



# Memo

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TO: Public Works Committee  
FROM: Ed Andrews, Public Works Director  
DATE: May 31<sup>st</sup>, 2019  
SUBJECT: Solar Energy – Turnkey / Lease Opportunities

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In the Spring of 2015, the City was approached by Hawk Energy Solutions regarding potential solar opportunities at some of the City's larger facilities. A leasing option was not fully developed when those discussions occurred and the PWC elected not to pursue that at that time. Since then other suppliers, such as Bluestream, Simpleray and others have contacted us with long-term lease options that would be at our current cost per kW, essentially relaying on transmission avoidance and a lock on the equipment costs.

While the City has 19 electrical accounts, many of these are lift stations and other smaller facilities where solar panels would not be practical. The following five accounts represent 90% of annual electrical usage and would be likely candidates for solar:

STP#2	=1,675,837 kWh
WTP#1	= 784,553 kWh (1MGD Plant w/ 3 Wells)
WTP#2	= 607,858 kWh (1.5MGD Plant w/ 2 Wells)
Police Department	= 429,066 kWh
Legion Rd	= 394,392 kWh (Public Works Bldg w/ 2 Wells)
Subtotal (Top 5)	=3,891,706 kWh
City Total Annual	=4,278,574 kWh (annual <b>\$294,836.53</b> )

FY17/18 Energy Costs:

Energy = 0.04691 \$/kWh  
Transmission = 0.022 \$/kWh

Potential annual transmission cost avoided at the identified 5 locations = \$85,617. As these requests continue to be made of the City staff asks for a discussion on this matter and possible permission to solicit RFP to review.

This matter has been placed on the Public Works Committee agenda of Monday, June 3<sup>rd</sup>, 2019 for review and discussion.

cc: File