	4.500%	No	13,049
181	FY 2041 Subtotal:		-	-	-	221,856	185,140	-	-	102,766
182	FY 2042	Construction	-	2013	2043	60,016	45,723	4.100%	No	43,646
183	FY 2042 Subtotal:		-	-	-	60,016	45,723	-	-	43,646
184	FY 2043	Construction	-	2013	2043	60,016	2,077	4.100%	No	2,077
185	FY 2043	Construction	-	2013	2043	39,950	39,950	4.100%	No	39,950
186	FY 2043	Construction	-	2013	2043	40,010	40,010	4.100%	No	40,010
187	FY 2043	Construction	-	2013	2043	42,110	42,110	4.100%	No	42,110
188	FY 2043 Subtotal:		-	-	-	182,086	124,147	-	-	124,147
189	FY 2044	Construction	-	2014	2044	20,040	20,040	4.500%	No	20,040
190	FY 2044	Construction	-	2014	2044	28,630	28,630	4.500%	No	28,630
191	FY 2044	Construction	-	2014	2044	49,700	36,651	4.500%	No	36,651
192	FY 2044	Construction	-	2014	2044	40,700	40,700	4.500%	No	40,700
193	FY 2044	Construction	-	2014	2044	48,470	48,470	4.500%	No	48,470
194	FY 2044 Subtotal:		-	-	-	187,540	174,491	-	-	174,491
195	FY 2045	Construction	-	2022	2057	226,804	59	5.060%	No	59
196	FY 2045	Construction	-	2023	2058	232,252	232,252	5.060%	No	178,383
197	FY 2045 Subtotal:		-	-	-	459,056	232,311	-	-	178,442
198	FY 2046	Construction	-	2023	2058	232,252	53,869	5.060%	No	53,869
199	FY 2046	Construction	-	2024	2059	236,640	236,640	5.060%	No	117,122
200	FY 2046 Subtotal:		-	-	-	468,892	290,509	-	-	170,991
201	FY 2047	Construction	-	2024	2059	236,640	119,518	5.060%	No	119,518
202	FY 2047	Construction	-	2025	2060	241,160	241,160	5.060%	No	43,466
203	FY 2047 Subtotal:		-	-	-	477,800	360,678	-	-	162,984
204	FY 2048	Construction	-	2025	2060	241,160	197,694	5.060%	No	154,302
205	FY 2048 Subtotal:		-	-	-	241,160	197,694	-	-	154,302
206	FY 2049	Construction	-	2025	2060	241,160	43,392	5.060%	No	43,392
207	FY 2049	Construction	-	2026	2061	244,724	244,724	5.060%	No	101,623
208	FY 2049 Subtotal:		-	-	-	485,884	288,116	-	-	145,014
209	FY 2050	Construction	-	2026	2061	244,724	143,101	5.060%	No	135,183
210	FY 2050 Subtotal:		-	-	-	244,724	143,101	-	-	135,183
211	FY 2050 Subtotal:		-	-	-	356,443	174,161	-	-	119,945
212	Grand Total:					10,771,010	8,372,560			6,337,312