

Production Cost Modeling Study: SunZia-Pattern Wind PPA

Assumptions	
System RA Value	
Capacity	125.0 MW
RA Price	See RA Price >>
FRAC Capacity Obligation	
Capacity	125.0 MW
FRAC Obligation	80%
FRAC Annual Value Adder	\$1.00 /kW-month
MIC Cost	
MIC Price	\$3.00 /kW-month
Optimal MIC Factor	0.28 (@ \$3 MIC)
Optimal MIC Amount	35.0 MW
Renewable Energy Credits	
REC Value	\$20.00 /MWh

Month	ELCC AZ/NM	System RA	Congestion
	Wind Factors (2023)	Seasonal Pricing Ratio	Price (PV to RVSD)
1	0.3404	0.1538	\$4.02
2	0.3619	0.1538	\$2.75
3	0.3965	0.1538	\$3.78
4	0.3526	0.3077	\$3.22
5	0.2594	0.6154	\$3.04
6	0.2178	1.2308	\$0.98
7	0.213	2.4615	\$1.35
8	0.2259	2.4615	\$3.53
9	0.2786	2.4615	\$2.42
10	0.3269	1.2308	\$4.11
11	0.3399	0.6154	\$10.54
12	0.3428	0.1538	\$7.40

Year	Annual RA Price
2026	\$14.00
2027	\$12.00
2028	\$11.50
2029	\$11.00
2030	\$10.00
2031	\$9.75
2032	\$9.50
2033	\$9.25
2034	\$9.00
2035	\$9.00
2036	\$9.00
2037	\$9.00
2038	\$9.00
2039	\$9.00
2040	\$9.00
2041	\$9.00

Books	Generic
Date Intervals	Annual
Peak Period Label	7x24
Study Portfolios	SunZia Wind Proforma Report_8-23-2023 - Wind Portfolio Shapes
Items	SunZia Wind 125MW (contract)
Stats	MEAN

Sum Column = 1 >>> 1 1 1 1 1 1 1

Value	Column Labels		System RA	Annual FRAC	MIC Cost	Congestion Cost	REC Value	Total Net Value
Row Labels	windGen - Generation - V	WINDTOTALCOST - 1	windGrossRevenue - G	WINDNETREVENUE - 1	Value	Cost	Value	Value
2026-01	257,865	15,342,983	15,336,586	-6,397	\$4,970,000	-\$1,200,000	-\$1,260,000	\$5,157,305
2027-01	369,450	21,982,251	21,211,928	-770,322	\$4,453,846	-\$1,200,000	-\$1,260,000	\$7,066,639
2028-01	369,450	21,982,251	19,001,217	-2,981,034	\$4,268,269	-\$1,200,000	-\$1,260,000	\$4,670,350
2029-01	369,450	21,982,251	17,665,090	-4,317,161	\$4,082,692	-\$1,200,000	-\$1,260,000	\$3,148,646
2030-01	369,450	21,982,251	18,091,279	-3,890,973	\$3,711,538	-\$1,200,000	-\$1,260,000	\$3,203,681
2031-01	369,450	21,982,251	18,688,153	-3,294,098	\$3,618,750	-\$1,200,000	-\$1,260,000	\$3,707,767
2032-01	369,450	21,982,251	19,588,591	-2,393,661	\$3,525,962	-\$1,200,000	-\$1,260,000	\$4,515,416
2033-01	369,450	21,982,251	20,858,040	-1,124,211	\$3,433,173	-\$1,200,000	-\$1,260,000	\$5,692,077
2034-01	369,450	21,982,251	22,031,598	49,347	\$3,340,385	-\$1,200,000	-\$1,260,000	\$6,772,847
2035-01	369,450	21,982,251	23,445,113	1,462,863	\$3,340,385	-\$1,200,000	-\$1,260,000	\$8,186,362
2036-01	369,450	21,982,251	25,050,858	3,068,607	\$3,340,385	-\$1,200,000	-\$1,260,000	\$9,792,106
2037-01	369,450	21,982,251	25,694,654	3,712,403	\$3,340,385	-\$1,200,000	-\$1,260,000	\$10,435,903
2038-01	369,450	21,982,251	25,250,588	3,268,337	\$3,340,385	-\$1,200,000	-\$1,260,000	\$9,991,836
2039-01	369,450	21,982,251	24,631,874	2,649,623	\$3,340,385	-\$1,200,000	-\$1,260,000	\$9,373,122
2040-01	369,450	21,982,251	23,485,083	1,502,832	\$3,340,385	-\$1,200,000	-\$1,260,000	\$8,226,331
2041-01	111,584	6,639,267	6,851,097	211,830	\$145,385	-\$1,200,000	-\$394,614	-\$265,713
Total	5,541,744	329,733,764	326,881,749	-2,852,015	55,592,308	-19,200,000	-23,188,155	\$101,027,016
\$/MWh		\$59.50	\$58.99	(\$0.51)	\$10.03	(\$3.46)	(\$3.64)	\$18.23

Fair Market Value (\$/MWh): \$77.73