

***Numerical Example of Ramping Losses on Gadsby 3 unit for March**

Unit ID	Startup time from Off-line Period	Hour Ending (MT)	Declared Available MW	Actual Hourly Generation	Hour Number from startup	Actual Difference between Avail & Hrly Generation	Cumulative Total of Differences	Comments	Reserve Allocation		
GAD-3	03/28/2007 12:14	03/28/2007 13:00	100	4	1			Hour 1 never qualifies because it is usually a partial hour and can never be at full load	(Hour Start PST) PER CCS 2.8		
		03/28/2007 14:00	100	30	2	70	70	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 12:00:00 11		
		03/28/2007 15:00	100	62	3	38	108	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 13:00:00 30		
		03/28/2007 16:00	100	64	4	36	144	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 14:00:00 30		
		03/28/2007 17:00	100	64	5	36	180	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 15:00:00 30		
		03/28/2007 18:00	100	64	6	36	216	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 16:00:00 30		
		03/28/2007 19:00	100	63	7	37	253	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 17:00:00 30		
		03/28/2007 20:00	100	48	8	52	305	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 18:00:00 30		
		03/28/2007 21:00	100	45	9	55	360	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 19:00:00 30		
		03/28/2007 22:00	100	39	10	61	421	Calculates as long as there is a 10% difference between Avail & Generated MW	28-Mar-07 20:00:00 30		
		03/28/2007 23:00	100	5	11	95	516	Partial Hour on-line, heading into Reserve Shutdown status	28-Mar-07 21:00:00 10		
		GAD-3	03/29/2007 13:12	03/29/2007 14:00	100	6	1			Hour 1 never qualifies because it is usually a partial hour and can never be at full load	3/29/07 12:00 PM 4
				03/29/2007 15:00	100	48	2	52	52	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 1:00 PM 11
03/29/2007 16:00	100			58	3	42	94	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 2:00 PM 21		
03/29/2007 17:00	100			59	4	41	135	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 3:00 PM 30		
03/29/2007 18:00	100			59	5	41	176	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 4:00 PM 30		
03/29/2007 19:00	100			58	6	42	218	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 5:00 PM 30		
03/29/2007 20:00	100			42	7	58	276	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 6:00 PM 30		
03/29/2007 21:00	100			47	8	53	329	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 7:00 PM 30		
03/29/2007 22:00	100			46	9	54	383	Calculates as long as there is a 10% difference between Avail & Generated MW	3/29/07 8:00 PM 30		
03/29/2007 23:00	100			5	10	95	478	Partial Hour on-line, heading into Reserve Shutdown status	3/29/07 9:00 PM 11		
Total MWH Lost =							994		487		

*The 48 months under consideration ended in June 2007. Therefore, the March periods contained within that 48 months were in years 2004, 2005, 2006 & 2007. All of the years prior to 2007 had Gadsby 3 unit on Reserve Shutdown during those complete months and therefore were not subjected to ramping losses.