

KEPCO 60 MW Utility Scale Solar PV Plant

Update
8/24/2021

SUMMARY

Power Purchase Agreement

- Utility-scale solar project owned by KEPCO.
- GPA will *purchase* renewable energy produced at the 60MW utility-scale solar plant through a PPA, executed in 2018.

Responsibilities

- KEPCO is responsible for construction, operations and maintenance, and retains ownership of the facility at the end of the contract.
- KEPCO is responsible to comply with all applicable laws and regulations.

Ratepayer Impact

- Mitigations costs for the recent erosion damage will not be borne by ratepayers.
- Ratepayers would be substantially negatively impacted should the project be delayed, or worse - the project is not successfully completed.

Stop Work Order

- The Stop Work Order could significantly harm ratepayers!
- **Prolonged work delays could result in project cancellation.**

LEAC Impact

- KEPCO indicated plant commissioning was scheduled for December 2021.
- The first year of LEAC savings is \$17.9M, equivalent to ~\$50K per day.
- The Ratepayer's LEAC savings is about \$49M for the first 4-year operating period.
- **Extended delays of the solar plant commissioning would deny ratepayers ~\$50K per day of LEAC savings, thus improving the potential for a higher LEAC recommendation in February 2022.**

Consent Decree

- The 60MW utility-scale solar PV plant is named as a key project arising from the USEPA-GPA Consent Decree.
- **Ratepayers may be subject to penalties for not completing this project or meeting the commissioning date.**

Renewable Energy Portfolio

- The utility-scale solar PV plant is an integral part of the renewable program to achieve 25% Renewable Energy by 2024 and 50% by 2030.
- **Ratepayers have a significant stake in seeing this solar plant being successfully completed as early as possible.**

Annual Savings from KEPCO 60 MW Solar Plant Power Purchase Agreement (PPA)

Calendar Year	2022	2023	2024	2025
Conventional Energy Offsetted	Non-Baseload	Non-Baseload	Baseload	Piti 8&9
Baseload Energy			625,632,000	20,000,000
Fuel Amount			\$ 85,291,000	\$ 3,072,197
Average \$/kWh			\$ 0.1363	\$0.1536
\$/BBL ULSD	\$ 95.00	\$ 85.00	\$ 85.00	\$ 85.00
Non-Baseload Energy Avg kWh/Gal	11	11		
Average \$/kWh Non-Baseload	\$ 0.2056	\$ 0.1840		
KEPCO Guaranteed kWh Production	149,084,585	147,949,356	147,208,522	146,467,689
KEPCO Guaranteed Rate/kWh	\$ 0.0855	\$ 0.0864	\$ 0.0872	\$ 0.0881
Contract Amount	\$ 12,746,603	\$ 12,776,037	\$ 12,839,183	\$ 12,902,315
GPA Production Fuel Amount	\$ 30,655,921	\$ 27,220,120	\$ 20,068,606	\$ 22,498,880
Ratepayer LEAC Estimated Savings	\$ 17,909,319	\$ 14,444,083	\$ 7,229,422	\$ 9,596,564
Total 1st 4-year Estimated Savings	\$ 49,179,388			