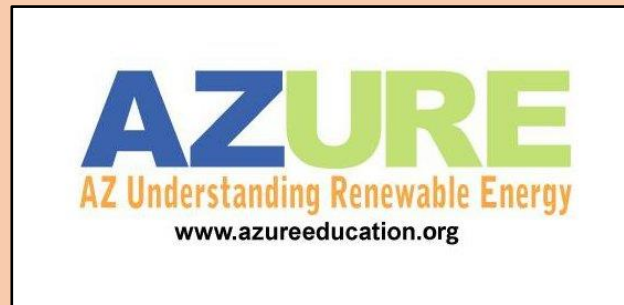


# SOLAR POWER PLANT TOUR



Begin

# PHOTOVOLTAIC SOLAR TECHNOLOGY

- The direct conversion of sunlight to electricity using semiconducting photo-cells.
- Sunlight falling on a photovoltaic (PV) cell generates electricity
- A single PV cell can generate about 4 Watts of electricity.
- Typically, 72 PV cells are connected together in a PV module
- Thousands of PV modules are used in a solar power plant

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# Our 32 MW Solar Power Plant

- Occupies 400 acres (300 football fields)
- Provides electricity for 5,000 homes
- Contains over 170,000 PV modules



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# Our virtual tour is split into three areas

- The Solar Plant area
- The Battery area
- The Switchgear Cabinet area

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# Solar Power Plant Tour Areas

Solar Plant Area

Battery Area

Switchgear Cabinet Area

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Google Earth

500 ft



# YOUR CHALLENGE

- There are 18 information targets scattered throughout the tour (see slide #7)
  - Eleven targets contain a hidden letter [H/L]
- Find all 18 targets
  - Collect the 11 hidden letters
  - Arrange the letters to spell a word



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# List of information targets

	Description				Description	
No	Solar Area	H/L		No	Battery Area	H/L
1	Steel post	[ ]		11	Battery container	[ ]
2	Tracking drive motor			12	Inverter	[ ]
3	PV Module	[ ]		13	Step-up transformer	
4	PV module string			14	Switching cabinet	
5	DC combiner box	[ ]		15	Control building	[ ]
6	Transformer center	[ ]				
7	Recombiner box				<b>PV Switchgear Area</b>	
8	Inverter	[ ]		16	Switchgear cabinet	[ ]
9	Step-up transformer			17	Control building	
10	Weather station	[ ]		18	Power lines	[ ]

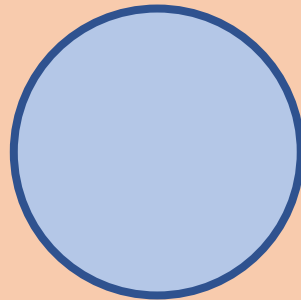
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# Take the tour!

Click anywhere inside the blue circle to begin the virtual tour



Hit “ALT + F4” (Windows PC) or “Command + Q” (Mac) to return to the presentation

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# Insert your hidden letters then arrange them to make a word

Description		Description	
<b>Solar Area</b>	<b>H/L</b>	<b>Battery Area</b>	<b>H/L</b>
Steel post	[ ]	Battery container	[ ]
PV Module	[ ]	Inverter	[ ]
DC combiner box	[ ]	Control building	[ ]
Transformer center	[ ]		
Inverter	[ ]	<b>PV Switchgear Area</b>	
Weather station	[ ]	Switchgear cabinet	[ ]
		Power lines	[ ]

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# We wish to thank the following companies for their assistance.



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