

# Scheme analysis of air conditioning systems energy saving

## The action plan

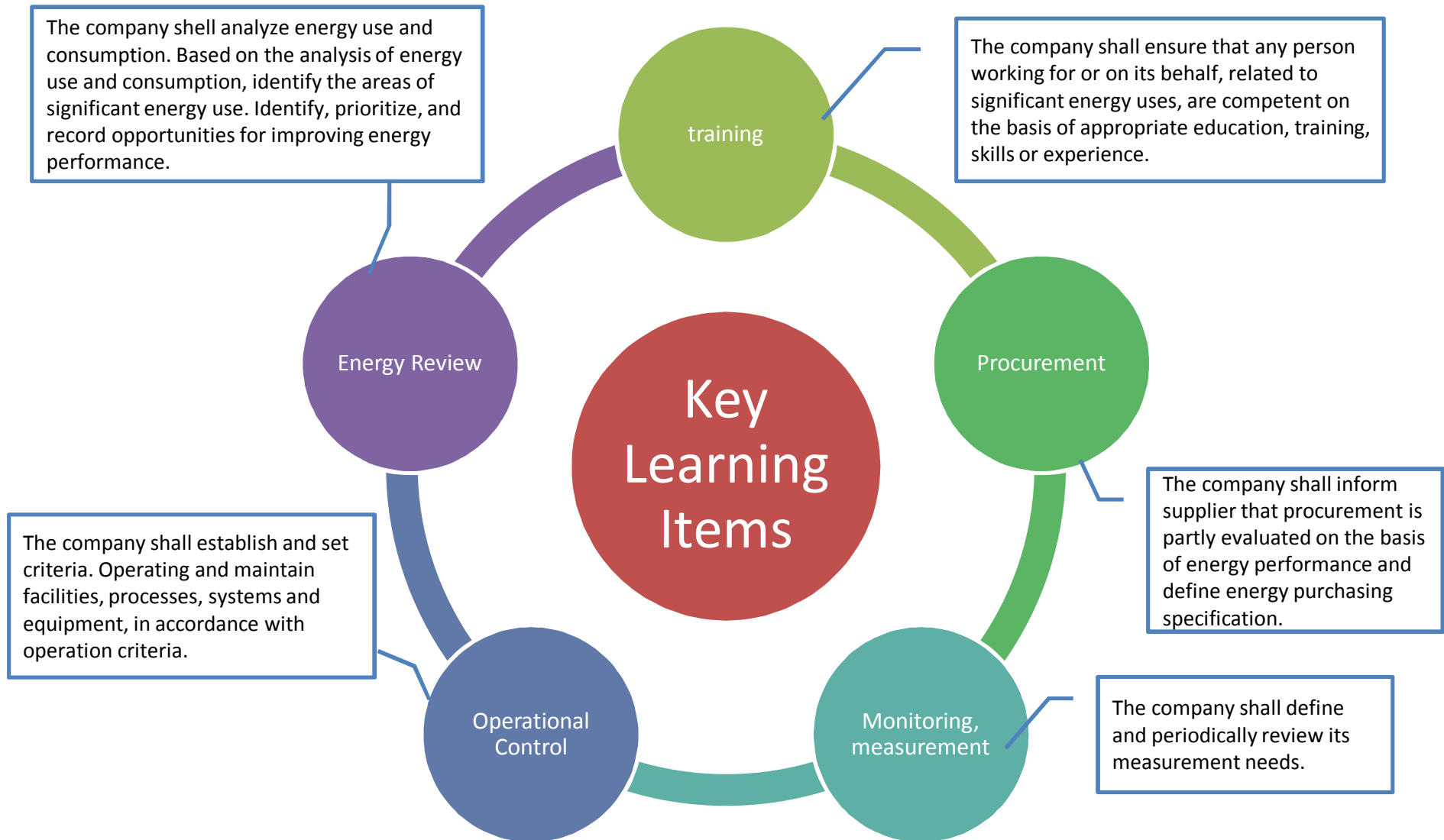
*October 9, 2014*

*Presented By: Shahid Shoukat*

# *Background*

- 'A' company is highly involved in transportation and distribution of gaseous energy.
- The company supply gaseous Energy to industrial, commercial and domestic consumers use for their process and power generation.
- Now a days I m working on deputation and advising National assembly of Pakistan on energy issues.

# The key improvement Items



<b>Innovation Theme :</b> <b>Saving 50% air conditioning systems energy use</b>	<b>Reason selecting for Innovation Theme</b> <b>air conditioning systems is the significant energy use</b>	<b>Process Plan</b> <b>1. 1.Purchase High efficiency Chiller</b> <b>2. Monitoring, measurement</b>
--	---	--

<b>Challenge</b> <b>1. Unable to verify the performance of the high efficiency energy saving.</b> <b>2. No related purchases of high efficiency chiller specification.</b> <b>3. Chiller equipment operators do not the awareness of continual improvement.</b>	<b>Plan for Innovation</b> <b>1. Establish and implement the criteria for assessing energy use over the planned or expected operating lifetime when procuring energy using products and equipment.</b> <b>2. Establish the EnPI of air conditioning systems, evaluation of actual versus expected energy consumption.</b> <b>3. Use power monitoring system to ensure that the key characteristics of its operations that determine energy performance are monitored.</b> <b>4. Establish air conditioning systems Standard Operating Procedures.</b> <b>5. Improve equipment operators the relevant knowledge of energy management .</b>
--	--