

# Chapter 1

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## Fundamentals

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### Chapter Objectives

When you have finished Chapter 1, “Fundamentals,” you should be able to do the following:

1. Understand the meaning of the terms force, friction, torque, rpm, work, and power as they relate to the industry.
2. Understand how the principle of conservation of energy applies to power transmission.
3. Identify losses in a system given the efficiency of the components.
4. Quantify the important parameters using the basic equations of power transmission.