

APS Renewable Energy Sources (2019)

To date, APS has a diverse portfolio of existing and planned renewable resources totaling 1,923 MW, including solar, wind, geothermal, biomass and biogas. Of this portfolio, 1,828 MW are currently in operation and 95 MW are under contract for development or are under construction. Renewable resources in operation include 240 MW of facilities owned by APS, 626 MW of long-term purchased power agreements, and an estimated 962 MW of customer-sited, third-party owned distributed energy resources.

Agreements for the development and completion of future resources are subject to various conditions, including successful siting, permitting and interconnection of the projects to the electric grid

(a) Includes Flagstaff Community Power Project, APS School and Government Program, APS Solar Partner Program, and APS Solar Communities Program.

(b) Includes rooftop solar facilities owned by third parties. Distributed generation is produced in DC and is converted to AC for reporting purposes.

Source:
http://s22.q4cdn.com/464697698/files/doc_financials/2019/annual/PNW-2019-10-K.pdf

	Location	Actual/Target Commercial Operation Date	Term (Years)	Net Capacity In Operation (MW AC)	Net Capacity Planned/Under Development (MW AC)
APS Owned					
<i>Solar:</i>					
AZ Sun Program:					
Paloma	Gila Bend, AZ	2011		17	
Cotton Center	Gila Bend, AZ	2011		17	
Hyder Phase 1	Hyder, AZ	2011		11	
Hyder Phase 2	Hyder, AZ	2012		5	
Chino Valley	Chino Valley, AZ	2012		19	
Hyder II	Hyder, AZ	2013		14	
Foothills	Yuma, AZ	2013		35	
Gila Bend	Gila Bend, AZ	2014		32	
Luke AFB	Glendale, AZ	2015		10	
Desert Star	Buckeye, AZ	2015		10	
Subtotal AZ Sun Program				170	—
Multiple Facilities	AZ	Various		4	
Red Rock	Red Rock, AZ	2016		40	
<i>Distributed Energy:</i>					
APS Owned (a)	AZ	Various		26	
Total APS Owned				240	—
Purchased Power Agreements					
<i>Solar:</i>					
Solana	Gila Bend, AZ	2013	30	250	
RE Ajo	Ajo, AZ	2011	25	5	
Sun E AZ 1	Prescott, AZ	2011	30	10	
Saddle Mountain	Tonopah, AZ	2012	30	15	
Badger	Tonopah, AZ	2013	30	15	
Gillespie	Maricopa County, AZ	2013	30	15	
<i>Solar + Energy Storage:</i>					
First Solar	Arlington, AZ	2021	15		50
<i>Wind:</i>					
Aragonne Mesa	Santa Rosa, NM	2006	20	90	
High Lonesome	Mountainair, NM	2009	30	100	
Perrin Ranch Wind	Williams, AZ	2012	25	99	
<i>Geothermal:</i>					
Salton Sea	Imperial County, CA	2006	23	10	
<i>Biomass:</i>					
Snowflake	Snowflake, AZ	2008	15	14	
<i>Biogas:</i>					
NW Regional Landfill	Surprise, AZ	2012	20	3	
Total Purchased Power Agreements				626	50
Distributed Energy					
<i>Solar (b)</i>					
Third-party Owned	AZ	Various		929	45
Agreement 1	Bagdad, AZ	2011	25	15	
Agreement 2	AZ	2011-2012	20-21	18	
Total Distributed Energy				962	45
Total Renewable Portfolio				1,828	95