

EVENTS TO DATE



Since project award of RFP 14-0015 to Natural Power and Energy in early February, a significant amount of solar project start-up activity has been conducted. Key events and milestones to date include:

- ✓ Successful submittal of interconnection applications to TEP with a view to ensuring all District meters to which systems will be interconnected will receive the current net metering tariff.
- ✓ Selection of System Owner Constellation, a subsidiary of Fortune 500 Exelon (one of the nation's leading utility companies) following completion of a competitive financing procurement process.
- ✓ Solar Services Agreement (SSA) review in process and pricing confirmed for 25-year agreement term based on an aggregate project size of approximately ~9.47 MW.

EVENTS TO DATE



Additional key events and milestones to date include:

- ✓ Extensive site due diligence underway on systems planned at 24 District sites and 37 meter interconnections, with a majority featuring solar integrated shade structures and some roof systems.
- ✓ Proactive school stakeholder and community outreach media development underway with open sessions planned for late August through September according to current site deployment schedule.
- ✓ Integration of Solar STEM (Science, Technology, Engineering & Math) lesson plans and activities to support K-12 curriculum underway.

PROJECT BENEFITS



- Price Certainty: The District's solar energy cost is fixed for 25 years at a flat rate per kilowatt-hour.
- **Savings:** The project is estimated to save Amphitheater approximately \$100,000 in the first year and more than \$23 million¹ in energy costs over the 25-year life of the project, providing significant cost savings to taxpayers.
- **Environmental Impact:** District-exclusive reduction in CO2 footprint of approximately 17,340 tons/year², equivalent to the carbon sequestered by 14,213 acres of U.S. forests per year³.
- The District will retain full ownership of the environmental attributes/Renewable Energy Credits (RECs) associated with the project's clean energy output.
- **Approximately 64%** of the electricity required at all the sites is expected to be produced by approximately 30,000 polycrystalline modules (solar panels), with many sites offsetting ~80% of their annual electricity requirements.
- Shade provided for children to play under and park vehicles especially valuable in summer.
- Real-time data monitoring and Solar Science, Technology, Engineering and Math (STEM) student curriculum integration.

¹ Assuming 3% annual utility rate escalation vs. current savings rates.

² NPE estimates based on TEP-specific fuel mix.

³ US EPA Greenhouse Gas Equivalencies Calculator.

SOLAR SERVICES AGREEMENT



The Solar Services Agreement (SSA) is a long-term contract allowing Amphitheater Public Schools as the Host Customer to benefit from the systems installed at the District's schools and pay only for the energy the systems produce. There is no upfront cost to the District.

The ownership of the systems and the ongoing operation, maintenance, monitoring and payment administration is carried out by **Constellation, the System Owner**.

Over the 25-year term of the SSA, pricing to the District will be \$0.101/kWh (excluding sales tax, excluding property tax) with system purchase options beginning at year 6.

SAVINGS ANALYSIS



The estimated project savings are expected to be significant, take into consideration applicable sales tax assumptions and estimate a range of potential annual utility rate increases.

Based on a current project size of 9.47 MW, savings are estimated as follows:

	Estimate
Estimated Savings – Year One	~ \$100,000
Estimated 25-Year Savings – 1.5% Annual TEP Rate Escalation	~ \$11,500,00
Estimated 25-Year Savings – 3.0% Annual TEP Rate Escalation	~ \$23,000,000

COMMUNITY OUTREACH PLANNING



In support of the project roll-out, multiple community outreach activities and ongoing mass media communication are being implemented in order to keep stakeholders informed, elicit feedback and provide consistent project messaging.

Community Outreach Activities include:

- ✓ Solar project dedicated web pages on Amphi.com providing project background, current and upcoming events, project FAQs, draft system layouts by school and other valuable project details.
- Community Presentations/Q&A sessions to be conducted at multiple school and District sites, to be initiated in late August and run throughout September.
- Outreach to external stakeholders such as Oro Valley, Tucson, City Wards and Pima County.
- ✓ Leveraging local TV/Internet/Radio/Print media through planned project press releases and status updates.
- ✓ Additional meetings for individual school site councils, neighbor properties and community members, as required.

PHASING PLAN



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	Survey / Community Outreach	Design and Permitting	Construction				
	Cross Middle School - PC	Cross Middle School - PC	Cross Middle School - PC				
	Harelson Elementary - PC	Harelson Elementary - PC	Harelson Elementary - PC				
	La Cima Middle School - PC	La Cima Middle School - PC	La Cima Middle School - PC Walker Elementary - PC				
	Walker Elementary - PC	Walker Elementary - PC					
Phase 1	Walker Elementary (2) - PC	Walker Elementary (2) - PC	Walker Elementary (2) - PC				
riiase i	Donaldson Elementary - PC (outreach Ph.2)	Donaldson Elementary - PC	Donaldson Elementary - PC				
	Holaway Elementary - CoT	Holaway Elementary - CoT	Holaway Elementary - CoT				
	Holaway Elementary (2) * - CoT	Holaway Elementary (2) * - CoT	Holaway Elementary (2) * - CoT				
	Preschool * - CoT	Preschool * - CoT	Preschool * - CoT				
	Warehouse/Graphics/Print - CoT	Warehouse/Graphics/Print - CoT	Warehouse/Graphics/Print - CoT				

Coronado K-8 (1) ++ - PC Mesa Verde Elementary - PC Mesa Verde Elementary - PC Amphitheater High School (1) ++ - CoT Keeling Elementary (1) - CoT Keeling Elementary (1) - CoT Amphitheater Middle School (1) - CoT Keeling Elementary (3) * - CoT Keeling Elementary (3) * - CoT Amphitheater Middle School (2) Rillito Center (1) - CoT Rillito Center (1) - CoT Prince Elementary - CoT Rillito Center (2) - CoT Rillito Center (2) - CoT Rillito Center (1) - CoT Well Site * - CoT Well Site * - CoT Phase 2 Nash Elementary - CoT Rillito Center (2) - CoT Nash Elementary - CoT Well Site * - CoT Rio Vista Elementary - CoT Rio Vista Elementary - CoT Canyon Del Oro High School (1) ++ - OV Transportation Bus Barn - CoT Transportation Bus Barn - CoT Canyon Del Oro High School (2) - OV Transportation Food Service - CoT Transportation Food Service - CoT Canyon Del Oro High School (3) - OV Administration (1) - PC Administration (1) - PC Canyon Del Oro High School (4) - OV Administration (3) - PC Administration (3) - PC Ironwood Ridge High (1) - OV Administration (4) - PC Administration (4) - PC

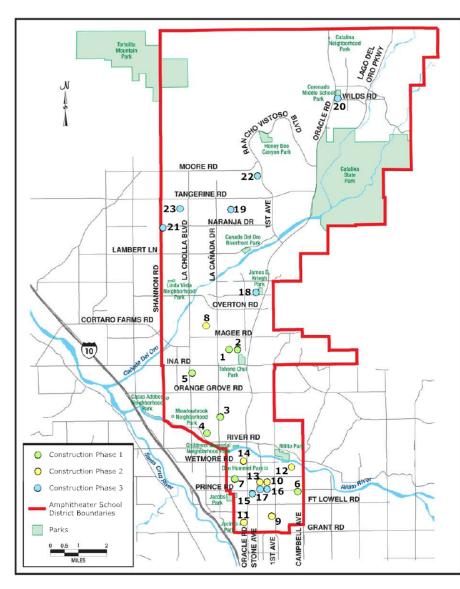
		Coronado K-8 (1) ++ - PC	Coronado K-8 (1) ++ - PC
	Wilson K-8 - OV	Wilson K-8 - OV	Wilson K-8 - OV
	Painted Sky - OV	Ironwood Ridge High (2) - OV	Ironwood Ridge High (2) - OV
	Copper Creek Elementary - OV	Ironwood Ridge High (1) - OV	Ironwood Ridge High (1) - OV
	Transportation Food Service - CoT	Painted Sky - OV	Painted Sky - OV
	Transportation Bus Barn - CoT	Copper Creek Elementary - OV	Copper Creek Elementary - OV
	Administration (4) - PC	Canyon Del Oro High School (4) - OV	Canyon Del Oro High School (4) - OV
hase 3	Administration (3) - PC	Canyon Del Oro High School (3) - OV	Canyon Del Oro High School (3) - OV
	Administration (1) - PC	Canyon Del Oro High School (2) - OV	Canyon Del Oro High School (2) - OV
	Rio Vista Elementary - CoT	Canyon Del Oro High School (1) ++ - OV	Canyon Del Oro High School (1) ++ - OV
	Nash Elementary - CoT	Prince Elementary - CoT	Prince Elementary - CoT
	Keeling Elementary (3) * - CoT	Amphitheater Middle School (2)	Amphitheater Middle School (2)
	Keeling Elementary (1) - CoT	Amphitheater Middle School (1) - CoT	Amphitheater Middle School (1) - CoT
	Mesa Verde Elementary - PC	Amphitheater High School (1) ++ - CoT	Amphitheater High School (1) ++ - CoT

KEY: * Projects smaller than 50 kW AC CoT - City of Tucson
++ Projects greater than 300kW AC PC - Pima County
OV - Oro Valley

Ironwood Ridge High (2) - OV

CONSTRUCTION PHASES





AMPHITHEATER SCHOOL DISTRICT

Construction Phase 1

- 1. Cross Middle School 1000 W Chapala
- 2. Harelson Elementary School 826 W Chapala Dr
- 3. La Cima Middle School 5600 N La Cañada
- 4. Walker Elementary School 1750 W Roller Coaster Rd.
- 5. Donaldson Elementary School 2400 W Omar Dr
- 6. Holaway Elementary School 3500 N Cherry Ave
- 7. Warehouse/Graphics 1001 W Roger Rd

Construction Phase 2

- 8*. Mesa Verde Elementary School 1661 W Sage St (Depending on current construction schedule)
- 9. Keeling Elementary School 2837 N Los Altos
- 9. Reeling Elementary School 2837 N Los Alt
- 10. Rillito Center 266 E Pastime Rd
- 11. Nash Elementary School 515 W Kelso
- 12. Rio Vista Elementary School 1351 N Limberlost
- 13. Facilities/Transportation 200 E Roger Rd
- 14. Wetmore Center 701 W Wetmore

Construction Phase 3

- 15. Amphitheater High School 125 W Yavapai Rd
- 16. Amphitheater Middle School 315 E Prince Rd
- 17. Prince Elementary School 125 E Prince Rd
- 18, CDO High School 25 W Calle Concordia
- 19. Copper Creek Elementary School 11620 N Copper Spring Tr
- 20. Coronado K-8 School 3401 E Wilds Rd
- 21. Ironwood Ridge High School 2475 W Naranja Rd
- 22. Painted Sky Elementary School 12620 N Woodburne
- 23. Wilson K-8 School 2330 W Glover Rd



www.amphi.com (520) 696-5000

ESTIMATED PROJECT SCHEDULE



ID	Task Name	Duration	Start	Finish	December 1	February 11	April 21	July 1	September 1	1 November 21 Feb	bruary 1 /	April 11	June 21
1	Amphitheater Public Schools Solar Project	384 days	Tue Feb 10, '15	Fri Jul 29, '16									
2	Award Date (February 10, 2015 Regular Board Meeting)	0 days	Tue Feb 10, '15	, ,		2/10 2/13							:
3	Kick Off Meeting	0 days	Fri Feb 13, '15			2/13		1 1					
4	Review of Proposed Project Sites and Details with District	163 days	Mon Feb 16, '15						<u> </u>				
5	Consideration of Expanded Project - Design and Financing Impact	27 days	Mon Feb 16, '15	,				1 1					
6	TEP Net Metering Filing	0 days	Wed Mar 25, '15	Wed Mar 25, '15		♦ _3/	25	1 1					1
7	Reaction to TEP Net Metering Filing	14 days	Wed Mar 25, '15	Mon Apr 13, '15		_	<u>h</u> .						i .
8	Meeting with Superintendent (Intent to proceed with expanded Project established)	0 days	Mon Apr 13, '15	Mon Apr 13, '15			4/13	1 1	:				1
9	Prepare + Submit TEP Interconnection Applications, Site Plans and One- and Three-Line Diagrams	35 days	Tue Apr 14, '15										:
10	TEP Meeting regarding Interconnection Application Process	0 days	Tue May 5, '15	Tue May 5, '15			♦ 5/5						
11	TEP Interconnection Application Submittal Deadline	0 days	Mon Jun 1, '15	Mon Jun 1, '15			6/1	111					
12	TEP Review Process	17 days	Tue Jun 2, '15				_	b.					i
13	TEP Review Meeting (Formal feedback: reduced system size at Amphi HS and 2x eliminated meters)	0 days	Wed Jun 24, '15				1 ←	6 24		1			1
14	Financing and Construction Partner Selection Process	62 days	Tue Apr 14, '15	Wed Jul 8, '15				≕ }_					
15	SSA Provided to District	0 days	Wed Jul 8, '15	Wed Jul 8, '15				4 57/8					1
	Negotiate SSA Agreement with District	24 days	Thu Jul 9, '15	J /		1			:				
17	Regular Board Meeting: Seek District Approval to Execute SSA)	0 days	Tue Aug 11, '15	Tue Aug 11, '15				♦38	11				
	Execute SSA Agreement	0 days	Wed Aug 12, '15					♦ 🖠	/12				:
19	Survey Design Work - Phase 1	27 days	Thu Jul 9, '15	Fri Aug 14, '15									
20	Survey Design Work - Phase 2 (includes Large Meters)	38 days	Thu Jul 9, '15	Mon Aug 31, '15					h				:
21	Survey Design Work - Phase 3	47 days	Thu Jul 9, '15	Fri Sep 11, '15					⇒ ì				
22	Rooftop Evaluations and Strucutral Engineering	44 days	Thu Jul 9, '15	Tue Sep 8, '15					=				1
23	District Review of Revised Layouts - Phase 1	5 days	Mon Aug 17, '15	Fri Aug 21, '15				T I	11				i .
24	District Review of Revised Layouts - Phase 2	5 days	Tue Sep 1, '15	Mon Sep 7, '15					<u>~</u> :				1
25	District Review of Revised Layouts - Phase 3	5 days	Mon Sep 14, '15	Fri Sep 18, '15					6				
26	Community Outreach Meetings - Phase 1	11 days	Mon Aug 24, '15	Mon Sep 7, '15					=				
27	Community Outreach Meetings - Phase 2 (includes Large Meters)	6 days	Tue Sep 8, '15	Tue Sep 15, '15					\$:
28	Community Outreach Meetings - Phase 3	6 days	Mon Sep 21, '15	Mon Sep 28, '15									
29	Final District Approvals of All Layouts Secured	2 days	Thu Oct 1, '15	Fri Oct 2, '15									
30	Execute TEP Facilities Studies Agreements (Large Meters)	10 days	Wed Sep 16, '15	Tue Sep 29, '15				1 1	4				:
31	TEP Facilities Studies (Large Meters)	40 days	Wed Sep 30, '15	Tue Nov 24, '15						⇒			:
32	Preparation of Engineered Drawings + Permits Submitted - Phase 1	25 days	Tue Sep 8, '15	Mon Oct 12, '15			1	: E		1			
33	Preparation of Engineered Drawings + Permits Submitted - Phase 2	45 days	Wed Sep 30, '15	Tue Dec 1, '15						—			:
34	Preparation of Engineered Drawings + Permits Submitted - Phase 3 (includes Large Meters)	60 days	Tue Sep 29, '15	Mon Dec 21, '15									:
35	AHJ Design Review and Comments - Phase 1	10 days	Tue Oct 13, '15	Mon Oct 26, '15			-		—	11			
36	AHJ Design Review and Comments - Phase 2	30 days	Wed Dec 2, '15	Tue Jan 12, '16									
37	AHJ Design Review and Comments - Phase 3	30 days	Tue Dec 22, '15	Mon Feb 1, '16					: 11				
38	Permits Received - Phase 1 (Interconnection Agreements submitted to TEP shortly thereafter)	0 days	Mon Oct 26, '15	Mon Oct 26, '15				1	- 4	0/26			1
39	Permits Received - Phase 2 (Interconnection Agreements submitted to TEP shortly thereafter)	0 days	Tue Jan 12, '16	Tue Jan 12, '16						₹1/12			
40	Permits Received - Phase 3 (Interconnection Agreements submitted to TEP shortly thereafter)	0 days	Mon Feb 1, '16	Mon Feb 1, '16				1 .	: []	- 2	4—		:
41	Pre-Construction Meeting Scheduling	5 days	Tue Oct 27, '15	Mon Nov 2, '15				1					:
42	Pre-Construction Meeting	0 days	Mon Nov 2, '15	Mon Nov 2, '15					3	11/2			1
43	Steel Fabrication	20 days	Tue Oct 13, '15	Mon Nov 9, '15						,:			
44	Construction Period - Phase 1	80 days	Tue Nov 10, '15	Mon Feb 29, '16						y: :	_		
45	Construction Period - Phase 2	80 days	Wed Jan 13, '16	Tue May 3, '16					•	: 9	_ :	<u> </u>	1
46	Construction Period - Phase 3 (includes Large Meters)	95 days	Wed Mar 9, '16	Tue Jul 19, '16				1 1			9		
47	AHJ & Utility Inspections	8 days	Wed Jul 20, '16	Fri Jul 29, '16									<u> </u>
48	System Commissioning	0 days	Fri Jul 29, '16	Fri Jul 29, '16									7/2
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QUESTIONS & ANSWERS



