



Zero-Emissions School Buses



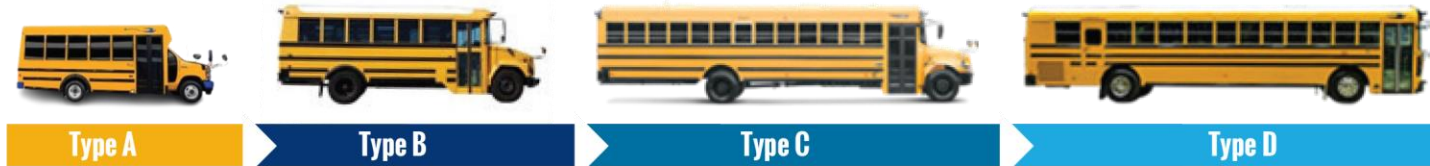
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Fast Facts

High-level info to frame the discussion.

- There are 45,000 school buses in New York State.
- Full transition of the school bus fleet from combustion engine vehicles (diesel, gas, natural gas) to zero-emission vehicles ESBs and fuel-cell ESBs.
- By 2027: all school bus purchases must be zero-emission vehicles.
- By 2035: all school buses in operation must be zero-emission.
- All major manufacturers make electric models and new companies are entering the market.



- Time to charge varies – from 1-13 hours but can usually be accommodated overnight.
- Ranges vary from 75-210 miles (and are increasing!).
- If a district receives bus-related transportation aid from the State, electric buses and charging infrastructure are eligible.
- Upfront costs can be at least partially offset by federal and State funding or incentives

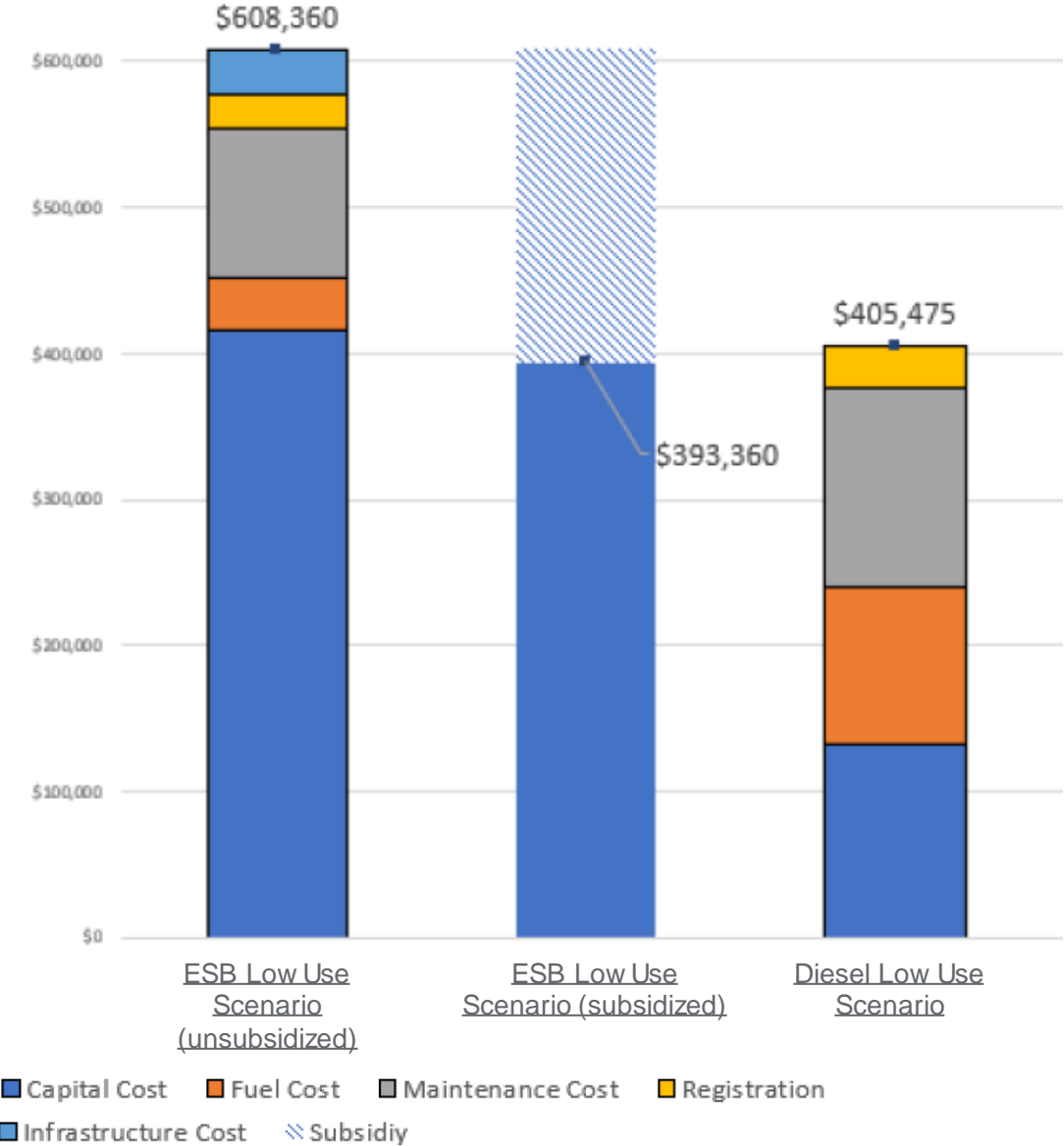


Electric School Bus Roadmap

Policy document developed with extensive stakeholder input describing the state of the market for ESBs, what NYS needs to do to meet the requirements, and transition costs.

Key findings include:

- When factoring in current incentives, the cost of owning an electric bus can already be cheaper than owning a diesel bus
- Existing incentives and other state and local sources can cover majority of costs for school bus fleets between now and 2027
- Continuing work needed with electric utilities on analysis of grid capacity and expected demand; exploring expanding and extending the MD/HD Make-Ready Pilot Program



Guiding the Transition

The ESB Guidebook provides living resources to help fleet owners and key partners get familiar with key terms, concepts, and near-term actions to take.

- Now Available:

- [Guide 1 – Benefits](#)
- [Guide 2 – ESB Purchasing](#)
- [Guide 3 – EVSE Purchasing](#)
- [Guide 4 – Financial Incentives](#)



- Coming Soon:

- Guide 5 – Route Planning & Analysis
- Guide 6 – Site Planning & Installation
- Guide 7 – ESB Operations & Maintenance
- Guide 8 – EVSE Operations & Maintenance

- Final Release:

- Guide 9 – ESB Safety
- Guide 10 – Training & Workforce Development



NY School Bus Incentive Program

\$500 million in Environmental Bond Act funds are allocated for electrifying school buses in NYS

On September 28, 2023, Gov. Hochul announced an initial \$100 million for the NY School Bus Incentive Program

- NYSBIP is a **point-of-sale rebate program** for Type A, C, and D school buses and associated charging infrastructure **available on a first-come, first-served basis**
- Incentives **of up to 100% of the difference in cost** between an electric school bus and a gasoline/diesel equivalent
- Funding will also be available for ESB **charging stations**
- School bus manufacturers and vendors can apply now to have their school bus models qualify for the program; Funding applications will be accepted **starting November 29, 2023**

Who Is Eligible for Funding?

- NYS public school districts or other public entities that provide pupil transportation services
- Third-party Operators under contract with a New York State public school district



How NYSBIP Works

Funding per bus is based on bus size plus additional factors:

- Priority District
- Scrappage
- V2G and Accessibility Add-ons

School Bus Type	Percentage of Incremental Cost Covered	Base Voucher Dollar Amount
New Type A (NTA)	60%	\$114,000
New Type C (NTC)	60%	\$147,000
New Type D (NTD)	60%	\$156,000
Repowered Type A (RTA)	75%	\$105,000
Repowered Type C (RTC)	75%	\$135,000

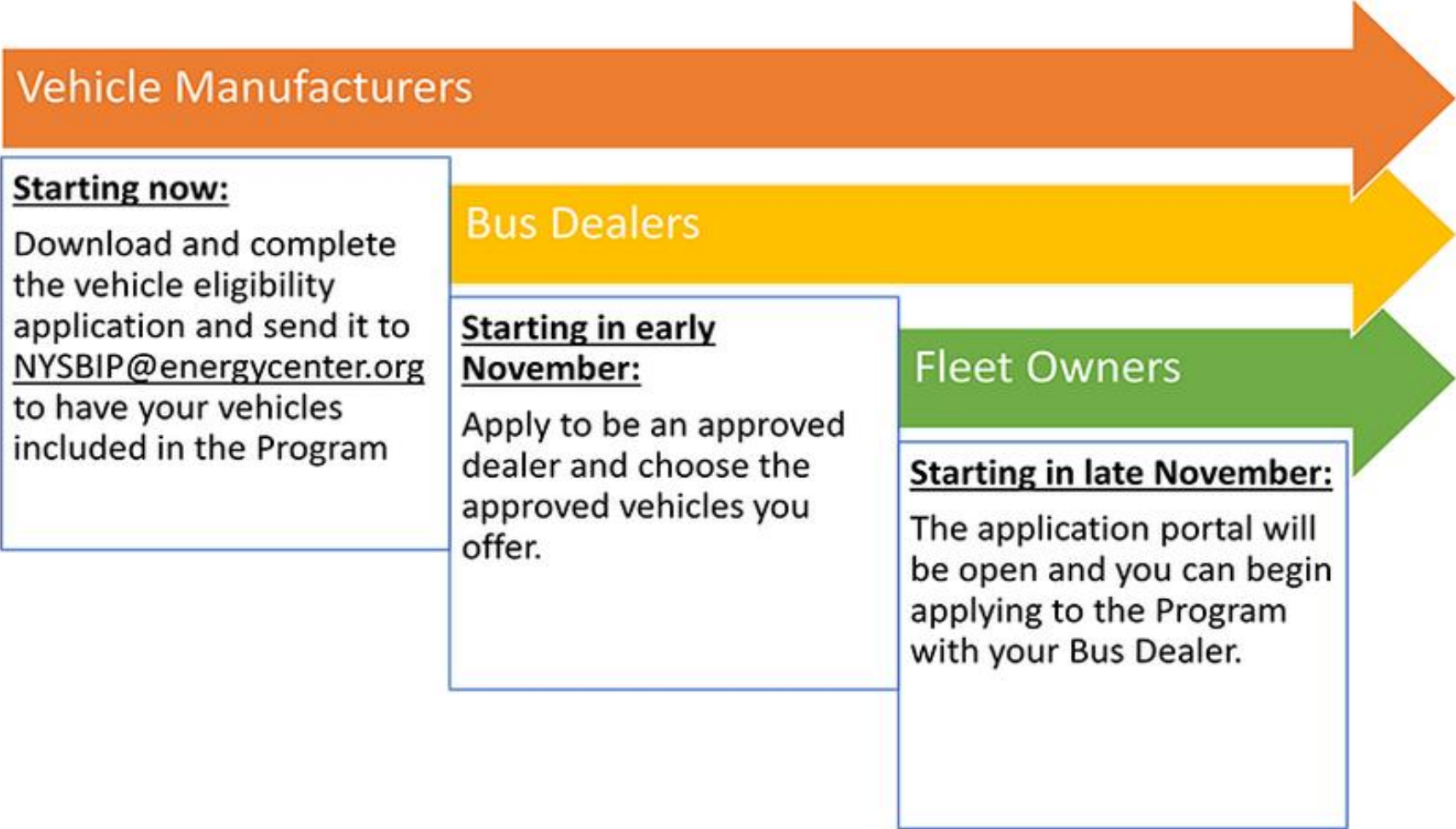
School Bus Type	Priority District Bonus Amount	Scrappage Bonus Amount	V2G Complementary Add-On Amount	Wheelchair Complementary Add-On Amount
NTA	\$28,500	\$47,500	\$9,500	\$8,000
NTC	\$36,750	\$61,250	\$12,250	\$8,000
NTD	\$39,000	\$65,000	\$13,000	\$8,000
RTA	\$21,000	N/A	\$7,000	N/A
RTC	\$27,000	N/A	\$9,000	N/A

NYSBIP Timeline

Manufacturers may register vehicles **now!** Download and submit the [Vehicle Eligibility Application](#).

Soon: Once vehicles are added, Dealers may apply to sell vehicles by completing the dealer application.

Fleets may begin applying for funding **November 29, 2023.**





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Thank You



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