

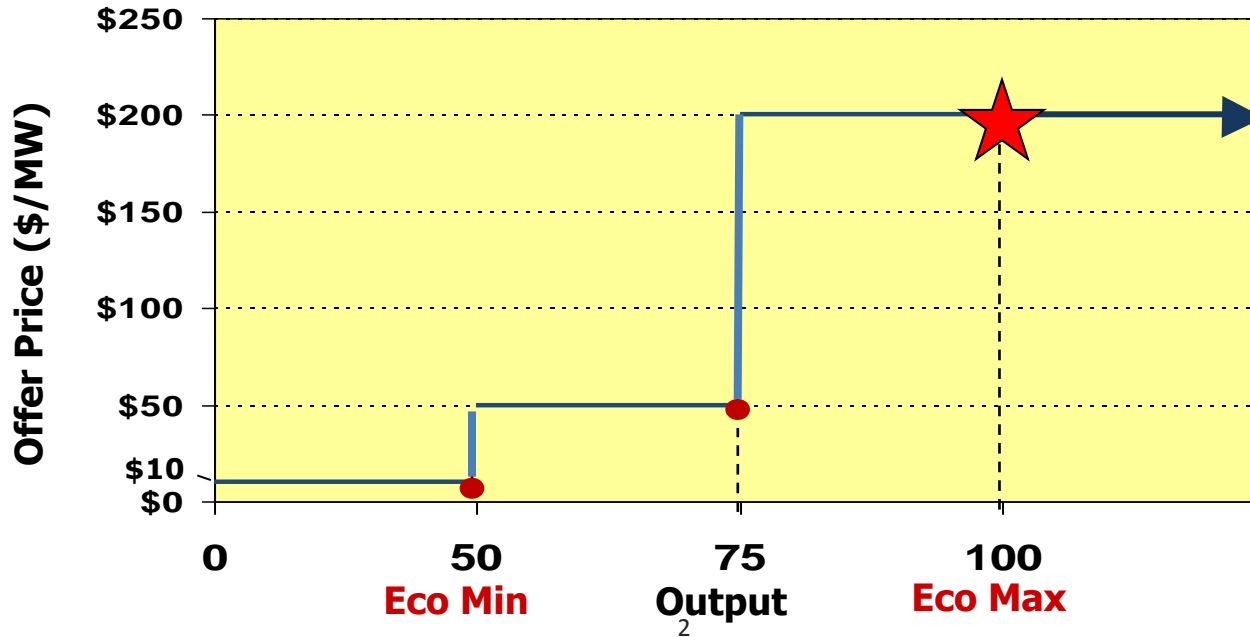
Calculate Area Under Offer Curve



PJM State & Member Training Dept.

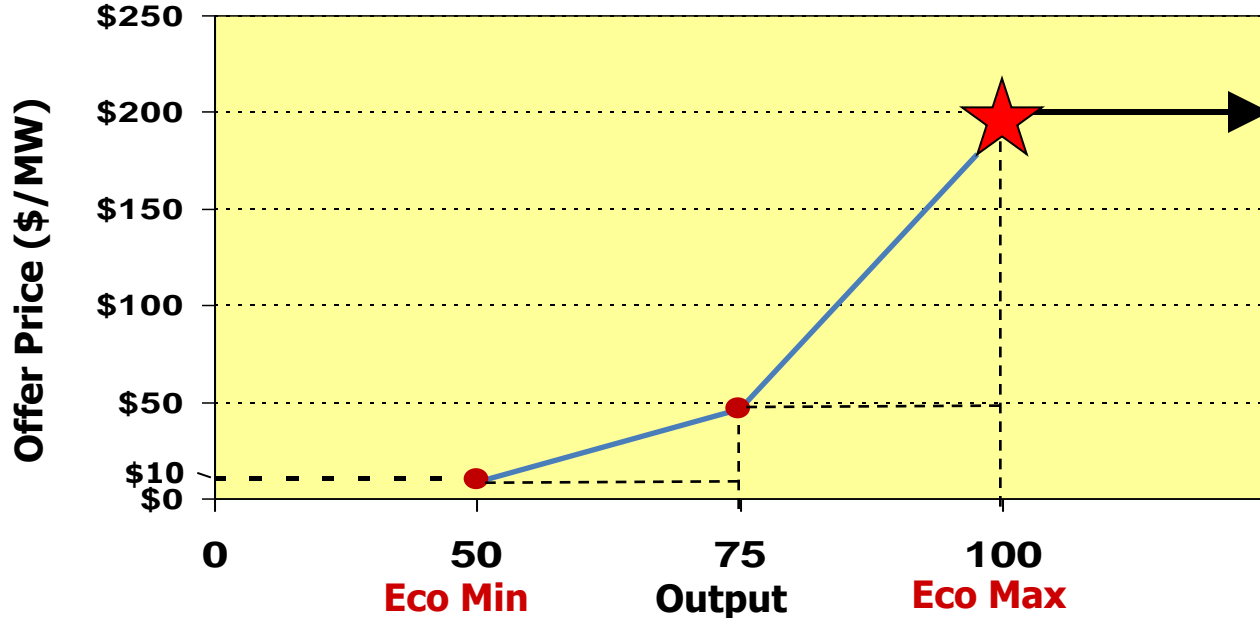
Generator Offer Curve – Using Block Offer

- Block Offer rather than a Slope Offer curve
 - (i.e. Use Slope field in Markets Gateway is unchecked)
- The block offer is a step function rather than a line with a slope

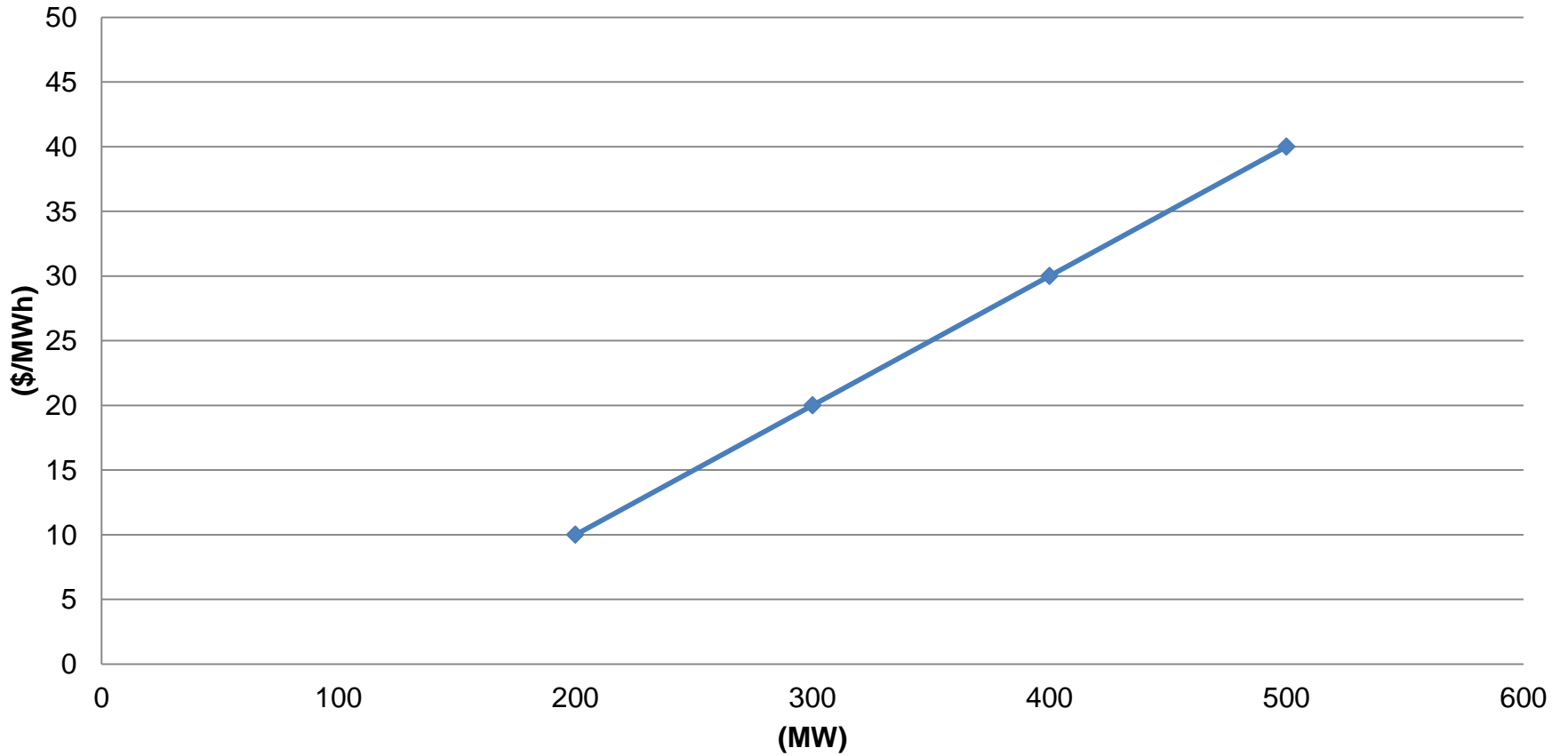


Generator Offer Curve – Using Slope Offer Curve

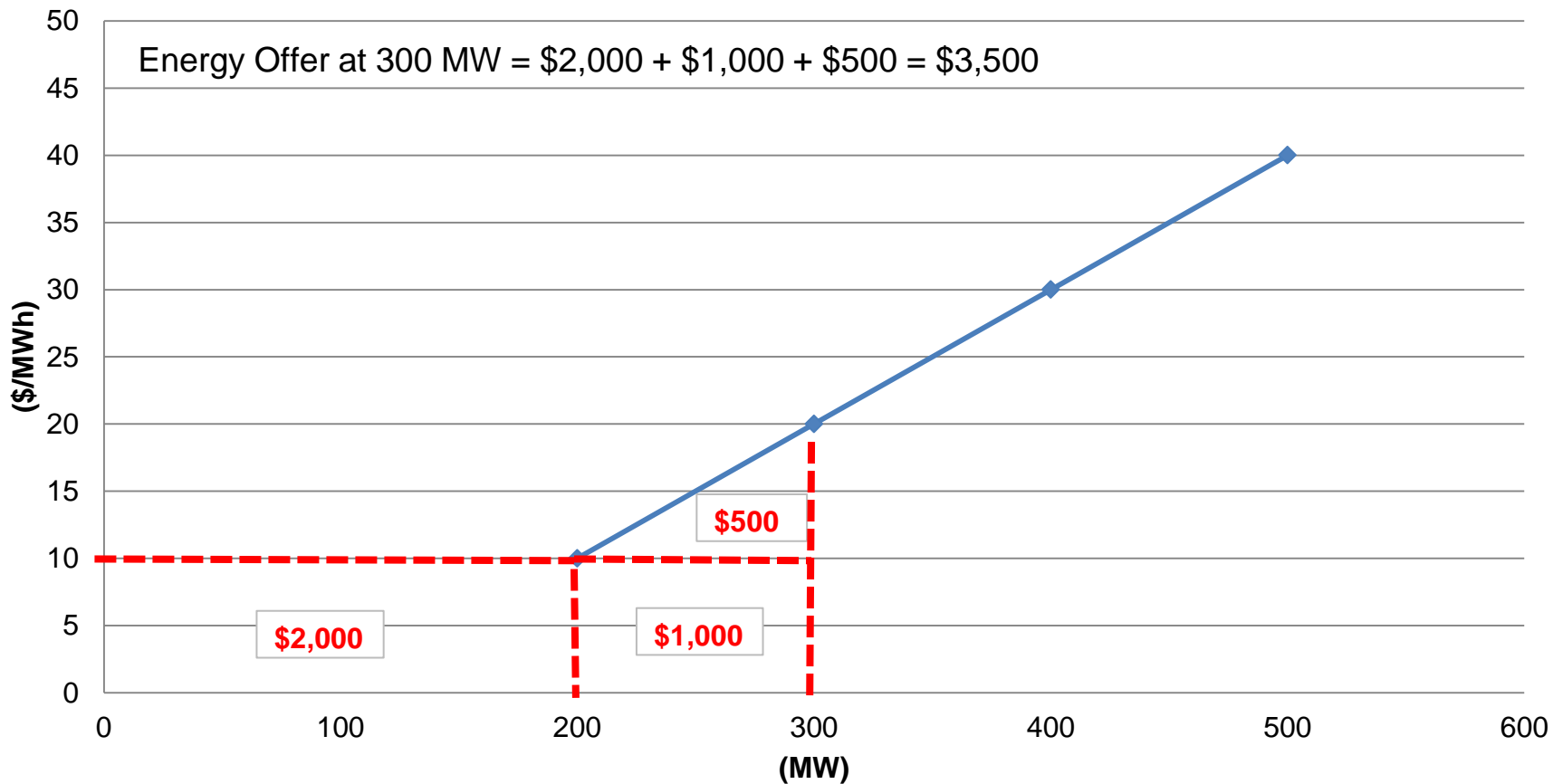
- Slope Offer Curve rather than an Block curve
 - (i.e. Use Slope field in Markets Gateway is checked)
- The Slope Offer Curve is a straight line connected to the offer points



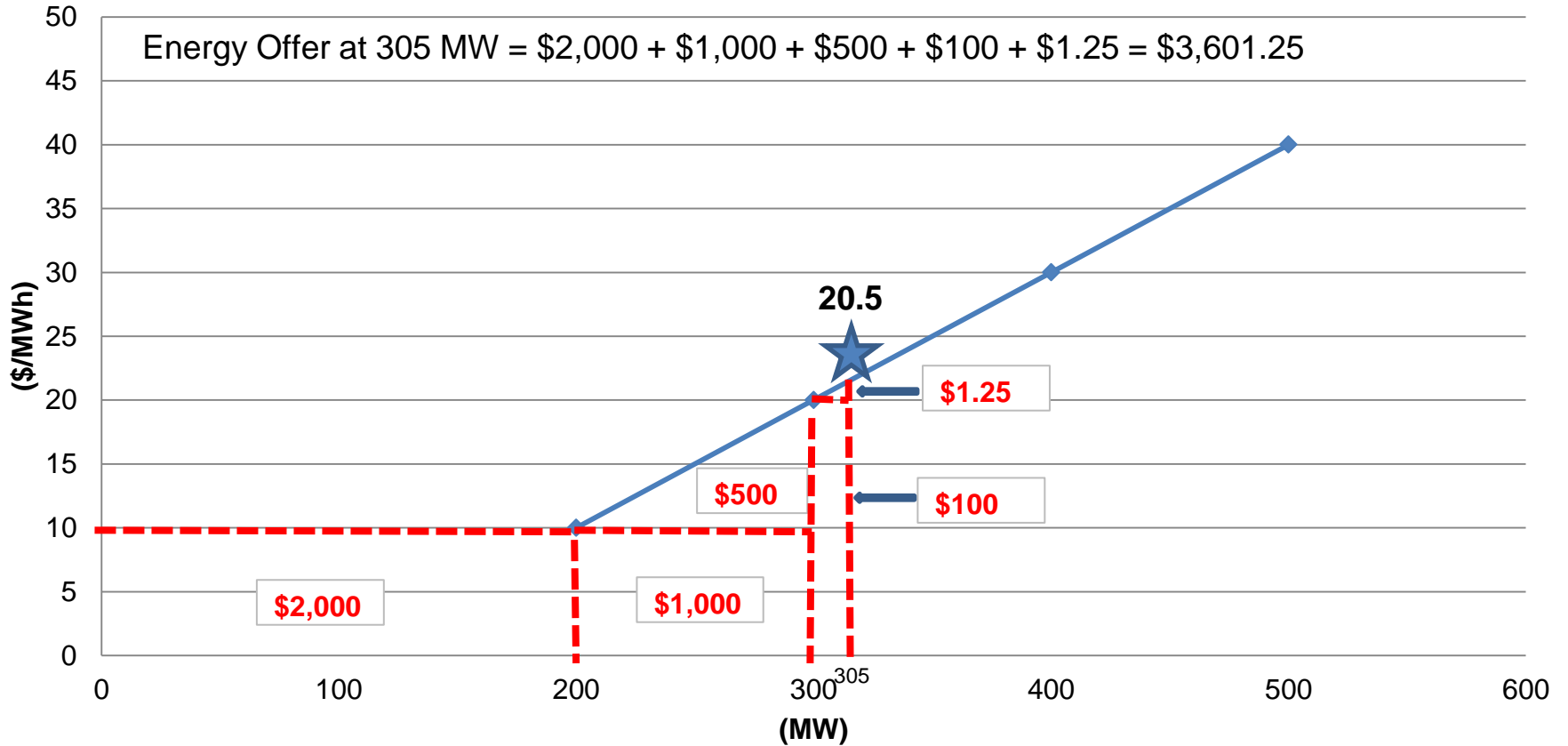
Offer Curve



Energy Offer



Energy Offer



Linear Interpolation

$$\text{Slope} = m = d(y)/d(x)$$

$$m = (30-20)/(400-300) = 0.1$$

Therefore:

$$0.1 = (y_1-20)/(305-300)$$

$$0.5 = y_1-20$$

$$Y_1 = \mathbf{20.5}$$

Questions?

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The Member Community is PJM's self-service portal for members to search for answers to their questions or to track and/or open cases with Client Management & Services