

Winter Seasonal Shut Down (WSSD)

23 September 2009

Over the Years

(November 2004-March 2009)

Shut Down Year	Duration in Months	Start Date	Shut Down Type	Pattern	Pattern Explanation
2004-2005	2	Monday, November 1, 2004	Crossover	North/South	One side shut down at a time for 2 months then reactivated. The North side is defined as North of Altamont Pass Rd; South side is defined as South of I-580 and South of Altamont Pass Rd.
2005-2006	2	Tuesday, November 1, 2005	Crossover	North/South	One side shut down at a time for 2 months then reactivated. The North side is defined as North of Altamont Pass Rd; South side is defined as South of I-580 and South of Altamont Pass Rd.
2006-2007	2	Wednesday, November 1, 2006	Crossover	South/North	One side shut down at a time for 2 months then reactivated. The North side is defined as North of Altamont Pass Rd; South side is defined as South of I-580 and South of Altamont Pass Rd.
2007-2008	2	Thursday, November 1, 2007	Universal	Staggered	All non-monitored turbines were shut down together for 2 months then reactivated. Monitored turbines were shut down as they were searched and reactivated after 2 months.
2008-2009	3	Saturday, November 1, 2008	Universal	Staggered	All non-monitored turbines were shut down together for 3 months then reactivated. Monitored turbines were shut down as they were searched and reactivated after 3 months.

Case Study:

Winter Seasonal Shutdown
process for 2008-2009

MTEAM Schedule - Sample

South Side

<u>Gate</u>	<u>Plot #</u>	<u>String #</u>	<u>Turbine #s</u>	<u># in String</u>	<u>Date Searched</u>
PP	145	458	106-110	5	Searched 10/31?
		458	111-113	3	Searched 10/31?
		459	323-324	2	Searched 10/31?
PP	137	444	299-300	2	Searched 10/31?
		445	301-305	5	Searched 10/31?
		446	306-308	3	Searched 10/31?
		447	309-314	6	Searched 10/31?
		448	315-322	8	Estimated start Nov 3

Altamont Infrastructure Co. (AIC)

- As a reminder, AIC is made up of the three operating companies who own Kenetech type turbines:
 - NextEra Energy Resources, *formerly FPL Energy* (Managing Partner for AIC)
 - Altamont Winds Inc.
 - enXco Service Corporation

How do the companies respond to the Monitoring Team request?

- AIC
- AES Wind Generation (*SeaWest Power Resources*)
- enXco for DifWind and Patterson Pass projects
- WindWorks for the WEG project

How do the companies validate that they have fulfilled the Monitoring Team request?

- AIC
- AES Wind Generation (*SeaWest Power Resources*)
- enXco for DifWind and Patterson Pass projects
- WindWorks for the WEG project

How do the companies identify and explain anomalies?

- AIC
- AES Wind Generation (*SeaWest Power Resources*)
- enXco for DifWind and Patterson Pass projects
- WindWorks for the WEG project

Conclusion