



CITY OF MOUNT VERNON, N.Y.
DEPARTMENT OF PUBLIC WORKS

SHAWYN PATTERSON-HOWARD
Mayor

City Hall, One Roosevelt Square
Mount Vernon, NY. 10550
(914) 914-665-2339
email:dpwconcerns@mountvernonny.gov

DAMANI L. BUSH
Commissioner

JOHN NUCULOVIC
Deputy Commissioner

March 20, 2025

Honorable City Council Members
Of the City of Mount Vernon
City Hall, Mount Vernon, New York
(Through the Office of the Mayor)

Re: Request for Authorization to Accept a \$126,920 Technical Assistance Voucher from the Department of Energy's (DOE) Energy Efficiency and Conservation Block Grant (EECBG) Program for a Citywide Traffic Signal Study.

Dear Honorable City Council Members:

The Department of Public Works seeks approval to accept a federal Technical Assistance Voucher valued at \$126,920 through the U.S. Department of Energy's (DOE) Energy Efficiency and Conservation Block Grant (EECBG) Program. This voucher will facilitate a comprehensive citywide traffic signal study to assess the City's 367 intersections and optimize Mount Vernon's traffic signal infrastructure.

It is important to note that the City of Mount Vernon will not receive direct funding; rather, the DOE will select and directly compensate a qualified vendor to perform the study. This selection process will adhere to DOE's established procurement policies, ensuring that a qualified and experienced vendor is chosen through a competitive and transparent process. The City of Mount Vernon will not be involved in the procurement or payment process, eliminating any financial or administrative burden on the municipality.

The terms and conditions of this voucher have been reviewed by the City's Law Department, and no objections have been raised regarding its acceptance.

The traffic signal study will evaluate all signalized intersections across the city, with a focus on:

- Analyzing traffic flow efficiency and congestion patterns
- Assessing current signal timing and synchronization for optimization
- Identifying opportunities for LED signal retrofits and smart traffic management technologies
- Exploring the feasibility of adaptive traffic control system integration

This study will provide valuable insights that will enhance traffic management, promote sustainability, and support future funding opportunities for modernization efforts. The anticipated benefits include:

"The Jewel of Westchester"



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1. **Improved Traffic Flow & Safety:** Optimized signal timing will enhance vehicle movement, reduce congestion, and improve pedestrian safety at intersections.
2. **Reduction in Greenhouse Gas (GHG) Emissions:** Smoother traffic flow will reduce vehicle idling, lowering fuel consumption and emissions, benefiting our environmental justice communities.
3. **Energy Efficiency Gains:** The study will identify opportunities to transition to energy-efficient LED traffic signals, reducing municipal energy use and operational costs.
4. **Data-Driven Future Funding Applications:** The comprehensive analysis will provide critical data needed to pursue additional funding opportunities for full implementation of traffic signal modernization.

This initiative supports Mount Vernon's commitment to reducing emissions, enhancing air quality, and advancing environmental equity. Modernizing the city's traffic signal infrastructure will play a vital role in local and regional sustainability efforts, improving public health, air quality, and energy efficiency while fostering smart city advancements.

I respectfully request the City Council's authorization to accept the DOE's Technical Assistance Voucher for the traffic signal study, enabling Mount Vernon to leverage this federal support without any financial obligation on the city's part.

Warm Regards,

Shayne Brooks

Director of Sustainability
City of Mount Vernon, NY
Sbrooks@mountvernonny.gov
914-840-4040

Damani Bush

Commissioner of Public Works
City of Mount Vernon, NY
Dbush@mountvernonny.gov
914-665-2492

Attachment #1: Terms and Conditions

#2: Final Allocation of Funds Cover Page

#3: Page 35 of the Final Allocation of Funds (#1279 – Mount Vernon, NY)

Cc: Mayor's Office
Comptroller's Office
Law Department
Planning & Community Development (Grants)

"The Jewel of Westchester"