
2008 Long Term Acquisition Plan



APPENDIX O

Base and Contingency Plans

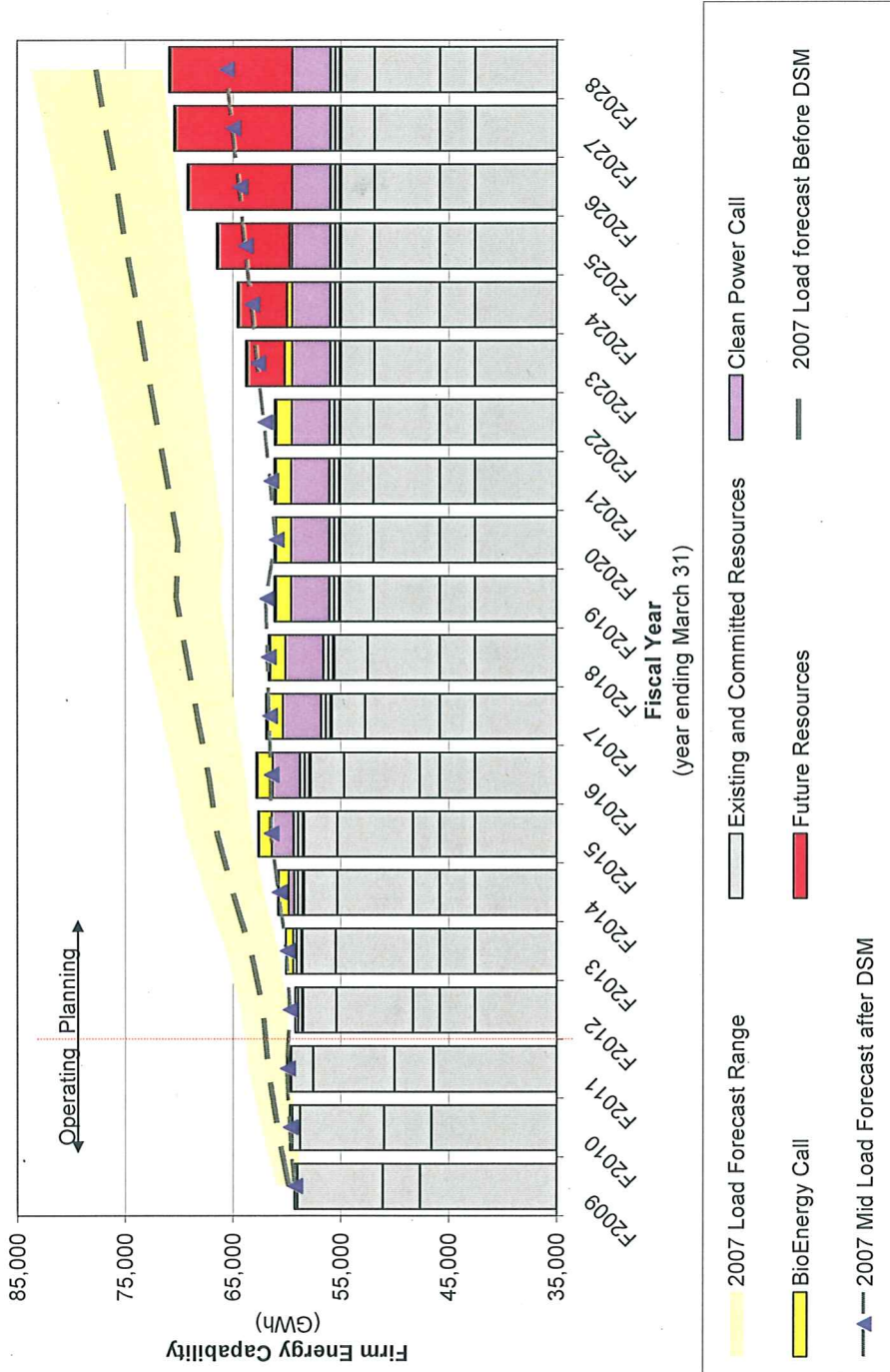
List of Figures

Figure 0-1	Base Plan: Energy Balance 1	1
Figure 0-2	Base Plan: Capacity Load / Resource Balance	2
Figure 0-3	Contingency Plan 1: Energy Load / Resource Balance	3
Figure 0-4	Contingency Plan 1: Capacity Load / Resource Balance	4
Figure 0-5	Contingency Plan 2 with Site C: Energy Load / Resource Balance	5
Figure 0-6	Contingency Plan 2 with Site C: Capacity Load / Resource Balance	6

List of Tables

Table 0-1	Base Plan: Energy Load / Resource Balance	7
Table 0-2	Base Plan: Capacity Load / Resource Balance	8
Table 0-3	Contingency Plan 1: Energy Load / Resource Balance	9
Table 0-4	Contingency Plan 1: Capacity Load / Resource Balance	10
Table 0-5	Contingency Plan 2 with Site C: Energy Load / Resource Balance	11
Table 0-6	Contingency Plan 2 with Site C: Capacity Load / Resource Balance	12
Table 0-7	Resource Options used in the development of the Base and Contingency Plans	13

Figure O-1 - Base Plan Energy Balance 1



[Revision 1 - July 4, 2008]

Figure 0-2 Base Plan: Capacity Load / Resource Balance

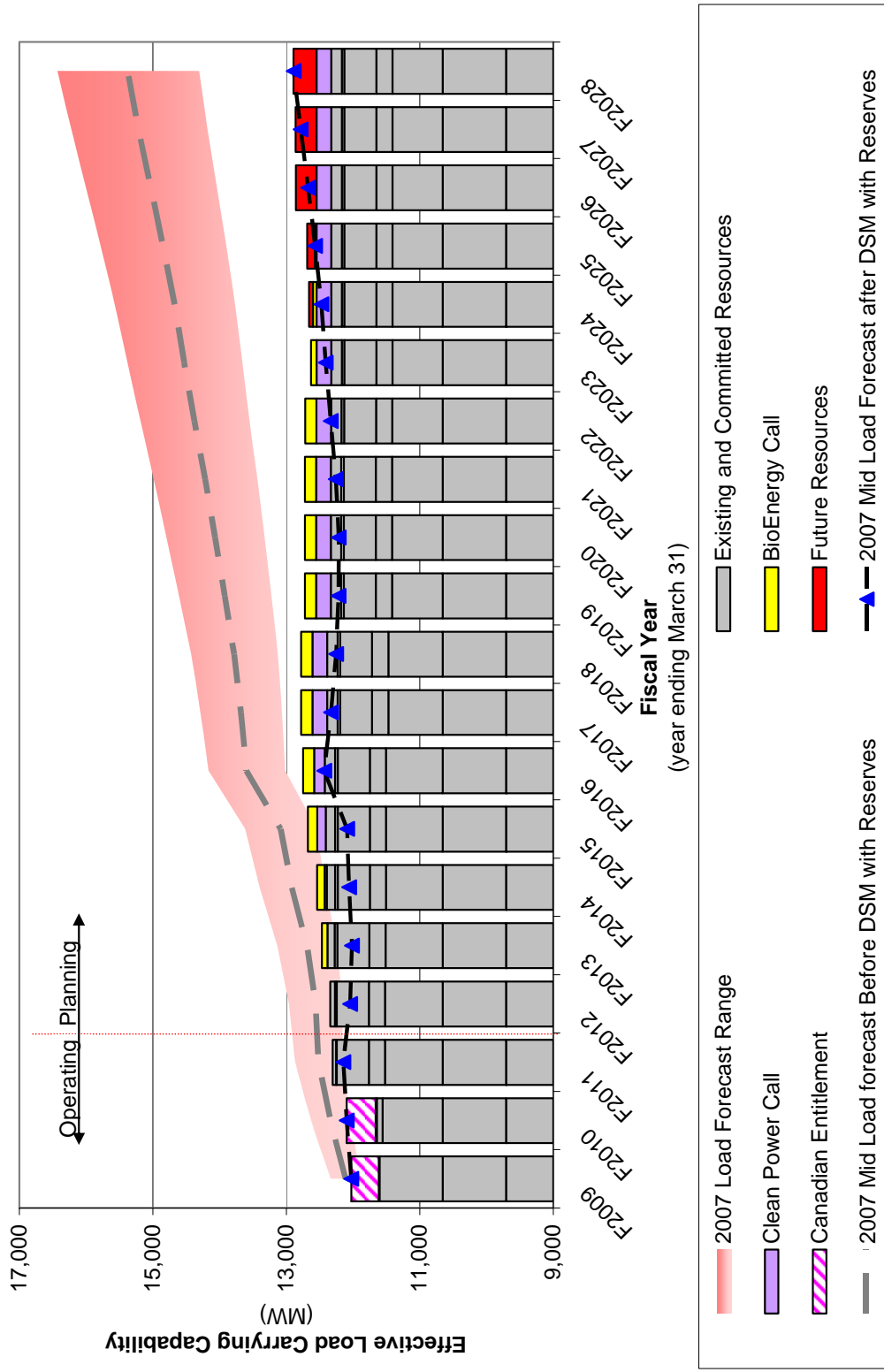


Figure 0-3 Contingency Plan 1: Energy Load / Resource Balance

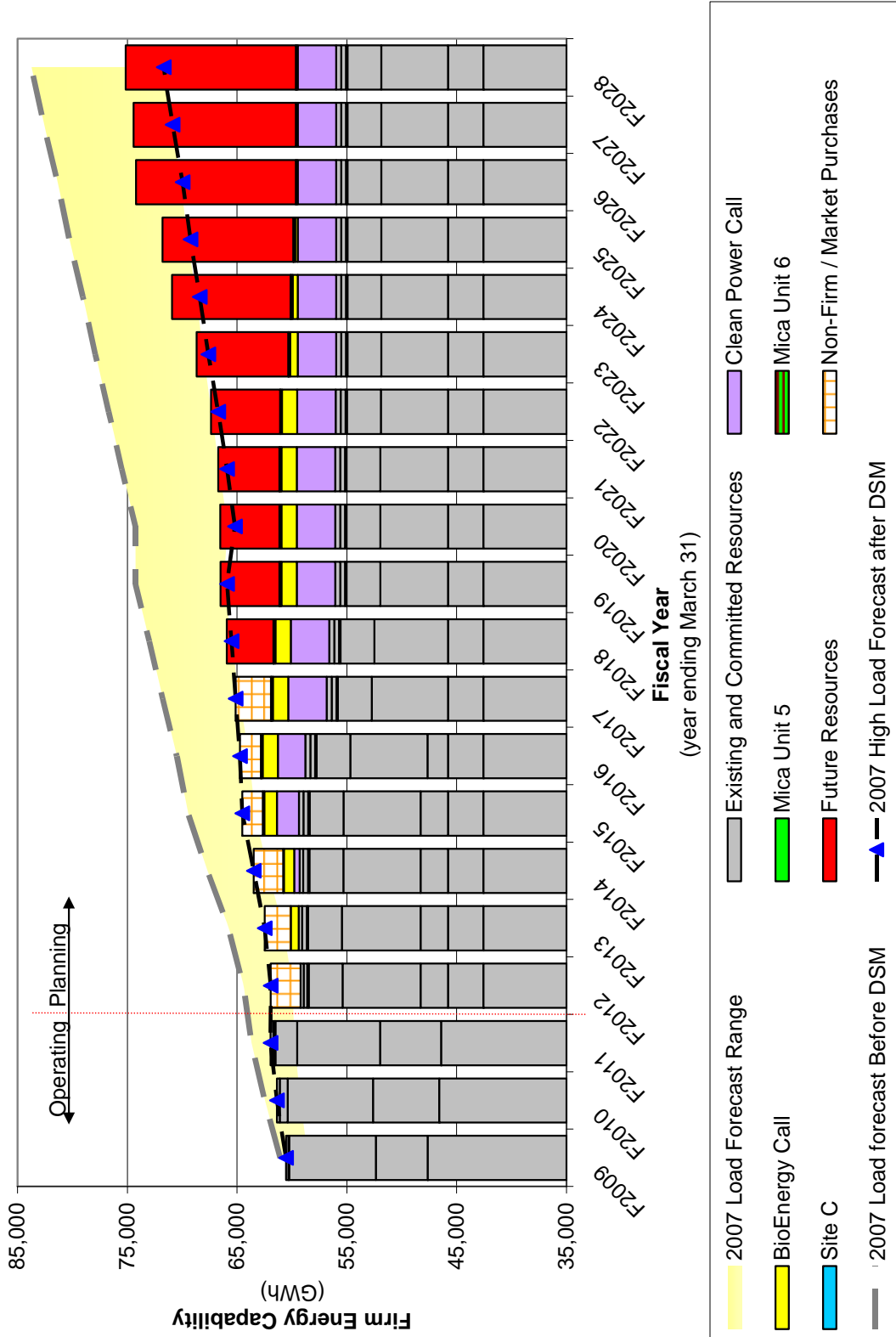


Figure 0-4 Contingency Plan 1: Capacity Load / Resource Balance

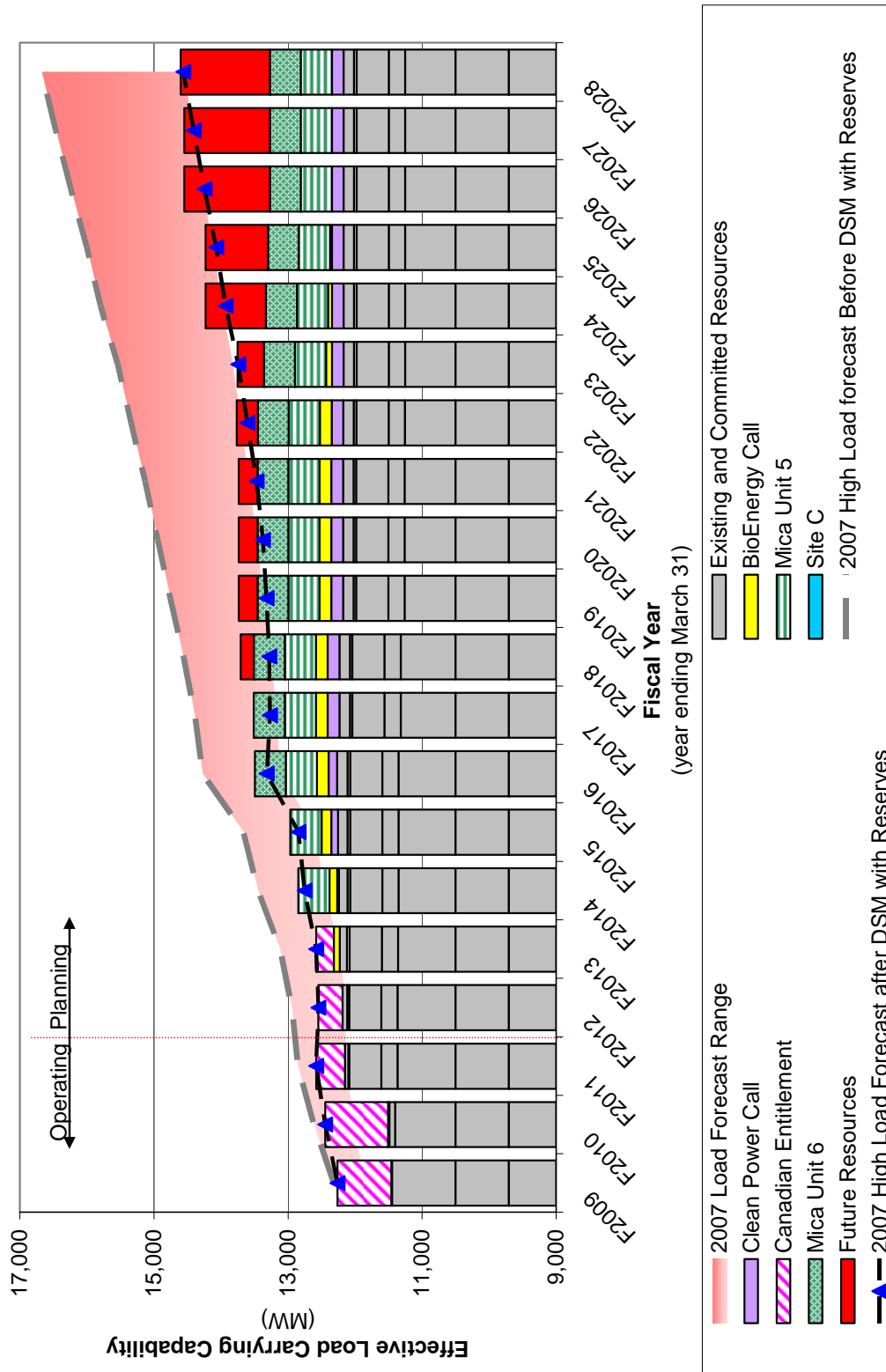


Figure 0-5 Contingency Plan 2 with Site C: Energy Load / Resource Balance

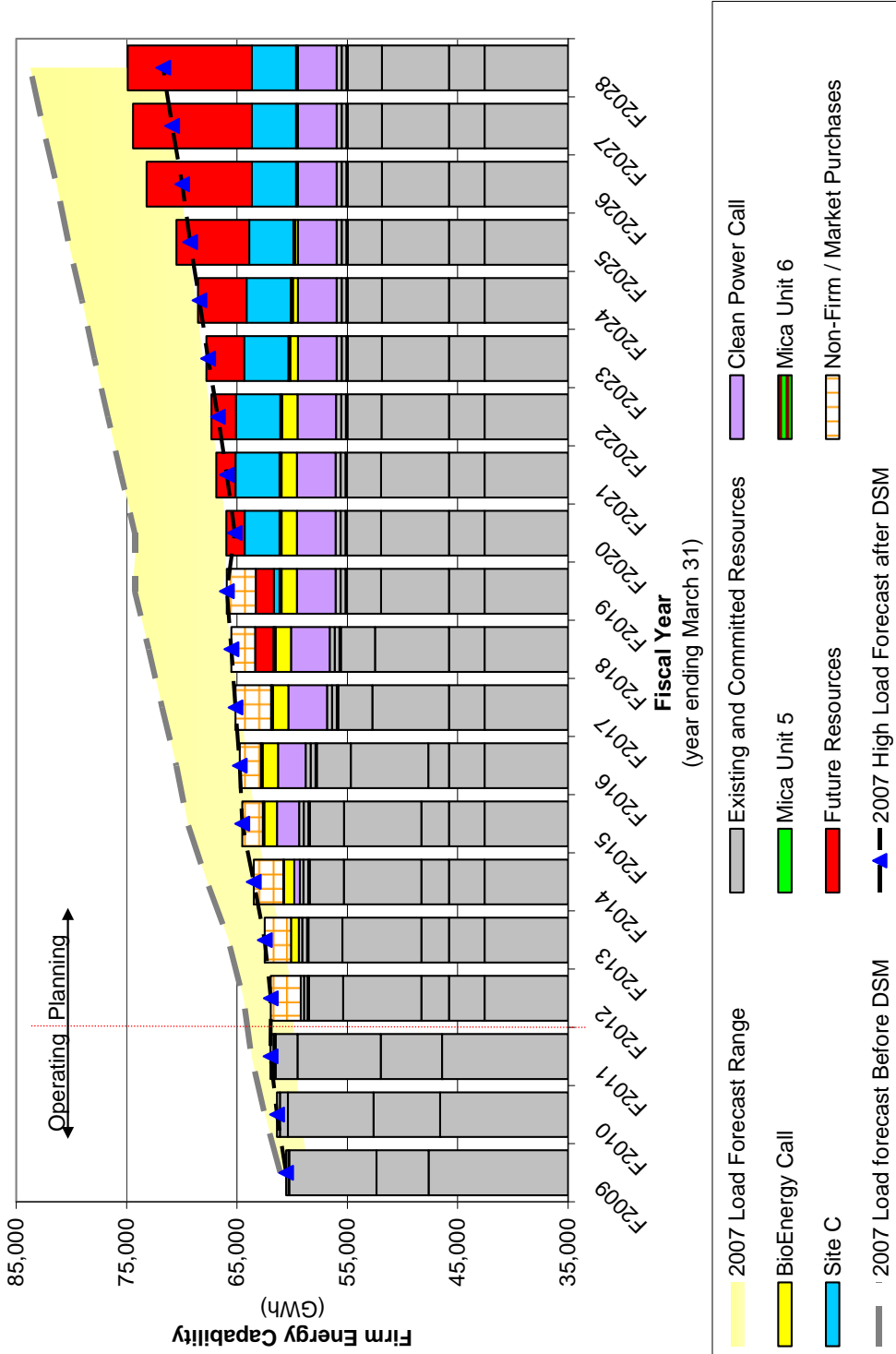


Figure 0-6 Contingency Plan 2 with Site C: Capacity Load / Resource Balance

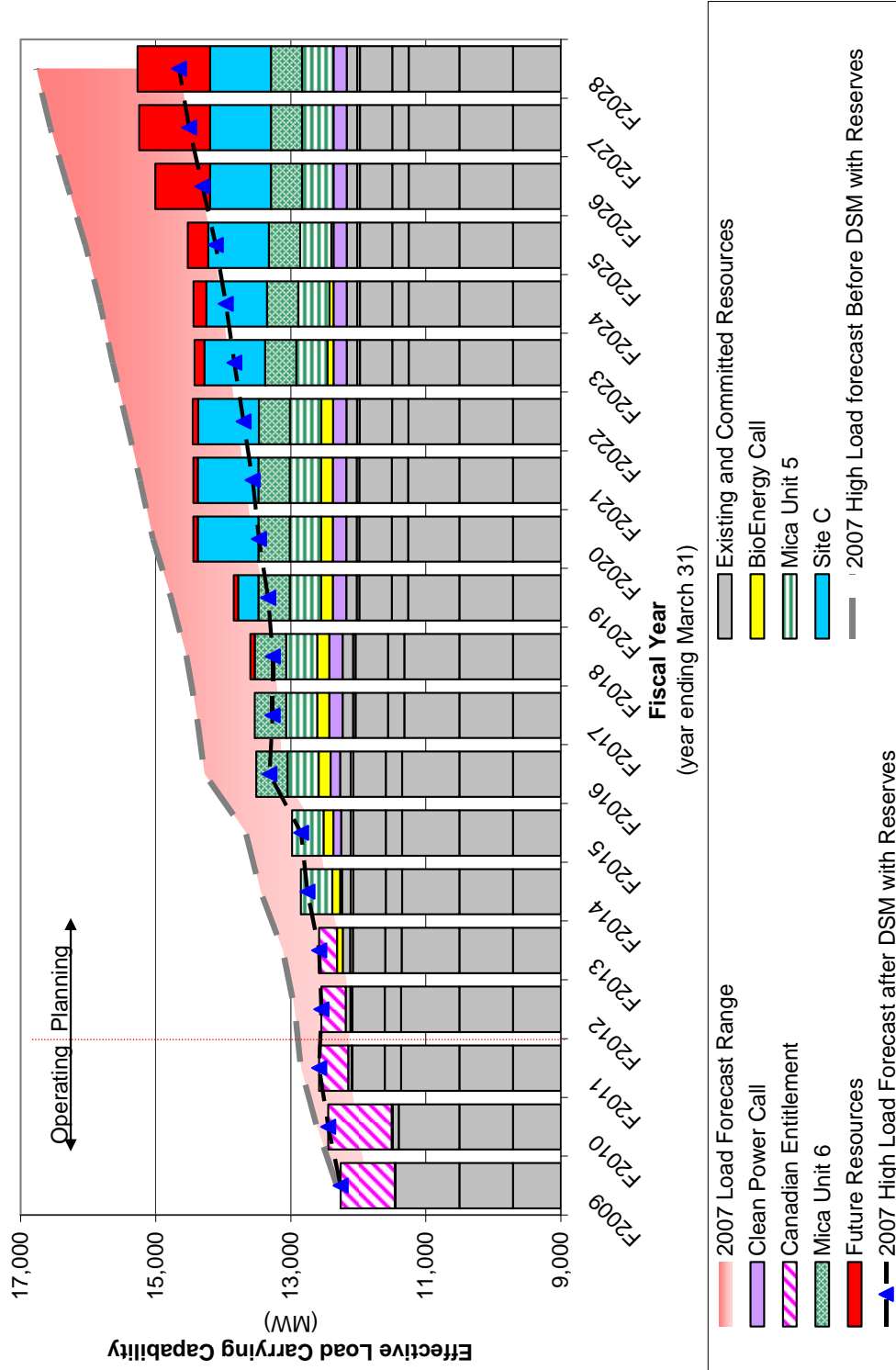


Table 0-1 Base Plan: Energy Load / Resource Balance

		← Operating			→ Planning																
(GWh)		F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
Existing and Committed Supply																					
Heritage Hydroelectric		47,600	46,600	46,400	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600
Heritage Thermal / Market Purchases		3,200	3,900	2,900	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Resource Smart		200	300	300	300	300	300	400	400	500	500	500	500	500	500	500	500	500	500	500	500
Revelstoke Unit 5		0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Existing Purchase Contracts (including Alcan 2007 EPA)		7,900	7,800	7,600	7,100	7,100	7,000	7,000	7,000	6,900	6,700	6,200	6,200	6,200	6,100	6,100	6,100	6,100	6,100	6,100	6,100
F2006 Call		100	700	2,000	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Standing Offer Program		0	0	100	300	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Sub-total	(a)	59,000	59,200	59,300	56,700	56,900	56,800	56,900	56,900	56,800	56,600	56,100	56,100	56,100	56,000	56,000	56,000	56,000	56,000	56,000	56,000
Proposed New Supply																					
Bioenergy Call		0	0	0	0	700	900	1,200	1,400	1,400	1,400	1,400	1,400	1,400	1,400	700	500	200	0	0	0
Clean Power Call		0	0	0	0	0	500	2,000	2,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
Mica Unit 5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mica Unit 6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site C		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Resources		0	0	0	0	0	0	0	0	0	0	0	0	0	0	500	1,400	3,100	6,100	6,500	7,100
Sub-total	(b)	0	0	0	0	700	1,400	3,200	3,900	4,900	4,900	4,900	4,900	4,900	4,900	4,700	5,300	6,900	9,600	10,000	10,600
Additional Non-Firm Energy Supply																					
Non Firm / Market Allowance		0	0	0	2,500	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total	(c)	0	0	0	2,500	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	(d) = a + b + c	59,000	59,200	59,300	59,200	60,100	60,700	62,500	62,700	61,700	61,500	61,000	61,000	61,000	60,900	60,700	61,300	62,800	65,600	66,000	66,500
Demand - Integrated System Total Gross Requirements																					
2007 High Load Forecast Before DSM	(e)	61,100	62,500	63,700	64,400	65,800	67,700	69,500	70,500	71,800	73,000	74,200	74,300	75,500	76,700	77,900	79,000	80,300	81,300	82,600	83,700
2007 Mid Load Forecast Before DSM	(f)	59,800	60,900	61,700	62,200	63,300	65,000	66,400	67,200	68,300	69,300	70,200	70,100	71,100	72,000	73,000	73,900	74,900	75,800	76,800	77,700
2007 Low Load Forecast Before DSM	(g)	58,600	59,200	59,800	60,000	60,800	62,200	63,400	63,900	64,800	65,500	66,200	65,900	66,600	67,300	68,100	68,700	69,500	70,100	70,900	71,600
Demand Side Management																					
Option A - Mid Range with Loss Savings		800	1,700	2,400	3,300	4,200	5,300	6,200	7,100	8,200	9,200	10,100	10,900	11,500	12,000	12,400	12,900	13,400	13,800	14,200	14,500
	(h)	800	1,700	2,400	3,300	4,200	5,300	6,200	7,100	8,200	9,200	10,100	10,900	11,500	12,000	12,400	12,900	13,400	13,800	14,200	14,500
Load after DSM																					
2007 High Load Forecast after DSM	(e - h)	60,200	60,800	61,300	61,100	61,500	62,400	63,300	63,300	63,600	63,800	64,100	63,300	64,000	64,700	65,500	66,100	66,900	67,600	68,400	69,200
2007 Mid Load Forecast after DSM	(f - h)	59,000	59,200	59,300	58,900	59,100	59,700	60,300	60,100	60,100	60,100	59,200	59,500	60,000	60,600	61,000	61,600	62,000	62,600	63,200	
2007 Low Load Forecast after DSM	(g - h)	57,700	57,600	57,300	56,700	56,600	56,900	57,200	56,800	56,600	56,300	56,100	54,900	55,100	55,300	55,700	55,800	56,200	56,400	56,700	57,100
Surplus / Deficit																					
		F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
2007 High Load Forecast Surplus / Deficit	(d - e + h)	0	0	0	-1,900	-1,400	-1,700	-800	-700	-1,800	-2,300	-3,200	-2,400	-3,000	-3,800	-4,800	-4,800	-4,100	-2,000	-2,400	-2,700
2007 Mid Load Forecast Surplus / Deficit	(d - f + h)	0	0	0	300	1,000	1,100	2,300	2,600	1,600	1,400	800	1,800	1,400	900	100	300	1,300	3,600	3,400	3,400
2007 Low Load Forecast Surplus / Deficit	(d - g + h)	0	0	0	2,600	3,500	3,800	5,300	5,900	5,100	5,200	4,900	6,000	5,900	5,600	5,000	5,500	6,700	9,200	9,300	9,500

Note: Values are rounded to the nearest 100 GWh

Table 0-2 Base Plan: Capacity Load / Resource Balance

(MW)	Operating Planning																			
	F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
Supply Requiring Reserves																				
Existing and Committed Supply																				
Heritage Hydroelectric	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700
Heritage Thermal / Market Purchases	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950	950
Resource Smart	0	0	50	50	100	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Revelstoke Unit 5	0	0	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Existing Purchase Contracts (excluding Alcan 2007 EPA)	650	650	650	650	650	650	650	650	650	650	600	600	600	600	600	600	600	600	600	600
F2006 Call	0	100	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Standing Offer Program	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Sub-total (a)	11,300	11,400	12,100	12,150	12,200	12,200	12,200	12,250	12,250	12,250	12,150	12,150	12,150	12,150	12,150	12,150	12,150	12,150	12,150	12,150
Proposed New Supply																				
Bioenergy Call	0	0	0	0	100	100	150	150	150	150	150	150	150	150	100	50	50	0	0	0
Clean Power Call	0	0	0	0	0	50	150	150	200	200	200	200	200	200	200	200	200	200	200	200
Mica Unit 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mica Unit 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Site C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Resources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50	100	300	300	350
Sub-total (b)	0	0	0	0	100	150	250	300	400	400	400	400	400	400	300	350	350	550	550	550
Supply Requiring Reserves (c) = a + b	11,300	11,400	12,100	12,150	12,250	12,350	12,500	12,550	12,600	12,600	12,550	12,550	12,550	12,450	12,500	12,550	12,700	12,700	12,700	12,750
Reserves (see footnote)																				
14% of Supply Requiring Reserves (d) = 14% * c	1,600	1,600	1,700	1,700	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,800	1,800	1,800	1,800
Minus: 400 MW market reliance	-400	-400	-400	-400	-400	-400	-400	0	0	0	0	0	0	0	0	0	0	0	0	0
Net Reserves (e) = d*	1,200	1,200	1,300	1,300	1,350	1,350	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,750	1,800	1,800	1,800	1,800
Supply Not Requiring Reserves																				
Existing and Committed Supply																				
Alcan 2007 EPA	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Sub-total (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Supply Not Requiring Reserves (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Effective Load Carrying Capability																				
Supply Requiring Reserves - Reserves + Supply Not Requiring Reserves (g) = c - e + f	10,450	10,450	11,000	11,050	11,150	11,200	11,350	11,000	11,000	11,000	10,950	10,950	10,950	10,900	10,900	10,950	11,100	11,100	11,100	11,100
Demand - Integrated System Total Gross Requirements																				
2007 High Load Forecast Before DSM (h)	11,150	11,450	11,600	11,650	11,800	12,100	12,250	12,400	12,500	12,650	12,850	13,050	13,250	13,450	13,650	13,800	14,050	14,200	14,450	14,650
2007 Mid Load Forecast Before DSM (i)	10,950	11,150	11,200	11,250	11,400	11,600	11,750	11,850	11,900	12,000	12,150	12,300	12,450	12,600	12,800	12,950	13,100	13,250	13,450	13,600
2007 Low Load Forecast Before DSM (j)	10,700	10,850	10,850	10,850	10,950	11,100	11,200	11,250	11,300	11,350	11,450	11,550	11,700	11,800	11,900	12,000	12,150	12,250	12,400	12,550
Demand Side Management																				
Option A - Mid Range with Loss Savings	100	250	350	500	700	850	1,000	1,150	1,350	1,550	1,700	1,850	1,950	2,050	2,100	2,200	2,300	2,350	2,450	2,500
Sub-total (k)	100	250	350	500	700	850	1,000	1,150	1,350	1,550	1,700	1,850	1,950	2,050	2,100	2,200	2,300	2,350	2,450	2,500
Load after DSM																				
2007 High Load Forecast after DSM (h - k)	11,050	11,200	11,200	11,150	11,150	11,200	11,300	11,250	11,150	11,150	11,150	11,200	11,250	11,400	11,500	11,600	11,750	11,850	12,000	12,150
2007 Mid Load Forecast after DSM (i - k)	10,850	10,900	10,850	10,750	10,700	10,750	10,750	10,650	10,550	10,500	10,450	10,450	10,500	10,600	10,650	10,750	10,800	10,900	11,000	11,100
2007 Low Load Forecast after DSM (j - k)	10,600	10,600	10,500	10,350	10,250	10,250	10,200	10,100	9,950	9,850	9,750	9,700	9,700	9,750	9,800	9,800	9,850	9,900	10,000	10,050
Effective Load Carrying Capability Surplus / Deficit																				
2007 High Load Forecast Surplus / Deficit (g - h + k)	-650	-750	-200	-100	0	0	50	-250	-150	-100	-200	-200	-300	-450	-650	-700	-800	-800	-950	-1,050
2007 Mid Load Forecast Surplus / Deficit (l) = g - i + k	-400	-450	150	300	450	500	600	300	450	500	500	500	450	400	200	200	100	200	100	0
2007 Low Load Forecast Surplus / Deficit (g - j + k)	-200	-150	500	700	900	950	1,150	900	1,050	1,200	1,200	1,250	1,250	1,200	1,100	1,100	1,050	1,150	1,100	1,050
Additional Supply Potential																				
Canadian Entitlement (m)	400	450	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Surplus / Deficit with Canadian Entitlement (l + m)	0	0	150	300	450	500	600	300	450	500	500	500	450	400	200	200	100	200	100	0

Reserve Footnote
 BC Hydro's reserves are based on 14% of total supply excluding the 400 MW market reliance prior to F2016 and the Alcan 2007 EPA.
 Note: values are rounded to the nearest 50 MW.

Table 0-3 Contingency Plan 1: Energy Load / Resource Balance

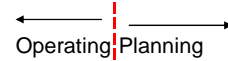
(GWh)				← Operating Planning →																	
	F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028	
Existing and Committed Supply																					
Heritage Hydroelectric	47,600	46,600	46,400	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600
Heritage Thermal / Market Purchases	4,700	6,000	5,600	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Resource Smart	200	300	300	300	300	300	400	400	500	500	500	500	500	500	500	500	500	500	500	500	500
Revelstoke Unit 5	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Existing Purchase Contracts (including Alcan 2007 EPA)	7,900	7,800	7,600	7,100	7,100	7,000	7,000	7,000	6,900	6,700	6,200	6,200	6,200	6,100	6,100	6,100	6,100	6,100	6,100	6,100	6,100
F2006 Call	100	700	2,000	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Standing Offer Program	0	0	100	300	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Sub-total	(a)	60,500	61,400	62,000	56,700	56,900	56,800	56,900	56,800	56,600	56,100	56,100	56,100	56,000	56,000	56,000	56,000	56,000	56,000	56,000	56,000
Proposed New Supply																					
Bioenergy Call	0	0	0	0	700	800	900	1,000	1,000	1,000	1,000	1,000	1,000	1,000	300	200	100	0	0	0	0
Clean Power Call	0	0	0	0	0	500	2,000	2,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
Mica Unit 5	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mica Unit 6	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100
Site C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Resources	0	0	0	0	0	0	0	0	0	4,700	5,800	5,800	6,000	6,700	8,700	11,100	12,000	14,500	14,800	15,500	15,500
Sub-total	(b)	0	0	0	0	700	1,400	3,000	3,700	4,700	9,300	10,400	10,500	10,700	11,400	12,700	14,900	15,800	18,200	18,500	19,200
Additional Non-Firm Energy Supply																					
Non Firm / Market Allowance	0	0	0	2,500	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total	(c)	0	0	0	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	(d) = a + b + c	60,500	61,400	62,000	59,200	60,100	60,700	62,400	62,400	61,500	65,900	66,500	66,500	66,700	67,400	68,700	70,900	71,800	74,200	74,400	75,100
Demand - Integrated System Total Gross Requirements																					
2007 High Load Forecast Before DSM	(e)	61,100	62,500	63,700	64,400	65,800	67,700	69,500	70,500	71,800	73,000	74,200	74,300	75,500	76,700	77,900	79,000	80,300	81,300	82,600	83,700
Demand Side Management																					
Option A - Low Range with Loss Savings	500	1,100	1,700	2,500	3,300	4,200	4,900	5,700	6,600	7,500	8,300	9,100	9,600	9,900	10,300	10,700	11,000	11,400	11,700	12,000	12,000
Sub-total	(h)	500	1,100	1,700	2,500	3,300	4,200	4,900	5,700	6,600	7,500	8,300	9,100	9,600	9,900	10,300	10,700	11,000	11,400	11,700	12,000
Load after DSM																					
2007 High Load Forecast after DSM	(e - h)	60,500	61,400	62,000	61,900	62,500	63,500	64,500	64,700	65,100	65,500	65,900	65,200	65,900	66,700	67,600	68,400	69,300	70,000	70,900	71,700
Surplus / Deficit																					
2007 High Load Forecast Surplus / Deficit	(d - e + h)	0	0	0	-2,700	-2,400	-2,800	-2,100	-2,300	-3,600	400	600	1,300	800	600	1,100	2,500	2,500	4,200	3,600	3,400

Table 0-4 Contingency Plan 1: Capacity Load / Resource Balance

(MW)	Operating Planning																			
	F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
Supply Requiring Reserves																				
Existing and Committed Supply																				
Heritage Hydroelectric	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700
Heritage Thermal / Market Purchases	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
Resource Smart	0	0	50	50	100	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Revelstoke Unit 5	0	0	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Existing Purchase Contracts (excluding Alcan 2007 EPA)	650	650	650	650	650	650	650	650	650	650	600	600	600	600	600	600	600	600	600	600
F2006 Call	0	100	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Standing Offer Program	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Sub-total (a)	11,150	11,250	11,950	12,000	12,050	12,050	12,050	12,050	12,050	12,050	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Proposed New Supply																				
Bioenergy Call	0	0	0	0	100	100	100	100	100	100	100	100	100	100	50	0	0	0	0	0
Clean Power Call	0	0	0	0	0	50	100	150	200	200	200	200	200	200	200	200	200	200	200	200
Mica Unit 5	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Mica Unit 6	0	0	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450
Site C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Future Resources	0	0	0	0	0	0	0	0	0	250	350	350	350	350	450	950	1,300	1,300	1,300	1,350
Sub-total (b)	0	0	0	0	100	600	700	1,150	1,200	1,450	1,550	1,550	1,550	1,600	1,600	2,050	2,050	2,400	2,400	2,450
Supply Requiring Reserves (c) = a + b	11,150	11,250	11,950	12,000	12,150	12,650	12,750	13,200	13,250	13,500	13,550	13,550	13,550	13,600	13,600	14,050	14,050	14,400	14,400	14,450
Reserves (see footnote)																				
14% of Supply Requiring Reserves (d) = 14% * c	1,550	1,600	1,650	1,700	1,700	1,750	1,800	1,850	1,850	1,900	1,900	1,900	1,900	1,900	1,900	1,950	1,950	2,000	2,000	2,000
Minus: 400 MW market reliance	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400
Net Reserves (e) = d - 400	1,150	1,200	1,250	1,300	1,300	1,350	1,400	1,450	1,450	1,500	1,500	1,500	1,500	1,500	1,500	1,550	1,550	2,000	2,000	2,000
Supply Not Requiring Reserves																				
Existing and Committed Supply																				
Alcan 2007 EPA	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Sub-total (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Supply Not Requiring Reserves (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Effective Load Carrying Capability																				
Supply Requiring Reserves - Reserves + Supply Not Requiring Reserves (g) = c - e + f	10,300	10,350	10,900	10,900	11,000	11,450	11,550	11,600	11,600	11,800	11,850	11,850	11,850	11,850	11,850	12,250	12,250	12,550	12,550	12,600
Demand - Integrated System Total Gross Requirements																				
2007 High Load Forecast Before DSM (h)	11,150	11,450	11,600	11,650	11,800	12,100	12,250	12,400	12,500	12,650	12,850	13,050	13,250	13,450	13,650	13,800	14,050	14,200	14,450	14,650
Demand Side Management																				
Option A - Low Range with Loss Savings	50	150	250	400	550	700	800	950	1,100	1,300	1,450	1,550	1,650	1,750	1,800	1,850	1,950	2,000	2,050	2,100
Sub-total (k)	50	150	250	400	550	700	800	950	1,100	1,300	1,450	1,550	1,650	1,750	1,800	1,850	1,950	2,000	2,050	2,100
Load after DSM																				
2007 High Load Forecast after DSM (h - k)	11,100	11,250	11,300	11,250	11,300	11,400	11,450	11,450	11,400	11,400	11,400	11,450	11,550	11,700	11,850	11,950	12,100	12,250	12,400	12,550
Effective Load Carrying Capability Surplus / Deficit																				
2007 High Load Forecast Surplus / Deficit (l = (g - h + k))	-800	-950	-450	-350	-250	100	100	150	200	400	400	350	250	150	0	300	150	300	150	50
Additional Supply Potential																				
Canadian Entitlement (m)	800	950	450	350	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Surplus / Deficit with Canadian Entitlement (l + m)	0	0	0	0	0	100	100	150	200	400	400	350	250	150	0	300	150	300	150	50

Reserve Footnote
 BC Hydro's reserves are based on 14% of total supply excluding the 400 MW market reliance prior to F2016 and the Alcan 2007 EPA.
 Note: values are rounded to the nearest 50 MW.

Table 0-5 Contingency Plan 2 with Site C: Energy Load / Resource Balance



(GWh)		F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
Existing and Committed Supply																					
Heritage Hydroelectric		47,600	46,600	46,400	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600	42,600
Heritage Thermal / Market Purchases		4,700	6,000	5,600	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200	3,200
Resource Smart		200	300	300	300	300	300	400	400	500	500	500	500	500	500	500	500	500	500	500	500
Revelstoke Unit 5		0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Existing Purchase Contracts (including Alcan 2007 EPA)		7,900	7,800	7,600	7,100	7,100	7,000	7,000	7,000	6,900	6,700	6,200	6,200	6,200	6,100	6,100	6,100	6,100	6,100	6,100	6,100
F2006 Call		100	700	2,000	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100	3,100
Standing Offer Program		0	0	100	300	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
Sub-total	(a)	60,500	61,400	62,000	56,700	56,900	56,800	56,900	56,900	56,800	56,600	56,100	56,100	56,100	56,000	56,000	56,000	56,000	56,000	56,000	56,000
Proposed New Supply																					
Bioenergy Call		0	0	0	0	700	800	900	1,000	1,000	1,000	1,000	1,000	1,000	1,000	300	200	100	0	0	0
Clean Power Call		0	0	0	0	0	500	2,000	2,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,500
Mica Unit 5		0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Mica Unit 6		0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100
Site C		0	0	0	0	0	0	0	0	0	0	500	3,200	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000
Future Resources		0	0	0	0	0	0	0	0	2,100	2,100	2,100	2,100	2,600	3,800	4,700	6,700	9,500	10,800	11,200	
Sub-total	(b)	0	0	0	0	700	1,400	3,000	3,700	4,700	6,700	7,200	9,900	10,800	11,300	11,800	12,600	14,500	17,200	18,500	18,900
Additional Non-Firm Energy Supply																					
Non Firm / Market Allowance		0	0	0	2,500	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0
Sub-total	(c)	0	0	0	2,500	2,500	2,500	2,500	1,900	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	(d) = a + b + c	60,500	61,400	62,000	59,200	60,100	60,700	62,400	62,400	61,500	63,300	63,300	66,000	66,900	67,300	67,800	68,500	70,500	73,200	74,400	74,900
Demand - Integrated System Total Gross Requirements																					
2007 High Load Forecast Before DSM	(e)	61,100	62,500	63,700	64,400	65,800	67,700	69,500	70,500	71,800	73,000	74,200	74,300	75,500	76,700	77,900	79,000	80,300	81,300	82,600	83,700
Demand Side Management																					
Option A - Low Range with Loss Savings		500	1,100	1,700	2,500	3,300	4,200	4,900	5,700	6,600	7,500	8,300	9,100	9,600	9,900	10,300	10,700	11,000	11,400	11,700	12,000
Sub-total	(h)	500	1,100	1,700	2,500	3,300	4,200	4,900	5,700	6,600	7,500	8,300	9,100	9,600	9,900	10,300	10,700	11,000	11,400	11,700	12,000
Load after DSM																					
2007 High Load Forecast after DSM	(e - h)	60,500	61,400	62,000	61,900	62,500	63,500	64,500	64,700	65,100	65,500	65,900	65,200	65,900	66,700	67,600	68,400	69,300	70,000	70,900	71,700
Surplus / Deficit																					
		F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
2007 High Load Forecast Surplus / Deficit	(d - e + h)	0	0	0	-2,700	-2,400	-2,800	-2,100	-2,300	-3,600	-2,200	-2,600	700	1,000	600	100	100	1,200	3,200	3,600	3,200

Table 0-6 Contingency Plan 2 with Site C: Capacity Load / Resource Balance

(MW)	← Operating			→ Planning																
	F2009	F2010	F2011	F2012	F2013	F2014	F2015	F2016	F2017	F2018	F2019	F2020	F2021	F2022	F2023	F2024	F2025	F2026	F2027	F2028
Supply Requiring Reserves																				
Existing and Committed Supply																				
Heritage Hydroelectric	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700	9,700
Heritage Thermal / Market Purchases	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800	800
Resource Smart	0	0	50	50	100	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150
Revelstoke Unit 5	0	0	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Existing Purchase Contracts (excluding Alcan 2007 EPA)	650	650	650	650	650	650	650	650	650	650	600	600	600	600	600	600	600	600	600	600
F2006 Call	0	100	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250
Standing Offer Program	0	0	0	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Sub-total (a)	11,150	11,250	11,950	12,000	12,050	12,050	12,050	12,050	12,050	12,050	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000
Proposed New Supply																				
Bioenergy Call	0	0	0	0	100	100	100	100	100	100	100	100	100	100	50	0	0	0	0	0
Clean Power Call	0	0	0	0	0	50	100	150	200	200	200	200	200	200	200	200	200	200	200	200
Mica Unit 5	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450	450	450
Mica Unit 6	0	0	0	0	0	0	0	450	450	450	450	450	450	450	450	450	450	450	450	450
Site C	0	0	0	0	0	0	0	0	0	0	300	900	900	900	900	900	900	900	900	900
Future Resources	0	0	0	0	0	0	0	0	100	100	100	100	150	200	250	300	300	800	1,050	1,100
Sub-total (b)	0	0	0	0	100	600	700	1,200	1,250	1,350	1,650	2,250	2,250	2,300	2,250	2,250	2,350	2,850	3,050	3,100
Supply Requiring Reserves (c) = a + b	11,150	11,250	11,950	12,000	12,150	12,650	12,750	13,250	13,300	13,400	13,650	14,250	14,250	14,300	14,250	14,250	14,350	14,850	15,050	15,100
Reserves (see footnote)																				
14% of Supply Requiring Reserves (d) = 14% * c	1,550	1,600	1,650	1,700	1,700	1,750	1,800	1,850	1,850	1,900	1,900	2,000	2,000	2,000	2,000	2,000	2,000	2,100	2,100	2,100
Minus: 400 MW market reliance	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400	-400
Net Reserves (e) = d - 400	1,150	1,200	1,250	1,300	1,300	1,350	1,400	1,850	1,850	1,900	1,900	2,000	2,000	2,000	2,000	2,000	2,000	2,100	2,100	2,100
Supply Not Requiring Reserves																				
Existing and Committed Supply																				
Alcan 2007 EPA	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Sub-total (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Supply Not Requiring Reserves (f)	300	250	200	200	200	200	200	200	150	150	150	150	150	150	150	150	150	150	150	150
Effective Load Carrying Capability																				
Supply Requiring Reserves - Reserves + Supply Not Requiring Reserves (g) = c - e + f	10,300	10,350	10,900	10,900	11,000	11,450	11,550	11,600	11,600	11,700	11,950	12,450	12,450	12,450	12,450	12,450	12,500	12,950	13,150	13,150
Demand - Integrated System Total Gross Requirements																				
2007 High Load Forecast Before DSM (h)	11,150	11,450	11,600	11,650	11,800	12,100	12,250	12,400	12,500	12,650	12,850	13,050	13,250	13,450	13,650	13,800	14,050	14,200	14,450	14,650
Demand Side Management																				
Option A - Low Range with Loss Savings	50	150	250	400	550	700	800	950	1,100	1,300	1,450	1,550	1,650	1,750	1,800	1,850	1,950	2,000	2,050	2,100
Sub-total (k)	50	150	250	400	550	700	800	950	1,100	1,300	1,450	1,550	1,650	1,750	1,800	1,850	1,950	2,000	2,050	2,100
Load after DSM (h - k)	11,100	11,250	11,300	11,250	11,300	11,400	11,450	11,450	11,400	11,400	11,400	11,450	11,550	11,700	11,850	11,950	12,100	12,250	12,400	12,550
Effective Load Carrying Capability Surplus / Deficit																				
2007 High Load Forecast Surplus / Deficit (l) = (g - h + k)	-800	-950	-450	-350	-250	100	100	150	200	350	500	950	900	750	600	500	400	700	750	600
Additional Supply Potential																				
Canadian Entitlement (m)	800	950	450	350	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Surplus / Deficit with Canadian Entitlement (l + m)	0	0	0	0	0	100	100	150	200	350	500	950	900	750	600	500	400	700	750	600

Reserve Footnote
 BC Hydro's reserves are based on 14% of total supply excluding the 400 MW market reliance prior to F2016 and the Alcan 2007 EPA.
 Note: values are rounded to the nearest 50 MW.

Table 0-7 Resource Options used in the development of the Base and Contingency Plans

Resource Name	Contribution to the Load / Resource Balances shown in Appendix O			Base Plan	Contingency Resource Plans		
	Capacity (MW)	Firm Energy (GWh)	Generic Resource is a placeholder for:		CRP #1	CRP #2	
Biomass Sawmill Wood Waste - Kelly	67	533	Bioenergy Call	2013	2013	2013	
Biomass Sawmill Wood Waste - Nicola	33	267		2013	2013	2013	
Biomass Central Interior	50	400		2013			
LM Small Hydro Bundle1	37	425	Clean Power Call	2014	2014	2014	
LM Small Hydro Bundle2	49	637		2014	2014	2014	
KLY Small Hydro Bundle1	5	193		2014	2014	2014	
Bundle - Municipal Solid Waste (MSW)	51	411		2014	2014	2014	
Peace Wind 1	25	492		2014	2014	2014	
CI Small Hydro Bundle1	1	112		2015	2015	2015	
LM Small Hydro Bundle3	33	716		2016	2016	2016	
Peace Wind 2	49	947		2016	2016	2016	
Mica Unit 5	465	130		Future Resources	2014	2014	2014
Mica Unit 6	460	50			2016	2016	2016
Site C	900	4,000				2019	
EK Small Hydro Bundle1	2	368	2025		2017	2021	
LM Small Hydro Bundle4	29	526	2025		2017	2017	
NC Small Hydro Bundle1	25	543	2022		2017	2017	
VI Small Hydro Bundle1	16	131	2023		2017	2022	
NIC Small Hydro Bundle1	2	244	2025		2017	2023	
NIC Small Hydro Bundle2	1	153	2025		2017	2023	
NIC Small Hydro Bundle 3	1	72	2025		2020		
LM Small Hydro Bundle5	31	466	2027	2021			
NC Small Hydro Bundle2	17	417		2022			
PR Small Hydro Bundle1	1	53	2026	2022	2024		
PR Small Hydro Bundle2	0	39	2027	2022			
PR Small Hydro Bundle3	0	89	2027	2024			
CI Small Hydro Bundle2	2	178	2026	2025	2025		
KLY Small Hydro Bundle 2	2	89	2026	2021			
SE Small Hydro Bundle1	5	304	2027	2027	2027		
VI Wind Bundle 1	27	416	2025	2017	2017		
VI Wind Bundle 2	21	312	2025	2017	2017		
Peace Wind Bundle 3	74	1,366	2024	2017	2022		
Peace Wind Bundle 4	86	1,476	2025	2018	2024		
Peace Wind Bundle 5	74	1,195		2022			
Peace Wind Bundle 6	40	1,053		2025			
NIC Wind Bundle 1	17	217		2025			
Greenfield Combined Cycle Gas Turbine – 500 MW	479	2,940		2023			
Greenfield Combined Cycle Gas Turbine – 250 MW	236	1,450		2024			

Note: These resource options provide a guideline for the development of the Base and CRPs. Values will not exactly match the final plans.