

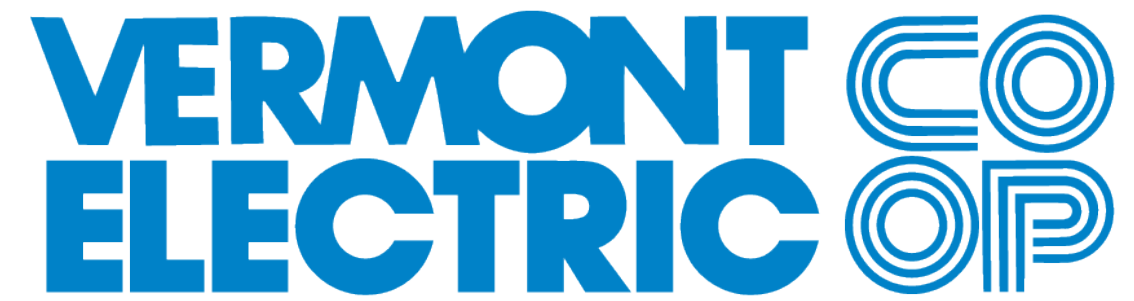
VEC ANNUAL MEETING

NAVIGATING A CLEAN POWER SUPPLY

MAY 10, 2025

Presented by : Dan Potter





**DAN POTTER
SENIOR POWER
RESOURCES PLANNER**

LIGHTING THE PATH TO AFFORDABLE CLEAN ENERGY, TOGETHER

- 0 1 HOW WE THINK ABOUT POWER SUPPLY
- 0 2 2024 VEC POWER MIX
- 0 3 CARBON FREE IN 2024
- 0 4 VEC'S FUTURE POWER RESOURCES
- 0 5 CONSIDERATIONS WHEN ADDING TO THE POWER MIX

GUIDING PRINCIPLES

AFFORDABILITY

DIVERSITY

SYNERGY

VEC Board of Directors Resolution
to be 100% Carbon Free on an
annual basis starting in 2023 & 100%
Renewable in 2030



GUIDING PRINCIPLES

Vermont Renewable Energy Standard

Tier 1 – Overall	100% by 2030
Tier 2 – In-State, < 5MW	20% by 2032, online after 1/1/10
Tier 4 – New Regional	5% by 2030 & 10% by 2035, online after 1/1/10

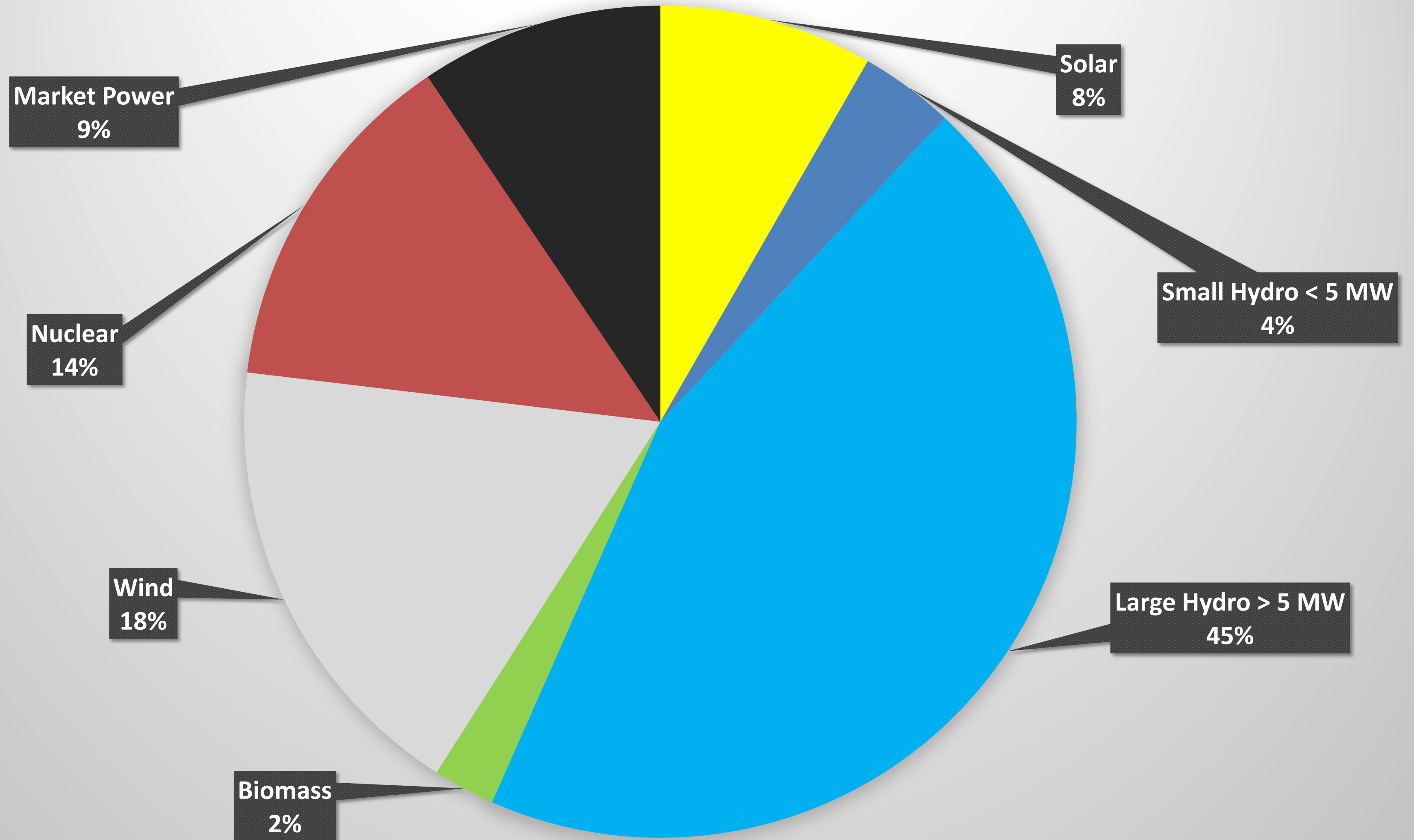
Note: Other Tiers of RES not included here



VEC POWER MIX

- VEC DOES NOT OWN ANY GENERATION FACILITIES
- MANAGING A PORTFOLIO OF CONTRACTS
- 2025 POWER SUPPLY BUDGET
- \$38,200,900
- PURCHASED 511,761 MWH

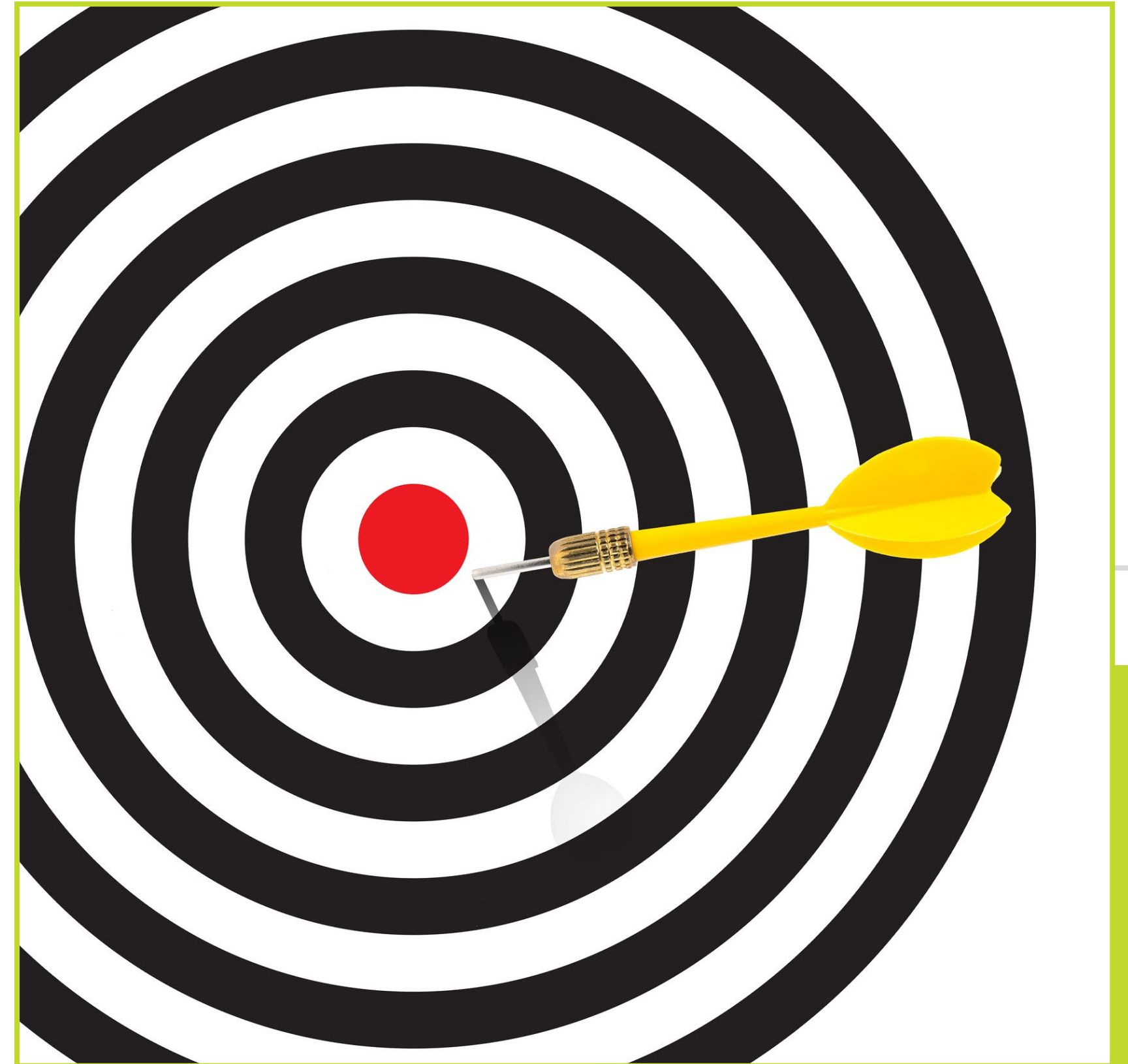
VEC 2024 SOURCES OF POWER



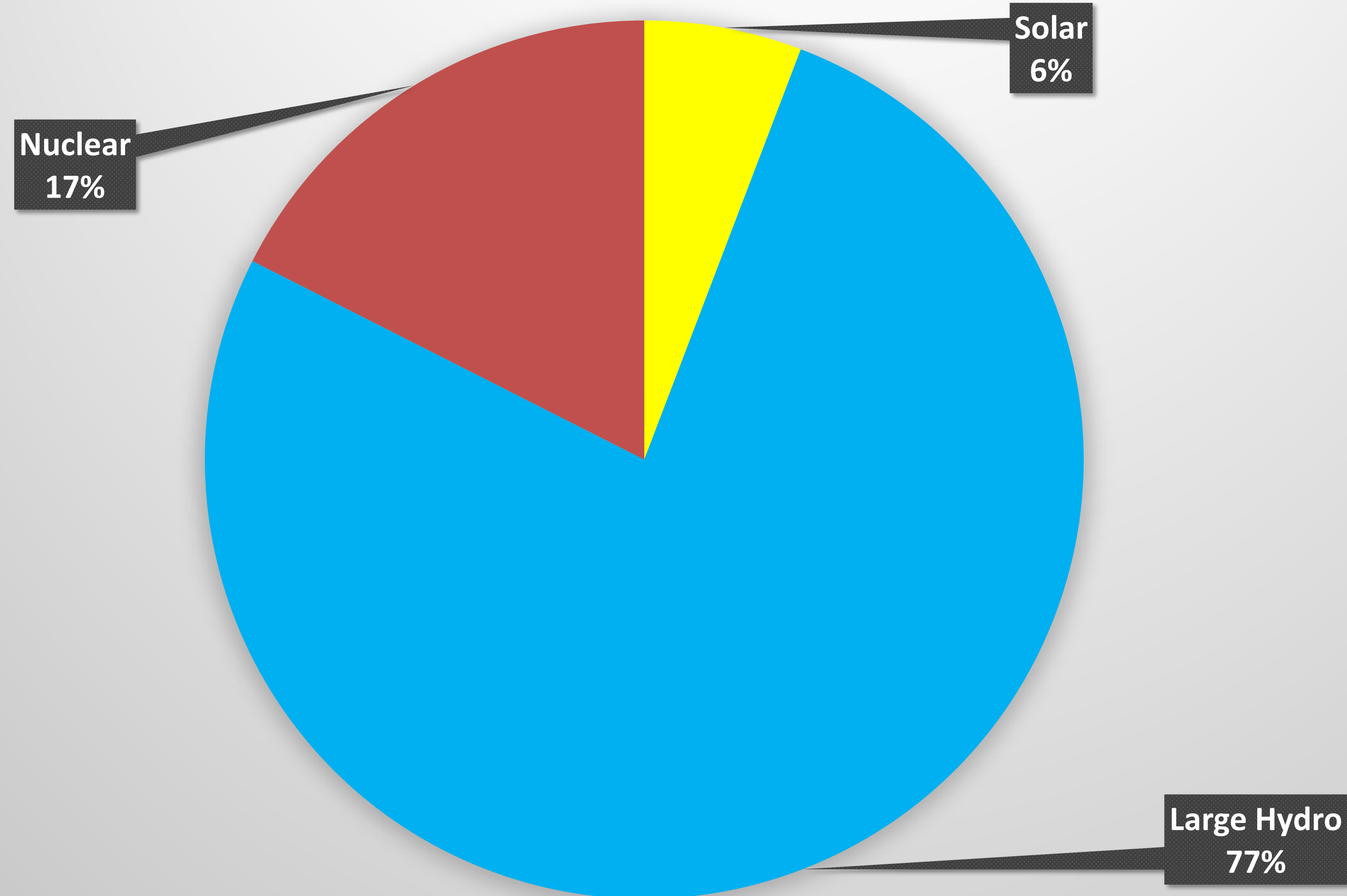
100% CARBON FREE

VEC's Shortfall of Carbon
Free MWh after meeting
Tier 1 was 189,352

Estimated Cost of
\$966,574

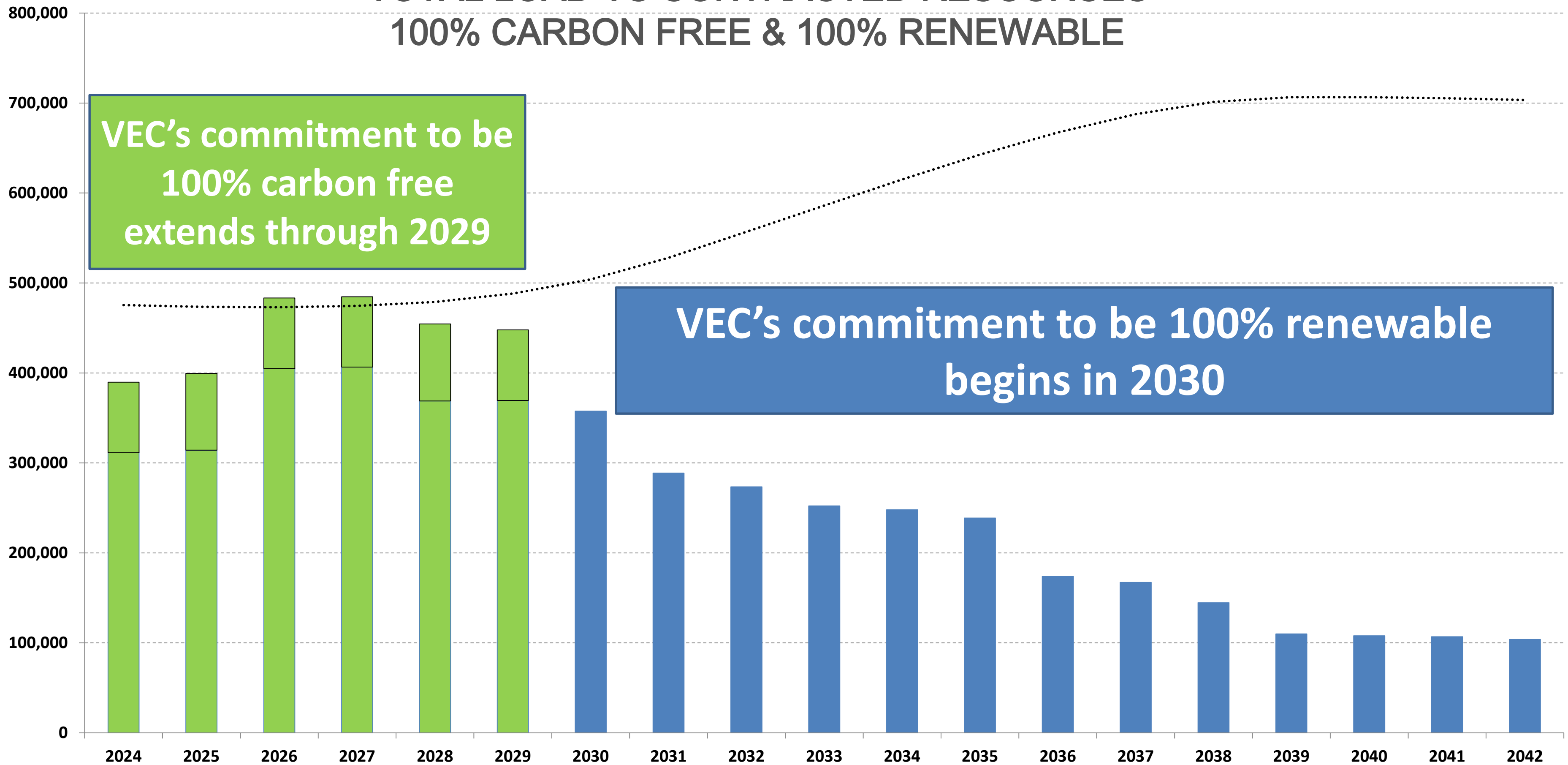


2024 CARBON FREE & TIER 1 ATTRIBUTES



TOTAL LOAD VS CONTRACTED RESOURCES

100% CARBON FREE & 100% RENEWABLE



RESOURCE OPTIONS



RENEWABLE:

Solar

Hydro

Biomass

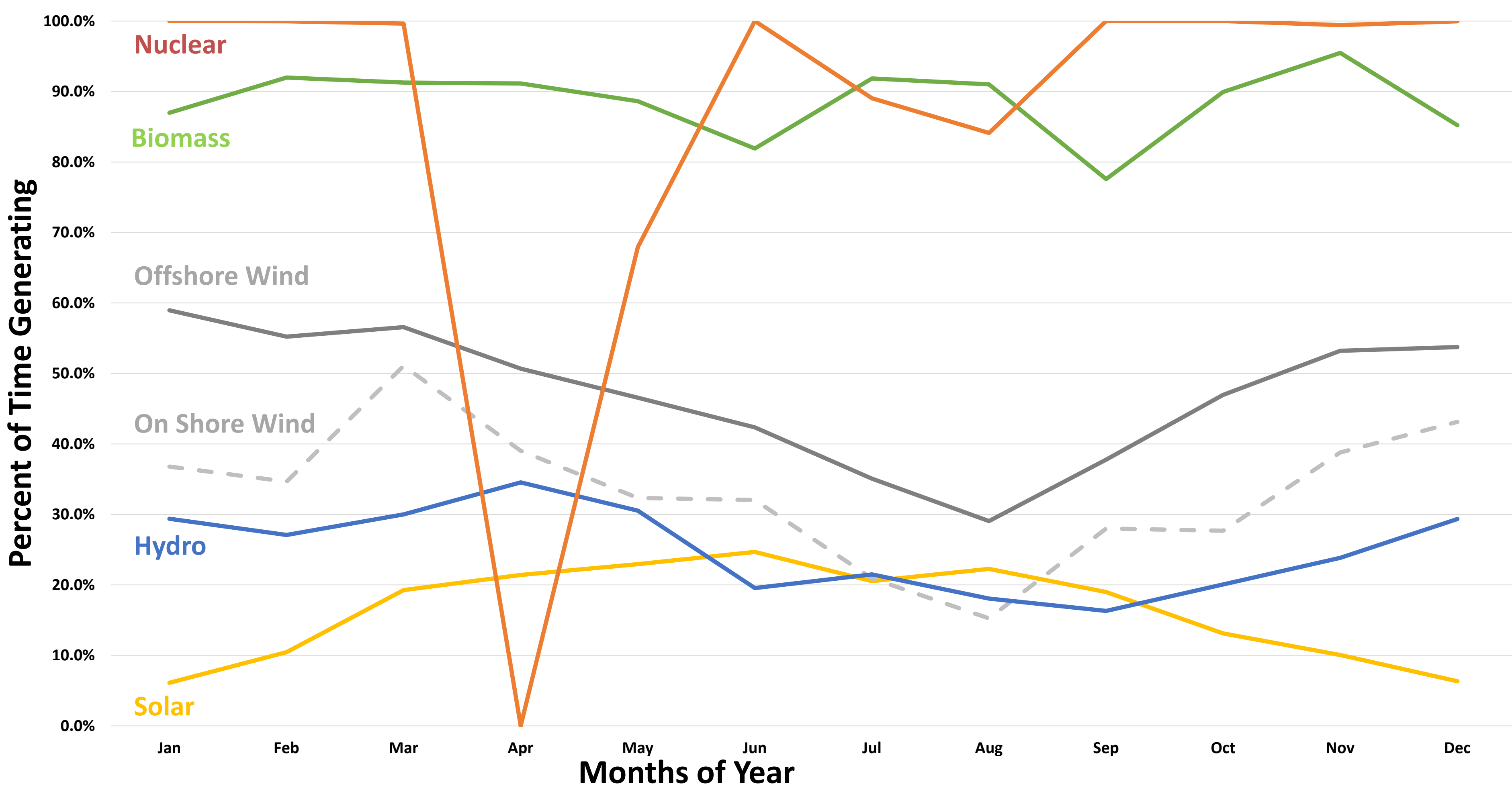
Onshore Wind

Offshore Wind

CARBON FREE:

Nuclear

MONTHLY PRODUCTION SHAPE – BY RESOURCE TYPE



CONCLUSION

WHEN ADDING RESOURCES
TO THE PORTFOLIO

RFP

Power Purchase
Agreements

CRITERIA

Cost Effectiveness

Renewability

Production Shape

How the Resource
Interacts with Existing
Resources

