

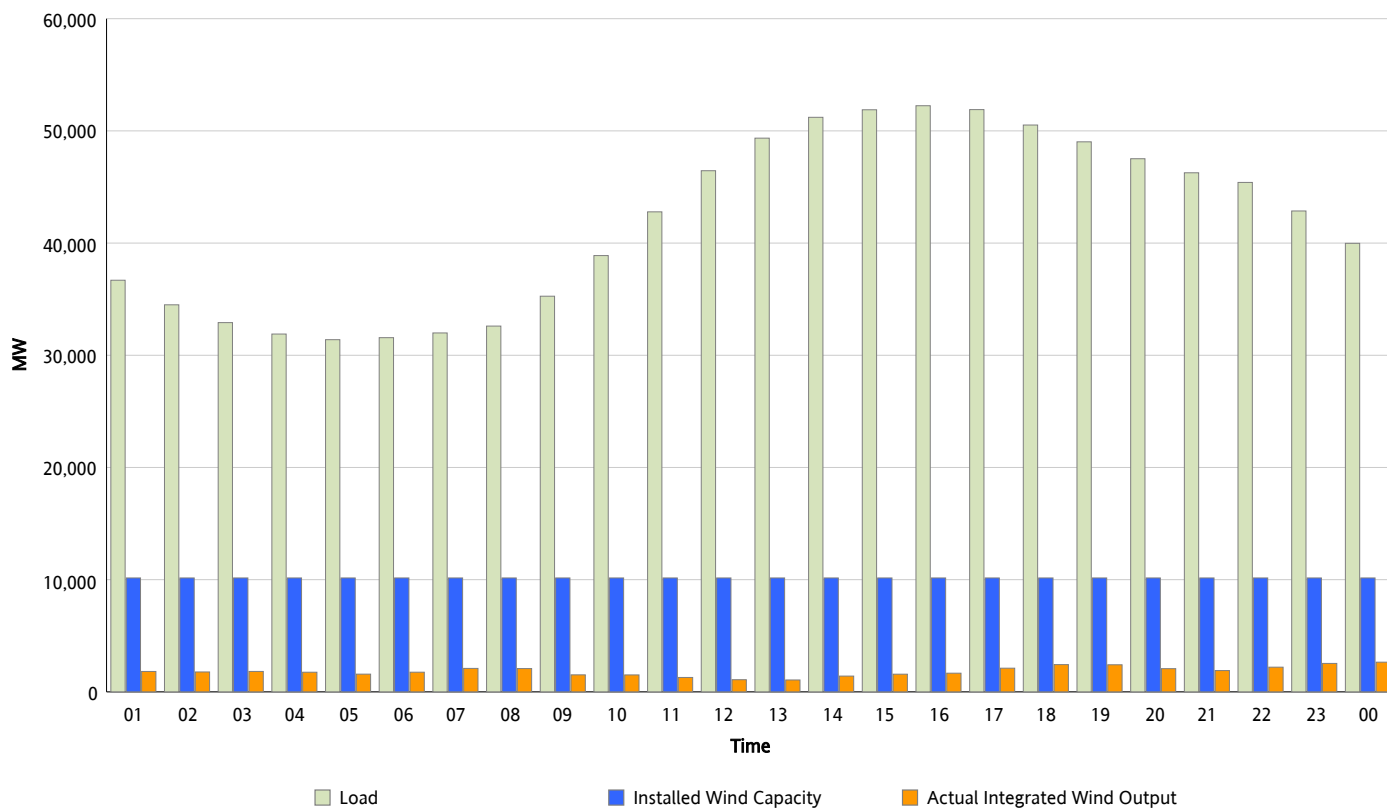


## ERCOT Grid Operations

### Wind Integration Report : 07/20/2013

Peak Load	52,243 MW
Load Peak Hour (HE)	16
Wind Over Peak	1,665 MW
Wind Record 05/02/13	9,674 MW
Max Wind Value*	2,699 MW
Wind Peak Time	23:00
Wind Integration %	6.51 %

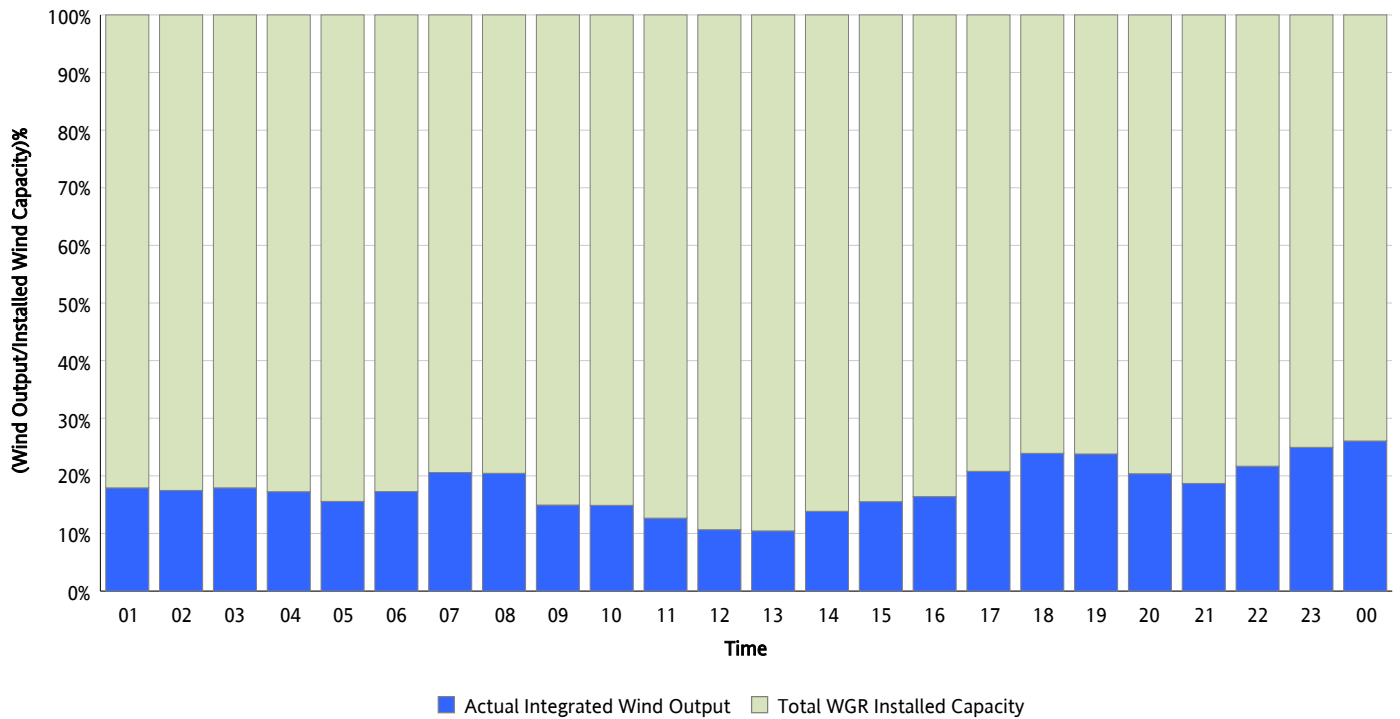
**Hourly Average Actual Load vs. Actual Wind Output**  
**07/20/2013**



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

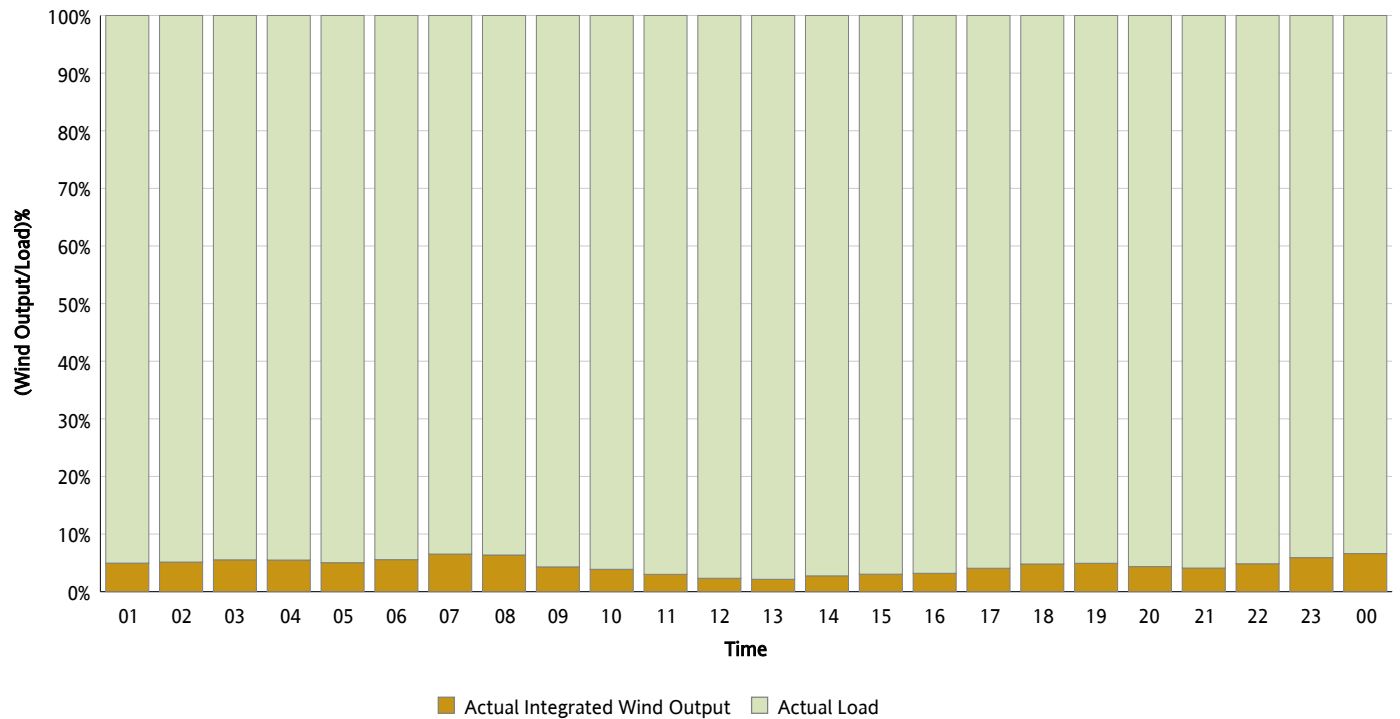
## Actual Wind Output as a Percentage of the Total Installed Wind Capacity

07/20/2013



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

07/20/2013



## ERCOT Load vs. Actual Wind Output

07/13/2013 - 07/20/2013

