



MARIO N. LEONE, JR.

Borough Manager, Borough of Monaca



# The Monaca Solar Story

Save Taxpayers Money with Strategic Energy Management



3

## Strategies for saving taxpayers money

1. Eliminate
  - motion sensor & dimmers



2. Improve Efficiency
  - Variable Frequency Drives (VFD's)
  - LED Lighting



## 3. Renewable Energy/SOLAR

Save Taxpayers Money with Strategic Energy Management



Commissioned on  
January 5, 2017

55.8 kW PV Solar  
Array  
\* 60 Ground  
mounted panels  
\* 126 Roof top  
panels

Estimated Gross  
Annual Energy  
Production 63,180  
kWh

Estimated  
CO<sub>2</sub> Avoided  
60.87 Tons



Save Taxpayers Money with Strategic Energy Management

# Project Funding: 50% Match

\$75,000.00 DEP Pennsylvania Energy Development Authority (PEDA) Grant

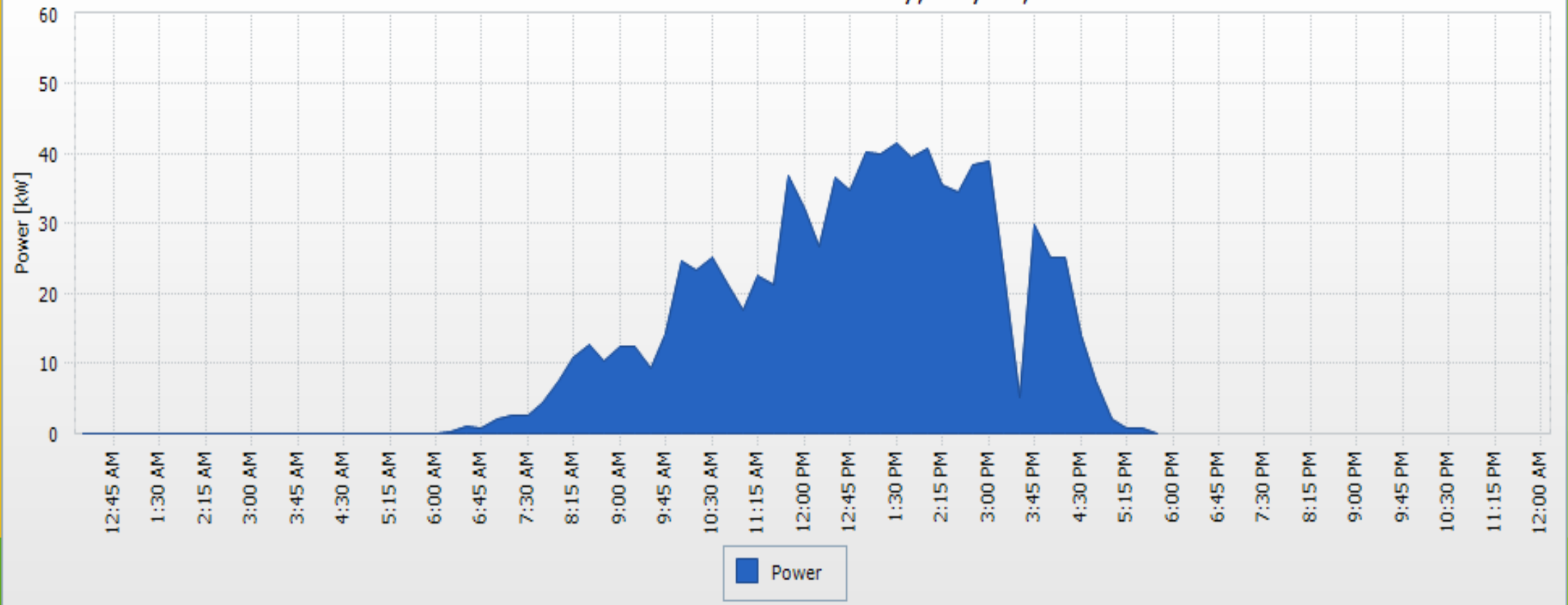
Total Project Cost: \$150,000.00

Estimated Payback: 7 ½ - 9 years



Save Taxpayers Money with Strategic Energy Management

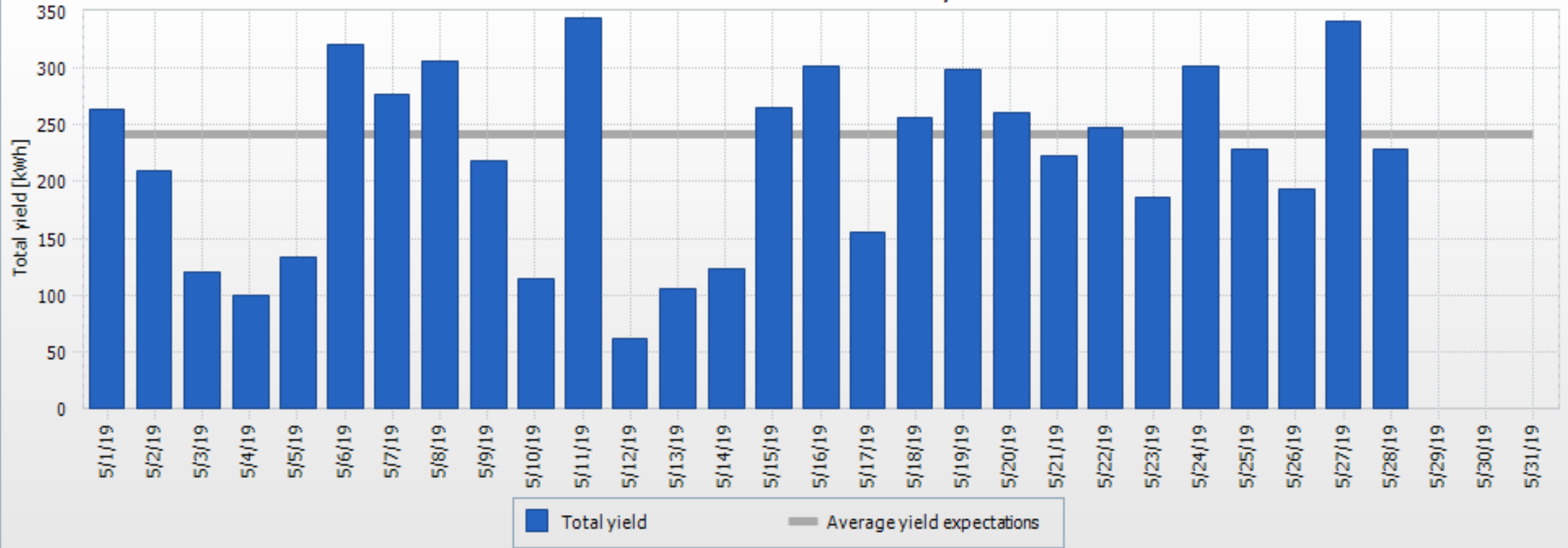
EIS Monaca Reservoir: Tuesday, May 28, 2019



Save Taxpayers Money with Strategic Energy Management

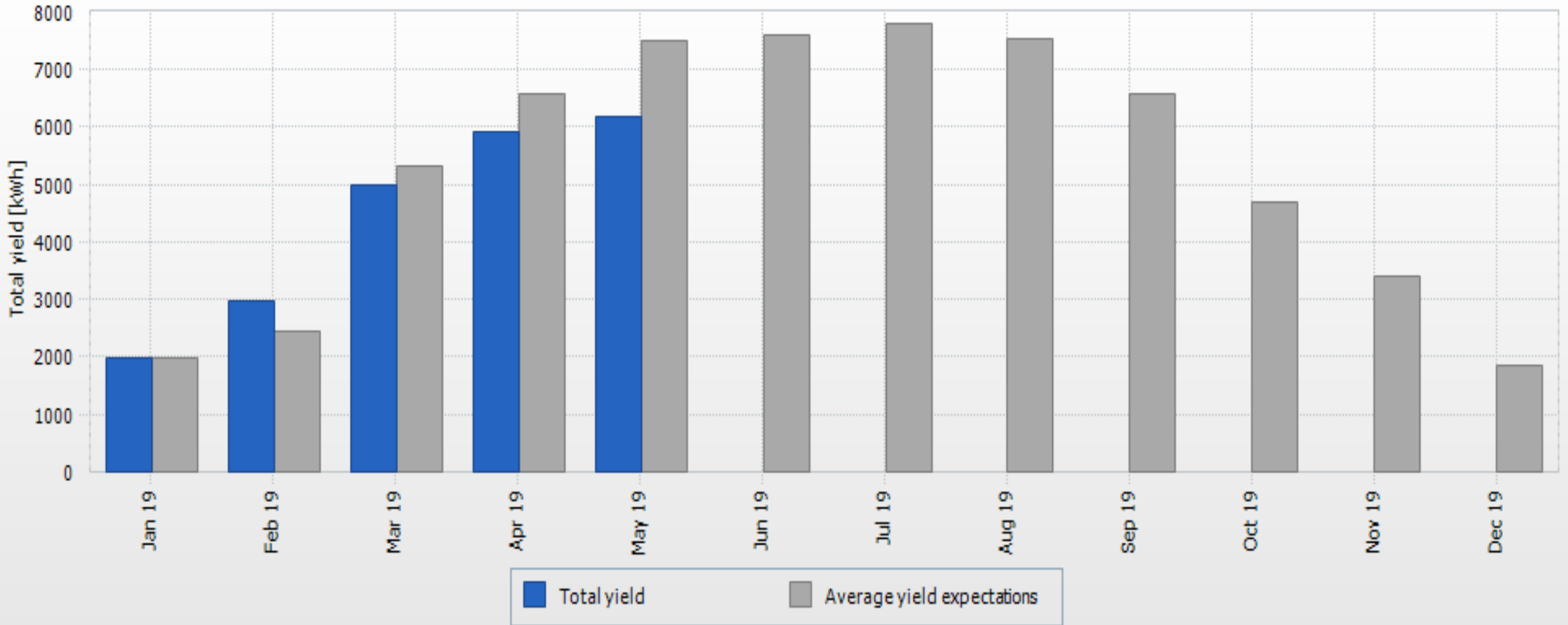


EIS Monaca Reservior: May 2019



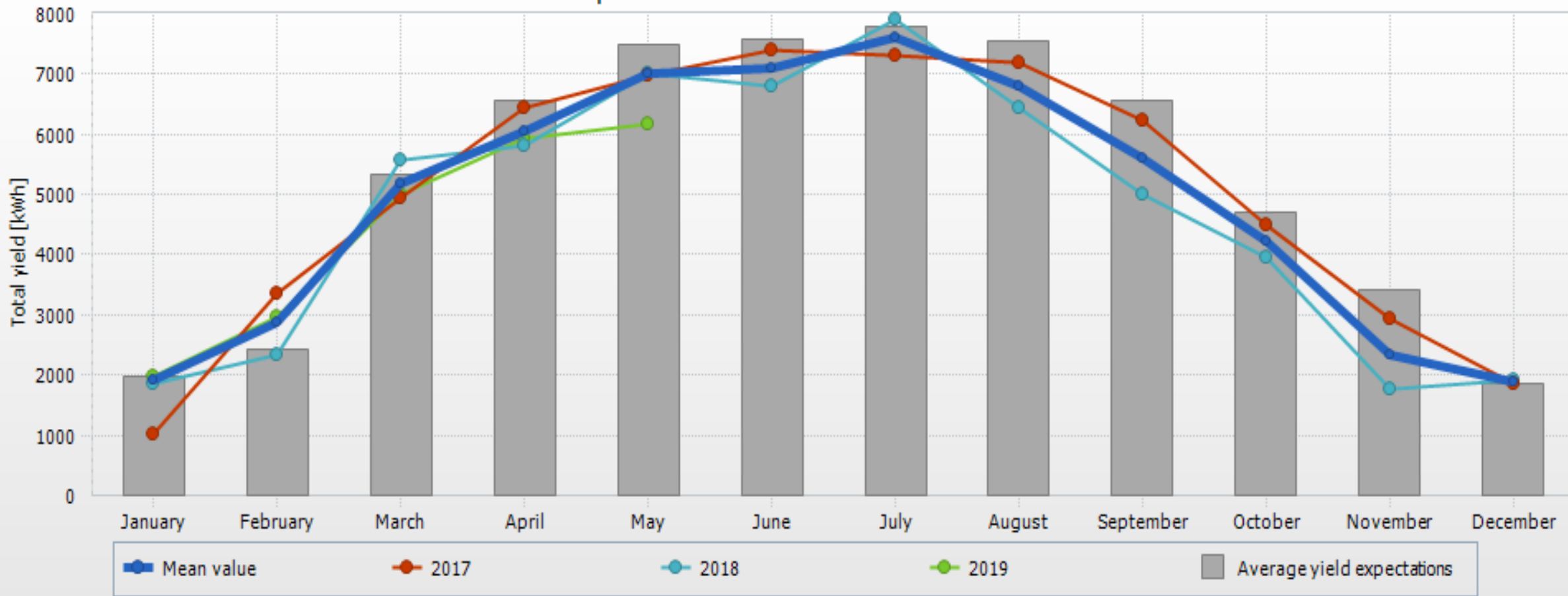
Save Taxpayers Money with Strategic Energy Management

## EIS Monaca Reservoir: 2019



Save Taxpayers Money with Strategic Energy Management

### Annual Comparison: EIS Monaca Reservoir from 2017 to 2019

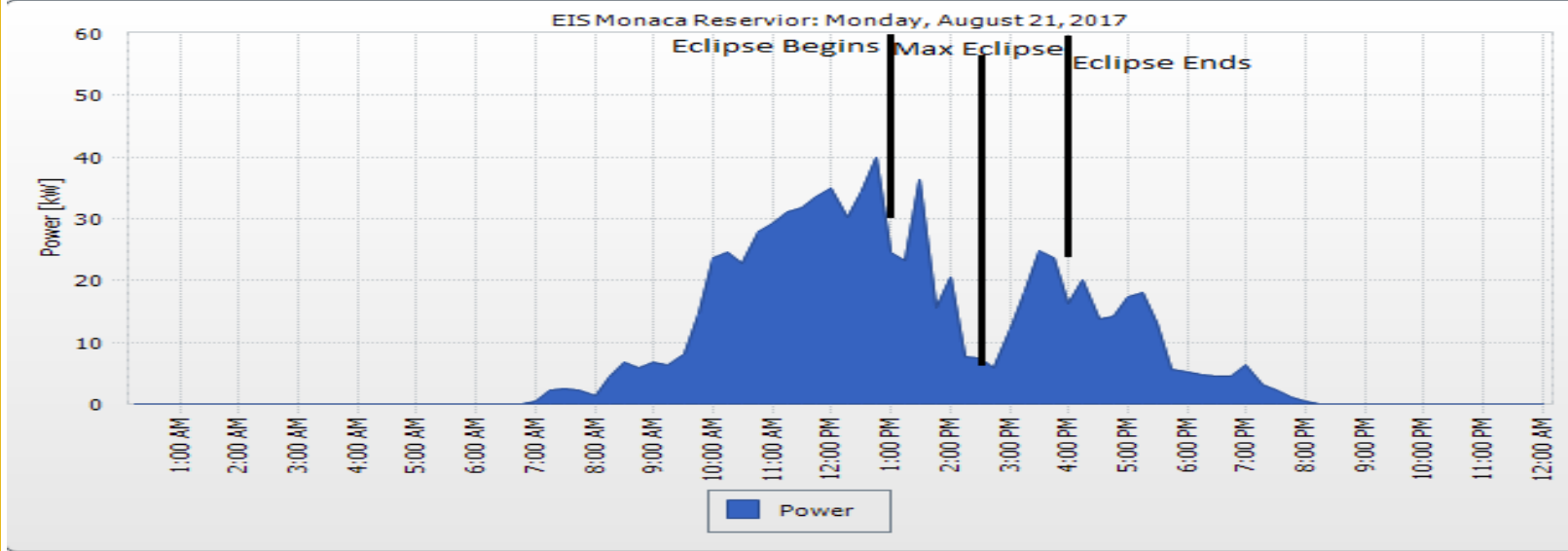


Save Taxpayers Money with Strategic Energy Management

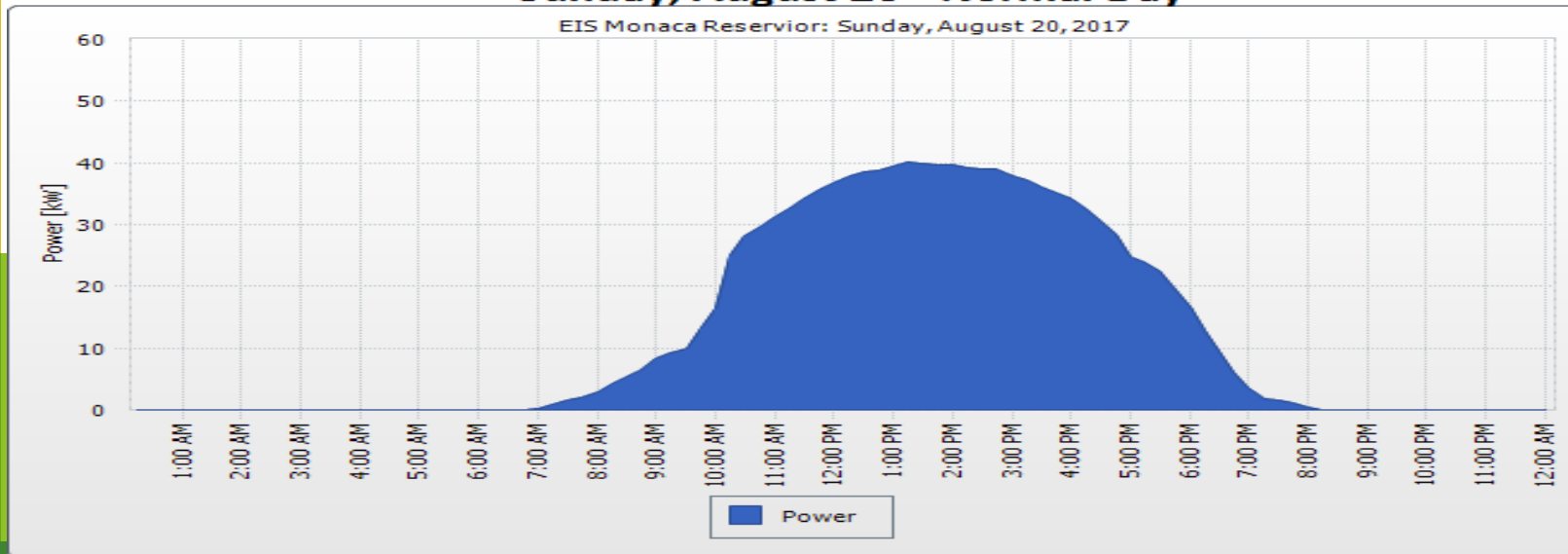


# SOLAR ECLIPSE

## Monday, August 21 - Eclipse Day



## Sunday, August 20 - Normal Day



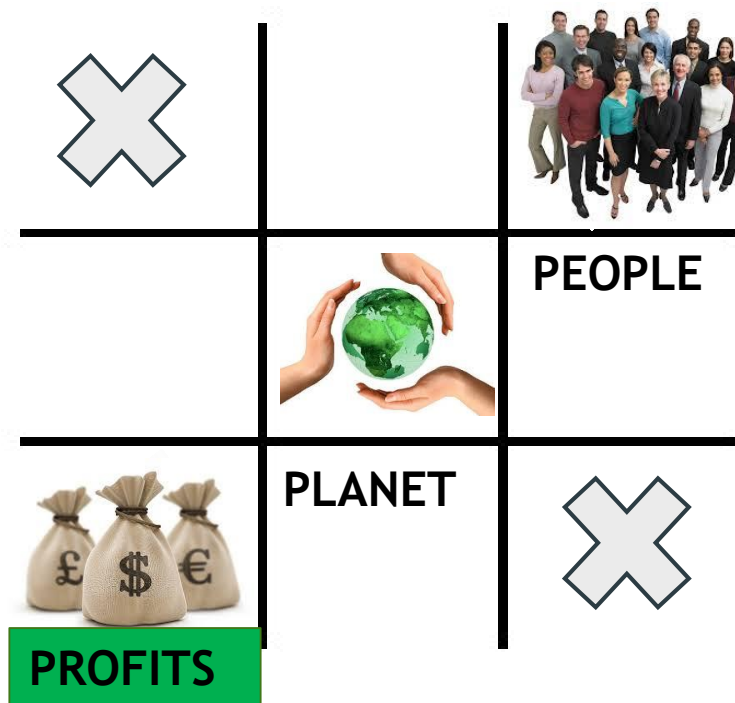
Save Taxpayers Money with Strategic Energy Management



# SOLAR: is as simple as;

*TIC TAC -TOE's* – *THREE P's IN A ROW*

**SOLAR** IS  
MAKING  
THE  
**DOLLAR**  
HOLLAR!!!



Save Taxpayers Money with Strategic Energy Management



# THANK YOU!!!

Contact Information:

Mario N. Leone Jr.

Monaca Borough Manager

[manager@monacapa.net](mailto:manager@monacapa.net)

724 7759603

Save Taxpayers Money with Strategic Energy Management