



2025 Energy Report

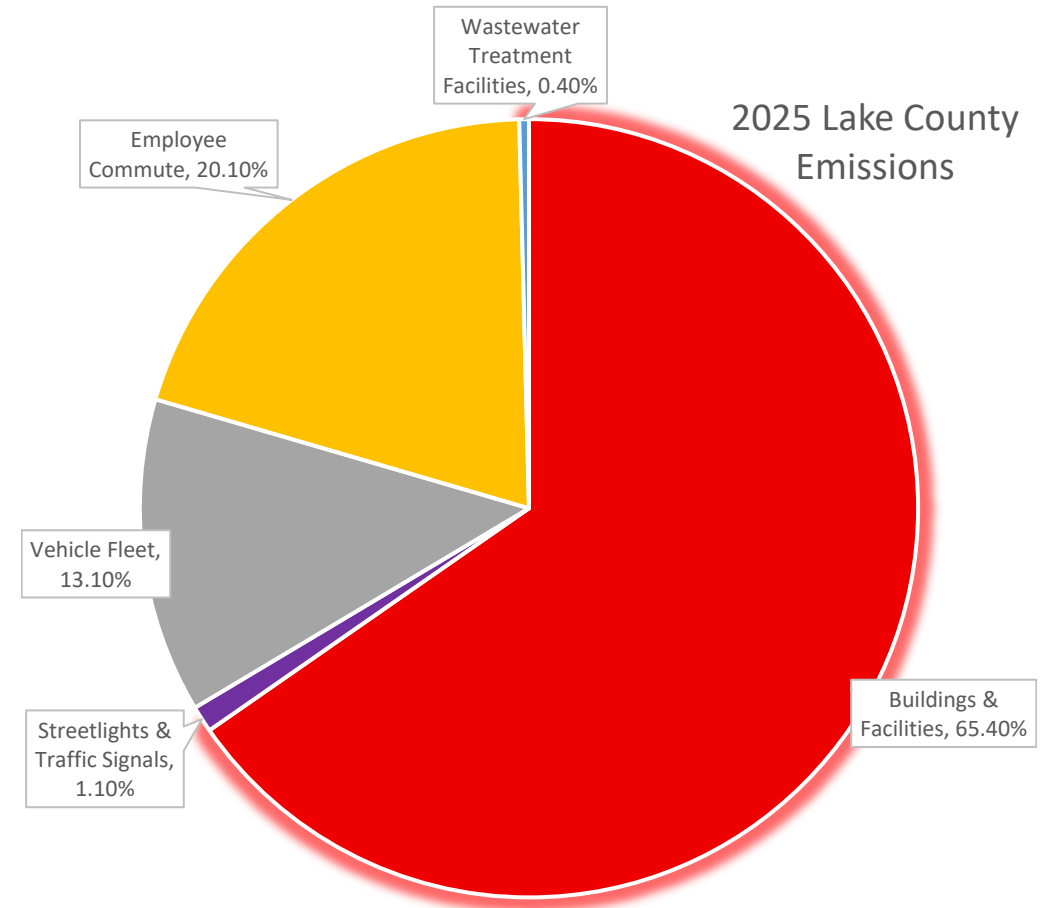
Karl Fuchs

Energy Program Manager

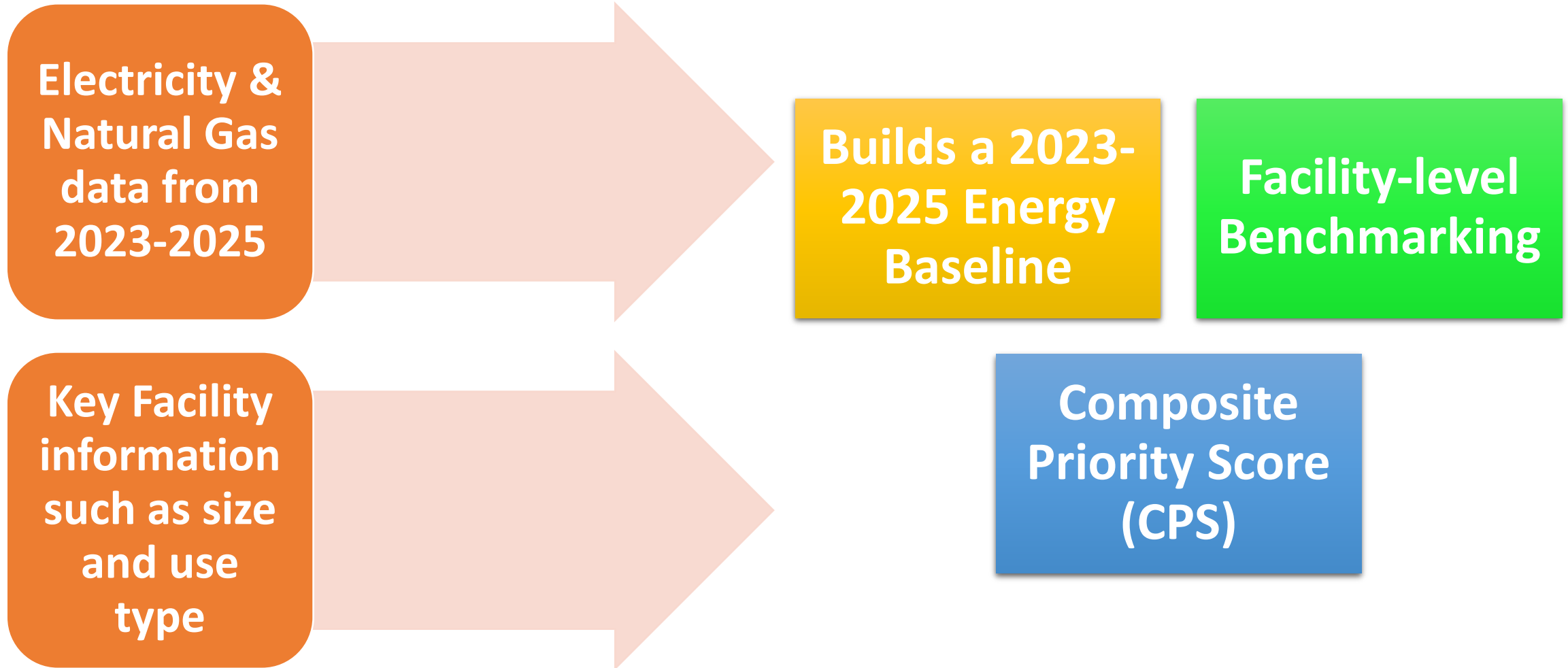
7/8/2026

Why This Matters

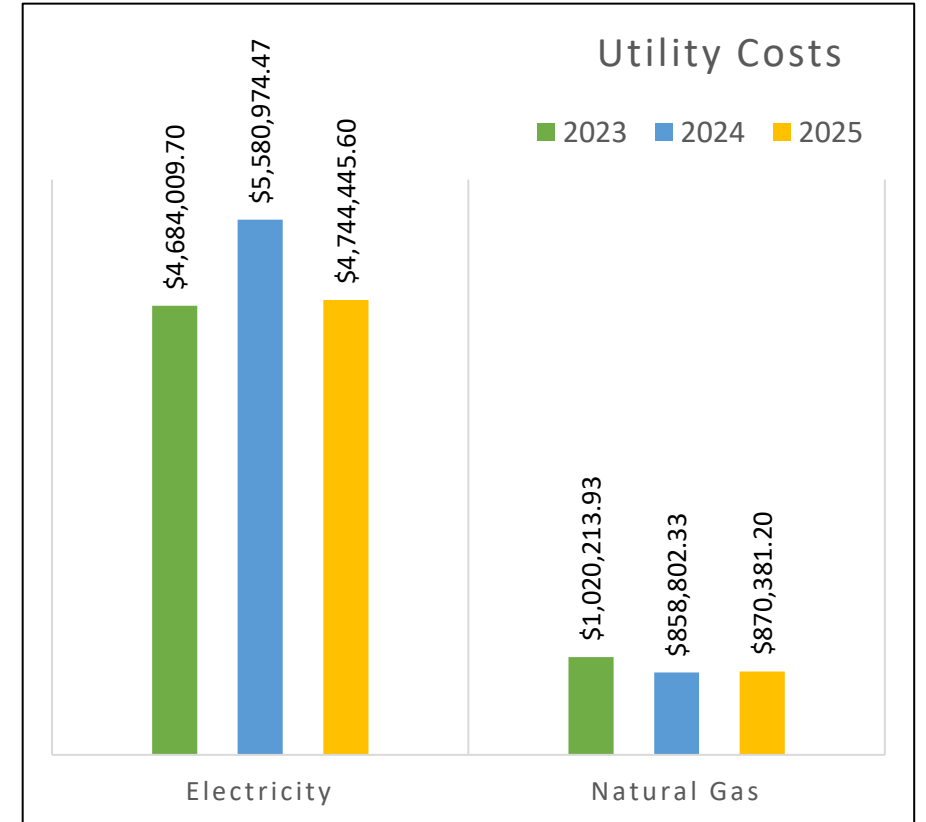
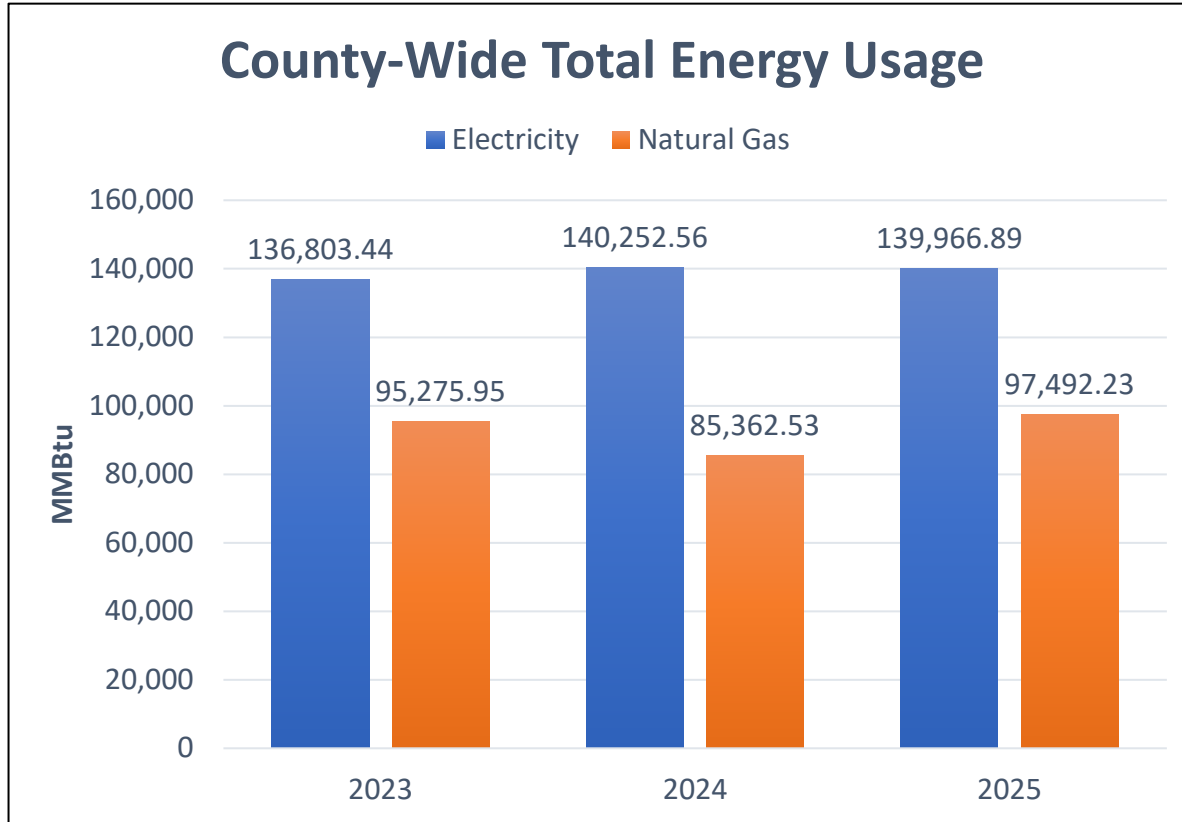
- At its Sept. 8th, 2020, meeting, the Lake County Board approved a resolution committing Lake County government operations to the goal of attaining net zero greenhouse gas emissions from its 2014-2017 baseline.
- The resolution commits Lake County to the following:
 - **By the year 2030, reducing greenhouse gas emissions from its operations by 50%, and achieving at least a 60% diversion rate of recyclables and organics from its own waste stream**
 - **By the year 2040, procuring 100% renewable energy, reducing greenhouse gas emissions by 90% or more, and achieving at least a 90% diversion rate of recyclables and organics**



What This Report Does

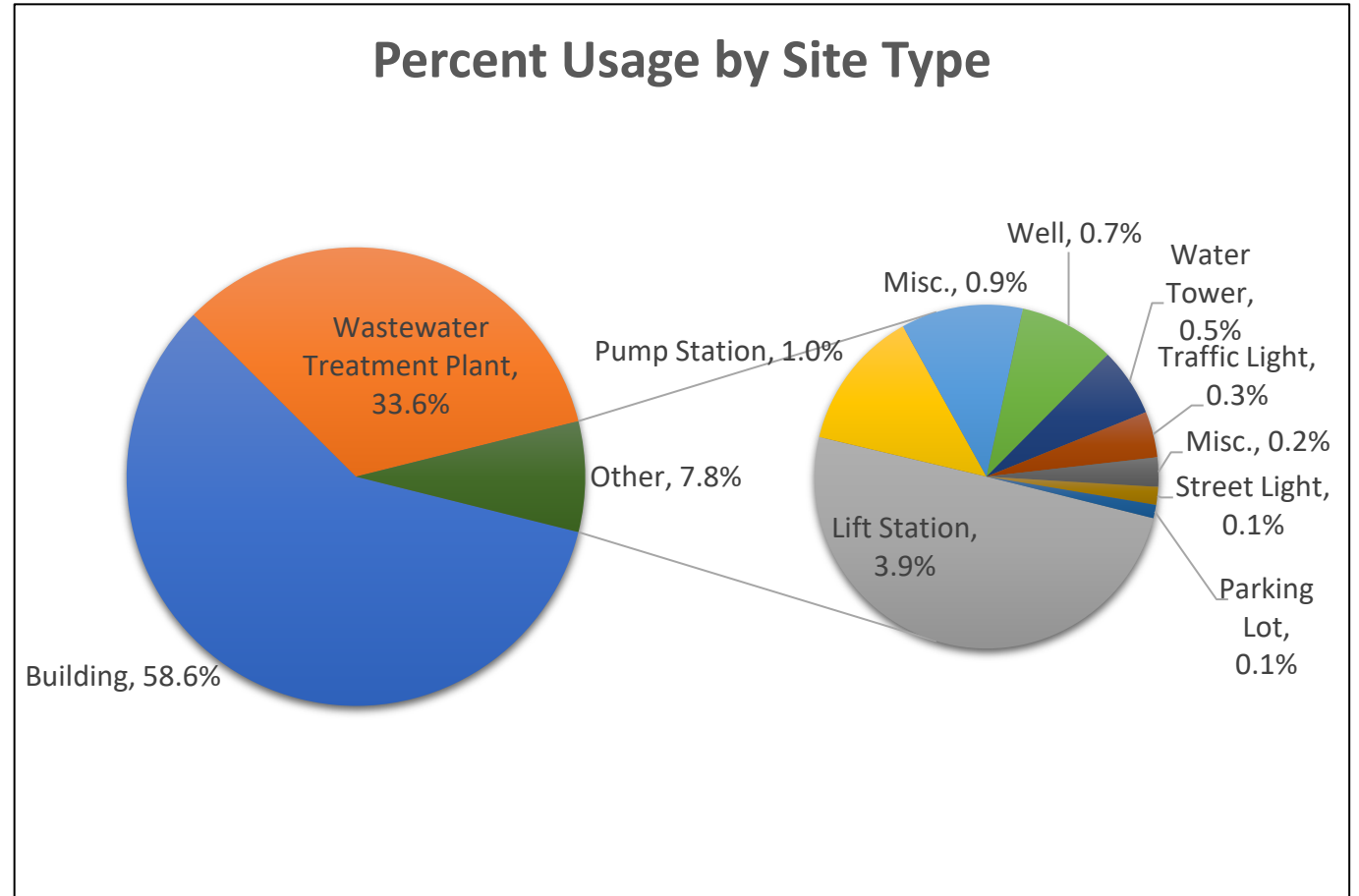
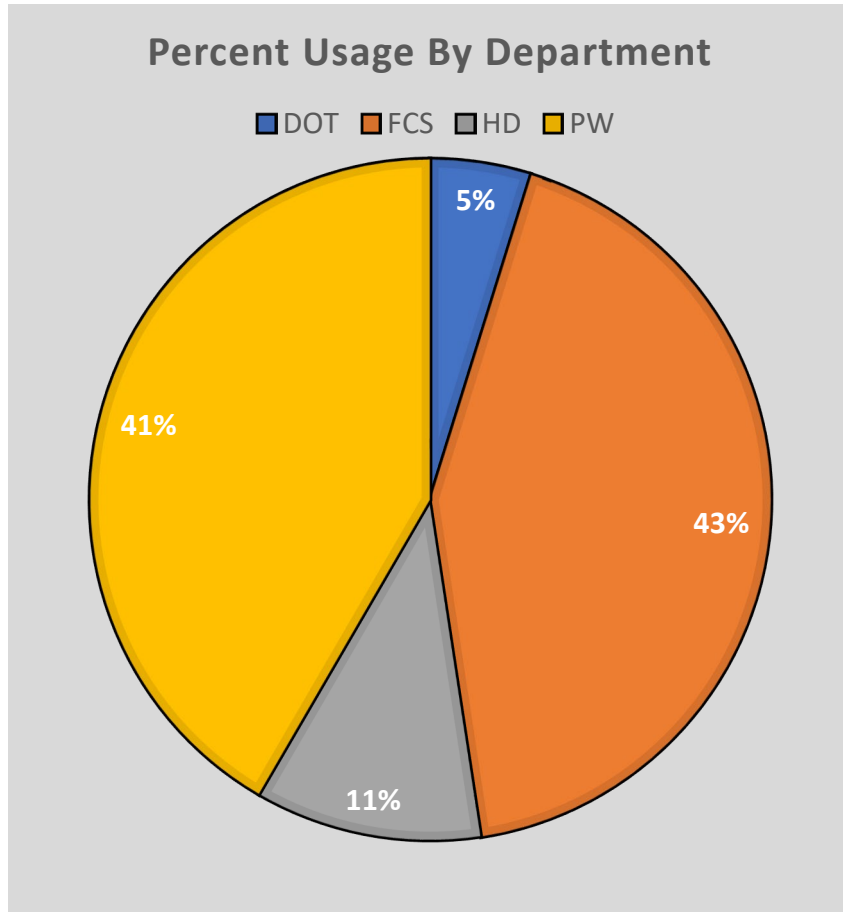


Results



Equal to the annual energy use of 3,056 homes!

Where Energy is Used



Portfolio Concentration

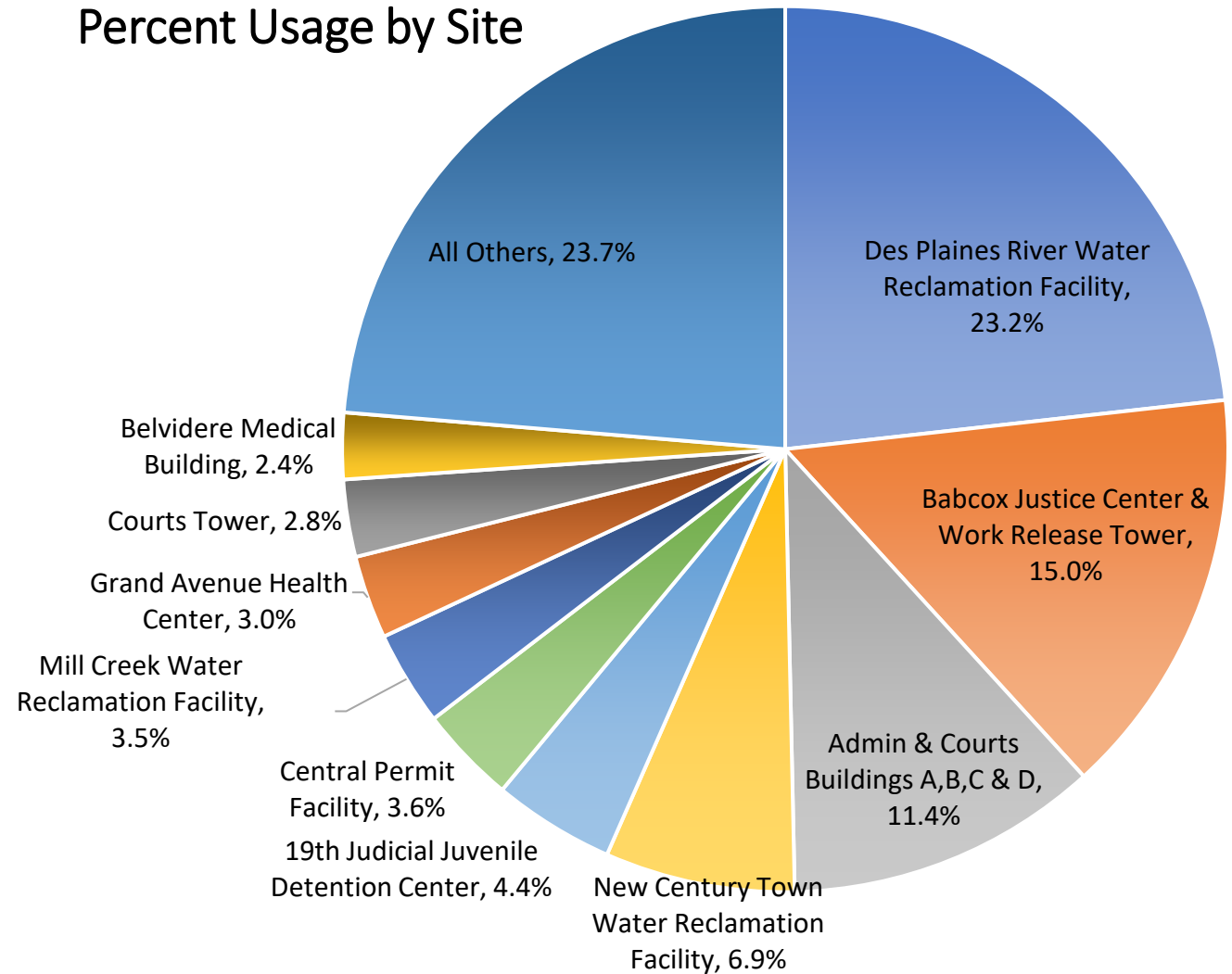


Top 10: 76.3%

Top 5: 61%

Top 3: 49.6%

Percent Usage by Site



Understanding Benchmarking

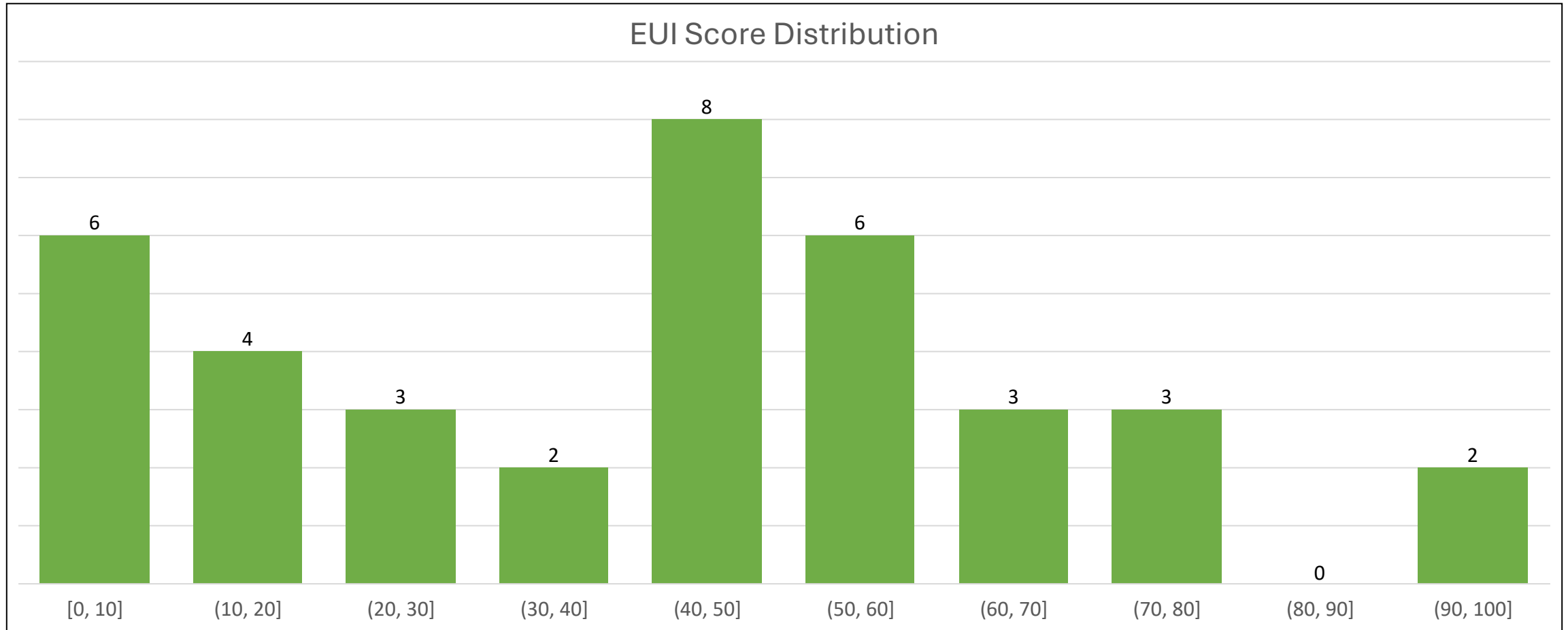


**Energy Use Intensity (EUI) =
MPG for buildings**



**EUI Score = MPG Compared
to similar buildings**

Benchmarking Results



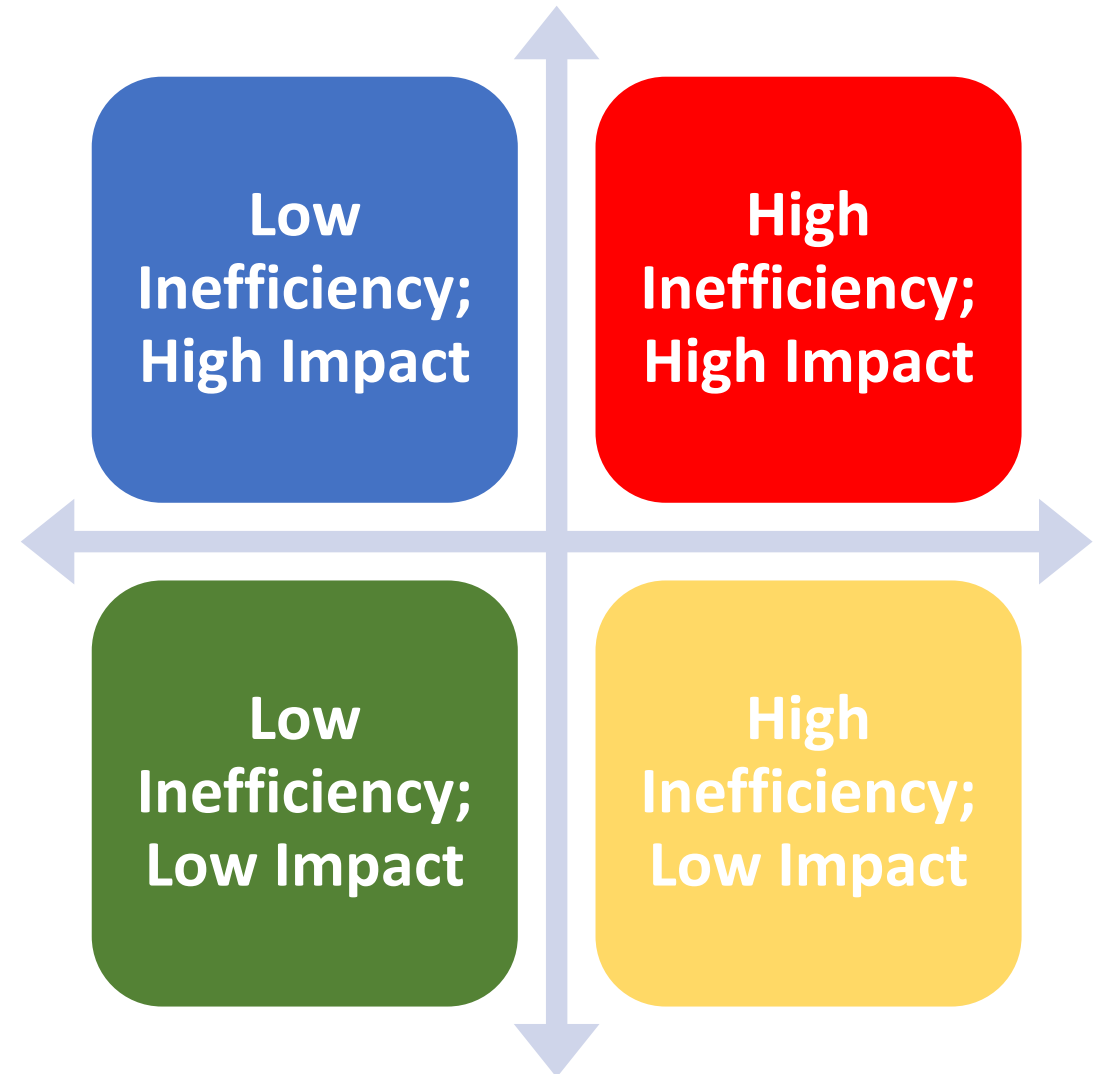
Lake County Average EUI Score: 41.72

National Median EUI Score: 50.0

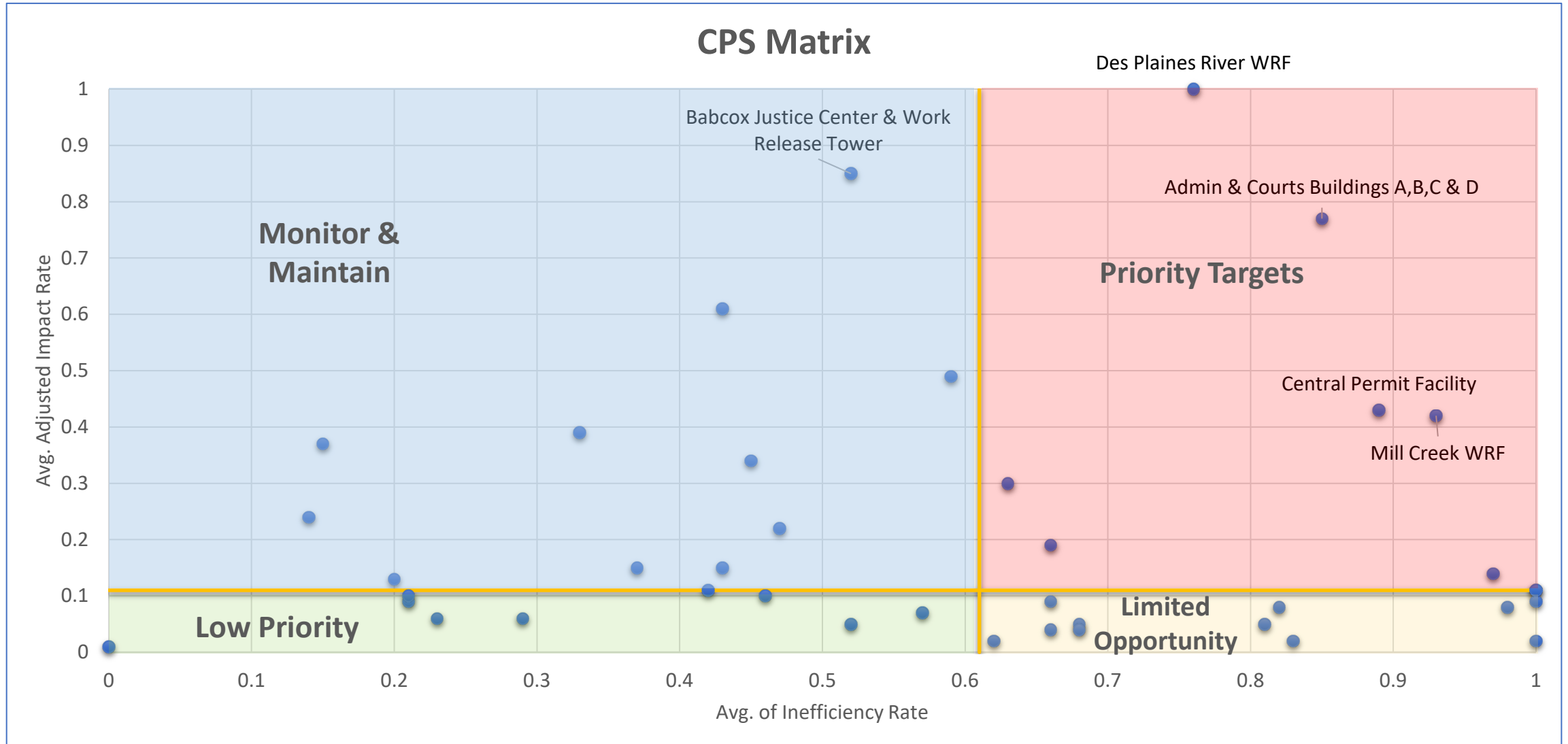
Composite Priority Score (CPS)



- **CPS Answers One Question:
Where can we achieve the
greatest energy savings?**
- **Inefficiency = EUI Score**
- **Impact = portfolio share**
- **0-100 Scale**



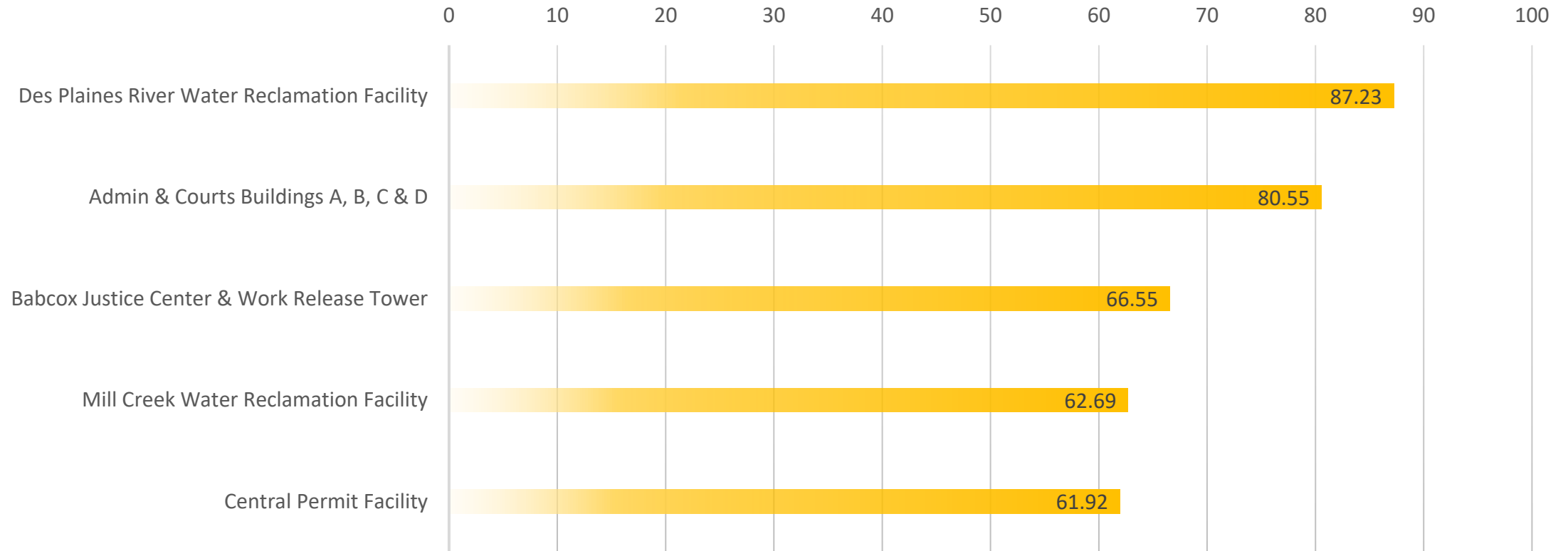
CPS Matrix



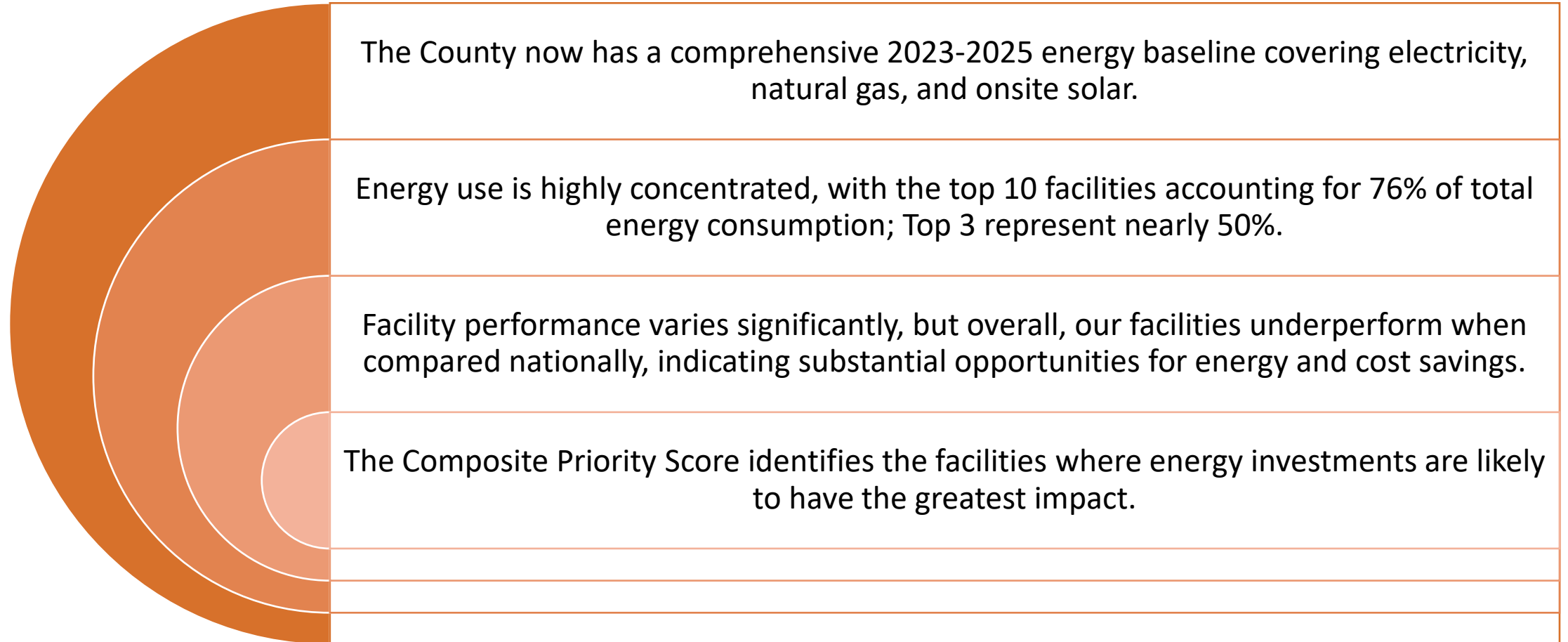
Top 5 Priority Facilities



CPS



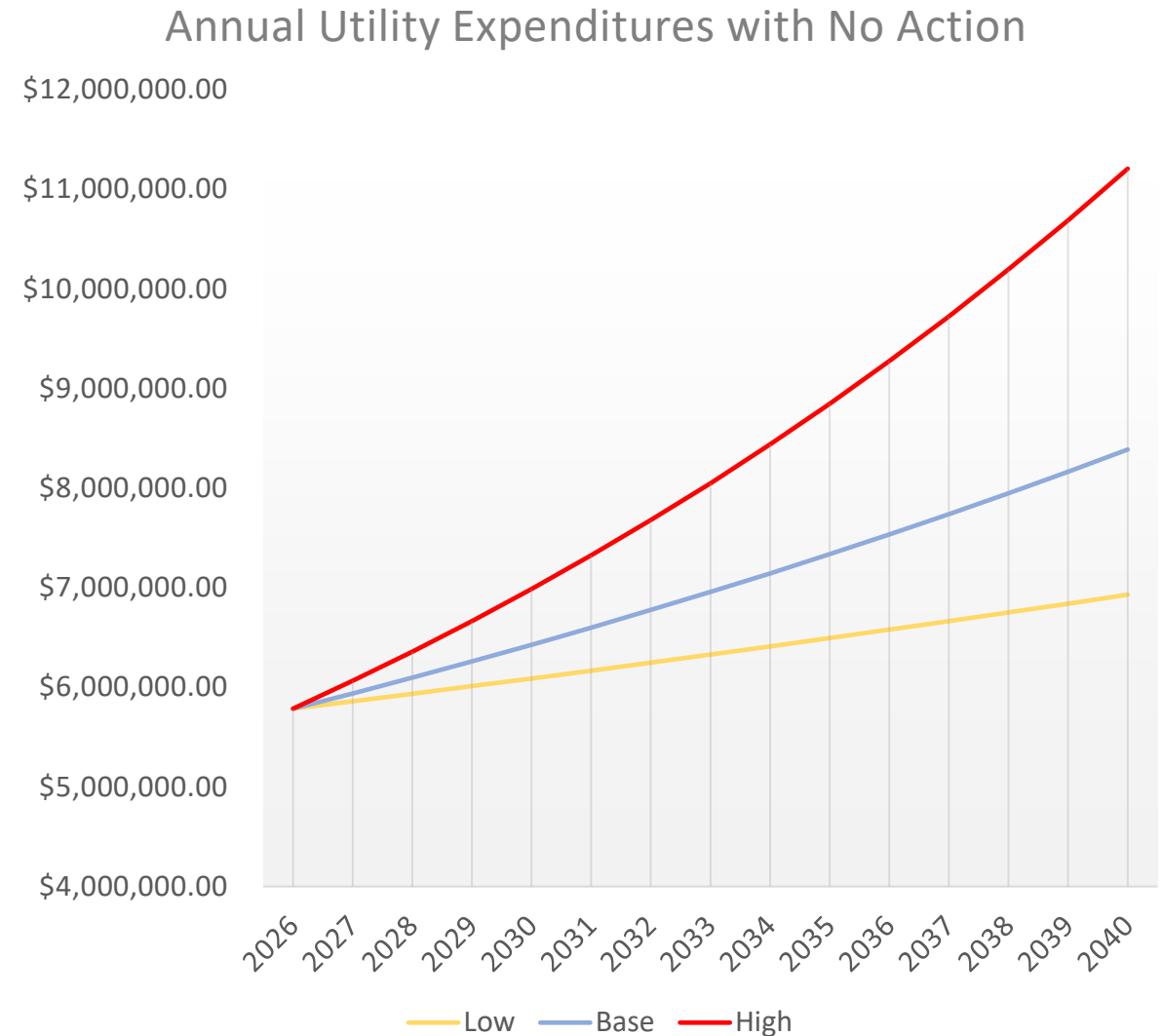
Findings from the Energy Report



Pathways to Net Zero Energy



- How do we achieve the County's 2020 goal to reach Net Zero Energy by 2040?
- 3 Different Potential Pathways to Net Zero Energy
 - 1: No Action + Renewable Energy Certificates (REC)
 - 2: Only Implement Solar & no investment in energy conservation measures (ECM)
 - 3: Implement Solar & maximum investment in ECMs

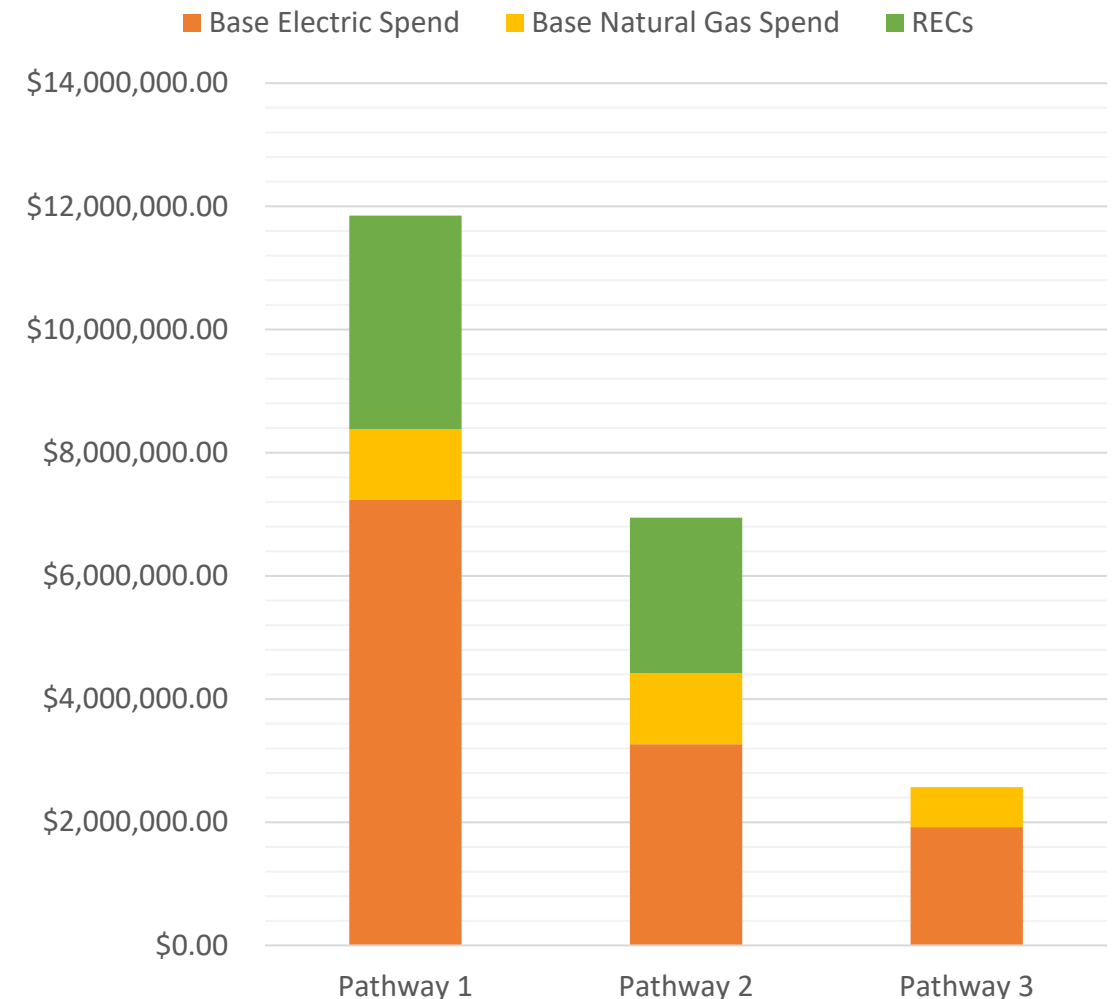


Policy Implementation Costs



- **Pathway 1:**
 - **Investment Total: \$0**
 - **Highest long-term operating cost**
 - **Relies entirely on RECs**
- **Pathway 2:**
 - **Investment Total: \$40,700,000**
 - **Reduces future electricity costs**
 - **Still requires some RECs**
- **Pathway 3:**
 - **Investment Total: \$183,556,000**
 - **Greatest reduction in energy consumption**
 - **No RECs needed**

Base Case Annual Costs in 2040



Next Steps

