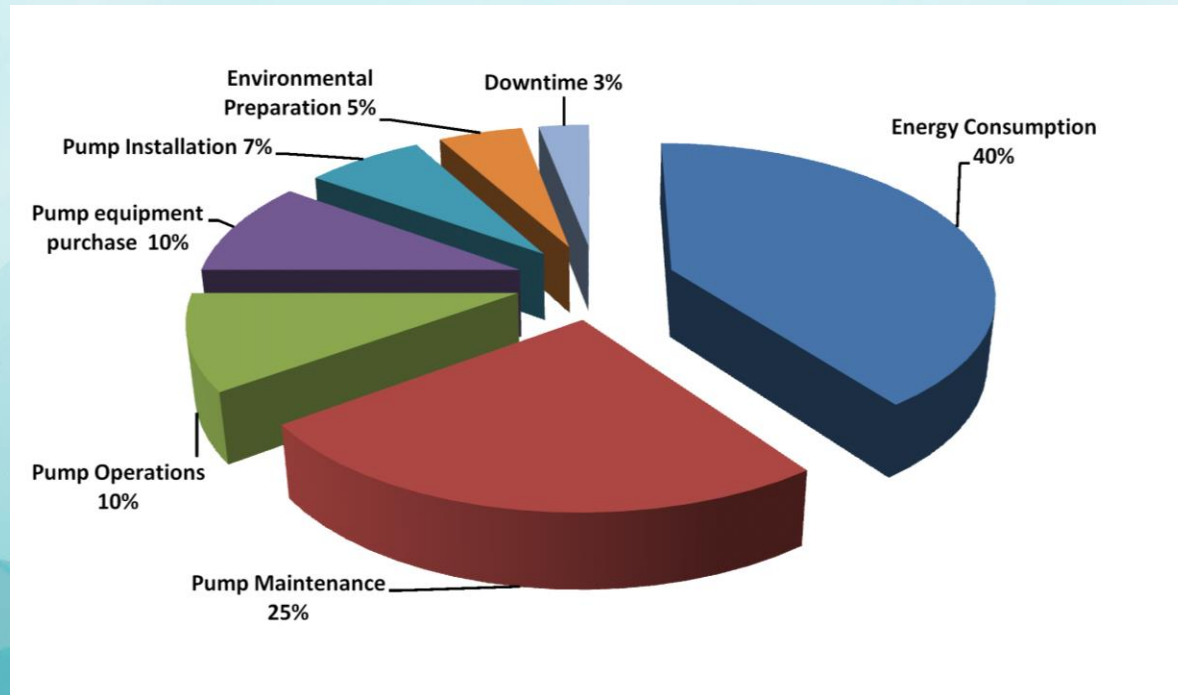


# Considerations for total cost of ownership (TCO) of your next pumping system

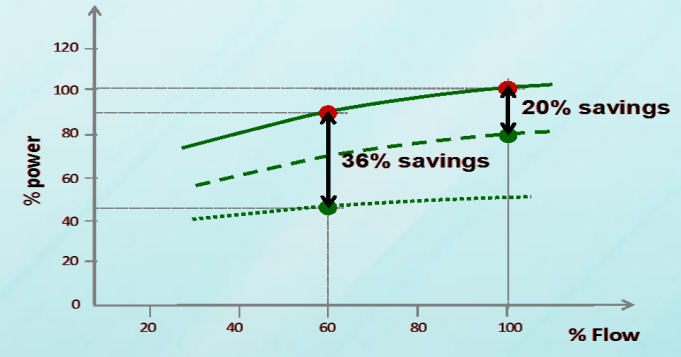
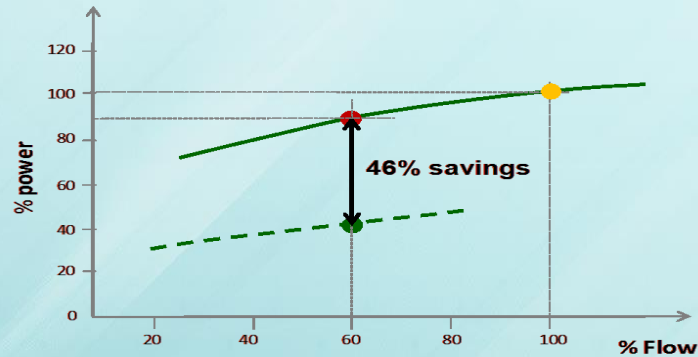
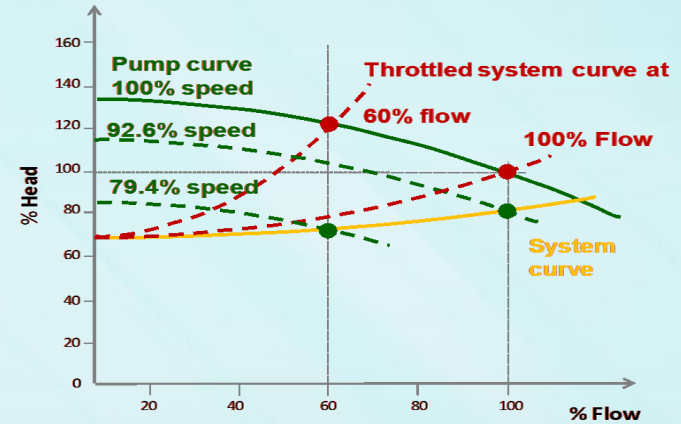
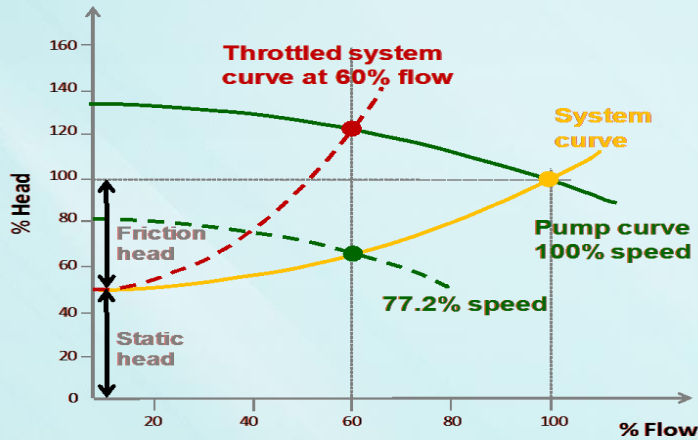


# 3 Steps to the Most Efficient... Design and Operation

1. Energy efficiency management
2. Asset management
3. Energy cost management



# Step 1 Energy Efficiency Management

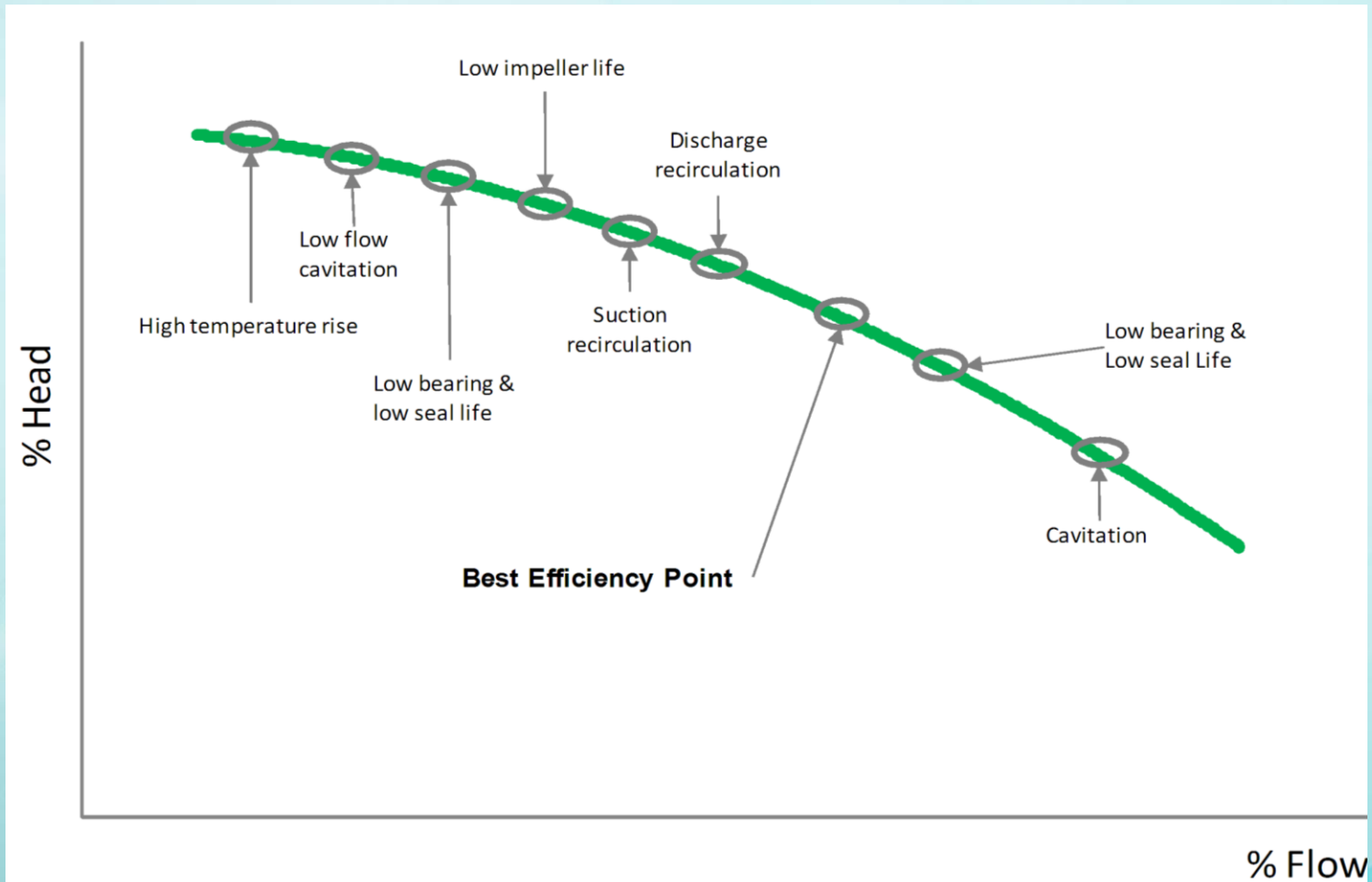


Scenario 1  
Static head = 50% system head  
Pump rated for the system

Scenario 2  
Static head = 85% system head  
Pump oversized for the system

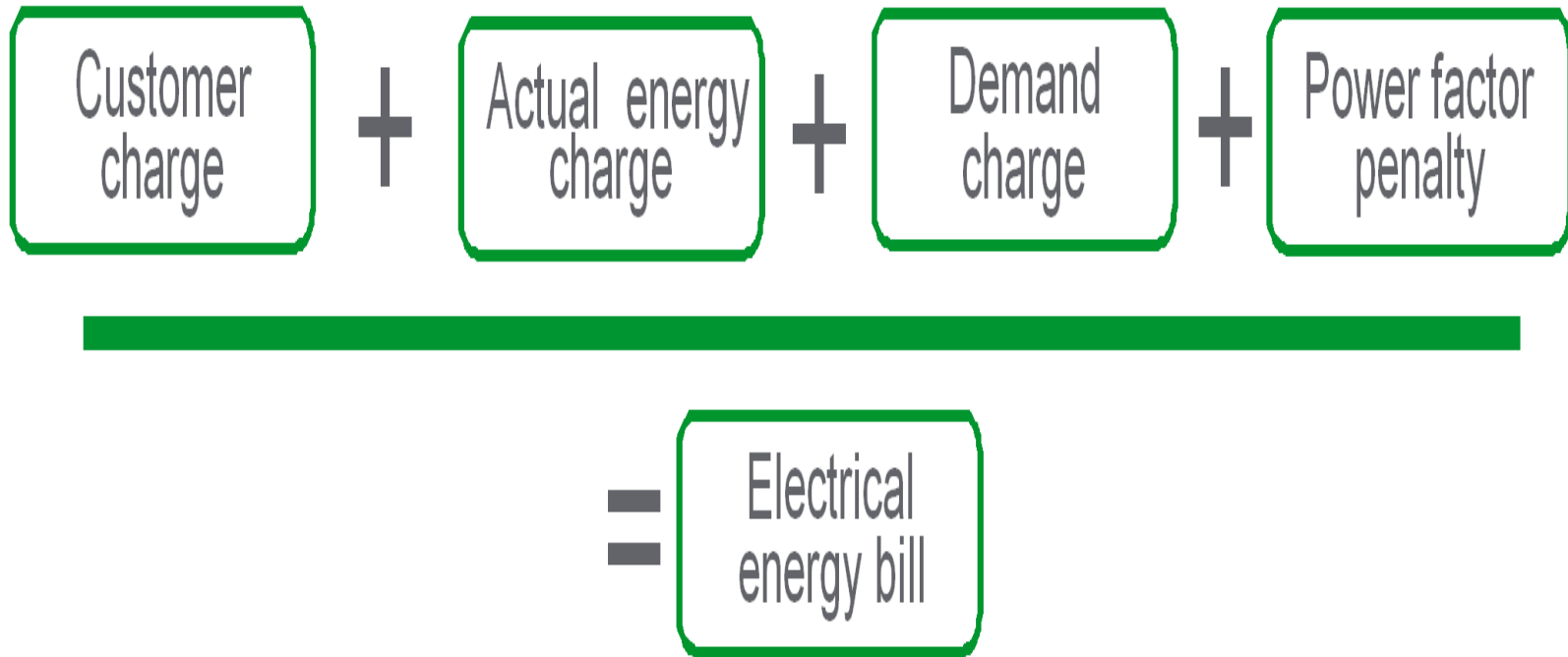
Energy saved with variable vs. fixed speed drives at 100% and 60% flow, according to the static head and pump sizing. The operating point is represented as the intersection of the pump curve with the system curve.

# Step 2 Asset Management



Newer Drive technology can significantly improve efficiency and life of your next pump system by operating close to Best Efficiency Point (BEP).

# Step 3 Energy Cost Management



Knowing the breakdown of your electric utility costs may uncover opportunities for savings. Drives can assist to reduce all aspects of this cost.