

$$\text{Marginal Cost} = \text{fuel cost} * \text{slope}$$

Coal plant

hydro plant

RE plant

gas plant

Coal  
hydro  
RE  
gas

Plant	( $\$/\text{MW}$ ) Marginal cost	( $\text{MW}$ ) Installed capacity
1	50	30
2	70	70
3	20	100
4	35	50
5	45	40
:	:	:
:	:	:
:	:	:
32	15	20

Plant	Ranked marginal cost	Installed capacity (MW)	Cummulative installed capacity (MW)
32	15	20	20
3	20	100	120
4	35	50	170
5	45	40	210
1	50	30	240
2	70	70	310
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