

# **Update POW - BUY**

Tuesday, June 06, 2023



ACBS Research Department Tel: (+84) (28) 3823 4159 (ext: 354)

www.acbs.com.vn Bloomberg: ACBS <GO> 1



6-Jun-23

## Mr. Toan Pham

(+84 28) 3823 4159 - Ext: 250 toanpd@acbs.com.vn

# **Company Initiation**

Recommendation	BUY
	<b>HOSE: POW</b>
	Utility
Current price (VND)	13,950
Target price (VND)	16,651
Expected share price return	19.4%
Expected dividend yield	0.0%
Expected total return	19.4%

#### Stock performance (%)

-	YTD	1M	3M	12M
Absolute	30.5	6.9	13.0	3.3
Relative	20.8	1.1	5.4	16.7
		Sou	rce: Bloc	mberg



#### Ownership

PVN	79.94%
Norges Bank	1.27%

Stock Statistics	Jun-06-23
Bloomberg code	POW VN
52-week range (VND)	16,400-8,910
Shares (mil)	2,342
Mkt cap (VND bn)	32,671
Mkt cap (USD bn)	1.39
Foreign room left (mil)	959
Est. free float (mil)	345
3m avg daily vol (mil shrs)	7.7
USD/VND	23,550
Index: VNIndex / HNX	1,090.8 / 226.0

# Petrovietnam Power Corporation (Hose: POW)

POW is currently the largest publicly traded company in generating and selling electricity from natural gas. Owning seven (7) power facilities with 4,200 MW including: hydro, coal-fired and especially gas turbines, in which Nhon Trach 2 Thermal Power JSC (HOSE: NT2) as a primary representative. In addition, POW is projecting other substantial generators such as Nhon Trach 3 & 4 (NT3 &4), which offer an attractive growth outlook. We issue a BUY recommendation on POW with a target price of 16,651 VND, representing a 19.4% total expected return.

Complying with the objectives outlined in National Power Plan VIII (PP8), which was officially authorized by the Prime Minister in mid-May 2023 for the 2021 – 2030 period, which stipulated that the electricity industry must advance one-step ahead in order to pave the way for sustainable economy development, energy demand and national energy security. Furthermore, in accordance with commitments made at COP 26 & 27, the Government has set the target of seek and utilizing greener and friendlier environmental energy, with less carbon emission that contributes to global warming and the greenhouse effect. As a result, gas turbines becomes the most promising contender to supplant coal-fired power facilities, which serves as foundation sources and enhance renewable energy simultaneously.

According to NOAA, the first year of El Nino cycle's two-year period will occur in 2023, resulting in lower precipitation than many years' average, longer sunlight hours and higher average temperature. This would increase the power mobilization output from thermal group in the expense of hydropower. Therefore, it is expected to bode well for thermal groups to post a strong result during 2023 – 2024 period.

POW has a solid financial situation, together with strong operating cash flow from its energy-mixed portfolio, which is capable of generating up to 23 bn kWh annually (almost 10% of national energy demand). Moreover, NT3 & 4 project – 1,624 MW, which will be the first gas turbines using imported LNG, would serve as a catalyst for the corporation's growth after 2024.

Unit: bn VND	2021	2022	2023F	2024F	2025F
Net Sales	24,561	28,224	35,827	39,883	45,708
Growth	-17%	15%	27%	11%	15%
EBITDA	5,218	5,668	6,750	8,058	8,485
EBITDA margin	21%	20%	19%	20%	19%
Net Profit	1,799	2,061	3,182	4,245	3,275
Growth	-24%	15%	54%	33%	-23%
EPS: VND	687	802	1,279	1,734	1,319
Growth	-32%	17%	59%	36%	-24%
ROE	6%	6%	9%	11%	8%
ROA	3%	4%	5%	5%	4%
Net debt / EBITDA (x)	(0.1)	(0.2)	1.4	2.4	1.6
EV / EBITDA (x)	6.2	5.8	6.3	6.4	5.4
EV / Sales (x)	1.3	1.2	1.2	1.3	1.0
P/E (x)	15.8	17.8	10.0	7.5	9.8
Р/В (х)	0.9	0.9	0.9	0.8	0.7
DPS: VND	200	-	-	-	-
Dividend Yield	1%	-	-	-	-





# **CORPORATION INFORMATION**

POW was founded in 2007, operating chiefly in the field of power generation. PV Power has invested and operated power plants across various fields of thermal power (both coal and gas), hydropower and other renewables. PV Power also develops services such as operations, maintenance and repair, electrical engineering services, fuel supply for power plants, etc. and has become the leading enterprise in the Gas-Electricity market in Vietnam. The Company officially transformed its operation model into a joint stock company from Jul 2018 and listed on HOSE from 2019.

# POW Organizational Chart (including ownership percentage of subsidiaries and associates)







## **PRIMARY ENERGY PORTFOLIO**

	Plants	Location	Ownership	Туре	Capacity: MW	COD	Capital: bn VND	Technology
1	CM1	Ca Mau	100%	Gas - Oil	750	2008	6,571	CCGT <sup>1</sup>
2	CM2	Ca Mau	100%	Gas - Oil	750	2008	6,153	CCGT
3	NT1	Dong Nai	100%	Gas - Oil	450	2009	6,344	CCGT
4	NT2	Dong Nai	59%	Gas - Oil	750	2011	11,355	CCGT
5	VA1	Ha Tinh	100%	Coal -Fired	1,200	2015	33,651	Critical
6	Hua Na	Nghe An	81%	Hydro	180	2013	7,092	Francis Turbine
7	Dakdrinh	Quang Ngai	95%	Hydro	125	2014	5,921	Francis Turbine
	Total				4,205			
								Sources: POW, ACBS.

Four (4) chief gas-fired plants, including NT1 & 2 and CM1 & 2, together with the coal thermal plants – VA1 have historically contributed over 90% of POW's total output and account for a significant portion in POW's revenue and profit.

Output: mil kWh	2018	2019	2020	2021	2022
CM 1 & 2	7,211	7,556	6,498	4,300	3,800
NT2	4,737	4,952	3,903	3,195	4,065
VA1	4,877	5,771	6,544	5,500	3,318
NT1	2,935	3,255	1,148	445	1,404
Hua Na	806	560	566	563	829
Dakdrinh	423	433	505	620	776
Nam Cat	18	17	-	-	-
POW	21,007	22,543	19,164	14,623	14,192
				Sources:	POW, ACBS.

#### On Process Project: NT3 & 4

The initial inclusion of the NT3 & 4 project in PP7, followed by its transfer to PP8, as the first gas turbines using imported LNG, is anticipated to serve as a model for subsequent LNG gas turbines projects.

Recently, POW has successfully signed up to 17 out of 18 construction contracts of the project.

On Mar 3rd, 2023 POW and Electricity Power Trading Company (EPTC) signed the Minutes of the meeting to negotiate the price and the Power Purchase Agreement (PPA) for NT3 & 4, agreeing to and initialing the preliminary.

Gas Sale Agreement (GSA): The Corporation is contemplating Heads of Agreement (HOA) with PV Gas to be signed by both parties as a basis for PV Gas to prepare and arrange LNG supply.

<sup>1</sup> CCGT: Combined Cycle Combustion Turbine

# Update POW - BUY

6-Jun-23

	NT3 & 4	Details
Equipment supplier	GE	General Electric (America)
Technology	H class gas turbine	
Model	9HA	Most GE's currently efficient technology
Life expectancy	20 years	
Constructor	Samsung C & T Corporation & Lilama	
Construction Agreement	EPC	Engineering, Procurement & Construction
Fuel	Imported LNG	<ul> <li>First imported LNG usage power plant</li> <li>Expected 1.5 bn m<sup>3</sup>/year</li> </ul>
Efficiency	>60%	
Expected yearly output	9 bn kWh	
Equity	25%	7,000 bn VND financed by POW
Credit	75%	<ul> <li>Nearly 15,000 bn VND arranged by Export Credit Arrangement (ECA) with support from ING Bank (Netherlands) and Citi Bank (USA).</li> <li>Over 7,000 bn VND from foreign funds</li> </ul>
Maintenance	GE	POW and GE had signed Heads of Agreement (HOA) overhaul and maintenance contracts.

### **INVESTMENT THESIS**

#### **Energy Demand.**

ACBS

Vietnam is still a developing nation engaged in the industrialization and modernization; hence, the scale for energy require will remain substantial in the future. In the past five years, the average annual increase in energy consumption has ranged between 8 and 9 percent, or roughly one-half of GDP growth.



#### **Orientation Regarding National Sources of Energy.**

According to PDP8, gas power is used to gradually supplant coal-fired to achieve the commitments on carbon emissions neutralized after 2050, serve as a foundation for sustainable economic development and national energy security, as well as support

ACBS Research Department Tel: (+84) (28) 3823 4159 (ext: 354)

www.acbs.com.vn Bloomberg: ACBS <GO>



for the energy transition to renewable sources such as hydroelectricity, solar power or wind power which contain the primary disadvantage of being unstable and highly reliant on weather conditions depending on each type.

In the most positive scenario for gas power, coal-fired would only develop additionally about 4,300 MW by the end of 2030 as numerous projects have been cancelled due to problems in capital-arrangement issues. Instead, the Government aims for gas-fired power projects to reach over 37,000 MW by 2030. This means 28,000 MW of gas turbines capacity will be added to the nation's energy portfolio, including gas-fired power using domestic gas fields and imported LNG.

Capacity: MW	2022	2030F		
Coal-fired	25,820	30,127		
<b>Domestic Gas Power</b>	8,977	14,930		
LNG Gas Turbines	-	22,400		
Hydro	22,349	29,346		
<b>Onshore Wind Power</b>	4,126	21,880		
Offshore	-	6,000		
Solar	16,544	20,591		
Biomass	-	2,270		
Pumped-Hydro	-	2,400		
Battery	-	300		
Import	-	5,000		
Other	1,835			
Total	79,651	158,244		
Sources: MoIT, ACBS.				

#### Weather Advantages

According to the NOAA's most recent ENSO forecast model in May, 2023 compared to Feb, 2023, indicated the significant increase of El Nino's probability since mid 2023, from 15% to 81% in May and from 36% to 86% in June. As a result, we expect period from 2023 to 2024 will be more favorable for thermal groups generally over hydropower.





#### **Strong Financial Affaires.**

By the end of 2022, POW had 9,018 bn dong total debt, accounting only 16% of total assets. The operating cash flow (OCF) for five-year period from 2018 to 2022 averages over 5,300 bn dong, while net profit achieved 2,100 bn dong in average.

ACBS Re Tel: (+84) (2

ACBS Research Department Tel: (+84) (28) 3823 4159 (ext: 354)

www.acbs.com.vn Bloomberg: ACBS <GO>



6-Jun-23

Unit: bn dong	2018	2019	2020	2021	2022
Total debt	19,858	17,552	12,410	8,458	9,018
Equity	26,815	29,507	31,267	31,128	33,283
Asset	58,111	55,694	54,051	52,980	56,843
OCF	4,995	5,322	7,957	5,147	3,156
Net profit	1,920	2,509	2,365	1,799	2,061
				Sources:	POW, ACBS.

In the first quarter of 2023, POW produced 4 bn kWh, **+9%** YoY, resulting in 7,424 bn dong in revenue, **+5%** YoY and 535 bn dong net profit, **-26%** YoY. The underlying reason of decline in net profit is as combination of the remaining high of input fossil fuel materials, and the El Nino effect, which caused EVN to mobilize more energy volume from thermal groups. Besides, interest expenses rose **+144%** YoY, reaching 132 bn dong.

Unit: bn dong	Q1 2022	Q1 2023	YoY
Output: tr kWh	3,666	4,003	9%
Revenue	7,061	7,424	<b>5%</b>
Gross profit	1,027	679	-34%
Interest expenses	54	132	144%
Net profit	721	535	<b>-26</b> %
		Sources: P	OW, ACBS.

# VALUATION

#### 2023F

POW is scheduled to carry out major overhauls for CM2 and NT2 in 2023, estimated about 45 days for each, in conjunction with replacing several necessary equipment for VA1, with completion anticipated in Q3 2023. However, we project the total output would be able to reach 19.6 bn kWh thanks to the significant El Nino effect forcing EVN to maximize the mobilization of thermal power, resulting in 35,827 bn dong in revenue, **+27%** YoY, and 4,775 bn in gross profit, **+28%** YoY given assumption of a slight decrease in oil, coal and gas prices. In 2023, we forecast POW's net profit would be 3,182 bn dong, **+54%** YoY.

#### 2024F

Given the two-year El Nino cycle from 2023 to 2024 and the expectation that oil prices will fall to 75 \$ / brrl, resulting in approximately 8.14 USD per MMBtu, we forecast POW will achieve a remarkable result. 2024 production output could reach 23.1 bn kWh, generating 39,883 bn dong in revenue, 6,083 bn in gross profit, and 4,245 bn in net profit.

#### 2025F

We expect 2025 will witness the return of La Nino cycle, which will shift the weather preference towards hydroelectricity groups, and likely lead to a decline in POW's production volume. With the addition of NT3 & 4 facilities; nevertheless; we forecast the corporation's output to reach 26.5 bn kWh, generating 45,708 bn dong revenue in 2025, bringing in 5,130 bn dong in gross profit and net profit of 3,275 bn dong.

ACBS Research Department Tel: (+84) (28) 3823 4159 (ext: 354)

www.acbs.com.vn Bloomberg: ACBS <GO> 7



2023F	2024F	2025F
85	75	75
8.68	8.14	8.14
19.6	23.1	26.5
7,020	7,884	6,264
2,916	3,110	1,814
3,888	4,590	4,320
618	572	653
551	437	502
4,608	6,552	5,544
-	-	7,454
1,828	1,723	1,721
35,827	39,883	45,708
31,052	33,800	40,578
3,182	4,245	3,275
	85 8.68 <b>19.6</b> 7,020 2,916 3,888 618 551 4,608 - 1,828 <b>35,827</b> 31,052	85         75           8.68         8.14           19.6         23.1           7,020         7,884           2,916         3,110           3,888         4,590           618         572           551         437           4,608         6,552           1,828         1,723           35,827         39,883           31,052         33,800

Applying the combination of FCFF and P/E metric in equal weights, we derive the target price of **16,651 dong per share** and issue a **BUY** recommendation with total expected return of **19.4%**, equivalent to 2023 P/E forward: 10 times.

	2023 - 2025		2026 - 203
	2025 - 2025		2020 - 2030
R <sub>f</sub>	3.7%	R <sub>f</sub>	2.5%
E(R) <sub>m</sub>	11.1%	E(R) <sub>m</sub>	10.0%
Beta	1.3	Beta	1.3
K <sub>e</sub>	13.3%	K <sub>e</sub>	12.1%
K <sub>d</sub>	5.2%	K <sub>d</sub>	4.1%
WACC	11.5%	WACC	9.0%
Growth	5%	Growth	5%



# ACBS

# Update POW - BUY

6-Jun-23

POW FINANCIALS MODEL	Price: VND	13,950	Target: VND	16,651	Mkt cap: bn VND	32,671
Unit: bn VND except where stated		2021	2022	2023F	2024F	2025F
Total sales		24,561	28,224	35,827	39,883	45,708
Growth		-17%	15%	27%	11%	15%
COGS		22,021	24,498	31,052	33,800	40,578
EBITDA		5,218	5,668	6,750	8,058	8,485
EBITDA margin		21%	20%	19%	20%	19%
Depreciation		2,818	2,809	2,810	2,810	4,581
Operating profit		2,460	2,765	3,901	5,196	4,048
Operating profit margin		10%	10%	11%	13%	9%
Net interest expense		191	119	37	82	(122)
as % of avg, net debt		-65%	-13%	0%	0%	-1%
Interest cover (x)		12.6	24.0	105.2	63.7	(32.1)
Тах		164	240	360	486	374
<i>Tax rate</i>		7%	9%	9%	9%	9%
Net profit		1,799	2,061	3,182	4,245	3,275
Net profit margin		7%	7%	9%	11%	7%
Cash earning		4,617	4,870	5,992	7,055	7,857
Number of shares (m)		2,342	2,342	2,342	2,342	2,342
EPS (VND)		687	802	1,279	1,734	1,319
EPS growth		-32%	17%	59%	36%	-24%

# Update POW - BUY



6-Jun-23

KEY CASHFLOW AND BS ITEMS	2021	2022F	2023F	2024F	2025F
Increase in working capital: bn VND	(661)	2,300	1,407	1,217	2,789
Capex: bn VND	284	2,599	16,084	16,084	229
Change in investment in affiliates: bn VND	472	(17)	-	-	-
Other cashflow items	92	832	1,276	1,581	1,312
Free cash flow: bn VND	5,558	786	(10,222)	(8,665)	6,150
Share issues: bn VND	-	-	-	-	-
Dividends paid: bn VND	710	199	410	585	702
Increase in net debt: bn VND	(4,848)	(587)	10,632	9,250	(5,448)
Net debt, end of year: bn VND	(296)	(883)	9,749	18,999	13,550
Shareholders' equity: bn VND	31,128	33,283	36,279	40,340	43,430
BVPS: VND	13,291	14,211	15,491	17,225	18,545
Net debt / equity	-1.0%	-2.7%	26.9%	47.1%	31.2%
Net debt / EBITDA (x)	(0.1)	(0.2)	1.4	2.4	1.6
Total assets: bn VND	52,979	56,842	67,342	84,271	81,967

KEY RETURN AND VALUATION RATIOS	2021	2022	2023F	2024F	2025F
ROE	6%	6%	9%	11%	8%
ROA	3%	4%	5%	5%	4%
ROIC	6%	7%	8%	8%	6%
WACC	-	11%	11%	11%	11%
EVA	6%	-5%	-4%	-4%	-6%
P/E (x)	15.8	17.8	10.0	7.5	9.8
EV/EBITDA (x)	6.2	5.8	6.3	6.4	5.4
EV/FCF (x)	5.8	41.6	(4.1)	(5.9)	7.5
P/B (x)	0.9	0.9	0.9	0.8	0.7
P/S (x)	1.2	1.1	0.9	0.8	0.7
EV/sales (x)	1.3	1.2	1.2	1.3	1.0
Dividend yield	1%	-	-	-	-





# Update POW - BUY 6-Jun-23

# CONTACTS

# Ho Chi Minh City Head Office

117 Nguyen Dinh Chieu, Dist. 1, Ho Chi Minh City Tel: (+84 28) 3823 4159 Fax: (+84 28) 3823 5060

# **RESEARCH DEPARMENT**

Manager- Property Truc Pham (+84 28) 3823 4159 (x303) trucptt@acbs.com.vn Manager– Financials Hung Cao (+84 28) 3823 4159 (x326) hungcv@acbs.com.vn

**Associate – Construction** 

(+84 28) 3823 4159 (x325)

huyha@acbs.com.vn

materials

**Huy Huynh** 

Associate – Consumer-related, Media Trung Tran (+84 28) 3823 4159 (x351) trungtn@acbs.com.vn

Analyst – Technical Phuoc Luong (+84 28) 3823 4159 (x354) phuocld@acbs.com.vn Associate – Derivatives, Macro **Minh Trinh** 

(+84 28) 3823 4159 (x352)

minhtvh@acbs.com.vn

# Hanoi Office

10 Phan Chu Trinh, HoanKiem Dist., Ha Noi Tel: (+84 24) 3942 9395 Fax: (+84 24)3942 9407

Associate – Consumerrelated, Technology Chi Luong (+84 28) 3823 4159 (x327) chiltk@acbs.com.vn

Associate – Energy Toan Pham (+84 28) 3823 4159 (x325) toanpd@acbs.com.vn

Associate – Technical Huu Vo (+84 28) 3823 4159 (x352) huuvp@acbs.com.vn Associate- Oil & Gas Hung Phan (+84 28) 38234159 (x354) hungpv@acbs.com.vn

Associate – Macro Hoa Nguyen (+84 28) 3823 4159 (x352) hoant@acbs.com.vn

Director – Institutional sales Huong Chu (+84 28) 3824 6679 huongctk@acbs.com.vn

Customer Support Institutional Client Thanh Le (+84 28) 3823 4798

thanhInt@acbs.com.vn

Thanh Tran (+84 28) 3824 7677 thanhtt@acbs.com.vn Trader Phuong Chu (+84 28) 3823 4159 (x357) phuongctm@acbs.com.vn Trader Dung Ly (+84 28) 3823 4159 (x313) dungln.hso@acbs.com.vn Trader Nhi Nguyen (+84 28) 3823 4159 (x315) nhinp@acbs.com.vn



ACBS Research Department Tel: (+84) (28) 3823 4159 (ext: 354)

<u>www.acbs.com.vn</u> Bloomberg: ACBS <GO>



# DISCLAIMER

# **Our Recommendation System**

**BUY:** where we believe prospective 12 month VND total return (including dividends) will be 15% or more. **NEUTRAL:** where we believe it will be -15% to 15%. **SELL:** where we believe it will be lower than -15%.

# Analyst Certification(s)

We, the author(s) of this report, hereby certify (1) that the views expressed in this research report accurately reflect our personal views about any or all of the subject securities or issuers referred to in this research report and (2) no part of our compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

## **Important Disclosures**

ACBS and/or an affiliate thereof (hereby collectively called ACBS) did or may seek to do business with companies covered in this report as its routine business. ACBS's proprietary trading accounts may have a position in such companies' securities. As a result, the investor should be aware that ACBS may have a conflict of interest from time to time.

ACBS produces a variety of research products including, but not limited to, fundamental analysis, equity-linked analysis, quantitative analysis, and trade ideas. Recommendations contained in one type of research product may differ from recommendations contained in other types of research products, whether as a result of differing time horizons, methodologies, or otherwise.

## Disclaimer

This report is provided for information purposes only. ACBS makes no express or implied warranties, and expressly disclaims all warranties of merchantability or fitness for a particular purpose or use with respect to any data included in this report. ACBS will not treat unauthorized recipients of this report as its clients. Prices shown (if any) are indicative and ACBS is not offering to buy or sell or soliciting offers to buy or sell any financial instrument. Without limiting any of the foregoing and to the extent permitted by law, in no event shall ACBS, nor any affiliate, nor any of their respective officers, directors, partners, or employees have any liability for (a) any special, punitive, indirect, or consequential damages; or (b) any lost profits, lost revenue, loss of anticipated savings or loss of opportunity or other financial loss, even if notified of the possibility of such damages, arising from any use of this report or its contents. Other than disclosures relating to ACBS, the information contained in this report has been obtained from sources that ACBS believes to be reliable, but ACBS does not represent or warrant that it is accurate or complete. The views in this report are subject to change, and ACBS has no obligation to update its opinions or the information in this report.

Some parts of this report reflect the assumptions, views and analytical methods of the analysts who prepared them, and ACBS is not responsible for any error of their works and assumptions. ACBS may have issued, and may in the future issue, other reports that are inconsistent with, and reach different conclusions from, the information presented in this report.

The analyst recommendations in this report reflect solely and exclusively those of the author(s), and such opinions were prepared independently of any other interests, including those of ACBS. This report does not constitute personal investment advice or take into account the individual financial circumstances or objectives of the investors who receive it. The securities discussed herein may not be suitable for all investors. ACBS recommends that investors independently evaluate each issuer, securities or instrument discussed herein and consult any independent advisors they believe necessary. The value of and income from any investment may fluctuate from day to day as a result of changes in relevant economic markets (including changes in market liquidity). The information herein is not intended to predict actual results, which may differ substantially from those reflected. Past performance is not necessarily indicative of future results.

This report may not be distributed to the public media or used by the public media without prior written consent of ACBS. Otherwise it will be considered as illegal. The breacher shall compensate fully to ACBS any loss or damage which arises from such breach (if any).

In the event that the distribution and/or receipt of this report is prohibited by the investor's jurisdiction, the investor shall dismiss this report immediately otherwise it will be at his/her own risks.

ACBS does not provide tax advice and nothing contained herein should be construed to be tax advice. Accordingly, the investors should seek advice based on their particular circumstances from an independent tax advisor. This report may contain links to third-party websites. ACBS is not responsible for the content of any third-party website or any linked content contained in a third-party website. Content contained on such third-party websites is not part of this report and is not incorporated by reference into this report. The inclusion of a link in this report does not imply any endorsement by ACBS. Access to any third-party website is at the investor's own risks, and the investor should always review the terms and privacy policies at third-party websites before submitting any personal information to them. ACBS is not responsible for such terms and privacy policies and expressly disclaims any liability for them.

© Copyright ACBS (2023).All rights reserved. No part of this report may be reproduced in any manner without the prior written permission of ACBS.

