

# Water Efficiency

Is there more to Energy Efficiency than VFDs and new pumps?

2022 SPEER Policy + Industry Workshop

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The message is that Energy  
Efficiency is Capital Intensive

Pumps  
Frequency Drives

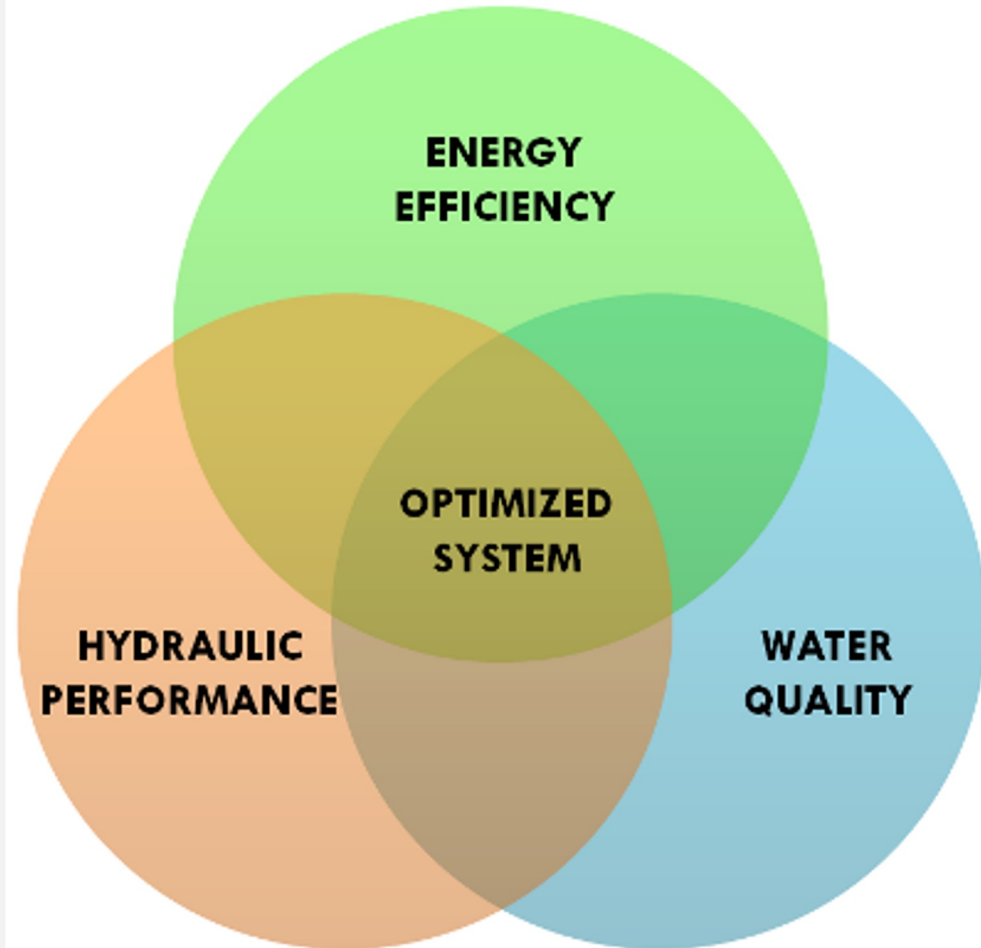
High Efficiency  
Motors  
More Pumps  
Pressure Zones, etc.

As much as 40 percent of  
operating costs for drinking  
water systems can be for energy

“For most systems, the biggest gains towards energy efficiency are behavioral.”

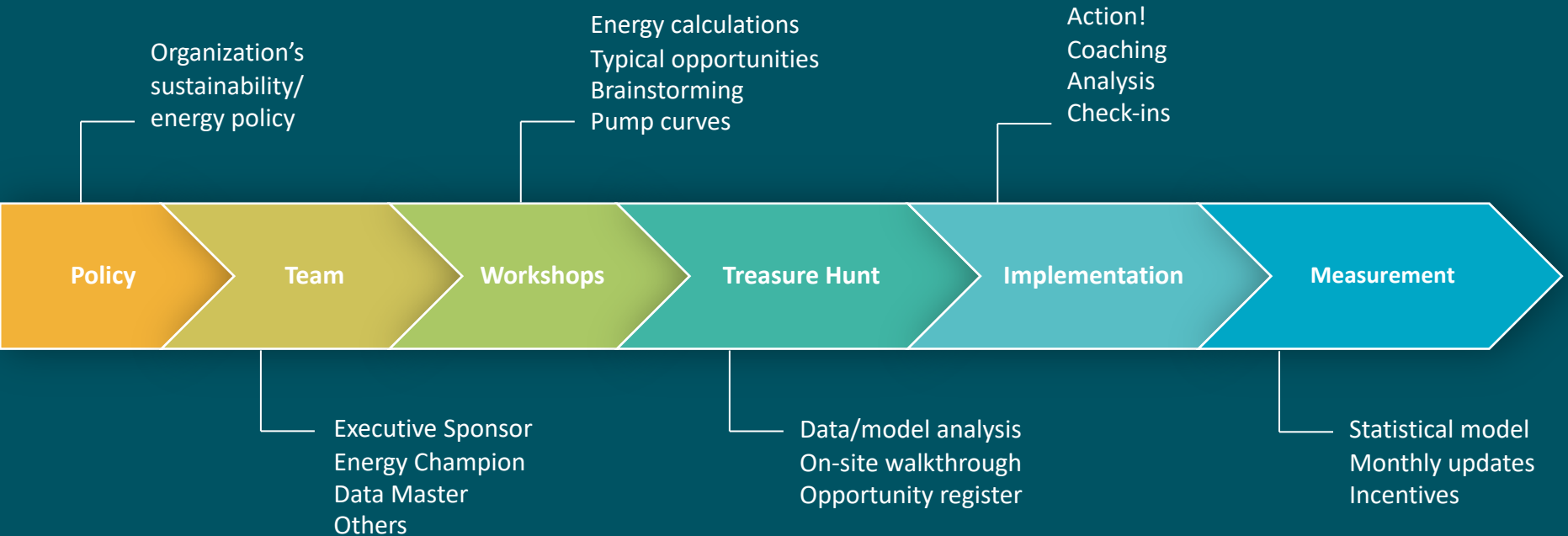
-Matt Jensen, SPEER Policy +  
Industry Workshop (2022)

## Strategic Energy Management



Graphic by Steve Jones, HAL

# SEM Process





Policy

Team

Workshops

Treasure Hunt

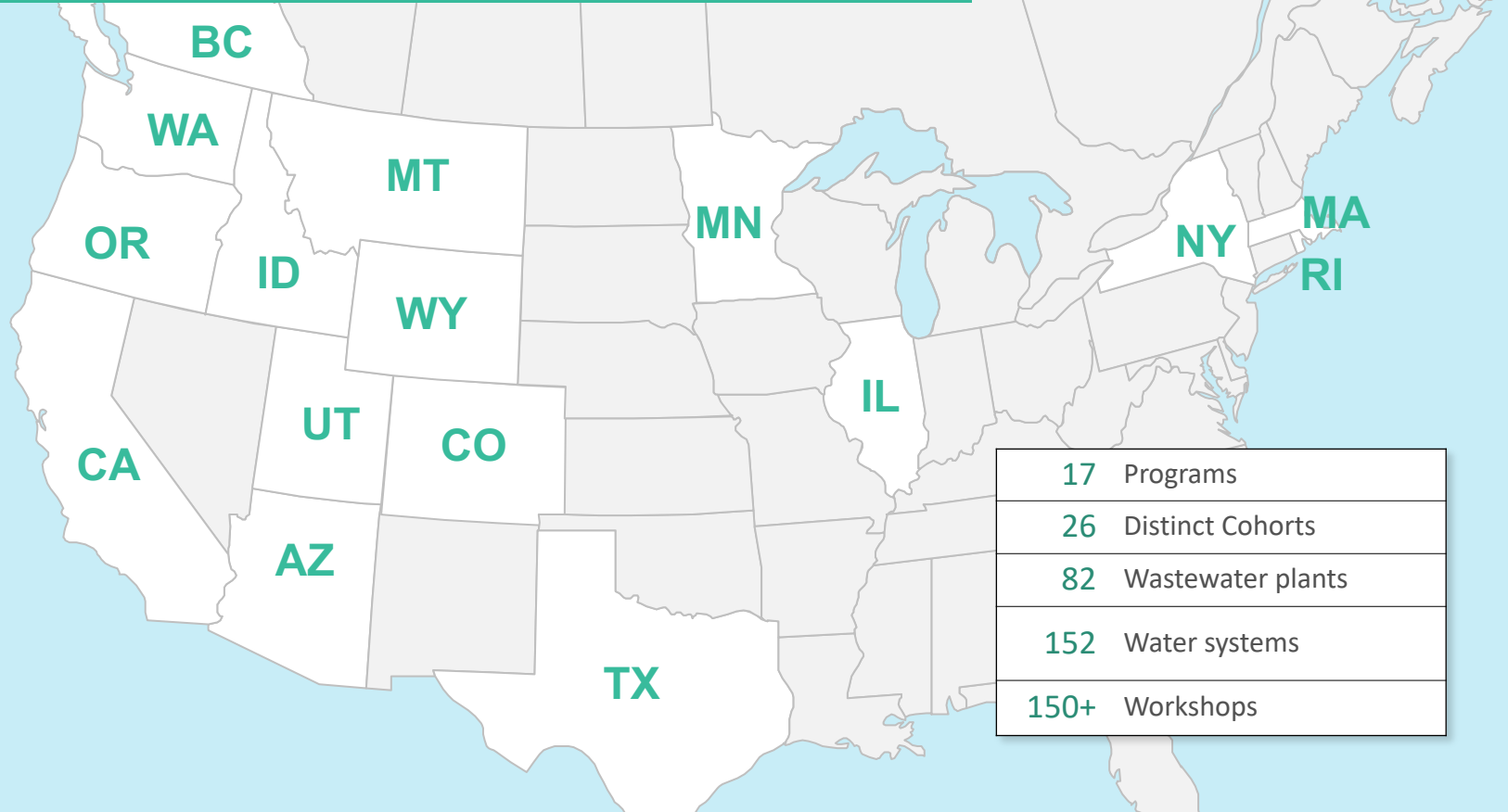
Implementation

Measurement

- 
- Off-site modeling and analysis
  - On-site walkthrough and brainstorming

- Source Selection
  - 5 L's
    - Leaping
    - Looping
    - Leaking
    - Loading
    - Losing
- HIGH

# Our Water/Wastewater SEM Experience



17 Programs

26 Distinct Cohorts

82 Wastewater plants

152 Water systems

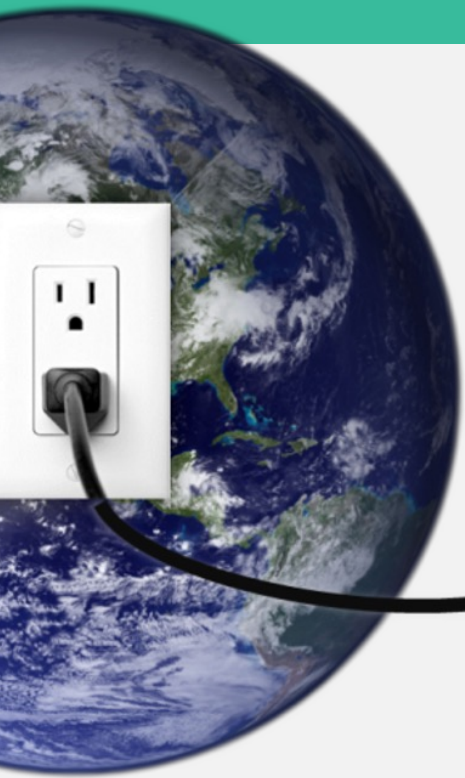
150+ Workshops

The background image shows a scenic view of a river or canal. On the left, there are large, leafy green trees. In the foreground, there are several colorful umbrellas (red, yellow, blue, green) and tables, suggesting an outdoor cafe or market area. In the background, there are several buildings, including a large, multi-story brick building with many windows and a smaller white building. The sky is clear and blue.

# **SAWS Strategic Energy Management Engagement A Tale in Transition**

**-Partially Written by: Chris Wilcut & Matt Jensen**





# Panel Questions?

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