Q. Please provide the basis and all studies, documents, data, calculations and workpapers pertaining to the calculated values shown on each of pages 1 through 3 of Mr. Banfield's Schedule III, "Comparison of Rates Schedules 2004-2008, Isolated Systems."

A. In Mr. Banfield's Evidence (1st Revision) filed August 12, 2003, the comparable information is found on "Comparison of Rates Schedules 2004-2006, Isolated Systems."

The revenue requirement for the five rate classes in Schedule II are listed in PUB-113 NLH. Revenue for each of the rate classes is forecast separately on a monthly basis for both Island and Labrador Isolated and the combined totals equal the revenue requirement. Database programs are used to determine the forecast revenues and it is an iterative process to set the final rate components.

Rate 1.2G Total Revenue Requirement $ 218,063

Calculations using the rates in Schedule II

Month	Area	Bills	Forecast MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc
01	LD	22	36	$22,297	$334	$251
02	LD	22	35	21,695	325	326
03	LD	22	30	18,690	280	214
04	LD	22	30	18,690	280	32
05	LD	22	28	17,488	262	272
06	LD	22	27	16,887	253	290
07	LD	22	23	14,482	217	228
08	LD	22	23	14,482	217	20
09	LD	22	26	16,285	244	289
10	LD	22	28	17,488	262	29
11	LD	22	32	19,892	298	283
12	LD	22	33	20,493	307	237
Total				$218,868	$3,276	$2,471

Total Revenue Calculated for 1.2G = $ 218,868 - $ 3,276 + $ 2,471

= $ 218,063

Rate 2.1D Total Revenue Requirement $ 728,635 using the rates in Schedule II

Month	Area	Forecast Bills	Forecast MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	First Blk kWh	Sec Blk kWh
01	ID	88	72	$12,910	$211	$107	38757	33243
02	ID	88	70	12,550	207	101	38273	31727
03	ID	88	67	12,039	199	106	37198	29802
04	ID	88	63	11,265	188	112	36889	26111
05	ID	88	58	10,261	173	111	36936	21064
06	ID	88	55	9,802	167	82	35230	19770
07	ID	88	55	9,757	166	71	35772	19228
08	ID	88	55	9,791	168	65	35362	19638
09	ID	88	49	8,843	156	70	32304	16696
10	ID	88	52	9,453	166	91	32189	19811
11	ID	88	57	9,976	167	84	37962	19038
12	ID	88	63	11,094	184	59	38956	24044
Total				$127,740	$2,150	$1,060		
01	LD	315	315	58,090	942	625	133619	181381
02	LD	315	329	60,789	983	575	134845	194155
03	LD	315	287	52,711	863	464	130946	156054
04	LD	315	282	51,894	852	580	128727	153273
05	LD	315	253	46,625	777	528	122295	130705
06	LD	315	238	44,303	752	505	114088	123912
07	LD	315	229	42,607	728	448	112831	116169
08	LD	315	245	45,989	783	540	110623	134377
09	LD	315	254	47,657	805	535	112226	141774
10	LD	315	248	46,701	797	513	109274	138726
11	LD	315	289	53,351	877	604	128030	160970
12	LD	315	299	54,942	895	380	132986	166014
Total	LD			$605,658	$10,054	$6,299		

Total Revenue Calculated for 2.1D for 2004 = $ 127,740 – 2,150 + 1,060 +
$ 605,658 – 10,054 + 6,299
= $ 728,554

Rate 2.1G Total Revenue Requirement $ 420,671 using the rates in Schedule II

Month	Area	Forecast Bills	Forecast MWhs	Forecast Revenue	Forecast Discounts	Forecast Forf Disc
01	ID	10	6	$3,502	$54	$13
02	ID	10	6	3,502	54	31
03	ID	10	6	3,502	54	31
04	ID	10	5	2,975	46	27
05	ID	10	5	2,975	46	24
06	ID	10	5	2,975	46	24
07	ID	10	5	2,975	46	22
08	ID	10	5	2,975	46	30
09	ID	10	4	2,448	38	26
10	ID	10	4	2,448	38	9
11	ID	10	5	2,975	46	14
12	ID	10	4	2,448	38	7
Total	ID			$35,701	$552	$258
01	LD	44	68	37,323	561	206
02	LD	44	71	38,904	585	232
03	LD	44	62	34,162	514	163
04	LD	44	60	33,109	498	175
05	LD	44	54	29,948	451	225
06	LD	44	51	28,368	426	223
07	LD	44	49	27,314	410	117
08	LD	44	53	29,421	442	102
09	LD	44	55	30,475	457	220
10	LD	44	53	29,421	442	198
11	LD	44	62	34,162	513	155
12	LD	44	66	36,270	544	162
Total	LD			$388,877	$5,845	$2,176

Total Revenue Calculated for 2.1G = $ 35,701 – 552 + 258 +
$ 388,877 – 5,845 + 2,176
= $ 420,615

Rate 2.2D Total Revenue Requirement $ 1,304,684 using the rates in Schedule II

Month	Area	Bills	MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	First Blk	Sec Blk	Demand
01	ID	7	31	$6,696	$101	$0	13201	17799	98.0
02	ID	7	30	6,255	94	1	15782	14218	111.0
03	ID	7	29	6,036	91	1	15232	13768	103.0
04	ID	7	28	5,875	89	57	14530	13470	102.0
05	ID	7	26	5,355	80	0	14988	11012	102.0
06	ID	7	24	5,157	77	6	12015	11985	93.0
07	ID	7	24	5,078	76	29	12075	11925	84.0
08	ID	7	24	5,166	77	60	10958	13042	79.0
09	ID	7	21	4,458	67	54	11155	9845	81.0
10	ID	7	23	4,891	73	65	11525	11475	82.0
11	ID	7	25	5,292	79	21	12807	12193	92.0
12	ID	7	25	5,314	80	12	11820	13180	82.0
Total	ID			$65,572	$986	$307			
01	LD	71	573	120,761	1,811	1,319	250683	322317	1715.0
02	LD	71	600	125,867	1,889	1,345	271066	328934	1863.0
03	LD	71	522	110,030	1,651	940	243835	278165	1770.0
04	LD	71	513	109,065	1,637	999	220425	292575	1574.0
05	LD	71	460	97,238	1,460	1,045	212490	247510	1533.0
06	LD	71	435	90,006	1,351	684	241653	193347	1776.0
07	LD	71	418	88,100	1,322	1,073	208117	209883	1554.0
08	LD	71	446	93,538	1,403	869	214455	231545	1508.0
09	LD	71	464	96,200	1,443	1,154	248520	215480	1802.0
10	LD	71	451	93,524	1,403	1,095	234916	216084	1653.0
11	LD	71	526	108,048	1,622	1,358	280113	245887	1926.0
12	LD	71	549	113,143	1,698	1,060	290543	258457	2040.0
Total	LD			1,245,520	18,690	12,940			

Total Revenue Calculated for 2.2D for 2004 = $ 65,572 – 996 + 307 +
$1,245,520 – 18,690 +12,940
= $ 1,304,663

1 Rate 2.2G Total Revenue Requirement $ 635,711 using the rates in Schedule II

Month	Area	Forecast Bills	Forecast MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	Forecast Demand kW
01	ID	5	47	$20,042	$301	$58	104.0
02	ID	5	46	20,608	309	67	137.0
03	ID	5	44	19,416	291	0	120.0
04	ID	5	41	18,285	274	0	118.0
05	ID	5	38	17,210	258	187	118.0
06	ID	5	36	16,493	247	0	118.0
07	ID	5	36	16,717	251	0	126.0
08	ID	5	36	16,297	244	70	111.0
09	ID	5	32	14,668	220	76	104.0
10	ID	5	34	14,824	222	68	84.0
11	ID	5	38	17,098	256	146	114.0
12	ID	5	43	18,749	281	0	109.0
Total	ID 2.2G			$210,407	$3,156	$674	
01	LD	10	59	26,788	402	127	181.0
02	LD	10	61	27,420	411	161	178.0
03	LD	10	53	24,918	374	140	191.0
04	LD	10	53	24,834	373	146	188.0
05	LD	10	48	22,875	343	151	182.0
06	LD	10	45	21,184	318	156	160.0
07	LD	10	43	21,447	322	147	195.0
08	LD	10	46	22,074	331	21	179.0
09	LD	10	47	23,469	352	133	216.0
10	LD	10	47	22,936	344	106	197.0
11	LD	10	54	24,968	375	117	180.0
12	LD	10	55	26,139	392	129	209.0
Total	LD 2.2G			$289,053	$4,336	$1,534	
01	ID	1	31	13,559	203	0	85.5
02	ID	1	29	12,944	194	0	89.1
03	ID	1	28	12,255	184	0	77.3
04	ID	1	27	12,660	190	0	104.5
05	ID	1	25	11,664	175	0	94.5
06	ID	1	24	11,713	176	0	109.1

07	ID	1	24	11,407	171	0	98.2
08	ID	1	24	12,731	191	0	145.5
09	ID	1	21	10,409	156	0	100.9
10	ID	1	23	11,405	171	179	110.9
11	ID	1	24	11,356	170	0	96.4
12	ID	1	25	11,409	171	0	85.5
Total	ID 2.3G			$143,511	$2,153	$179	

Total Revenue Calculated for 2.2G = $ 210,407 – 3,156 + 674 +
$ 289,053 – 4,336 +1,534 +
$ 143,511 – 2,153 + 179
= $ 635,714

The Revenue Requirement for 2.1D and 2.2D for 2005 and 2006 is the same as 2004 shown above. Below is the detailed calculations for both rates and years.

Rate 2.1D 2005

Month	Area	Bills	MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	First Blk	Sec Blk
01	ID	88	72	$13,090	$212	$108	38757	33243
02	ID	88	70	12,750	208	102	38273	31727
03	ID	88	67	12,254	201	107	37198	29802
04	ID	88	63	11,547	191	114	36889	26111
05	ID	88	58	10,645	177	114	36936	21064
06	ID	88	55	10,174	171	84	35230	19770
07	ID	88	55	10,152	170	73	35772	19228
08	ID	88	55	10,169	172	67	35362	19638
09	ID	88	49	9,214	160	72	32304	16696
10	ID	88	52	9,758	169	93	32189	19811
11	ID	88	57	10,423	172	86	37962	19038
12	ID	88	63	11,462	188	61	38956	24044
Total	ID			$131,638	$2,191	$1,080		
01	LD	315	315	57,375	927	615	133619	181381
02	LD	315	329	59,845	966	565	134845	194155
03	LD	315	287	52,444	856	460	130946	156054
04	LD	315	282	51,635	844	575	128727	153273
05	LD	315	253	46,677	773	525	122295	130705
06	LD	315	238	44,312	747	502	114088	123912
07	LD	315	229	42,743	725	446	112831	116169
08	LD	315	245	45,713	774	534	110623	134377
09	LD	315	254	47,268	794	528	112226	141774
10	LD	315	248	46,308	786	507	109274	138726
11	LD	315	289	52,923	867	597	128030	160970
12	LD	315	299	54,521	885	376	132986	166014
Total	LD			$601,765	$9,944	$6,231		

Total Revenue Calculated for 2.1D for 2005 = $ 131,638 – 2,191 + 1,080 +
$ 601,765 – 9,944 + 6,231
= $ 728,578

Rate 2.1D 2006

Month	Area	Bills	mWhs	Forecast Revenue	Forecast Discounts	Forecast Forf Disc
01	ID	88	72	$13,268	$214	$108
02	ID	88	70	12,947	210	103
03	ID	88	67	12,465	203	108
04	ID	88	63	11,823	194	116
05	ID	88	58	11,021	181	117
06	ID	88	55	10,539	175	86
07	ID	88	55	10,539	174	75
08	ID	88	55	10,539	176	68
09	ID	88	49	9,576	164	74
10	ID	88	52	10,058	172	95
11	ID	88	57	10,860	178	89
12	ID	88	63	11,823	192	62
Total	ID			$135,457	$2,233	$1,100
01	LD	315	315	56,684	914	607
02	LD	315	329	58,931	950	556
03	LD	315	287	52,190	849	456
04	LD	315	282	51,388	837	570
05	LD	315	253	46,733	770	523
06	LD	315	238	44,326	744	500
07	LD	315	229	42,881	723	445
08	LD	315	245	45,449	767	529
09	LD	315	254	46,894	785	522
10	LD	315	248	45,931	777	501
11	LD	315	289	52,511	858	591
12	LD	315	299	54,116	876	372
Total	LD			$598,035	$9,851	$6,172

Total Revenue Calculated for 2.1D for 2006 = $ 135,457 – 2,233 + 1,100 +
$ 598,035 – 9,851 + 6,172
= $ 728,682

Rate 2.2D 2005

Month	Area	Bills	MWh	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	First Blk kWh	Sec Blk kWh	Demand kW
01	ID	7	31	$6,573	$99	$0	13201	17799	98.0
02	ID	7	30	6,324	95	1	15782	14218	111.0
03	ID	7	29	6,091	92	1	15232	13768	103.0
04	ID	7	28	5,925	89	57	14530	13470	102.0
05	ID	7	26	5,494	82	0	14988	11012	102.0
06	ID	7	24	5,191	78	7	12015	11985	93.0
07	ID	7	24	5,094	76	29	12075	11925	84.0
08	ID	7	24	5,115	77	59	10958	13042	79.0
09	ID	7	21	4,520	68	55	11155	9845	81.0
10	ID	7	23	4,908	74	65	11525	11475	82.0
11	ID	7	25	5,330	80	21	12807	12193	92.0
12	ID	7	25	5,280	79	12	11820	13180	82.0
Total				$65,846	$990	$308			
01	LD	71	573	118,600	1,779	1,295	250683	322317	1715.0
02	LD	71	600	124,189	1,863	1,327	271066	328934	1863.0
03	LD	71	522	109,313	1,640	934	243835	278165	1770.0
04	LD	71	513	107,017	1,606	980	220425	292575	1574.0
05	LD	71	460	96,425	1,448	1,036	212490	247510	1533.0
06	LD	71	435	92,030	1,382	699	241653	193347	1776.0
07	LD	71	418	88,485	1,328	1,078	208117	209883	1554.0
08	LD	71	446	93,224	1,398	866	214455	231545	1508.0
09	LD	71	464	97,683	1,465	1,171	248520	215480	1802.0
10	LD	71	451	94,406	1,416	1,105	234916	216084	1653.0
11	LD	71	526	109,382	1,642	1,375	280113	245887	1926.0
12	LD	71	549	114,511	1,718	1,073	290543	258457	2040.0
Total				$1,245,265	$18,686	$12,940			

Total Revenue Calculated for 2.2D for 2005 = $ 65,846 – 990 + 308 +
$ 1,245,265 – 18,686 + 12,940
= $ 1,304,6

Rate 2.2D 2006

Month	Area	Bills	mWhs	Forecast Revenue	Forecast Discounts	Forecast Forf Disc	Demand
01	ID	7	31	$6,420	$97	$0	98.0
02	ID	7	30	6,409	97	1	111.0
03	ID	7	29	6,162	93	1	103.0
04	ID	7	28	5,988	90	58	102.0
05	ID	7	26	5,666	85	0	102.0
06	ID	7	24	5,229	78	7	93.0
07	ID	7	24	5,115	77	29	84.0
08	ID	7	24	5,051	76	59	79.0
09	ID	7	21	4,594	69	56	81.0
10	ID	7	23	4,928	74	65	82.0
11	ID	7	25	5,378	81	21	92.0
12	ID	7	25	5,240	79	12	82.0
Total				66,180	995	309	
01	LD	71	573	115,986	1,740	1,267	1715.0
02	LD	71	600	122,163	1,833	1,305	1863.0
03	LD	71	522	108,416	1,627	927	1770.0
04	LD	71	513	104,506	1,569	957	1574.0
05	LD	71	460	95,418	1,433	1,025	1533.0
06	LD	71	435	94,477	1,418	718	1776.0
07	LD	71	418	88,919	1,334	1,083	1554.0
08	LD	71	446	92,845	1,393	862	1508.0
09	LD	71	464	99,479	1,492	1,193	1802.0
10	LD	71	451	95,492	1,432	1,118	1653.0
11	LD	71	526	111,042	1,667	1,396	1926.0
12	LD	71	549	116,195	1,744	1,089	2040.0
Total				$1,244,939	$18,681	$12,939	

Total Revenue Calculated for 2.2D for 2006 = $ 66,180 – 995 + 309 +
$ 1,244,939 – 18,681 + 12,939
= $ 1,304,691