

# T Transportation Committee

Meeting date: March 14, 2011

Metropolitan Council meeting March 23, 2011

## ADVISORY INFORMATION

<b>Date:</b>	February 18, 2011
<b>Subject:</b>	2011-2014 TIP Amendment Metro Transit: TIGGER II Section 5309 Funds to Install Geothermal Heating/Cooling System in O&M Support Facility
<b>District(s), Member(s):</b>	District 8 - Duinick
<b>Policy/Legal Reference:</b>	TAB Action
<b>Staff Prepared/Presented:</b>	Arlene McCarthy, Director (651-602-1754) Amy Vennewitz, Dep. Dir. Finance & Planning 651-602-1058 Carl Ohrn, Planning Analyst (651-602-1719)
<b>Division/Department:</b>	Metropolitan Transportation Services

### Proposed Action

That the Metropolitan Council concur with the Transportation Advisory Board (TAB) action to amend the 2011-2014 Transportation Improvement Program (TIP) to include a Metro Transit project that will use federal TIGGER II Section 5309 funds to install a geothermal heating/cooling system in the Hiawatha LRT operations and maintenance support facility.

### Background

Metro Transit was awarded a TIGGER II grant (Transit Investments for Greenhouse Gas and Energy Reduction) based on a national competitive program solicitation. This project for a total of \$1,500,000 (\$1,200,000 federal, \$300,000 local) will allow Metro Transit to install a geothermal heating system for the expanded Hiawatha LRT Operations and Maintenance Support Facility. The expansion is needed to accommodate the addition of the three-car train LRT service.

### Rationale

The project must be in the current TIP in order to use federal transportation funds. The TAC and TAB have reviewed the project and recommend it to the Council for approval.

### Funding

This project will utilize new Federal Section 5309 TIGGER II funds and local match using Regional Transit Capital (RTC) funds.

### Known Support / Opposition

No opposition was presented at the TAC or TAB meetings.

# Transportation Advisory Board

of the Metropolitan Council of the Twin Cities

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Bill Hargis  
Chair

March 8, 2011

County Commissioners

Andy Westerberg  
Anoka County

Randy Maluchnik  
Carver County

Paul Krause  
Dakota County

Jan Callison  
Hennepin County

Tony Bennett  
Ramsey County

Jon Ulrich  
Scott County

Dennis Hegberg  
Washington County

Municipal Officials

Dick Swanson  
Blaine City Council

Bethany Tjornhom  
Chanhasen City Council

Julia Whalen  
Champlin City Council

James Hovland  
Mayor of Edina

Becky Petryk  
Hugo City Council

Will Rossbach  
Mayor of Maplewood

Robert Lilligren  
Minneapolis City Council

Russ Stark  
St. Paul City Council

Citizen Members - Precinct

Andrew Reinhardt - A  
Thomas Heffelfinger - B

James Meyers - C  
Chuck Haik - D

Bart Ward - E  
Bill Hargis - F

Jill Smith - G  
Ken Johnson - H

Agency Representatives

Peggy Leppik  
Metropolitan Council

Scott McBride  
Minnesota DOT

Lisa Peilen  
M.A.C.

David Thornton  
M.P.C.A.

Modal Representatives

Richard Mussell  
Transit

Matthew Craig  
Transit

Ron Have  
Freight

David Gepner  
Non-motorized

Susan Haigh, Chair  
Metropolitan Council  
390 Robert Street No.  
St. Paul, MN 55101

Ms. Haigh,

On February 16, 2011, the Transportation Advisory Board voted to amend the 2011-2014 Transportation Improvement Program to include TIGGER II Section 5309 Funds to install a geothermal heating/cooling system in the Hiawatha LRT Operations & Maintenance and Support Facility.

TIGGER stands for the Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER) Program. Managed by FTA's Office of Research, Demonstration and Innovation in coordination with the Office of Program Management and Regional Offices, the TIGGER Program works directly with public transit agencies to implement new strategies for reducing greenhouse gas emissions or reduce energy usage from their operations. These strategies can be implemented through operational or technological enhancements or innovations.

The TAB forwards the TIP amendment action to the Metropolitan Council along with additional information described in TAB action transmittal 2011-18.

Sincerely,



*for* Bill Hargis,  
Chair

**Transportation Advisory Board**  
of the Metropolitan Council of the Twin Cities

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**ACTION TRANSMITTAL**

No. 2011-18

**DATE:** March 8, 2011  
**TO:** Metropolitan Council  
**FROM:** Transportation Advisory Board  
**SUBJECT:** TIP Amendment Request for Metro Transit: TIGGER II Section 5309 Funds to Install Geothermal Heating/Cooling System in O&M and Support Facility.

**MOTION:** The TAB adopted an amendment to the 2011-2014 TIP to include Metro Transit: TIGGER II Section 5309 Funds to Install Geothermal Heating/Cooling System in O&M and Support Facility.

**BACKGROUND AND PURPOSE OF ACTION:** Metro Transit was awarded a TIGGER II grant to install a geothermal heating and cooling system in lieu of a more typical gas combustion system. The geothermal system will reduce greenhouse gas emissions from the facility. This project is funded with new funds and is exempt from air quality conformity analysis.

TIGGER stands for the Transit Investments for Greenhouse Gas and Energy Reduction (TIGGER) Program. TIGGER II is the second round of grant awards in the Federal Register on January 31, 2011. Twenty-seven (27) projects consisting of a wide range of technologies in localities across the country have been selected for implementation. These projects encourage the use of wayside energy technologies; electric bus operations, geothermal installations, and other energy saving enhancements to assist transit agencies manage their energy usage.

Additional background material is attached.

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**ROUTING**

<b>TO</b>	<b>ACTION REQUESTED</b>	<b>DATE COMPLETED</b>
TAC Funding & Programming Committee	Review & Recommend	January 20, 2011
Technical Advisory Committee	Review & Recommend	February 2, 2011
TAB Programming Committee	Review & Recommend	February 16, 2011
Transportation Advisory Board	Review & Adopt	February 16, 2011
Metropolitan Council	Concurrence	



January 13, 2011

Karl Keel, Chair  
 TAC Funding & Programming Committee  
 390 North Robert Street  
 St. Paul MN 55101

Re: TIP/STIP Amendment to add FTA Sect 5309 Discretionary Award Funds for the Hiawatha Light Rail Transit O&M and Support Facility

Dear Mr. Keel:

Please consider this formal request from Metro Transit to amend the Minnesota 2011 – 2014 Transportation Improvement Program (TIP) for the Twin Cities, Minnesota. This project is being submitted with the following information:

**PROJECT IDENTIFICATION:**

STATE FISCAL YEAR	ATP	DIST	ROUTE SYSTEM	PROJECT NUMBER(S.P. #)	AGENCY	DESCRIPTION	MILES
2011	M	M	BB		Met Council - MT	Section 5309: Hiawatha LRT - Install geothermal heating/cooling system in O&M and Support Facility (Tigger II Funds)	0

PROG	TYPE OF WORK	PROP FUNDS	TOTAL \$	FHWA \$	AC \$	FTA \$	TH \$	OTHER \$
B3	Bus Grant Capital Improvement	FTA	\$1,500,000	\$0	\$0	\$1,200,000	\$0	\$300,000

**PROJECT BACKGROUND:**

- Briefly describe why amendment is needed (e.g., project in previous TIP but not completed; illustrative project and funds now available; discretionary funds received; inadvertently not included in TIP).

This project has received FTA 5309 discretionary funds as part of the TIGGER II grant. These funds will enable the project to install a geothermal heating and cooling system in lieu of a more typical gas combustion system. The geothermal system will reduce greenhouse gas emissions from the facility.

A service of the Metropolitan Council

