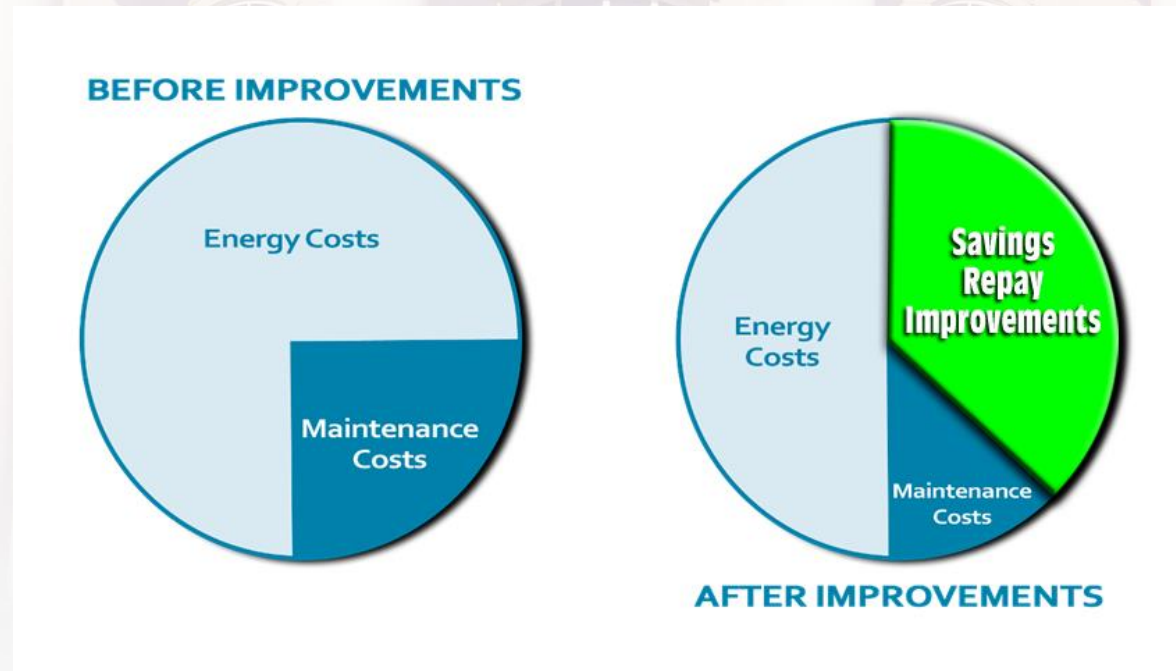


# Guaranteed Energy Savings Contracts (GESC)

Design-build construction process for the installation of new energy efficient building systems, infrastructure improvements and alternative fuels, where guaranteed savings from operation budgets are used to finance the capital improvements.



# Compressed Natural Gas (CNG) Vehicles

- The THREE T's
  - Transit
  - Trash
  - Transfer
- Large, low MPG Vehicles
  - With lots of run hours
- Fleets of smaller vehicles
  - Sedans & SUVs (PPV)
  - Compacts
  - Pickups
- Lots of Run Hours!
  - The more, the better



# CNG Benefits

## Why CNG?

- Cost Effective (CNG costs 50% less than Diesel)
- Quieter (80-90% lower decibel level)
- Lower Emissions (20-25% less GHG)
- Domestically Produced Fuel (Natural Gas)
- Proven Technology

# Examine Proven Results

- Muncie IN Sanitary District Metrics

## Capital Cost

CNG Station	\$2,876,438*
WWTP Blower	<u>\$1,149,757</u>
<b>Total</b>	<b>\$4,026,195</b>

## Year 1 Cash Flow

Fuel Savings	\$ 151,649
O/M Savings (vehicle maintenance)	\$ 12,000
Energy Savings (tied to blower)	\$ 63,211
Capital Cost Avoidance	\$ 105,000
Public Use Revenue (Estimate)	\$ 50,000
O/M Cost (station PM)	(\$ 25,000)
Debt Service (reduced step lease)	<u>(\$ 242,298)</u>
<b>Net Savings</b>	<b>\$ 114,562</b>

\*\$400K down payment



# Examine Proven Results

- Muncie IN Sanitary District



# Examine Proven Results

- Muncie IN Sanitary District





# Examine Proven Results

- Muncie IN Sanitary District

