

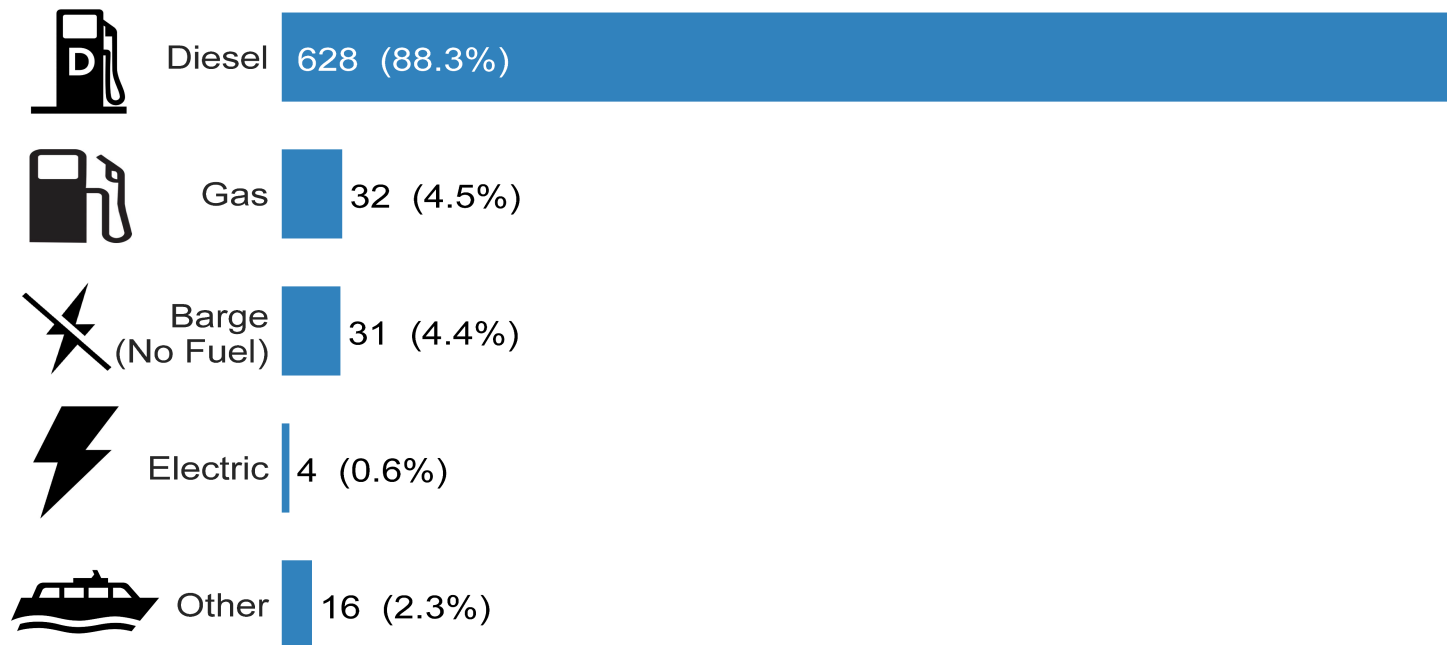
# Ferries Now

---

WOODS HOLE, MARTHA'S VINEYARD AND NANTUCKET STEAMSHIP AUTHORITY

March 31, 2023

# U.S. Ferry Vessel Fuel Source\*



\* National Census of Ferry Operators 2017 data

# Steamship Authority Funding

---

- **Effectively 100% of Operating Expenses covered by fare box (ticket) collections.**
  - In 2022 the SSA had \$3,756,532 in Operating Grant Income
  - Those Grants could only be used for preventative maintenance
  - Total Operating Expenses in 2022 were \$120,090,634
- **Effectively 100% of Capital Expenses covered by fare box (ticket) collections .**
  - In 2022 the SSA had total disbursements from the Capital Improvement Fund of \$16,130,220
  - In 2022 the SSA had total disbursements from the Replacement Fund of \$11,183,161
  - In 2022 the SSA had \$1,070,153 in Capital Grants

# How to do we transition to cleaner technologies?

---

- Careful long-term planning
- Infrastructure modifications
- Identification of available grid capacity
- Projections of future energy needs
- Flexibility
- Remain open to emerging technologies
- Identifying funding sources



# Challenges and Opportunities

---

## Challenge

- Limited funding capacity
- Two distinct routes requires inter-changeable vessels
- Shoreside infrastructure requirements
- Where to begin

## Opportunity

- Infrastructure Investment & Jobs Act (\$17B over 5 years)
- Consider Hybrid technology
- Coordinate with resiliency measures
- Alternative Propulsion Study

# Environmental Initiatives

---



## Shuttle Bus Fleet

- ❖ Three Electric buses to be delivered in April
- ❖ Four Electric buses on order for summer 2023 delivery
- ❖ Two Electric shuttle vans on order for 2023 delivery

*The Steamship Authority*  
Serving the Islands and You.



## Solar and Battery Storage Project

- ❖ Installation of 5,900 kilowatt solar and
- ❖ 6,100 kilowatt-hour battery storage
- ❖ Approved for Thomas Landers Parking Facility
- ❖ RFP for solar at Palmer Ave Parking Facility under development

# Environmental Initiatives



## Woods Hole Terminal Reconstruction Project

- ❖ Energy-efficient design for LEED certification
- ❖ Photovoltaic arrays
- ❖ Geothermal system for heating & cooling
- ❖ Goal to achieve Net-Zero energy status

*The Steamship Authority*  
Serving the Islands and You.

## Vessel Alternative Propulsion Study

- ❖ Next steps
- ❖ Identify funding sources



# Next Steps:

---

## ■ Development of a Strategic Plan

- What do we know to be true today?
- What do we hope will be true in the future?
- What must go well in order to create our desired future state?
- Currently in the early discovery stages
- Workshop for the development of planning framework scheduled for May 2023
- Solicit public input June-July 2023
- Develop implementation strategies October 2023
- Prepare and adopt Strategic Plan November-December 2023

