Sep. 27, 2022 [Vietnam] Utilities

Vinh Son - Song Hinh Hydropower JSC

(VSH VN)

Favorable conditions



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Investment highlights

Power demand is expected to grow rapidly towards 2030 and beyond: The Draft PDP8 forecasts annual power demand growth of approximately 9% during 2021-2030F, thanks to steady population growth and accelerating FDI inflows. By 7M22, the Manufacturing and Processing sector accounted for up to 74.6% of adjusted registered FDI, signifying strong power demand for manufacturing and business activities in the future.

Main beneficiaries of ongoing liberalisation in electricity market: Vinh Son - Song Hinh Hydropower JSC (VSH)'s low production costs make it competitive in selling electricity via the Competitive Generation Market. Moreover, the Vietnamese government's commitment to achieve netzero carbon emissions by 2050, as well as rapid increases in coal and gas prices, has helped improve the mobilization rate of hydropower compared with other power sources.

Thuong Kontum factory (220MW) began operations in April 2021: The plant supplies an estimated 814mn kWh of electricity each year, bringing total production capacity to 356MW. Currently, the company is negotiating with EVN to raise Thuong Kontum's average selling price from VND1,100/kWh to VND1,300/kWh. If successful, it would add an additional VND200bn in profit before tax per year.

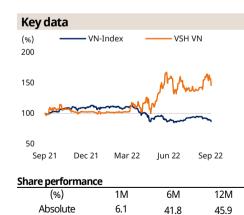
Higher-than-expected output, thanks to extended La Nina phase, which is expected to last until end-2022 (probability of 55%-65%): The General Department of Meteorology and Hydrology forecasts rainfall in the Central Highlands and South Central regions in 4Q22 to be 20-40% higher than the historical averages.

VSH has solid ownership structure, with 90.9% stake owned by three large shareholders: REE Energy successfully purchased 2.2mn VSH shares in May 2021, increasing its stake from 49.52% to 50.45%, and officially consolidated VSH's business results into its financial statements from 2Q21. With REE's support, we expect the negotiations over Thuong Kontum's selling price with EVN to accelerate.

Projections and valuation

Thanks to high output mobilization during La Nina and improved average selling prices, we expect VSH's commercial electricity volume to reach 2,298mn kWh in 2022F (+29.8% YoY), with net revenue and net profit of VND2,373bn (+47.3% YoY) and VND848bn (+118.7% YoY), respectively.

We initiate our coverage of VSH with a target price of VND48,645 (upside: 19.1%), combining both the Discounted Cash Flow (DCF) and EV/EBITDA methods. With regular cash dividends of VND1,000 thanks to stable operating cash flows, we recommend Trading Buy for VSH.



14.5

63.1

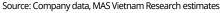
59.0

| Share price (09/26/2022, VND) | 40,850 | Market cap (VNDbn) | 9,650 |
|-------------------------------|--------|-------------------------|--------|
| OP (22F, VNDbn) | 1,311 | Shares outstanding (mn) | 236 |
| EPS growth (22F, %) | 119% | Free float (%) | 22.9 |
| Market EPS growth (22F, %) | n/a | Foreign ownership (%) | 11.5 |
| P/E (22F, x) | 11.4 | Beta (12M) | 0.6 |
| Market P/E (22F, x) | 12.5 | 52-week low (VND) | 26,550 |
| VN-Index | 1,174 | 52-week high (VND) | 48,000 |

| Earnings and valuation metrics |
|--------------------------------|
| FY (December 31) |
| Revenue (VNDbn) |

| FY (December 31) | FY18 | FY19 | FY20 | FY21 | FY22F | FY23F |
|--------------------|-------|------|------|-------|-------|-------|
| Revenue (VNDbn) | 564 | 400 | 341 | 1,611 | 2,373 | 1,706 |
| OP (VNDbn) | 324 | 174 | 114 | 770 | 1,311 | 714 |
| OP margin (%) | 57.4 | 43.5 | 33.4 | 47.8 | 55.2 | 41.8 |
| NP (VNDbn) | 307 | 158 | 190 | 388 | 848 | 354 |
| EPS (VND) | 1,489 | 766 | 921 | 1,642 | 3,591 | 1,500 |
| ROE (%) | 10.4 | 5.1 | 5.9 | 10.6 | 19.7 | 7.6 |
| P/E (x) | 27.4 | 53.3 | 44.3 | 24.9 | 11.4 | 27.2 |
| P/B (x) | 2.8 | 2.7 | 2.5 | 2.1 | 1.8 | 1.8 |
| Dividend yield (%) | 2.4 | - | - | 2.4 | 2.4 | 2.4 |

Notes: Non-GAAP; net profit refers to net profit attributable to controlling interests.





Relative

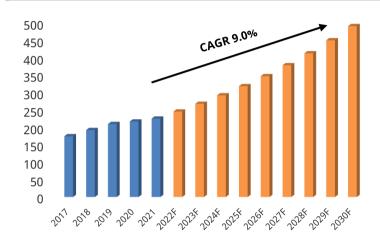
INVESTMENT HIGHLIGHTS

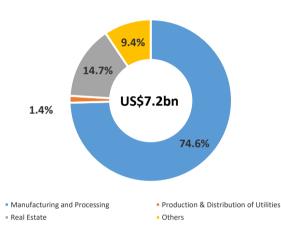
Power demand is expected to grow rapidly towards 2030 and beyond

Under the base-case scenario, the Draft PDP8 forecasts annual power demand growth of approximately 9% during 2021-2030F, as a result of an expected rapid economic recovery. Following the shift of supply chains from China and Russia, FDI inflows have accelerated since 2020. Breaking down adjusted registered FDI in 7M22, the Manufacturing and Processing sector accounted for the highest proportion, at 74.6%, signifying strong power demand for manufacturing and business activities in the future.

Figure 1. PDP8 power consumption forecast for 2021-2030F (bn kWh)

Figure 2. 7M22 adjusted registered FDI breakdown





Source: VSH, Mirae Asset Vietnam Research

Main beneficiaries of ongoing liberalisation in electricity market

Imported coal and gas prices have increased by five and three times, respectively, since the beginning of 2021, raising the costs of production for these electricity sources up to VND2,000/kWh, while hydroelectricity is below VND1,000/kWh. Thanks to hydropower's low CGM selling prices, EVN has proposed to mobilize hydropower to the maximum to compensate for the loss of coal and gas-fired power.

Meanwhile, Vietnam's commitments at COP26 to de-carbonize the economy and transition towards clean energy have also helped improve the mobilization rate of hydropower. During 2020-2022 (7M cumulative), the hydropower mobilization rate increased constantly from 21% to 33% and remains one of the most prioritized power sources.

11%

12%

14%

11%

Figure 3. EVN's power mobilization rates

7M/2022 33% 40%



51%

■ Coal thermal ■ Gas turbines ■ RE ■ Imported power ■ Others

Source: VSH, Mirae Asset Vietnam Research

25%

Hvdropower

7M/2021

Thuong Kontum factory (220MW) began operations since April 2021

Before 2021, VSH owned two hydropower plants (Vinh Son & Song Hinh), with a total capacity of 136MW. These factories have low annual production costs and make VSH competitive in the market, as they have almost been fully depreciated and also incurred low debts (borrowing for Thuong Kontum was capitalized).

In April 2021, Thuong Kontum (220MW) became operational after ten years of construction delays due to legal issues. The plant produces electricity volume of 814mn kWh per year, making VSH the largest hydropower company on HoSE, with total capacity of 356MW. In 1H22, Thuong Kon Tum contributed about 688mn kWh. We expect that Thuong Kontum's production volume can reach 589mn kWh in 2H22, thanks to sufficient water storage since end-2021 and favorable hydrological conditions. As a result, the total production volume of VSH in 2022F could reach 2,322mn kWh, triple the pre-2021 level.

Currently, the company is negotiating with EVN to increase average selling price of Thuong Kontum from VND1,100/KWh to VND1,300/kWh (+18.2% compared with the current price), with EVN to cover investment costs. If successful, it would add an additional VND200bn in profit before tax per year.

Figure 4. VSH total production volume & total capacity Figure 5. Total capacity of hydropower by company mn kWh MW MW 2,500 400 733 350 800 2,000 300 700 586 250 600 1,500 500 200 356 1,000 400 305 150 220 95 123 150 170 174 300 100 500 200 50 100 0 2017 2019 2021 2023F BSA SBA SJD SHP TMP CHP TBC SBH POW VSH PGV DNH Vinh Son - Song Hinh Thuong Kon Tum Total capacity

Source: VSH. Mirae Asset Vietnam Research

VSH capex details

Short term:

VSH plans to increase the storage capacity of the Vinh Son and Song Hinh reservoirs (total cost: VND100bn), to add an estimated 50mn kWh to annual production volume. The project's paperwork has been completed and is now ready to move forward.

Medium-long term:

Vinh Son 2 & 3's investment licenses were approved by the People's Committee of Binh Dinh in 2007, however, the projects were delayed due to relation to protected forest areas. Currently, the go-ahead for the projects was granted, and they will supply an estimated 366mn kWh and 113mn kWh, respectively, per year. We expect the Vinh Son 3 project to be prioritized, due to its lower investment cost and a reservoir area only falls within the buffer zone.

| Table 1. VSH capex details | | | | | |
|--|---------------|------------------|-------------|----------------------------------|------------------------|
| Projects | Operation | Capacity (MW) | River basin | Designed capacity (mn Kwh) | Total cost (VND bn) |
| Vinh Son (Binh Dinh) | 1994 | 66 | Kone | 305 | N/A |
| Song Hinh (Phu Yen) | 2001 | 70 | Hinh | 354 | N/A |
| Thuong Kontum (Kontum) | 2021 | 220 | Dak Snghe | 814 | 9,429 |
| Vinh Son - Song Hinh reservoirs upgrade | Expected 2023 | N/A | | 50 | 100 |
| Vinh Son 2 expansion (Gia Lai - Binh Dinh) | Halted | 80 | | 366 | 2,300 |
| Vinh Son 3 expansion (Binh Dinh) | Expected 2026 | 30 | | 113 | 777 |

Source: VSH, Mirae Asset Vietnam Research

Higher-than-expected hydropower output

Historically, La Nina and El Nino occur on average every two to five years. For this year, the International Research Institute (IRI) ENSO forecast that La Nina will remain until January 2023 in the Northern Hemisphere area, with a probability of around 55%-65%. In the Central Highlands and South-Central regions, the National Centre for Hydrometeorological Forecasting expects average levels of rainfall in 3Q22 and 20%-40% higher-than-average levels in 4Q22. After that, La Nina will weaken and gradually disappear over the next five to six months.

We expect VSH to enjoy a significant increase in electricity production volumes to 2,322mn kWh in 2022F (+29.6% YoY). The return of normal weather conditions will result in lower volumes of electricity production; we expect a 28.8% YoY decline in output to 1,653m kWh in 2023F.

Figure 6. ENSO forecast to Jan. 2023 La Nina probability 100% Neutral probability El Nino probability 50% 0

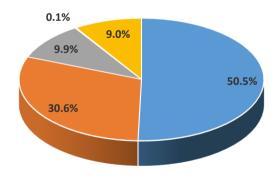
Source: IRI/CPC, Mirae Asset Vietnam Research

VSH has solid ownership structure, with 90.9% stake owned by 3 large shareholders

VSH's three largest shareholders are: 1) REE Energy Company Limited, owned by Refrigeration Electrical Engineering ISC (REE), with an ownership stake of 50.5%; 2) EVNGENCO 3 (PGV), with 30.6%; and 3) Foreign fund Samarang UCITS, with 9.9%. In May 2021, REE successfully acquired VSH, increasing its ownership stake from 49.52% to 50.45%, and started to consolidate VSH's business results into the financial statements from 2Q21. In order to improve its consolidated financial statements, we expect REE to try to accelerate the pace of negotiations with EVN over Thuong Kon Tum's selling price, and to provide additional financial support to VSH.

In addition, GENCO3 has planned to divest from VSH when Thuong Kontum went into stable operation and negotiated new selling prices with EVN, which we expect to provide a further catalyst to support VSH's share price in the short term.

Figure 7. VSH's ownership structure



- REE Energy Company Limited
- Power Generation Joint Stock Corporation 3
- Samarang UCITS Samarang Asian Prosperity
- Directors and related person ownership

Others

Source: VSH, Mirae Asset Vietnam Research

Projections and valuation

1. 1H22 highlights

By 1H22, VSH's net revenue increased by 113.4% YoY to reach VND1,470bn, completing 72.4% of the full year plan. Heavier rains in the South Central Coast and Central Highlands led to higher stored water volumes and commercial electricity volumes increased to 1,177mn kWh (+57.9% YoY), of which Thuong Kon Tum factory accounted for 59.3%. At the same time, VSH's average selling prices increased by about 38.4% YoY. Gross margin improved to 66% in 6M22 from 57.8% in 6M21.

Cost of goods sold (COGS) increased to VND500bn (+71.9% YoY), mostly due to higher resource tax and forest environmental service fees from Thuong Kon Tum; however, gross margin widened from 57.8% to 66%, as the increase in costs was much slower than that of revenue.

Interest expense from Thuong Kon Tum factory increased by VND111bn, resulting in a loss of VND217bn (6M21: loss of VND107bn). In all, net profit reached VND661bn (+179.3% YoY), completing 125.8% of the full-year plan.

By end-1H22, cash and short-term deposits amounted to VND304bn, equivalent to 3.1% of total assets. Financial leverage is reasonable, with a D/A of 0.48x and D/E of 1.06x. The company has repaid VND380bn of long-term debt over the past six months (7.5% of total debt); at the current pace, we expect VSH to pay off its current debt in 7–10 years.

| Table 2. Income statements to 1H22 | | | |
|------------------------------------|-------|-------|--------|
| (VNDbn) | 1H21 | 1H22 | YoY |
| Commercial volume (mn kWh) | 746 | 1,177 | 57.8% |
| Net revenue | 689 | 1,470 | 113.4% |
| COGS | 291 | 500 | 71.9% |
| Gross profit | 398 | 970 | 143.7% |
| Gross margin | 57.8% | 66.0% | |
| Selling expenses | - | - | - |
| Administrative expenses | 14 | 26 | 82.7% |
| SG&A as % of sales | 2.0% | 1.8% | |
| Operating profit | 384 | 944 | 145.9% |
| Operating margin | 55.7% | 64.2% | |
| EBITDA | 553 | 1,243 | 124.9% |
| EBITDA margin | 80.3% | 84.6% | |
| Net financial income | (107) | (217) | 102.4% |
| Net other income | (0) | (0) | |
| Profit before tax | 277 | 727 | 162.6% |
| Net profit | 237 | 661 | 179.3% |
| Net margin | 34.3% | 45.0% | |

Source: VSH, Mirae Asset Vietnam Research

2. Summarized forecasts

We project VSH's 2022F net sales and NPATMI of VND2,373bn (+47.3% YoY) and VND848bn (+118.7% YoY), respectively, with an estimated commercial electricity volume of 2,298mn kWh (+29.8% YoY). During 2021–2026F, we project net revenue and net profit to see a CAGR of 3% and 6%, respectively, based on the following assumptions:

• The La Nina phase will be extended until end-2022 and the El Nino phase will begin in 3Q23. After that, we assume each phase will last about two years. We expect the

- utilization rate of VSH's three plants in the rainy season to be 10% points higher than that of the dry season.
- We estimate the ASP of VSH's three plants to be VND1,000/kWh in 2022F (+19.1% YoY), reflecting the higher ceiling price of hydropower in the Competitive General Market due to strong demand recovery from COVID-19, as well as current coal supply shortages. We expect Thuong Kon Tum's ASP to remain at VND1,100/kWh in 2022F. From 2023F onwards, we expect VSH's ASP to increase by 2% per year to reflect rising power demand.
- VSH has sufficient cash balance to finance the Vinh Son 3 project (VND777bn), which we expect to be constructed in 2024 (before the Vinh Son 2 project), without the need for further borrowing.
- Thuong Kon Tum pays zero tax in the first four years of operation and pays 10% in the subsequent nine years.

| (VNDbn) | 2021 | 2022F | 2023F | 2024F | 2025F | 20261 |
|--|-------|-------|-------|-------|-------|-------|
| Commercial volume (mn | | | | | | |
| Kwh) | 1,771 | 2,298 | 1,620 | 1,553 | 1,397 | 1,646 |
| Net sales | 1,611 | 2,373 | 1,706 | 1,668 | 1,531 | 1,839 |
| Vinh Son - Song Hinh | 583 | 983 | 706 | 691 | 634 | 762 |
| Thuong Kon Tum | 1,028 | 1,390 | 1,000 | 977 | 897 | 1,07 |
| cogs | 842 | 1,003 | 941 | 941 | 880 | 969 |
| Vinh Son - Song Hinh | 271 | 401 | 376 | 376 | 352 | 388 |
| Thuong Kon Tum | 570 | 602 | 565 | 565 | 528 | 58: |
| Gross profit | 815 | 1,370 | 765 | 727 | 651 | 87 |
| SG&A expenses | 45 | 59 | 51 | 50 | 46 | 5 |
| Operating profit | 770 | 1,311 | 714 | 677 | 605 | 81: |
| EBITDA | 1,240 | 1,876 | 1,285 | 1,251 | 1,179 | 1,38 |
| Income from financial activities | 11 | 29 | 33 | 37 | 41 | 5 |
| Expenses of financial activities | 324 | 407 | 358 | 321 | 289 | 26 |
| Profit/loss from financial activities | (313) | (379) | (324) | (284) | (249) | (205 |
| Other income | - | - | - | - | - | |
| Other expenses | 5 | - | - | - | - | |
| Profit/loss from other activities | (5) | - | _ | - | _ | |
| Profit from affiliates | - | - | - | - | - | |
| Profit before tax | 452 | 932 | 389 | 393 | 356 | 61 |
| | | | | | | |
| Income tax | 64 | 84 | 35 | 35 | 52 | 88 |

| Net profit attributable to minority interest | - | - | - | - | - | - |
|--|-----|-----|-----|-----|-----|-----|
| Net profit attributable to equity shareholders | 388 | 848 | 354 | 358 | 304 | 522 |

Source: VSH, Mirae Asset Vietnam Research

3. Valuation

| Table 4. FCFF forecast for 2022F-2026F | | | | | | |
|--|-------|-------|-------|-------|-------|-------|
| (VNDbn) | 2021 | 2022F | 2023F | 2024F | 2025F | 2026F |
| Net profit attributable to equity | | | | | | |
| shareholders | 388 | 848 | 354 | 358 | 304 | 522 |
| + Depreciation | 470 | 565 | 572 | 574 | 574 | 574 |
| + Interest expenses after tax | 277 | 370 | 325 | 292 | 247 | 224 |
| - Bonus fund | - | - | - | - | - | - |
| - Interest income on initial cash position | (64) | (32) | (30) | (30) | (27) | (26) |
| Cash flow before WC movement | 1,071 | 1,752 | 1,221 | 1,194 | 1,099 | 1,295 |
| WC movement | (141) | 27 | 14 | 9 | 33 | 62 |
| Capital Expenditure | (507) | (185) | (111) | (237) | (239) | (240) |
| Free Cash Flow to Firm (FCFF) | 422 | 1,595 | 1,124 | 965 | 893 | 1,117 |

Source: VSH, Mirae Asset Vietnam Research

Table 5. Valuation

| WACC | | Present value | |
|------------------------|--------|-------------------------------------|-------------|
| Equity | 4,471 | Present value of first stage | 4,794 |
| Debt | 3,920 | WACC | 8.5% |
| E/(D+E) | 54.74% | Growth rate to perpetuity | 1.0% |
| D/(D+E) | 45.26% | Terminal value | 10,479 |
| ., | | Terminal value/ Total company value | 68.6% |
| Cost of debt | 8.60% | | |
| Tax rate | 9.00% | Intrinsic value | |
| After tax cost of debt | 7.83% | Total company present value | 15,273 |
| Risk free rate | 2.70% | - Debt | 3,920 |
| Beta | 0.85 | + Cash and cash equivalent | 620 |
| Expected market return | 10.20% | Net debt | 3,299 |
| Cost of equity | 9.08% | Present value of Equity YE | 11,974 |
| WACC | 8.51% | | |
| | | Outstanding number of shares | 236,241,246 |
| | | Present value per share | 50,684 |

We assume VSH's growth rate to perpetuity at 1%, as electricity is an essential sector that has stable growth over time. VSH's cost of debt is 8.6%, as most of its debts are long-term.

| Table 6. Relative valuation method | |
|------------------------------------|--------|
| | 2022F |
| EBITDA | 1,876 |
| EV/TTM EBITDA multiple | 7.5 |
| Enterprise value | 14,069 |
| - Debt | 3,920 |
| + Cash and cash equivalent | 620 |
| Equity value | 10,769 |
| Share price (EV/EBITDA) | 45,587 |
| | |

Source: VSH, Mirae Asset Vietnam Research

| Table 7. Consolidated results | | | |
|-------------------------------|--------|--------|------------------|
| Valuation model | Price | Weight | Weighted average |
| FCFF | 50,684 | 60% | 30,410 |
| EV/EBITDA | 45,587 | 40% | 18,235 |
| Average price | | | 48,645 |

Source: VSH, Mirae Asset Vietnam Research

We initiate our coverage of VSH with a target price of VND48,645 (upside: 19.1%), combining both the Discounted Cash Flow (DCF) and EV/EBITDA methods.

Risks

1. Natural risks

VSH's revenue can fluctuate, due to weather changes in its hydro plants' regions. The La Nina phase could last for a shorter-than-expected period, causing lower-than-expected (by 10%–30%) rainfall and electricity production volumes. Moreover, the region of the Thuong Kon Tum factory has recently experienced consecutive earthquakes, ranging from 2-4 magnitude, that could have caused damage to the current hydropower system; however, we note that the plant continues to operate stably.

2. Uncontrollable selling price

As EVN is the sole customer of VSH, electricity selling prices will largely be dependent on EVN's decisions; hence, they could be lower than expected, which would make it difficult for VSH to cover its investment costs.

3. Interest rate risk

Currently, VSH's net profit is under pressure from interest rate hikes, as total debt accounts for 48% of its total assets (mostly long-term debt incurred for the Thuong Kontum project). However, the risk remains under control, as VSH's long-term debt has relatively low interest rates of about 8%-9%. We believe cash flows from operating activities will improve and long-term debts reduced once Thuong Kontum enjoys stable operations. Moreover, VSH's large shareholders, like REE and GENCO3, will provide financial support.

VINH SON-SONG HINH HYDROPOWER JSC (VSH VN)

Comprehensive Income Statement (Summarized)

| • | • | | - | |
|-------------------------------------|-------|-------|-------|-------|
| (VNDbn) | 2020 | 2021 | 2022F | 2023F |
| Revenue | 341 | 1,611 | 2,373 | 1,706 |
| Cost of Sales | 204 | 796 | 1,003 | 941 |
| Gross Profit | 137 | 815 | 1,370 | 765 |
| SG&A Expenses | 23 | 45 | 59 | 51 |
| Operating Profit (Adj) | 114 | 770 | 1,311 | 714 |
| Operating Profit | 114 | 770 | 1,311 | 714 |
| Non-Operating Profit | 123 | (318) | (379) | (324) |
| Financial Income | 123 | 11 | 29 | 33 |
| Financial Expenses | 1 | 324 | 407 | 358 |
| Financial Profit | 122 | (313) | (379) | (324) |
| Other Profit | - | (5) | - | - |
| Net Gain from Inv in Associates | 1 | - | - | - |
| Pretax Profit | 237 | 452 | 932 | 389 |
| Income Tax | 47 | 64 | 84 | 35 |
| Profit from Continuing Operations | 237 | 452 | 932 | 389 |
| Profit from Discontinued Operations | - | - | - | - |
| Net Profit | 190 | 388 | 848 | 354 |
| Controlling Interests | 190 | 388 | 848 | 354 |
| Non-Controlling Interests | - | - | - | - |
| EBITDA | 197 | 1,240 | 1,876 | 1,285 |
| FCFF (Free Cash Flow to Firm) | (523) | 434 | 1,601 | 1,130 |
| EBITDA Margin (%) | 57.9% | 77.0% | 79.0% | 75.4% |
| Operating Profit Margin (%) | 33.4% | 47.8% | 55.2% | 41.8% |
| Net Profit Margin (%) | 55.7% | 24.1% | 35.8% | 20.8% |
| | | | | |

Statement of Financial Condition (Summarized)

| (54 | | ~, | |
|-------|---|--|---|
| 2020 | 2021 | 2022F | 2023F |
| 363 | 691 | 1,303 | 1,231 |
| 15 | 52 | 401 | 515 |
| 94 | 475 | 584 | 417 |
| 101 | 102 | 181 | 169 |
| 152 | 61 | 138 | 128 |
| 9,314 | 9,326 | 8,947 | 8,487 |
| 510 | 9,136 | 8,747 | 8,275 |
| 8,791 | 176 | 185 | 195 |
| - | - | - | - |
| 12 | 14 | 15 | 17 |
| 9,676 | 10,017 | 10,250 | 9,718 |
| 1,350 | 877 | 1,237 | 1,006 |
| 457 | 562 | 802 | 753 |
| 772 | 142 | 210 | 151 |
| 121 | 173 | 225 | 103 |
| 4,996 | 5,129 | 4,390 | 3,971 |
| 4,996 | 4,927 | 4,188 | 3,769 |
| - | 202 | 202 | 202 |
| 6,347 | 6,007 | 5,627 | 4,978 |
| 2,069 | 2,369 | 2,369 | 2,369 |
| 877 | 1,258 | 1,870 | 1,988 |
| 356 | 356 | 356 | 356 |
| 28 | 28 | 28 | 28 |
| 3,330 | 4,010 | 4,623 | 4,741 |
| | 2020 363 15 94 101 152 9,314 510 8,791 - 12 9,676 1,350 457 772 121 4,996 4,996 - 6,347 2,069 877 356 28 | 2020 2021 363 691 15 52 94 475 101 102 152 61 9,314 9,326 510 9,136 8,791 176 12 14 9,676 10,017 1,350 877 457 562 772 142 121 173 4,996 5,129 4,996 4,927 202 6,347 6,007 2,069 2,369 877 1,258 356 356 28 28 | 363 691 1,303 15 52 401 94 475 584 101 102 181 152 61 138 9,314 9,326 8,947 510 9,136 8,747 8,791 176 185 - - - 12 14 15 9,676 10,017 10,250 1,350 877 1,237 457 562 802 772 142 210 121 173 225 4,996 4,927 4,188 - 202 202 6,347 6,007 5,627 2,069 2,369 2,369 877 1,258 1,870 356 356 356 28 28 28 |

Cash Flows (Summarized)

| (VNDbn) | 2020 | 2021 | 2022F | 2023F |
|--------------------------------|-------|-------|-------|-------|
| Cash Flows from Op Activities | 235 | 754 | 1,441 | 940 |
| Net Profit | 221 | 397 | 848 | 354 |
| Non-Cash Income and Expense | (122) | 5 | 1 | - |
| Depreciation | 83 | 470 | 565 | 572 |
| Amortization | - | - | - | - |
| Net Interest Expense | 0 | 244 | - | - |
| Chg. in Working Capital | 52 | (362) | 27 | 14 |
| Chg. in AR & Other Receivables | 18 | (392) | (186) | 176 |
| Chg. in Inventories | 0 | 0 | (79) | 11 |
| Chg. in AP & Other Payables | 35 | 37 | 293 | (172) |
| Other adjustments | (1) | (7) | (1) | (2) |
| Cash Flows from Inv Activities | (688) | (325) | (185) | (111) |
| Chg. in PP&E | (822) | (328) | (185) | (111) |
| Chg. in Intangible Assets | - | - | - | - |
| Chg. in Financial Assets | 131 | - | - | - |
| Dividends & Interest Received | 3 | 3 | - | - |
| Cash Flows from Fin Activities | 397 | (392) | (908) | (714) |
| Chg. in Financial Liabilities | 397 | (692) | (672) | (478) |
| Chg. in Equity | - | 300 | - | - |
| Dividends Paid | - | - | (236) | (236) |
| Others | - | - | - | _ |
| Increase (Decrease) in Cash | (56) | 37 | 348 | 115 |
| Beginning Balance | 71 | 15 | 52 | 401 |
| Ending Balance | 15 | 52 | 401 | 515 |

Source: VSH, Mirae Asset Vietnam Research estimates

Forecasts/Valuations (Summarized)

| | 2020 | 2021 | 2022F | 2023F |
|----------------------------------|--------|--------|--------|--------|
| P/E (x) | 44.3 | 24.9 | 11.4 | 27.2 |
| P/B (x) | 2.5 | 2.1 | 1.8 | 1.8 |
| EV/EBIT (x) | 112.4 | 16.6 | 9.8 | 18.0 |
| EV/EBITDA (x) | 64.9 | 10.3 | 6.8 | 10.0 |
| EPS (VND) | 921 | 1,642 | 3,591 | 1,500 |
| BPS (VND) | 16,147 | 19,445 | 22,414 | 22,986 |
| DPS (VND) | - | 1,000 | 1,000 | 1,000 |
| Payout ratio (%) | 0.0% | 60.9% | 27.8% | 66.7% |
| Dividend Yield (%) | 0.0% | 2.4% | 2.4% | 2.4% |
| Revenue Growth (%) | -14.8% | 372.4% | 47.3% | -28.1% |
| EBITDA Growth (%) | -22.8% | 528.1% | 51.3% | -31.5% |
| Operating Profit Growth (%) | -34.5% | 575.4% | 70.2% | -45.6% |
| EPS Growth (%) | 20.3% | 78.3% | 118.7% | -58.2% |
| Asset Turnover (x) | 0.0 | 0.2 | 0.2 | 0.2 |
| Accounts Receivable Turnover (x) | 3.4 | 5.6 | 4.4 | 3.3 |
| Inventory Turnover (x) | 2.0 | 7.9 | 7.1 | 5.4 |
| Accounts Payable Turnover (x) | 0.4 | 1.6 | 1.5 | 1.2 |
| ROA (%) | 1.9% | 3.8% | 8.5% | 3.7% |
| ROE (%) | 5.9% | 10.6% | 19.7% | 7.6% |
| ROIC (%) | 1.3% | 8.3% | 14.9% | 8.5% |
| Liability to Equity Ratio (%) | 190.6% | 149.8% | 121.7% | 105.0% |
| Current Ratio (%) | 26.9% | 78.8% | 105.3% | 122.3% |
| Net Debt to Equity Ratio (%) | 171.7% | 124.1% | 84.2% | 69.6% |
| Interest Coverage Ratio (x) | 238.0 | 2.4 | 3.3 | 2.1 |
| | | | | |

APPENDIX 1

Important Disclosures & Disclaimers

2-Year Rating and Target Price History

| Company (Code) | Date | Rating | Target price |
|-------------------------------------|------------|-------------|-----------------|
| Vinh Son – Sona Hinh Hydropower ISC | 09/27/2022 | Trading Buv | 48.645 |



Stock Ratings **Industry Ratings** : Relative performance of 20% or greater Overweight

: Fundamentals are favorable or improving

Trading Buy : Relative performance of 10% or greater, but with volatility Neutral : Fundamentals are steady without any material changes

Hold : Relative performance of -10% and 10% Underweight : Fundamentals are unfavorable or worsening

Sell : Relative performance of -10%

Ratings and Target Price History (Share price (→), Target price (→), Not covered (■), Buy (♠), Trading Buy (■), Hold (♦), Sell (♦))

- * Our investment rating is a guide to the relative return of the stock versus the market over the next 12 months.
- * Although it is not part of the official ratings at Mirae Asset Co., Ltd., we may call a trading opportunity in case there is a technical or short-term material
- * The target price was determined by the research analyst through valuation methods discussed in this report, in part based on the analyst's estimate of future earnings
- * The achievement of the target price may be affected by risks related to the subject securities and companies, as well as general market and economic conditions.

Equity Ratings Distribution & Investment Banking Services

| | Buy | Trading Buy | Hold | Sell |
|-----------------------------|--------|-------------|--------|-------|
| Equity Ratings Distribution | 74.13% | 15.92% | 9.95% | 0.00% |
| Investment Banking Services | 75.00% | 11.11% | 13.89% | 0.00% |
| | | | | |

^{*} Based on recommendations in the last 12-months (as of March 31, 2016)

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