

# T Transportation Committee

**Meeting date: February 8, 2010**

**Metropolitan Council Meeting: February 24, 2010**

## ADVISORY INFORMATION

<b>Date:</b>	February 2, 2010
<b>Subject:</b>	Metro Mobility Hybrid Bus Purchase
<b>District(s), Member(s):</b>	All
<b>Policy/Legal Reference:</b>	State of Minnesota Cooperative Vehicle Procurement contract number B-347 (5)
<b>Staff Prepared/Presented:</b>	Arlene McCarthy, Director MTS (651)602-1754 Chris Gran, Director of Purchasing – Metro Transit (612)349-5060 Gerri Sutton, Asst. Dir. Contracted Transit Services (651)602-1672 Paul Colton, Sr. Manager – Metro Mobility (651)602-1668
<b>Division/Department:</b>	Metropolitan Transportation Services (MTS) - Metro Mobility

### Proposed Action

That the Metropolitan Council authorize the Regional Administrator to execute a purchase agreement with Hoglund Bus Company Inc. (MNDOT Contract 442667) for nine (9) buses in an amount not to exceed \$1,040,000.

### Background

This procurement is in alignment with the bus replacement schedule established for Metro Mobility.

- All buses will be electric/hybrid propulsion systems.
- Buses will be delivered in the 3<sup>rd</sup> quarter of 2010.
- The chassis will be manufactured by Ford and the bus body will be manufactured by Turtle Top.
- The Turtle Top Odyssey has been tested and rated as a 7-year bus.

### Rationale

The purchase of these buses is in alignment with the planned fleet replacement cycle allowing for a reliable Metro Mobility bus fleet and is consistent with past fleet purchases. Buses that are scheduled for replacement will have exceeded mileage thresholds of 275,000 – 375,000 miles. This purchase of electric/hybrid vehicles is consistent with the Council's and the State of Minnesota's initiatives to reduce carbon emissions.

It is estimated that these buses will obtain a 25% increase in fuel efficiency over comparable gasoline buses and that:

- Brake life will increase 75%;
- Engines and transmissions will have an extended life of up to 25%; and
- Metro Mobility will reduce up to 120 tons in carbon dioxide emissions over the life of each vehicle;

Analysis indicates estimated payback on the electric/hybrid components to break even with fuel costs averaging \$2/gallon over the life of each bus, and an \$11,000 savings with fuel costs averaging \$3/gallon.

### Funding

This bus acquisition utilizes the State of Minnesota Cooperative Vehicle Procurement Contract Release #B-347(5). This procurement is compliant with all State and Federal regulations, and provides the Metropolitan Council with competitive pricing. The State contract expires on November 30, 2010.

The funding for this project is the result of competitively awarded Federal TIGGER stimulus funds. The full Council approved the acceptance of TIGGER Funds on November 4, 2009 (see attached Item: 2009-387) and was amended into the Authorized Capital Program on November 4, 2009.

## **Known Support / Opposition**

No known opposition.

**Committee Report**

**T Transportation Committee**  
**For the Metropolitan Council meeting of November 4,**  
**2009**

Item: 2009-387

**ADVISORY INFORMATION**

Date October 27, 2009  
Prepared:  
Subject: Authorization for the Regional Administrator to Accept Federal Transit Investment for Greenhouse Gas and Energy Reduction (TIGGER) Funds

**Proposed Action:**

That the Metropolitan Council authorize the Regional Administrator to accept \$1,100,000 in ARRA TIGGER Grant Funds for the purchase of up to 10 electric/hybrid buses for use in Metro Mobility service.

**Summary of Committee Discussion / Questions:**

There were no questions or discussion related to this action item. Motion was made, seconded and passed.

Hearing no objection, Chair Meeks stated that this item could proceed to the full Council as a Consent Item.

Business Item

# T Transportation Committee

Item: 2009-387

Meeting date: October 26, 2009

Council Meeting November 4, 2009

## ADVISORY INFORMATION

Date:	October 21, 2009
Subject:	Authorization for the Regional Administrator to Accept Federal Transit Investment for Greenhouse Gas and Energy Reduction (TIGGER) Funds
District(s), Member(s):	All
Policy/Legal Reference:	Council Policy 3-2-2 Income Grants
Staff Prepared/Presented:	Arlene McCarthy, Director MTS (651) 602-1754 Gerri Sutton, Asst. Dir. Contracted Transit Svcs. (651) 602-1672 Paul Colton, Sr. Manager – Metro Mobility (651) 602-1668
Division/Department:	Metropolitan Transportation Services (MTS)

### Proposed Action

That the Metropolitan Council authorize the Regional Administrator to accept \$1,100,000 in ARRA TIGGER Grant Funds for the purchase of up to 10 electric/hybrid buses for use in Metro Mobility service.

### Background

The Federal Transit Administration solicited a competitive grant program aimed at public transit authorities. These funds are one time ARRA funds that have been set aside specifically for capital investments to reduce greenhouse gasses and reduce energy usage. Metro Mobility submitted a competitive application requesting \$2.44 million for the purchase of electric hybrid equipment. The Metropolitan Council approved the request permitting the Regional Administrator to submit the TIGGER grant application on May 27, 2009 (see attached memo 2009-164).

### Rationale

Metro Mobility's application for TIGGER funds provided an opportunity for the Council to obtain funding for fleet replacement that included components to improve fuel economy and reduce tailpipe emissions. Without the TIGGER funds, there would not be enough regional capital dollars to invest in this technology.

### Funding

This action allows the Metropolitan Council to receive and recognize \$1,100,000 of Federal Transit Investment for Greenhouse Gas and Energy Reduction (TIGGER) Funds.

### Known Support / Opposition

There is no known opposition to this funding.

# T Transportation Committee

**Business Item**  
Item: 2009-164

**Meeting date: May 11, 2009**  
**Council meeting May 27, 2009**

## ADVISORY INFORMATION

<b>Date:</b>	May 5, 2009
<b>Subject:</b>	Authorization to submit Metro Mobility Grant Application for ARRA funds.
<b>District(s), Member(s):</b>	All
<b>Policy/Legal Reference:</b>	Council Policy 3-2-2 Income Grants
<b>Staff Prepared/Presented:</b>	Arlene McCarthy, Director MTS (651)602-1754 Gerri Sutton, Asst. Dir. Contracted Transit Services (651)602-1672 Paul Colton, Sr. Manager – Metro Mobility (651)602-1668
<b>Division/Department:</b>	Metropolitan Transportation Services MTS - Metro Mobility

### Proposed Action

That the Metropolitan Council authorize the Regional Administrator to submit an ARRA grant application in the amount of \$2,444,000 for Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER) through the Federal Transit Administration (FTA).

### Background

Metro Mobility is scheduled to replace 51 buses in FY 2010. On April 27, 2009 the Transportation Committee approved the purchase of the first 16 small buses, upgraded to hybrid vehicles, with \$1,745,000 in ARRA funds. This procurement is part of the minimum 50% expenditures required within 180 days.

Metro Mobility has the opportunity to apply for ARRA funds through the TIGGER grant application process, which encourages transit agencies to be innovative in solutions to reduce energy consumption and greenhouse gas emissions including replacing existing vehicles with more energy-efficient vehicles or repowering existing vehicles with more energy efficient propulsion systems. Metro Mobility's TIGGER grant application would include up to 17 small electric hybrid buses and 18 electric hybrid automobiles which would complete the 2010 purchase.

### Rationale

- The 51 Metro Mobility buses scheduled for replacement in FY 2010 were originally programmed as gasoline vehicles. Thirty-five vehicles, upgraded to hybrids, will be applied for through the ARRA TIGGER grant.
- If the Council is awarded this TIGGER grant, \$1.36 million in RTC funds will be available for other regional transit uses. If the Council is not successful in the TIGGER grant application, the previously budgeted 2010 RTC funds and/or remaining FTA ARRA funds can be used to complete the vehicle purchase.

### Funding

TIGGER grants cover 100% of the project cost. A local match is not required.

### Known Support / Opposition

No known opposition.