

## QUIZ

1. Continuous process facilities (facilities with consistent demand profiles) are expected to have more charge and discharge cycles of an energy storage system (ESS) to flatten the demand?  
☐ True  
☐ False
2. Intermittent process facilities are expected to have higher capacity ESSs?  
☐ True  
☐ False
3. The ES capacity (kWh) and number of cycles depends on the ESS selection?  
☐ True  
☐ False
4. Flywheel ES (FES) is the most cost-effective demand reduction (DR) solution?  
☐ True  
☐ False
5. Which of the following ESSs has the highest energy and power density (smallest volume when installed at the same DR/capacity)?  
☐ Li-ion ES  
☐ Supercapacitor ES  
☐ Flywheel ES  
☐ Pumped hydro ES
6. Larger ESSs (larger DR) result in flatter demand profiles?  
☐ True  
☐ False
7. Flatter demand profiles allow power generation plants to operate at their highest efficiency because there is less ramping to satisfy unpredictable demand?  
☐ True  
☐ False