



Welcome you to the

Solar Showcase Mobile Workshop

Featuring the Neely Solar Project

Project Design Details

- ☀ Located at Gilbert's Neely Recharge Facility constructed over 5 recharge basins.
- ☀ System Size: 2 Mega-Watts (2,257.92kW DC) - Approximately 8000 "Tracker" Solar Panels.
- ☀ Solar panels mounted on beams installed 12' underground; 6½' height clearance.
- ☀ Five inverters (the inverters convert solar energy to electricity).
- ☀ Solar system will help supply power to Gilbert's Neely Wastewater Reclamation Plant.

Project Evolution

- ☀ **June, 2010:** Initial solar project concept discussions began in with **Severn Trent Services**, Gilbert staff, and **SPG Solar**.
- ☀ **August/September, 2010:** Gilbert applied for/received a Renewable Energy Incentive (Credit Purchase Agreement) for the project through **Arizona Public Service (APS)**.
- ☀ The CPA (incentive) from APS provided a *60% contribution* towards the project in exchange for renewable energy credits.
- ☀ **November, 2010:** Land License Agreement and Power Purchase Agreement (PPA) were negotiated and approved by the Gilbert Town Council.
- ☀ **December, 2010:** Project design began.
- ☀ **February – October, 2011:** Construction activity commenced/completed.
- ☀ **August, 2011:** The Interconnection and Operating Agreements with APS approved.

Key Partners:





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Power Purchase Agreement

- ☀️ **SPG Solar** is required to perform system design, construction, operation and maintenance.
- ☀️ **Integrays** (Gilbert Solar Facility-I) is the solar system owner; Gilbert considered the host.
- ☀️ PPA has 20-year term with following options at the end of term:
 - agreement renewal
 - ending the agreement with system removal
 - the Town can purchase the system at a depreciated value
- ☀️ PPA requires Gilbert to purchase all power generated by the solar system at a fixed rate structure.
- ☀️ Solar rate anticipated being at or less than the power rate Gilbert would pay APS.

Project Benefits – Gilbert, Arizona

- ☀️ Gilbert did not pay for any of the capital costs (~ \$10 million) for the solar project.
- ☀️ Gilbert not required to operate or maintain the solar system during agreement term.
- ☀️ Estimated to **off-set about 40% of the Neely Plant's power needs** with clean renewable energy; provide Gilbert with a forecasted savings of approximately \$2 million over the 20-year agreement term.
- ☀️ The facility's water recharge operations and wildlife habitat are not impacted.
- ☀️ Public/Private Partnership – promotes sustainability and economic development/marketability.
- ☀️ Fits Gilbert's Strategic Initiatives – "Clean, Safe, Vibrant."

Key Partners:

