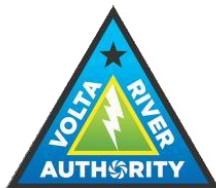




VRA Stakeholder Engagement for 2021 Financial Year

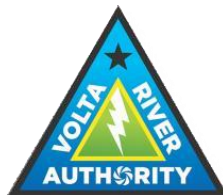
September 2022



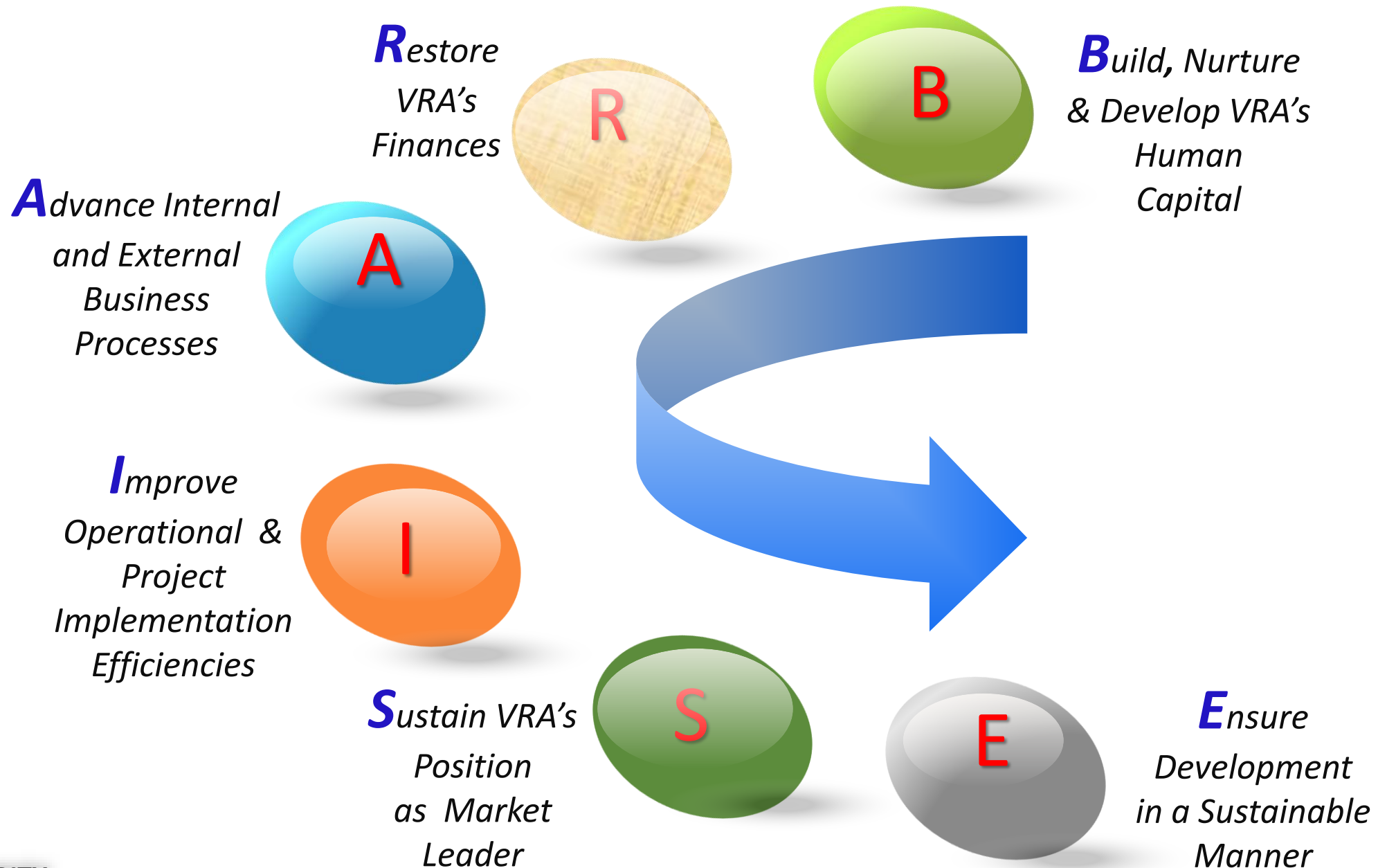
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OUTLINE

- VRA's Strategy
- Financial Performance 2020 - 2021
- Electricity Demand and Supply
- Akosombo Reservoir Trajectory
- 5-year Performance Trend
- Environmental Activities
- Corporate Social Responsibility
- CAPEX Projects
- Subsidiaries
- Sector Challenges
- Up & Coming Projects
- Way Forward

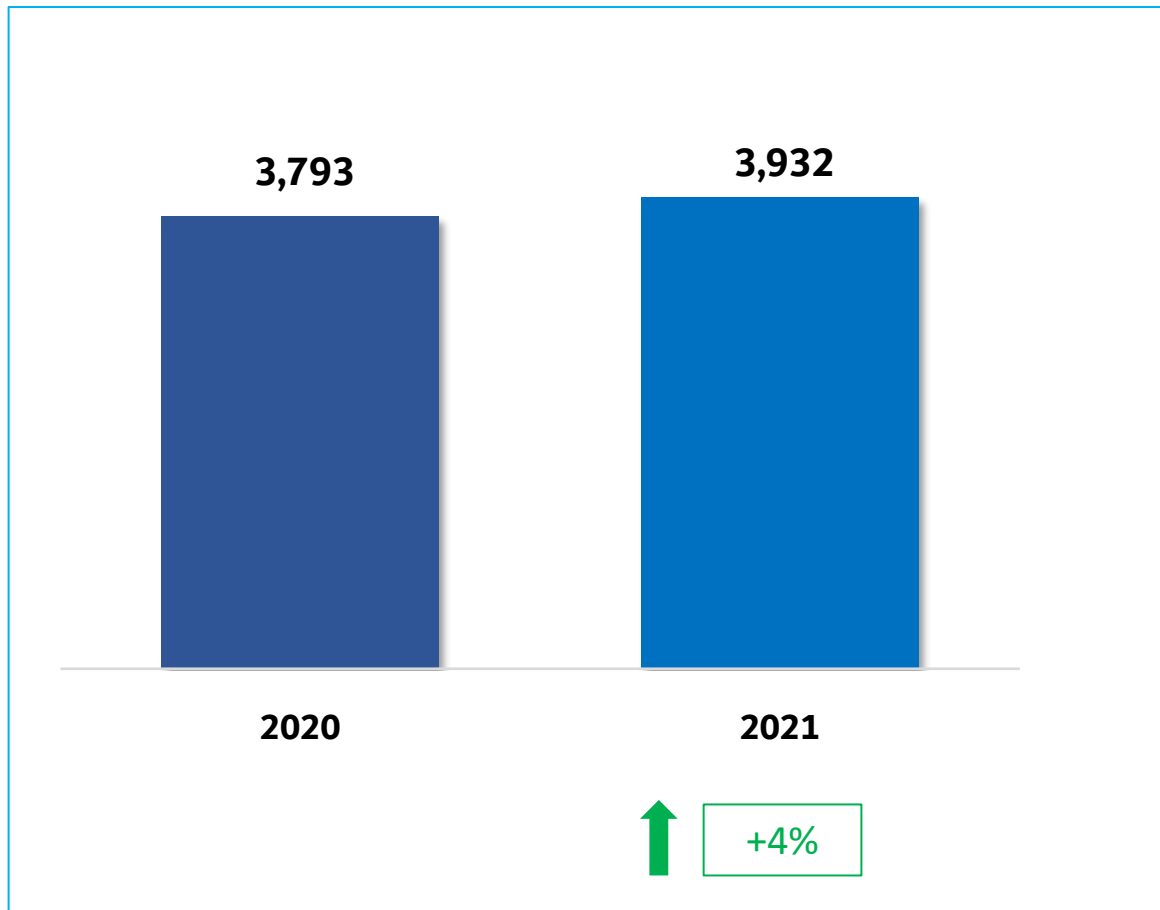


Strategy To The New Era

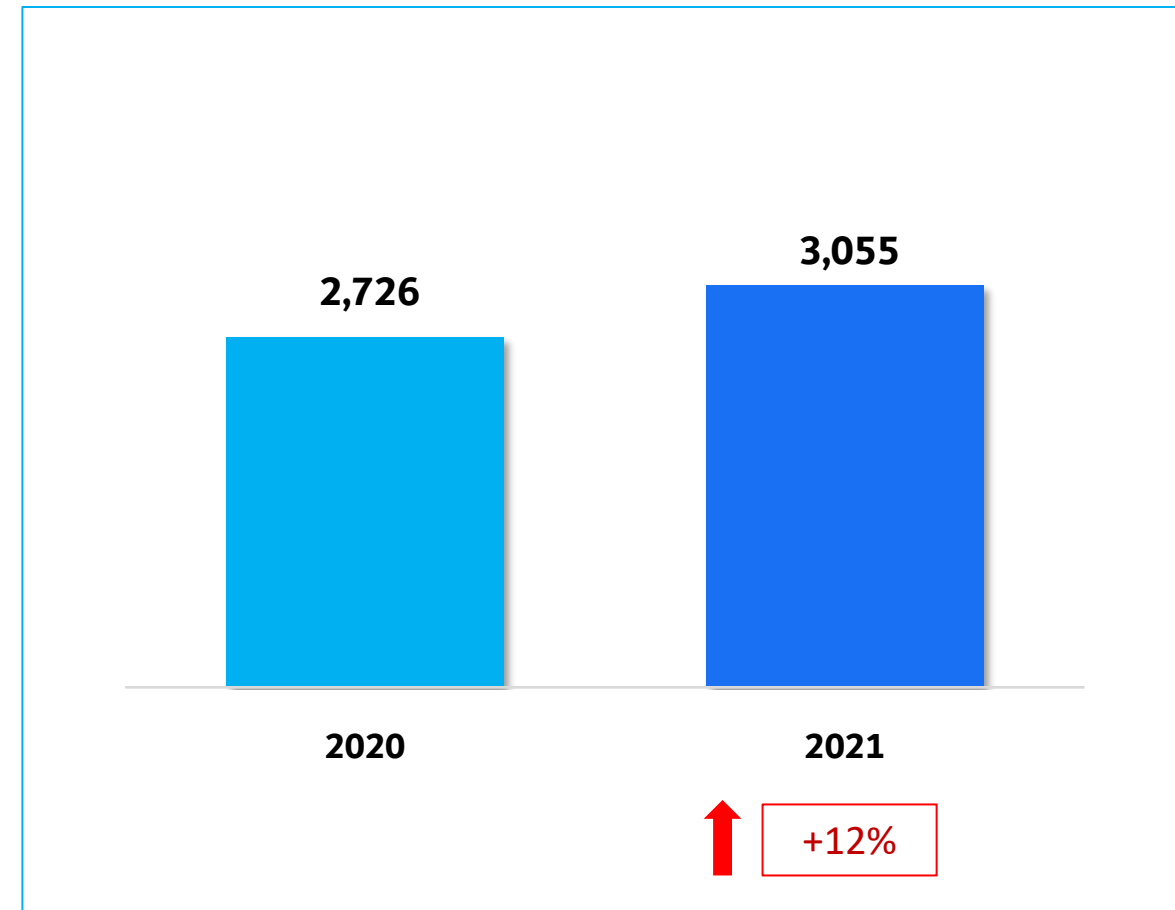


Revenue & Cost Of Sales

Total Revenue - GHsM

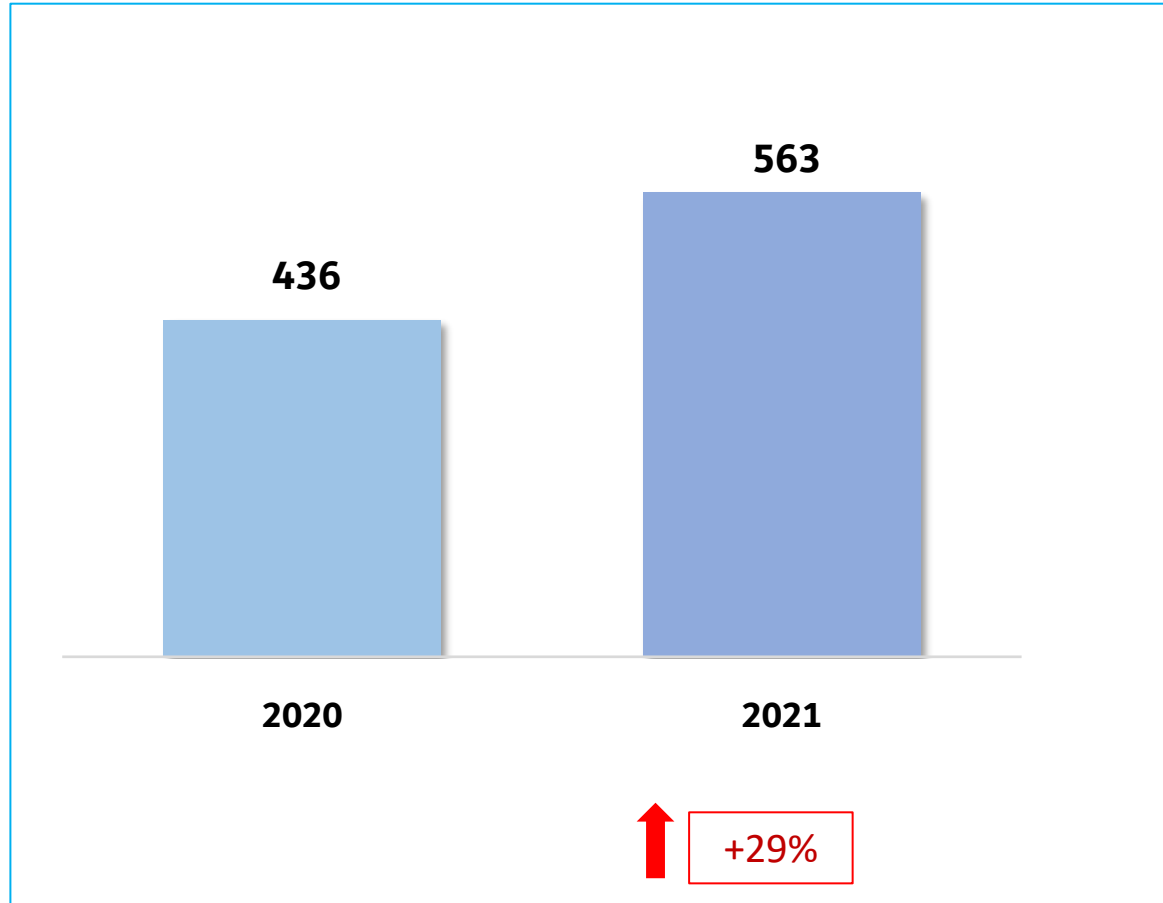


Cost of Sales- GHsM

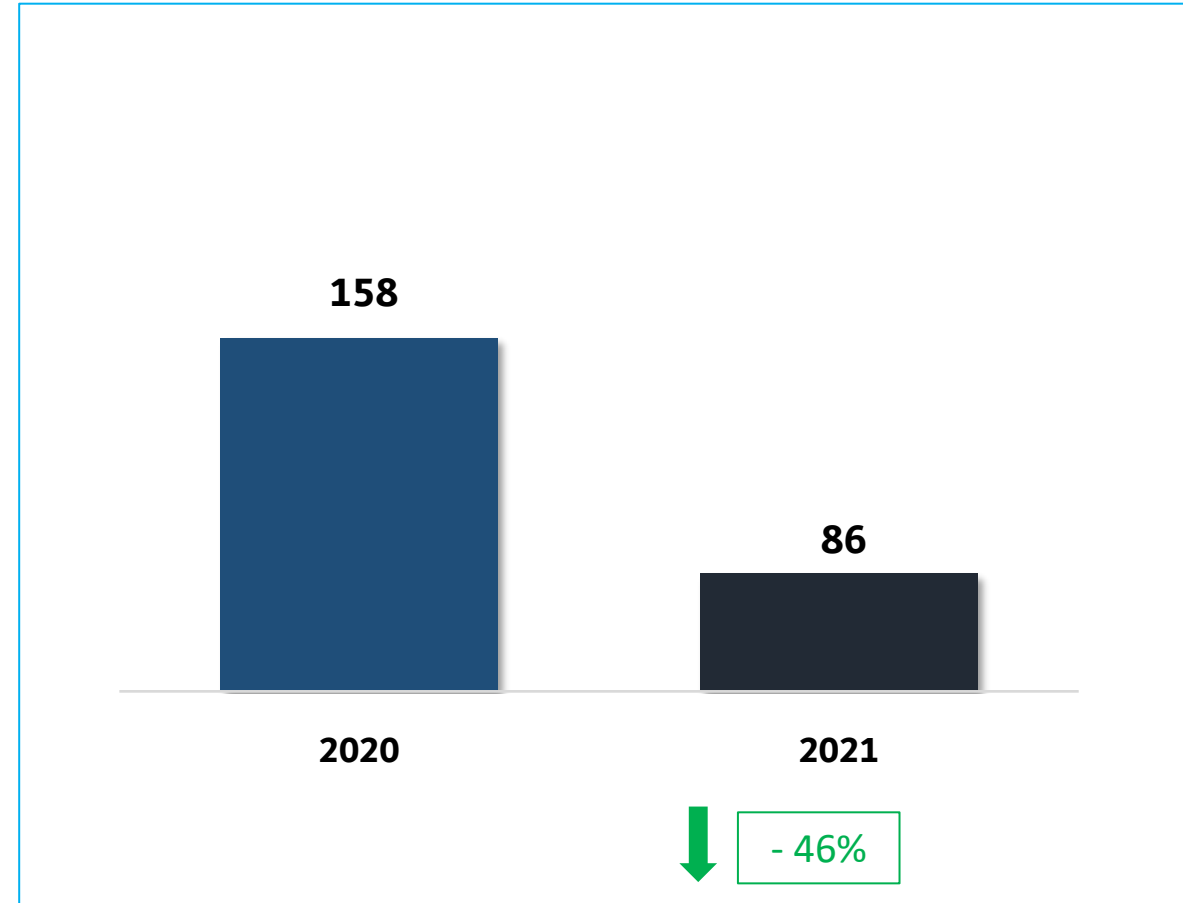


Administrative & Financial Expenses

Administrative Costs - GHsM

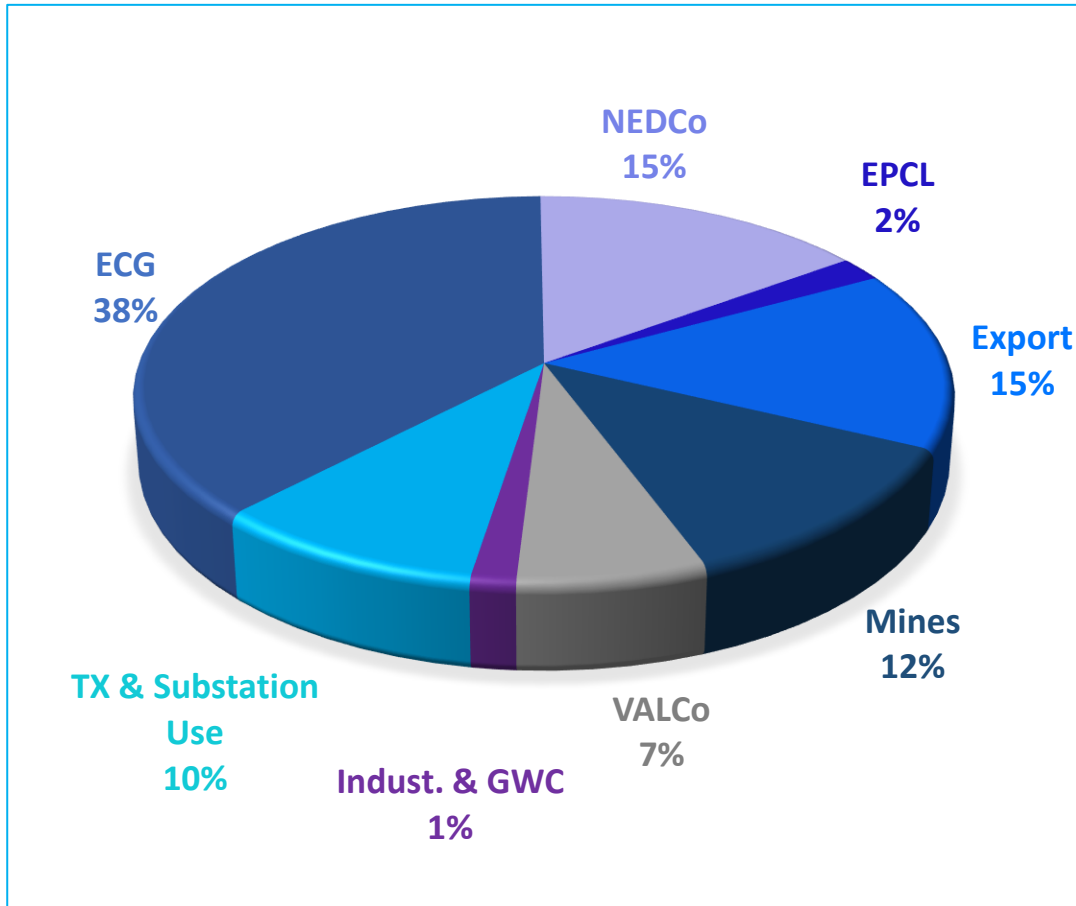


Financial Expenses (excl. Lease Costs) - GHsM

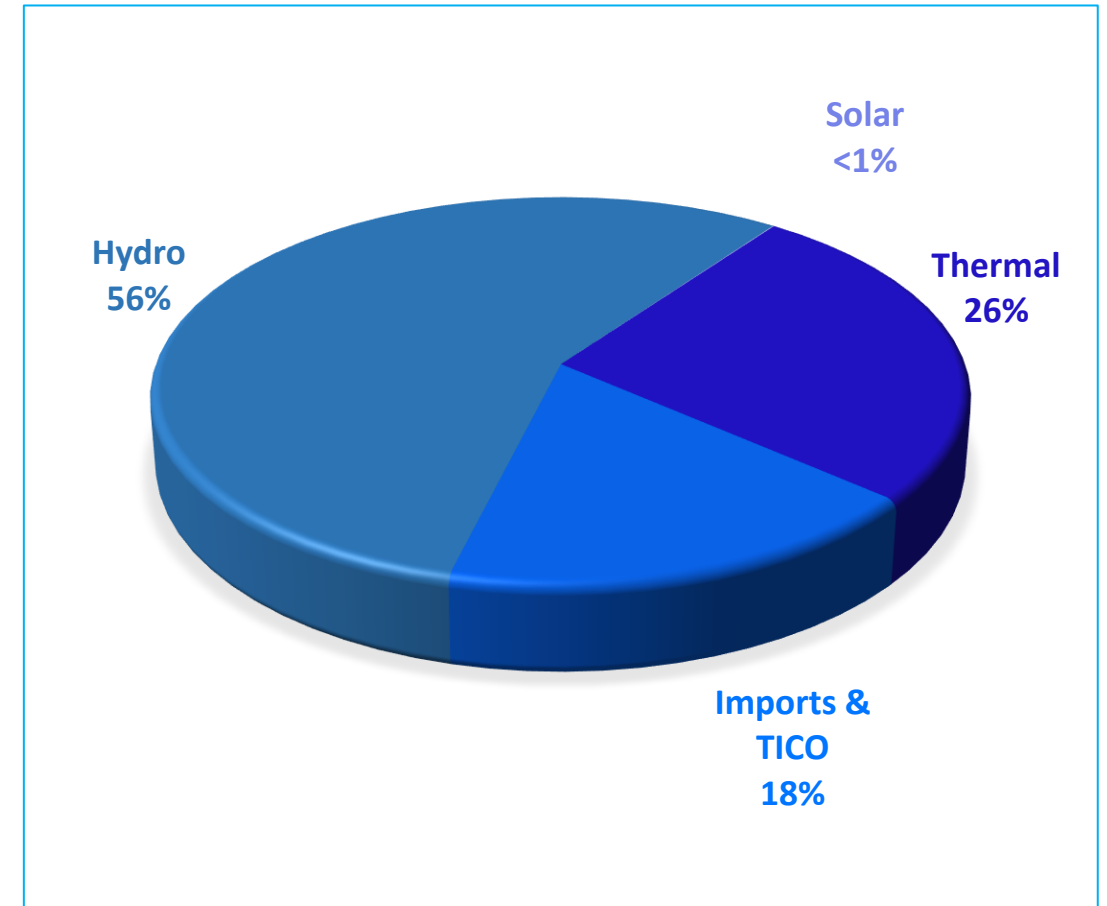


Electricity Demand & Supply

Customer Sales - GWh

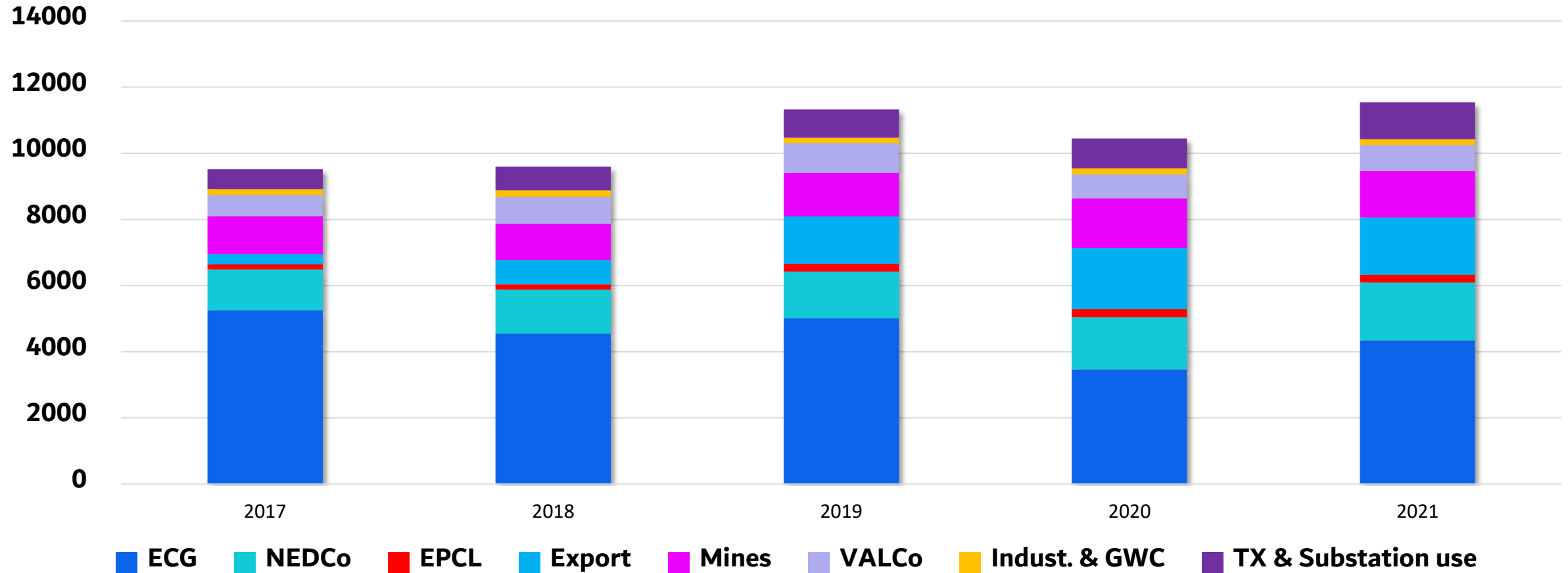


Generation Mix: 2021- GWh



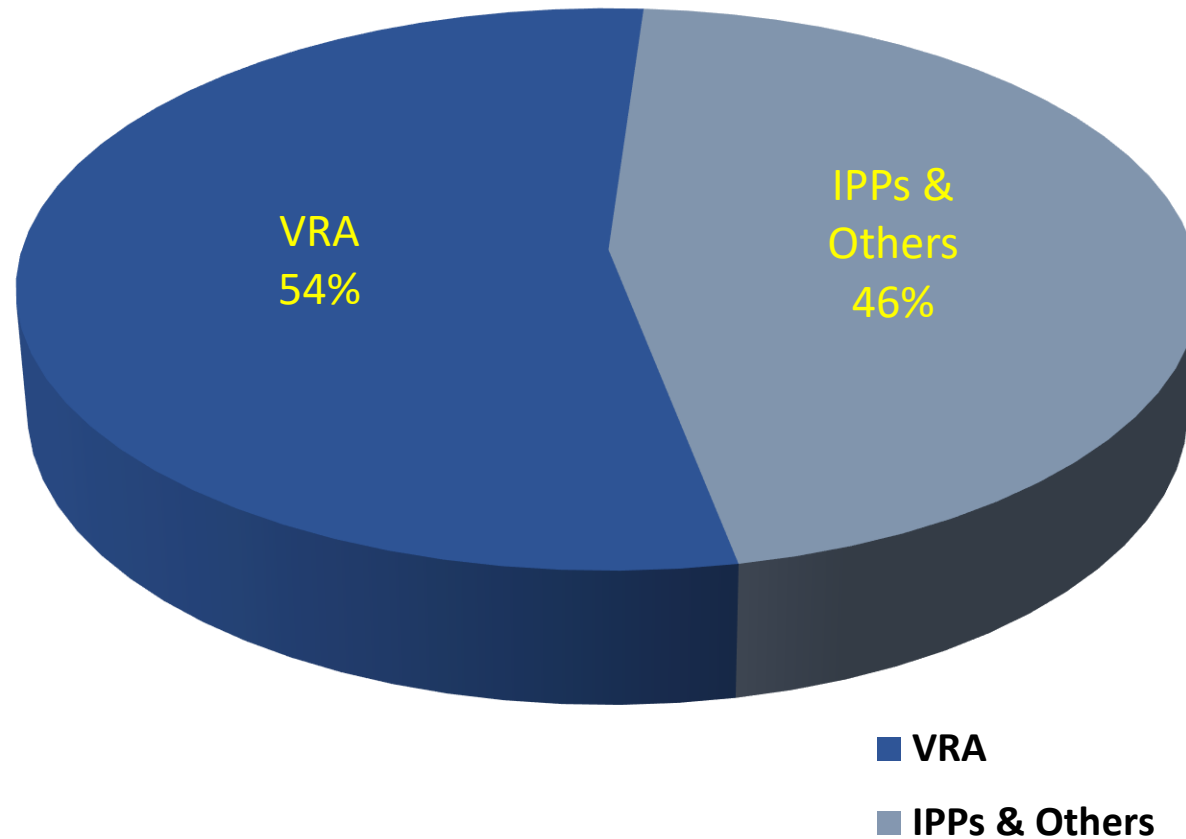
Electricity Demand Trend

Customer Demand - GWh



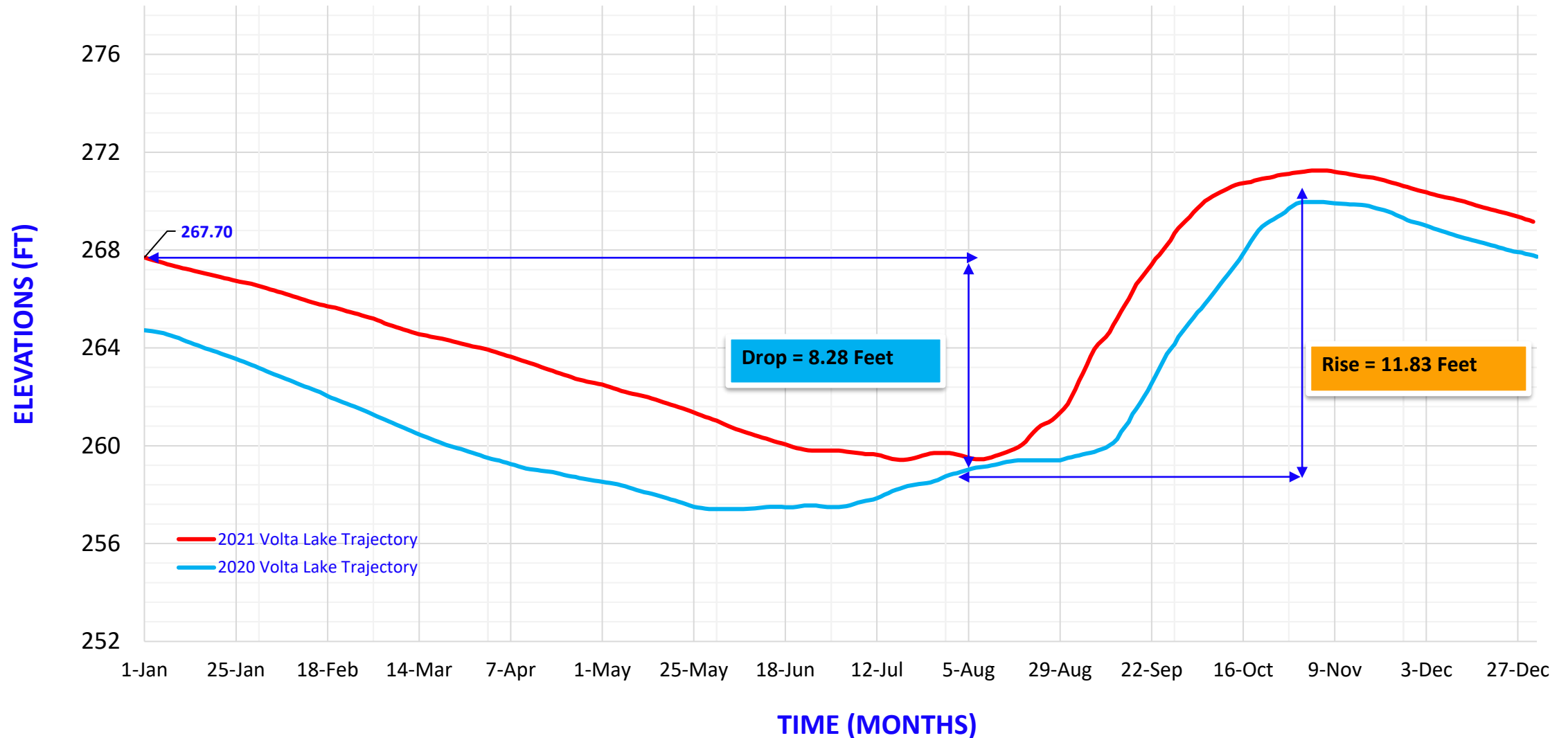
Electricity Demand Trend

Electricity Market Share - 2021



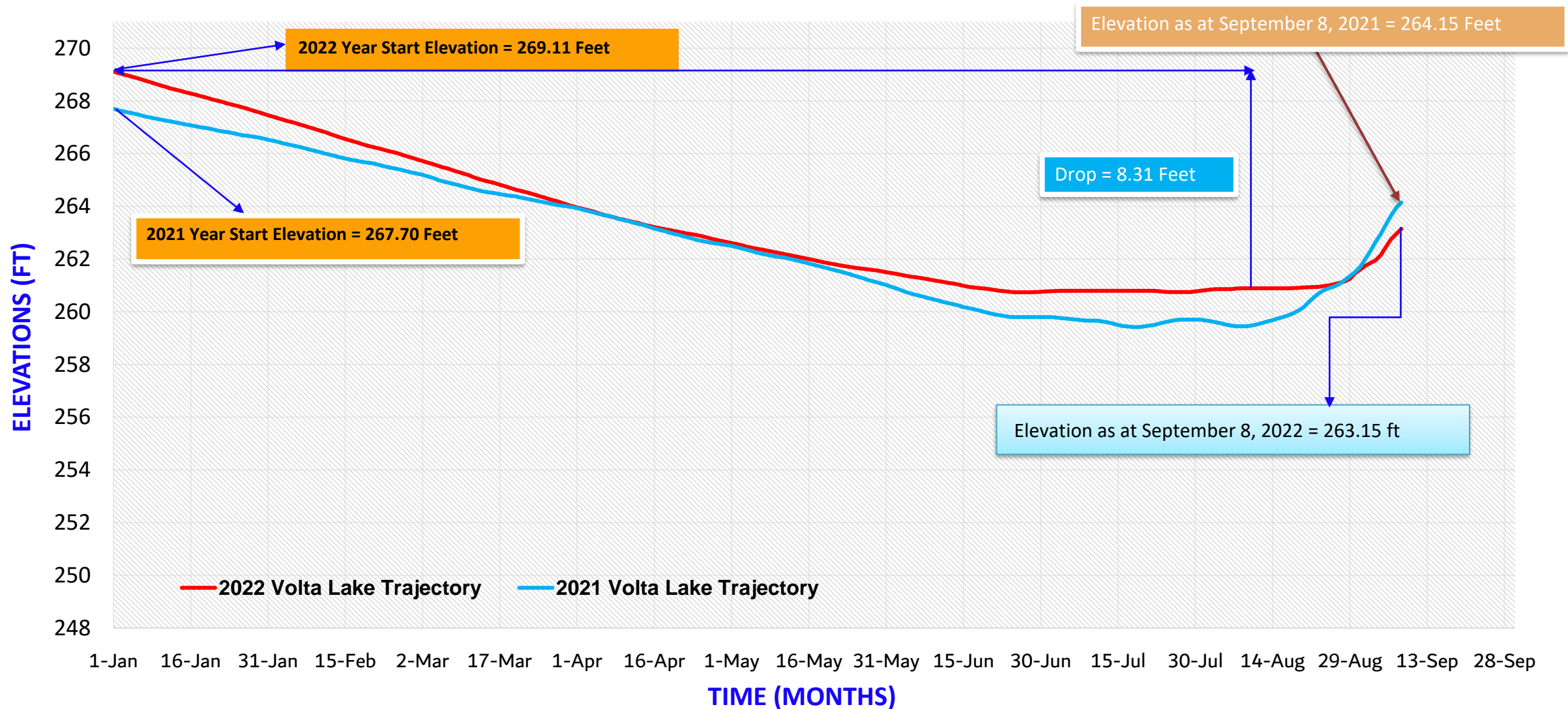
2021 Akosombo Reservoir Trajectory

2021 Volta Lake Trajectory



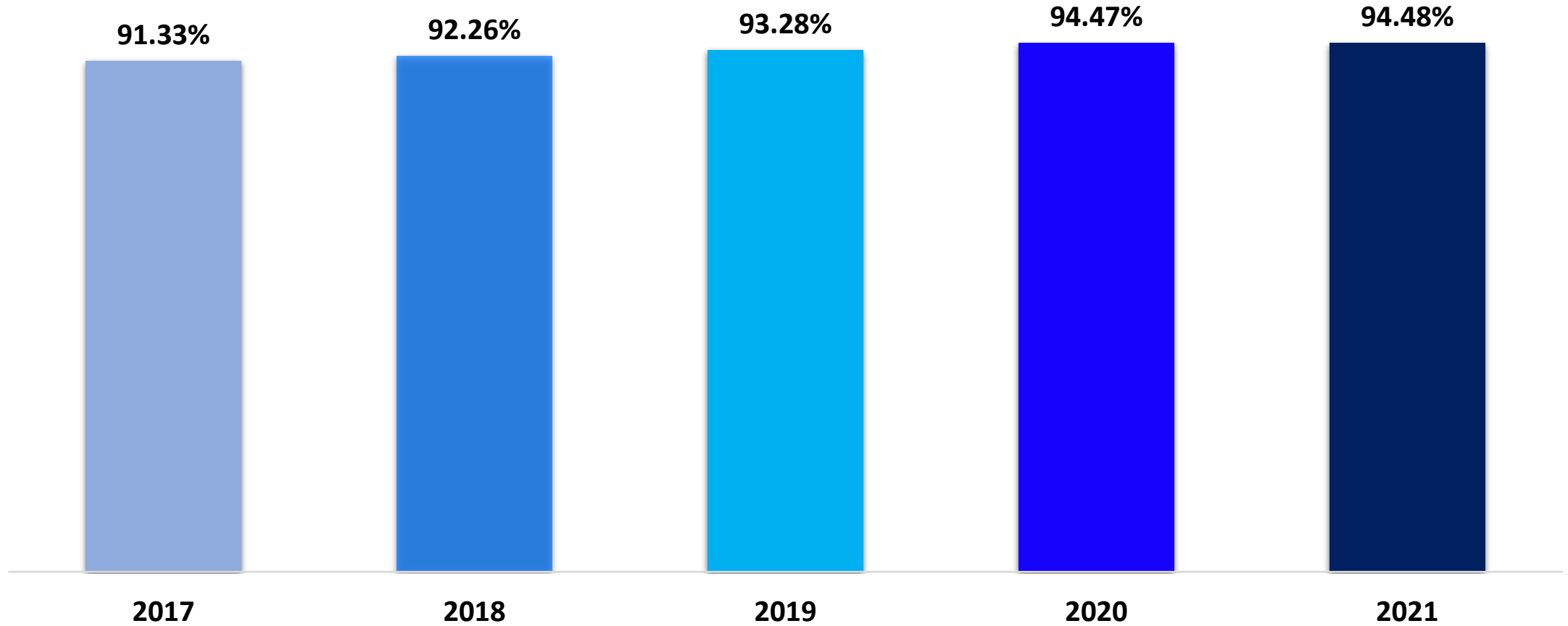
2022 Akosombo Reservoir Trajectory

2022 Volta Lake Trajectory



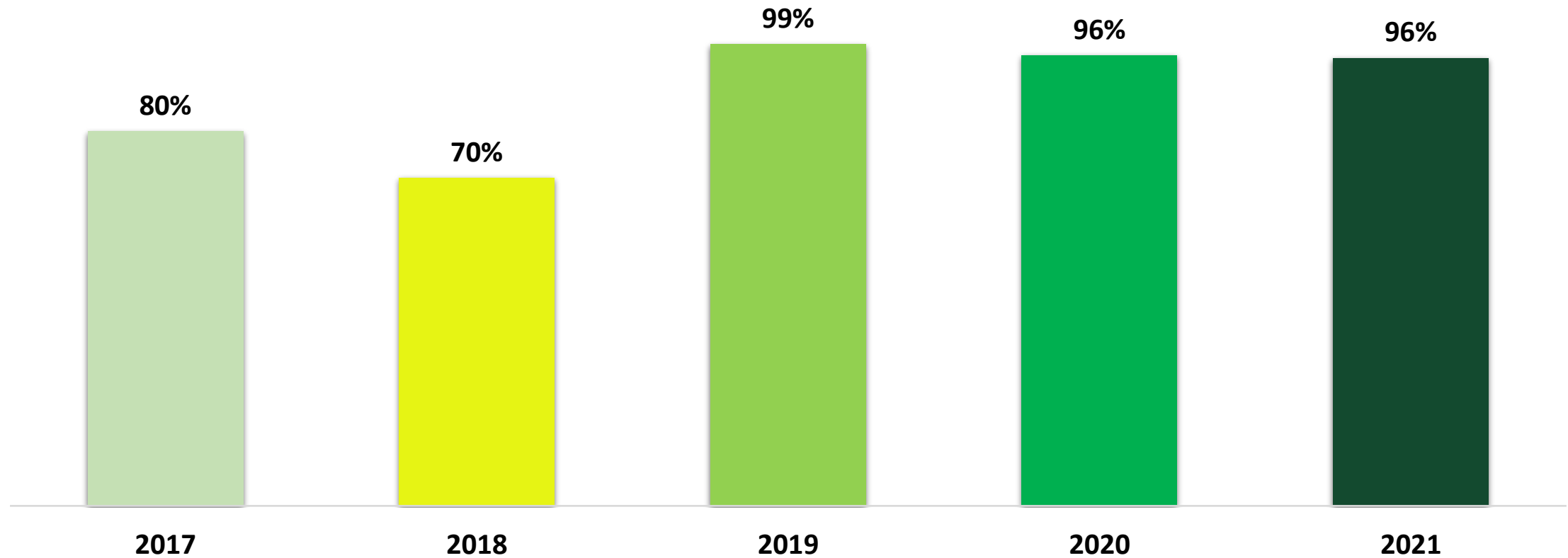
Performance Analysis

Plant Availability - Hydro Generation



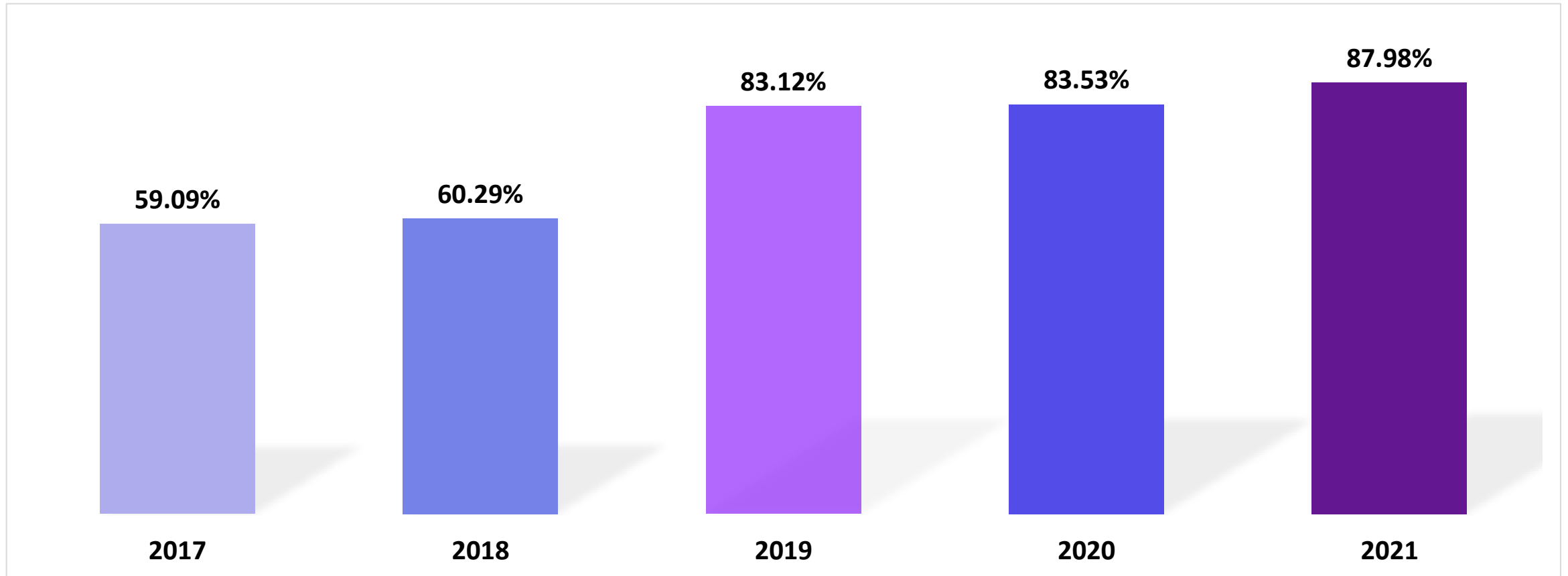
Performance Analysis

Plant Availability - Solar



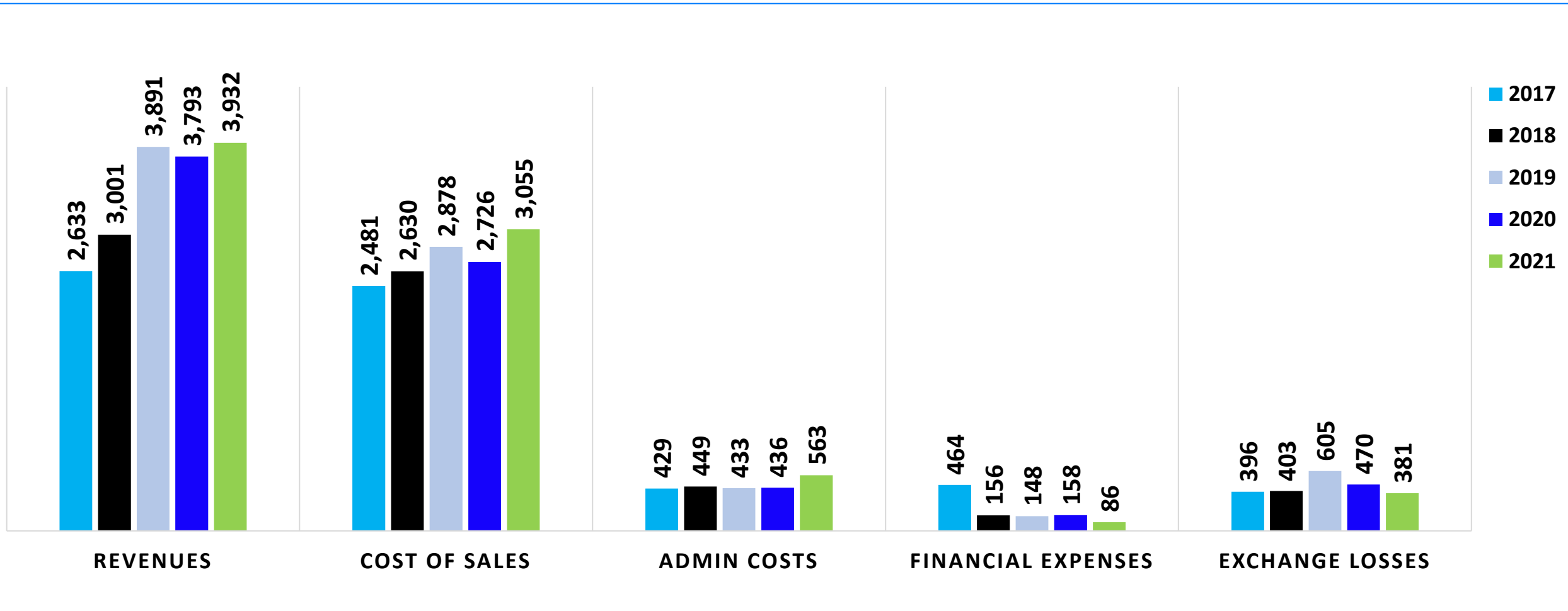
Performance Analysis

Plant Availability – Thermal Generation



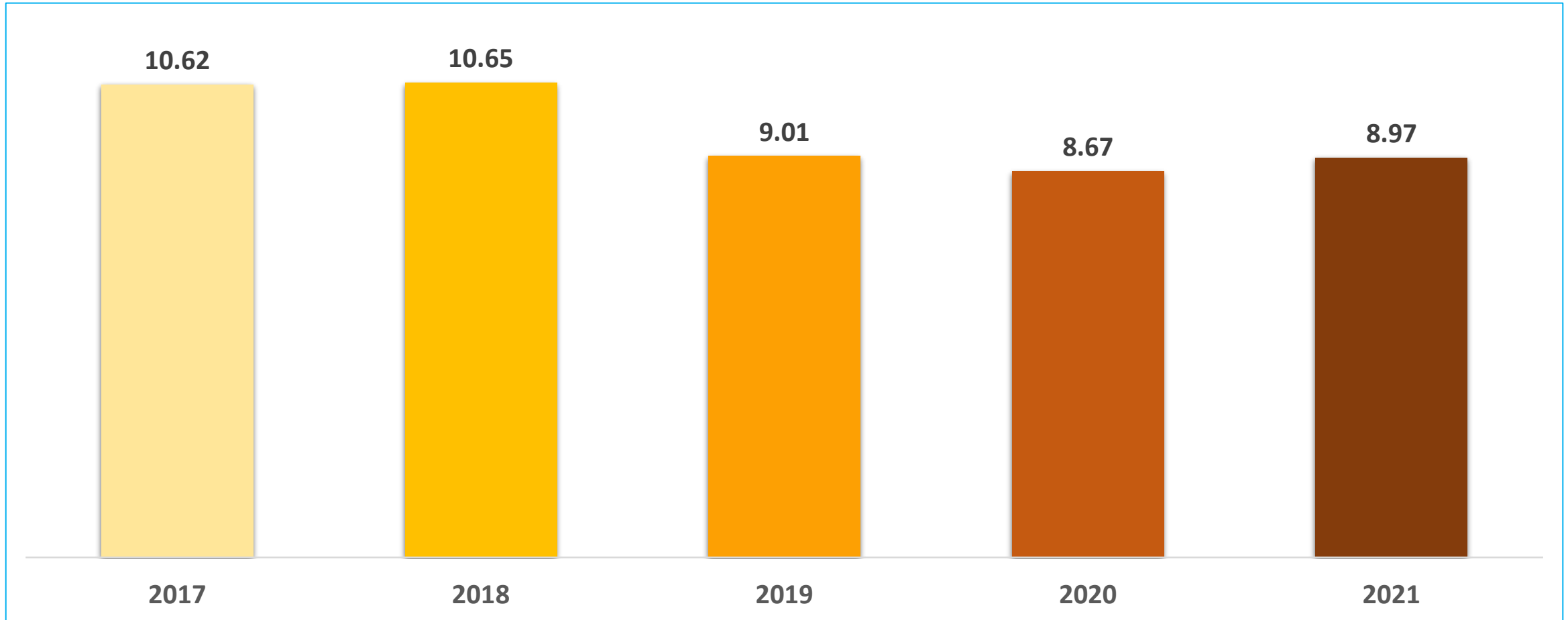
Financial Analysis

VRA Financial Highlights - GHsM



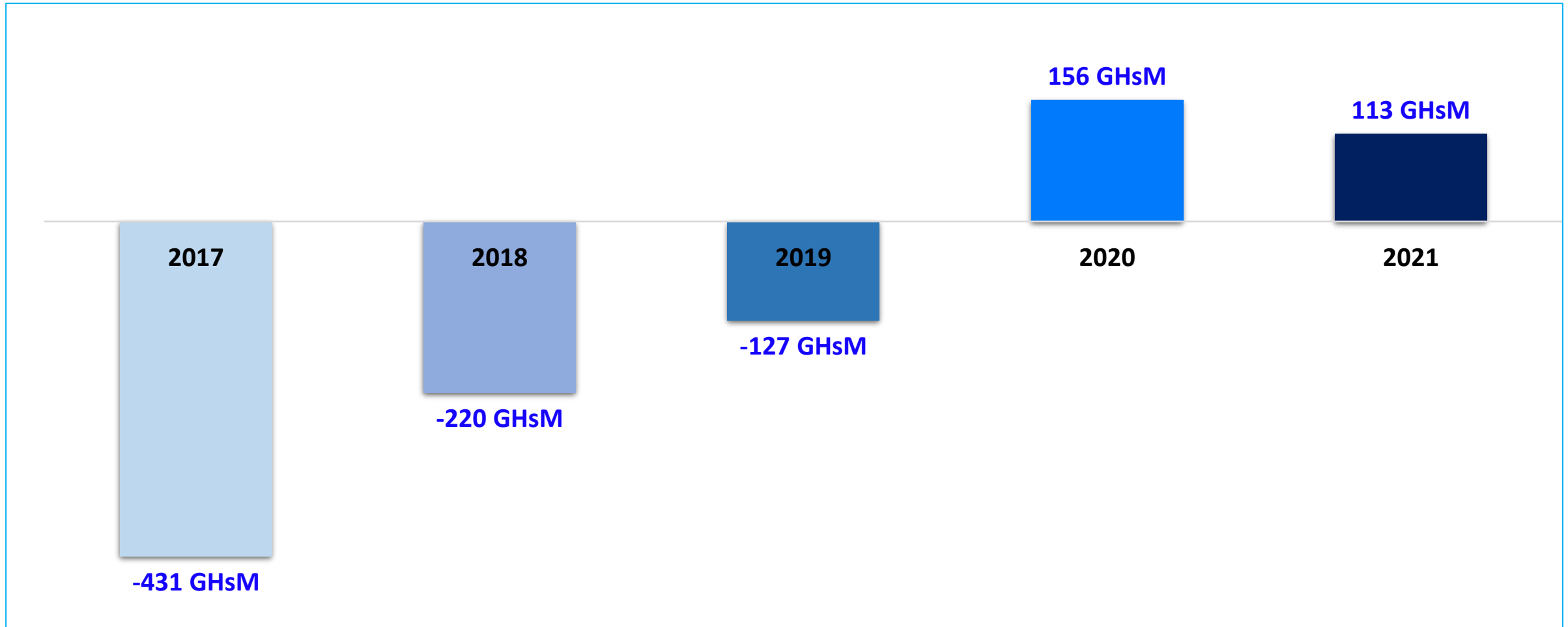
Financial Performance

Average Cost of Thermal Generation - US\$ cents/kWh



Financial Performance

Profitability Highlights – Net Profit



Environmental Activities

VRA joined the nation under the Ministry of Forestry, Lands and Natural Resources to **embark on a “Greening Ghana Project”** by planting and nurturing tree seedlings at various work locations through all the country.



Environmental Activities



Volta Lake monitoring and reservoir quality assessment :

Continued Lake monitoring and reservoir assessment ensured that environmental and social impacts on lakeside communities are addressed



190 Climate Smart Stoves were constructed for 100 households in four (4) communities in 2021

Environmental Activities

Construction of Storm Drains along Casley Hayford High Street to address flooding



Environmental Activities

Rehabilitation of Oxidation Pond in Akuse



Corporate Social Responsibility



Support to Education – donation of educational Materials



Water and Sanitation Program facilities for three impacted communities in Battorkope, Akplorti and Dansokrom-Asikuma in the South-Tongu and Asuogyaman Districts.



Corporate Social Responsibility



Best Graduating student for Health,
Physical Education & Recreation Dept. –
Elizabeth Amartei, UCC

Fifteen (15) beneficiaries' of VRA's scholarship scheme for the 2020/2021 Academic Year graduated with notable achievements.

Capex Projects

69kWp Electro-Volta House solar
rooftop car park commissioned



Capex Projects

Kaleo Solar Project - Phase 1 (13MWp)



Our Subsidiaries



Sector Challenges



Inter-utility debt



Shortfalls from Cash
Waterfall Mechanism



Natural Gas Reliability



Compensation for
Ancillary services



Forex losses on Sales



Funding for Power Projects

Up & Coming Projects - Digitization

E-mobility Project



Task 5 :
Public Health
and Safety

Task 4:
Innovative City

GS Automation and SCADA Project



Akosombo Smart City Project



Up & Coming Projects – Clean Energy

PV Solar Projects



75MW Wind Power Project



Commissioning
expected in 2025

60MWp Bongo Solar Project:

Commissioning Expected in Dec-2023

13 MWp Kaleo Phase II Project:

Commissioning Expected in Q1-2023

25MW Floating Solar Project



The Kpong Reservoir has
been identified as an ideal
location for the project.

Up & Coming Projects - Efficiency Enhancement

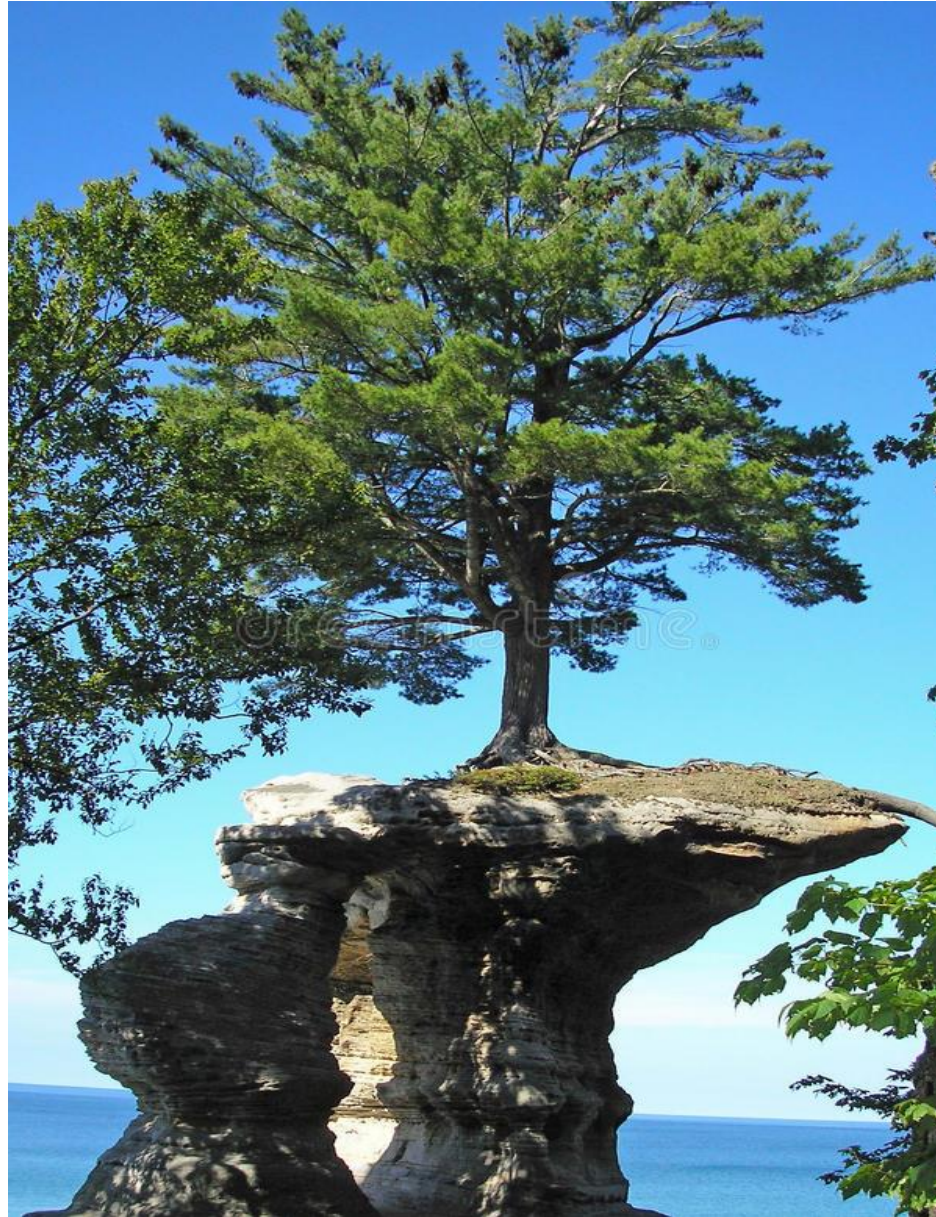


KTPS Expansion and conversion to CC:
220MW to 330MW



TT1PP/CENIT Expansion and conversion to CC:
110 GT owned by VRA + 110 GT owned by CENIT to be expanded to 330MW

Way Forward

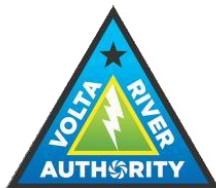


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Thank you

September 2022



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