
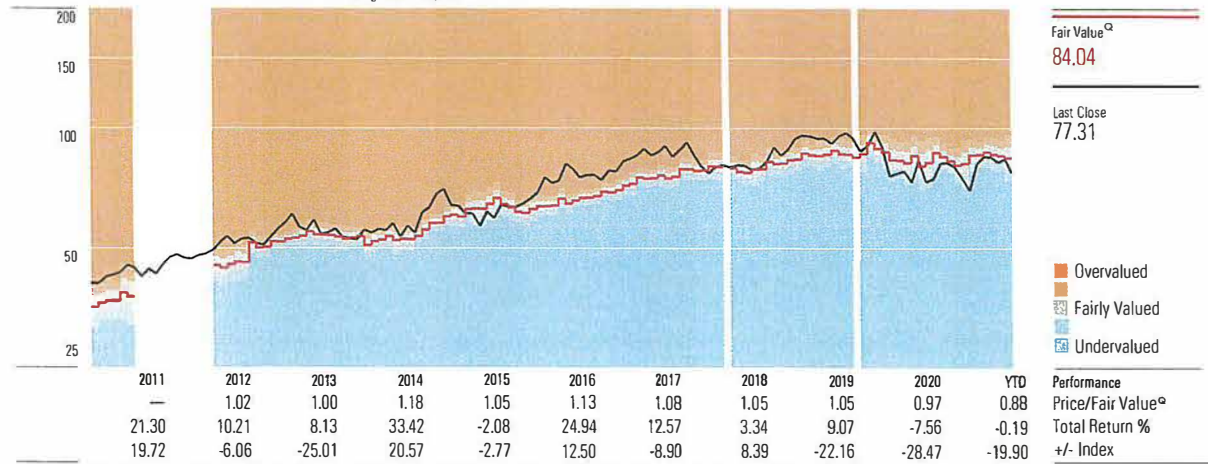


Pinnacle West Capital Corp PNW ★★★ Q 27 Aug 2021, 22:39 UTC

Economic Moat ^α Narrow	Uncertainty ^α Medium	Price/Fair Value ^α 0.9	ESG Risk Rating Assessment ¹  4 Aug 2021 05:00, UTC	Trailing Dividend Yield % 4.29	Market Cap 8.6518 Bil	Investment Style Mid Value	Sector Utilities	Industry Utilities - Regulated Electric
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Total Return % as of 27 Aug 2021. Last Close as of 27 Aug 2021. Fair Value as of 27 Aug 2021, 22:39 UTC. Index: Morningstar US Market TR USD.
¹The ESG Risk Rating Assessment is a representation of Sustainalytics' ESG Risk Rating. There is no one analyst in which a Quantitative Fair Value Estimate and Quantitative Star Rating are attributed to; however, Mr. Lee Davidson, Head of Quantitative Research for Morningstar, Inc., is responsible for overseeing the methodology that supports the quantitative fair value. As an employee of Morningstar, Inc., Mr. Davidson is guided by Morningstar, Inc.'s Code of Ethics and Personal Securities Trading Policy in carrying out his responsibilities. For information regarding Conflicts of Interests, visit <http://global.morningstar.com/equitydisclosures>.

Valuation ^α as of 27 Aug 2021



Fair Value ^α
84.04
Uncertainty ^α
Medium
Last Close
77.31

PNW is Under Valued at a 8% discount.

Economic Moat ^α
Narrow
Financial Health ^α
Moderate
1-Star Price ^α
> 95.92
5-Star Price ^α
< 73.63

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Financials as of 27 Aug 2021 (Fiscal Year End 31 Dec 2020)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	YTD	Fiscal
Revenue (Mil)	3,241	3,302	3,455	3,492	3,495	3,499	3,565	3,691	3,471	3,587	1,697	Revenue (Mil)
Operating Income (Mil)	747	852	846	811	855	836	910	774	672	788	326	Operating Income (Mil)
Operating Margin (%)	23.03	25.8	24.5	23.23	24.45	23.88	25.52	20.96	19.36	21.97	19.21	Operating Margin (%)
Net Income (Mil)	339	382	406	398	437	442	488	511	538	551	251	Net Income (Mil)
Diluted Earnings/Share	3.09	3.45	3.66	3.58	3.92	3.95	4.35	4.54	4.77	4.87	2.22	Diluted Earnings/Share
Operating Cash Flow (Mil)	1,126	1,171	1,153	1,100	1,094	1,023	1,118	1,277	957	966	312	Operating Cash Flow (Mil)
Capital Spending (Mil)	-884	-890	-1,016	-911	-1,076	-1,275	-1,409	-1,178	-1,191	-1,327	-681	Capital Spending (Mil)
Free Cash Flow (Mil)	241	282	137	189	18	-252	-291	99	-235	-360	-369	Free Cash Flow (Mil)
Avg Shares Outstand (Mil)	110	111	111	111	112	112	112	113	113	113	113	Avg Shares Outstand (Mil)
Dividend Per Share	2.10	2.12	2.20	2.30	2.41	2.53	2.66	2.82	3.00	3.18	3.32	Dividend Per Share

Valuation as of 27 Aug 2021

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Current	Calendar
Price/Fair Value ^α	—	1.02	1.00	1.18	1.05	1.13	1.08	1.05	1.05	0.97	0.92	Price/Fair Value ^α
Price/Sales	1.60	1.71	1.70	2.19	2.06	2.50	2.70	2.59	2.85	2.57	2.37	Price/Sales
Price/Earnings	16.33	14.57	14.38	18.22	17.91	20.32	18.36	18.93	20.25	14.25	15.13	Price/Earnings
Price/Cash Flow	4.80	4.81	5.22	6.54	6.96	8.41	9.28	7.34	8.80	10.10	9.61	Price/Cash Flow
Price/Book	1.35	1.41	1.36	1.68	1.54	1.79	1.85	1.78	1.82	1.54	1.53	Price/Book

Operating Performance as of 27 Aug 2021 (Fiscal Year End 31 Dec 2020)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	Q3	Fiscal (%)
Return on Assets	2.67	2.88	3.02	2.86	2.98	2.85	2.96	2.95	2.98	2.86	1.05	Return on Assets
Return on Equity	9.05	9.79	9.94	9.29	9.77	9.42	9.96	9.99	10.11	9.95	3.78	Return on Equity
Rtn on Invested Capital	6.63	6.94	6.99	6.63	6.66	6.31	6.33	6.51	6.36	6.23	2.0	Rtn on Invested Capital

Business Description

Pinnacle West is a holding company whose principle subsidiary is Arizona Public Service. APS is a vertically integrated regulated utility that provides electric service to 1.3 million customers over a 35,000-square-mile service territory in Arizona, including the city of Phoenix. Approximately 35% of power sold comes from the company's 29% interest

in the nearly 4-gigawatt Palo Verde nuclear plant. Operated by APS, Palo Verde is the largest nuclear plant in the U.S. APS has invested approximately \$675 million in the utility-scale photovoltaic solar plants as part of the AZ Sun Program, resulting in 170 MW of solar capacity owned by APS and over 1,000 MW of contracted solar energy from power purchase agreements.

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Morningstar's quantitative equity ratings consist of: (i) Quantitative Fair Value Estimate, (ii) Quantitative Star Rating, (iii) Quantitative Uncertainty, (iv) Quantitative Economic Moat, and (v) Quantitative Financial Health (collectively the "Quantitative Ratings").

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- i. **Quantitative Fair Value Estimate:** Intended to represent Morningstar's estimate of the per share dollar amount that a company's equity is worth today. Morningstar calculates the Quantitative Fair Value Estimate using a statistical model derived from the Fair Value Estimate Morningstar's equity analysts assign to companies. Please go to <http://global.morningstar.com/equitydisclosures> for information about Fair Value Estimate Morningstar's equity analysts assign to companies.
- ii. **Quantitative Economic Moat:** Intended to describe the strength of a firm's competitive position. It is calculated using an algorithm designed to predict the Economic Moat rating a Morningstar analyst would assign to the stock. The rating is expressed as Narrow, Wide, or None.
 - Narrow – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 70% but less than 99%.
 - Wide – assigned when the probability of a stock receiving a "Wide Moat" rating by an analyst is greater than 99%.
 - None – assigned when the probability of an analyst receiving a "Wide Moat" rating by an analyst is less than 70%.
- iii. **Quantitative Star Rating:** Intended to be the summary rating based on the combination of our Quantitative Fair Value Estimate, current market price, Quantitative Uncertainty Rating, and momentum. The rating is expressed as One-Star, Two-Star, Three-Star, Four-Star, and Five-Star.
 - One-Star** – the stock is overvalued with a reasonable margin of safety.
*Log (Quant FVE/Price) < -1*Quantitative Uncertainty*
*Micro-Caps: Log (Quant FVE/Price) < -1.5*Quantitative Uncertainty*
 - Two-Star** – the stock is somewhat overvalued.
*Log (Quant FVE/Price) between (-1*Quantitative Uncertainty, -0.5*Quantitative Uncertainty)*
*Micro-Caps: Log (Quant FVE/Price) between (-1.5*Quantitative Uncertainty, -0.75*Quantitative Uncertainty)*
 - Three-Star** – the stock is approximately fairly valued.
*Log (Quant FVE/Price) between (-0.5*Quantitative Uncertainty, 0.5*Quantitative Uncertainty)*
*Micro-Caps: Log (Quant FVE/Price) between (-0.75*Quantitative Uncertainty, 0.75*Quantitative Uncertainty)*
 - Four-Star** – the stock is somewhat undervalued.
*Log (Quant FVE/Price) between (0.5*Quantitative Uncertainty, 1*Quantitative*

Uncertainty)

- Micro-Caps: Log (Quant FVE/Price) between (0.75*Quantitative Uncertainty, 1.5*Quantitative Uncertainty)*
- Five-Star** – the stock is undervalued with a reasonable margin of safety.
*Log (Quant FVE/Price) > 1*Quantitative Uncertainty*
*Micro-Caps: Log (Quant FVE/Price) > 1.5*Quantitative Uncertainty*

After the initial calculation for the star rating, there is a final filtering step based on the momentum of the company. We rank the companies based on their 12-1 month momentum, then restrict those below the 30th percentile to a maximum of 3 stars.

iv. **Quantitative Uncertainty:** Intended to represent Morningstar's level of uncertainty about the accuracy of the Quantitative Fair Value Estimate. Generally, the lower the Quantitative Uncertainty, the narrower the potential range of outcomes for that particular company. The rating is expressed as Low, Medium, High, Very High, and Extreme.

- Low** – the interquartile range for possible fair values is less than 10%
- Medium** – the interquartile range for possible fair values is less than 15% but greater than 10%
- High** – the interquartile range for possible fair values is less than 35% but greater than 15%
- Very High** – the interquartile range for possible fair values is less than 80% but greater than 35%
- Extreme** – the interquartile range for possible fair values is greater than 80%

v. **Quantitative Financial Health:** Intended to reflect the probability that a firm will face financial distress in the near future. The calculation uses a predictive model designed to anticipate when a company may default on its financial obligations. The rating is expressed as Weak, Moderate, and Strong.

- Weak** – assigned when Quantitative Financial Health < 0.2
- Moderate** – assigned when Quantitative Financial Health is between 0.2 and 0.7
- Strong** – assigned when Quantitative Financial Health > 0.7

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- i. **Last Close** – Price of the stock as of the close of the market of the last trading day before date of the report.
- ii. **Quantitative Valuation**– Using the below terms, intended to denote the relationship between the security's Last Price and Morningstar's quantitative fair value estimate for that security.
 - Undervalued** – Last Price is below Morningstar's quantitative fair value estimate.
 - Fairly Valued** – Last Price is in line with Morningstar's quantitative fair value estimate.
 - Overvalued** – Last Price is above Morningstar's quantitative fair value estimate.

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