

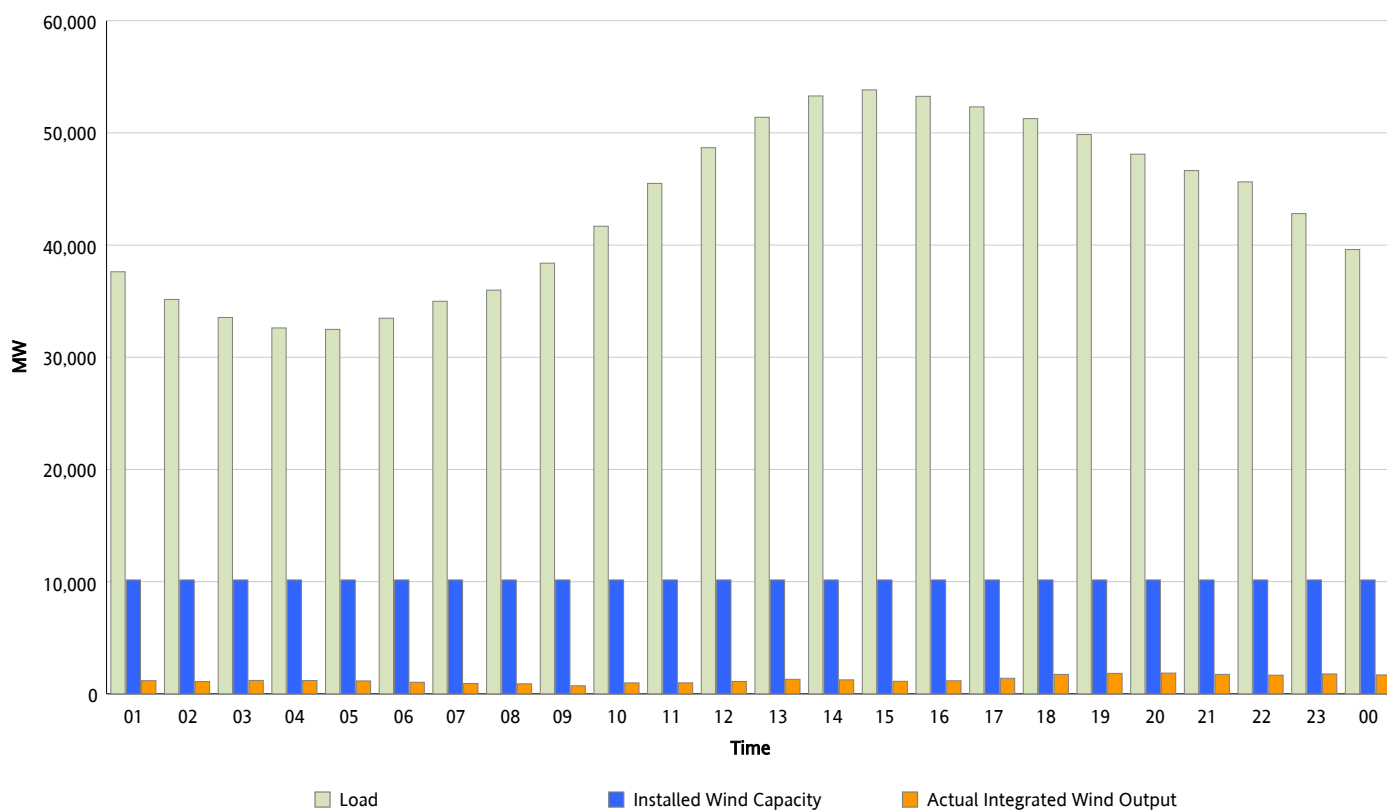


## ERCOT Grid Operations

### Wind Integration Report : 07/19/2013

Peak Load	53,832 MW
Load Peak Hour (HE)	15
Wind Over Peak	1,121 MW
Wind Record 05/02/13	9,674 MW
Max Wind Value*	1,915 MW
Wind Peak Time	19:17
Wind Integration %	3.95 %

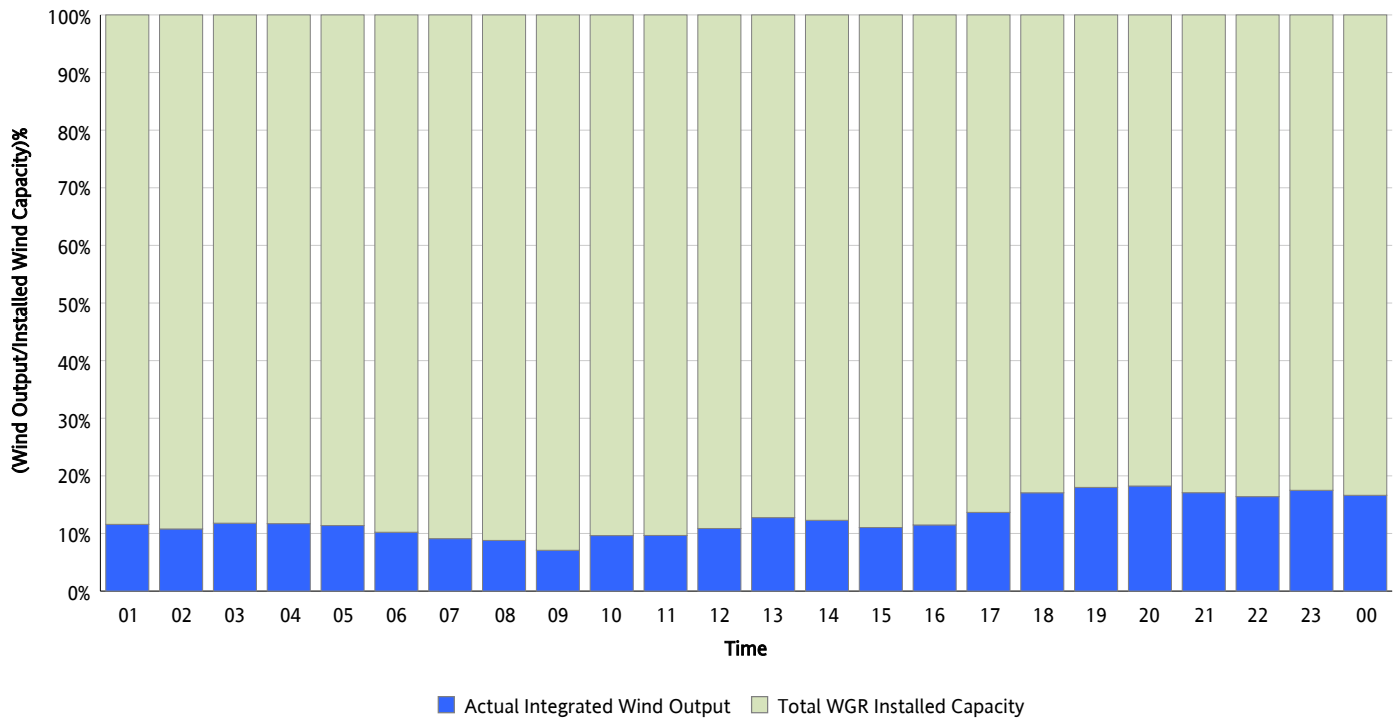
**Hourly Average Actual Load vs. Actual Wind Output**  
07/19/2013



\* Wind Record and Wind Max represent instantaneous values and the rest of the values are integrated over the hour

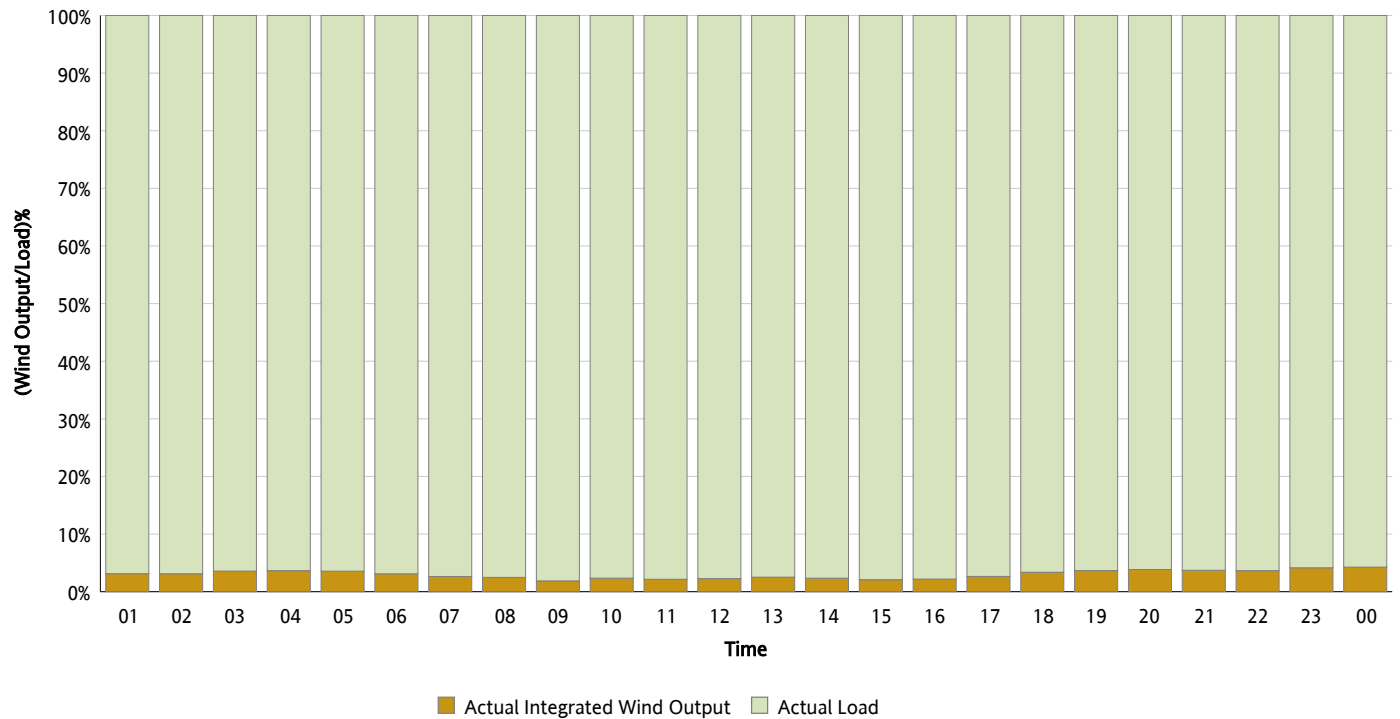
## Actual Wind Output as a Percentage of the Total Installed Wind Capacity

07/19/2013



## Actual Wind Output as a Percentage of the ERCOT Load

07/19/2013



## ERCOT Load vs. Actual Wind Output

07/12/2013 - 07/19/2013

