

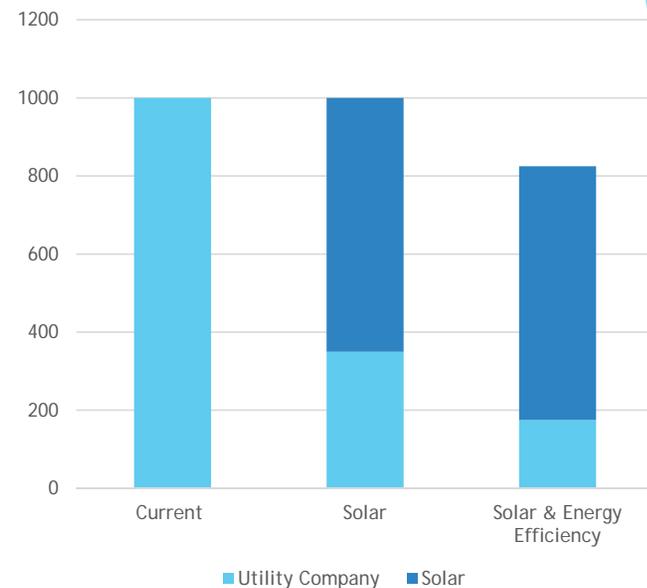
# Energy Efficiency Project

General Services Agency

June 18, 2019

# Background

- ▶ Solar energy production project is nearly complete.
  - ▶ County is contractually required to purchase all of the energy produced by the solar panels. The County has one flat rate for 25 years, no matter what happens to the utility companies' rates.
  - ▶ The solar project is designed to produce approximately 60% - 70% of our current energy demands. Any electricity purchased by the County above that threshold will be purchased at a greater rate from the utility companies.
  - ▶ Therefore, the County has an incentive to reduce our electricity demand, and maximize the solar power production as a percentage of our power spend.



# Energy Efficiency Audit

- ▶ ENGIE Services completed an initial feasibility study to identify potential energy efficiency savings
  - ▶ They found that the County may be able to obtain savings of \$2 million over 20 years through potential projects
- ▶ Potential Project Types
  - ▶ HVAC (Chillers/Boilers), Lighting, TES Tanks, new Transformers, water systems, natural gas lines
  - ▶ Opportunity to replace numerous dated and expired equipment
- ▶ Based upon the results of that feasibility study, GSA recommends partnering with ENGIE Services to investigate potential savings further through Professional Development Agreement

# Professional Development Agreement

- ▶ The proposed Professional Development Agreement would allow ENGIE Services to conduct a thorough audit at 13 County facilities
  - ▶ Comprehensive engineering and financial analysis (costs and savings)
  - ▶ ENGIE will work with GSA Facilities to obtain access to County buildings and utility information
- ▶ Proposed Terms of the PDA:
  - ▶ Approximately 5-6 month process
  - ▶ No Cost to the County, unless the County uses this information to contract with another entity for construction.

# Conclusion

- ▶ GSA will work ENGIE to review utility information, conduct site visits, and identify feasible projects
  - ▶ GSA will also utilize a third-party financial consultant to review information
  - ▶ Important financial assumptions: operations and maintenance savings, and measurement and verification costs
- ▶ Staff will return with a recommendation in approximately December 2019
  - ▶ Government Code Section 4217