

**Memorandum**

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CITY SECRETARY  
DALLAS, TEXAS



CITY OF DALLAS

DATE April 5, 2013

TO Transportation and Environment Committee Members: Sheffie Kadane (Vice Chair),  
Sandy Greyson, Delia Jasso, Vonciel Jones Hill, and Mayor Pro Tem Pauline Medrano

SUBJECT Transportation and Environment Committee Meeting Agenda

**Monday, April 8, 2013 at 1:00 p.m. - 2:30 p.m.**

City Hall, 1500 Marilla Street, Room 6ES  
Dallas, TX 75201

1. **Approval of the Minutes for the March 25, 2013 Meeting**  
(Action / 1 Minute)
  
2. **Tiger Street Car Extension Update**  
Keith Manoy, Assistant Director, Public Works  
(Briefing / 30 Minutes)
  
3. **DART Policy for New Member Cities**  
Jesse Oliver, Deputy Executive Director, Dallas Area Rapid Transit  
(Discussion / 30 Minutes)
  
4. **North Texas Municipal Water District Untreated Water Contract**  
Jody Puckett, Director, Dallas Water Utilities  
(Briefing Memo / 15 Minutes)

*Linda L. Koop* (SF)

Linda L. Koop, Chair  
Transportation and Environment Committee

# Transportation and Environment Committee Meeting Agenda

April 8, 2013

Page 2

- c:           The Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
Thomas P. Perkins, Jr. City Attorney  
Rosa Rios, City Secretary  
Craig Kinton, City Auditor  
Daniel F. Solis, Administrative Judge  
A.C. Gonzalez, First Assistant City Manager  
Ryan S. Evans, Assistant City Manager  
Jill A. Jordan, P.E., Assistant City Manager  
Forest Turner, Assistant City Manager  
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Edward Scott, Director, Controller's Office  
Frank Libro, Public Information Office  
Rick Galceran, Director, Public Works  
Stephanie Cooper, Assistant to the City Manager – Council Office

***“A quorum of the Dallas City Council may attend this Council Committee meeting.”***

A closed executive session may be held if the discussion of any of the above agenda items concerns one of the following:

1. Contemplated or pending litigation, or matters where legal advice is requested of the City Attorney. Section 551.071 of the Texas Open Meetings Act.
2. The purchase, exchange lease or value of real property, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.072 of the Texas Open Meetings Act.
3. A contract for a prospective gift or donation to the City, if the deliberation in an open meeting would have a detrimental effect on the position of the City in negotiations with a third person. Section 551.073 of the Texas Open Meetings Act.
4. Personnel matters involving the appointment, employment, evaluation, reassignment, duties, discipline or dismissal of a public officer or employee or to hear a complaint against an officer or employee. Section 551.074 of the Texas Open Meetings Act.
5. The deployment, or specific occasions for implementation of security personnel or devices. Section 551.076 of the Texas Open Meetings Act.
6. Deliberations regarding economic development negotiations. Section 551.087 of the Texas Open Meetings Act.

## TRANSPORTATION AND ENVIRONMENT COMMITTEE MEETING RECORD

Transportation and Environment Committee (TEC) meetings are recorded.  
Agenda materials are available online at [www.dallascityhall.com](http://www.dallascityhall.com). Recordings may be reviewed/copied by contacting the TEC Staff Coordinator at 214-670-4545.

**Meeting Date:** March 25, 2013

**Start Time:** 1:04 p.m.

**Adjournment:** 2:11 p.m.

**Committee Members Present:**

Linda L. Koop (Chair), Sheffie Kadane (Vice Chair), Sandy Greyson, Vonciel Jones Hill, Delia Jasso, and Mayor Pro Tem Pauline Medrano

**Committee Members Absent:**

None

**Other Council Members Present:**

None

**City Executive Staff Present:**

Jill Jordon, Assistant City Manager  
Forest Turner, Assistant City Manager  
Keith Manoy, Assistant Director, Public Works and Transportation  
Jody Puckett, Director, Water Utilities  
Kelly High, Director, Sanitation Services

### TRANSPORTATION AND ENVIRONMENT COMMITTEE AGENDA

**1. Approval of Minutes for the February 25, 2013 Meeting**

**Action Taken/Committee Recommendation:**

Motion was made to approve the minutes for the February 25, 2013 meeting, subject to corrections. No corrections were suggested and the minutes were approved as submitted.

Made by: Kadane

Seconded by: Hill

Passed unanimously

**2. DART'S Integrated Corridor Management (ICM) and New 511 Website**

Koorosh Olyai, P.E., Assistant Vice President, Mobility Programs Development, Dallas Area Rapid Transit, briefed the committee members on the implementation of a plan to integrate activities of various transportation providers along the critical US 75 regional corridor. The 511 system will be DFW's official traffic and travel information source. A soft roll-out of the plan is scheduled for April, 2013.

**Action Taken/Committee Recommendation:**

Ms. Koop acknowledged the length of time spent on developing the 511 system and the remarkable achievement it represents. Ms. Koop mentioned the public will be appreciative as it is a movement towards the future. Ms. Koop asked if the Dallas North Tollway will be included in the ICM program. Mr. Olyai stated DART is currently receiving the static data and are working on receiving their dynamic data, however, one issue is that the Tollway functions more as a revenue generating business and their business rules must be taken into consideration. Ms. Koop also mentioned when the Tollway shuts down it's hard to get off and get to any other road going north or south.

Ms. Greyson asked if the northern boundary is Highway 121 and mentioned that the DART stations stop at Parker Road leaves quite a length of freeway between Parker Road and Highway 121 with no rail. Ms. Greyson asked if this had been taken into account when developing the program, and whether the plan would be adjusted. Mr. Olyai clarified the northern boundary and expressed that the rail is only one component of the transportation system, and the rail system will be introduced South of Parker Road. North of Parker Road the network is only limited to arterials, frontage roads and freeways. Mr. Olyai also explained that the Decision Support System (DSS) would take this into account with consideration given to all existing facilities.

Ms. Greyson made mention of Greenville Avenue turning into State Highway 5, and asked if it paralleled Central and whether United States Department of Transportation (US DOT) had looked at using Alma. Mr. Olyai responded that the aforementioned is somewhat east, and is the only corridor (arterially) that US DOT decided to look at, as Alma is a mile away from Central Expressway, and the next north/south running street (Custer Road). Mr. Olyai also mentioned that as the program expands, there will be no limit because sooner or later the (DSS) is going to be the way our transportation systems operate. Mr. Olyai further added that among all the locations that US DOT is looking at our networks are closer to each other than anywhere else in the country.

Ms. Greyson mentioned the need to educate the public concerning ticket purchasing methods to efficiently manage additional passengers when trying to alleviate traffic congestion with the traffic diversion plan. Ms. Greyson asked if parking provisions have been established in advance. Mr. Olyai confirmed the need for public education and touched on the recent expansion of both Bush and Parker Road Stations.

Ms. Greyson referred to slide 7 of DART's ICM Briefing, and asked for further discussion concerning the gap between the travel time savings and the improvement in travel time reliability estimates, and why the results for Minneapolis were so different. Mr. Olyai expressed that as a result of the network studies conducted, before going into modeling and simulation, they learned institutionally, operationally, and technically each agency independently operated their networks very well. Therefore, in searching for areas to increase capacity, integration must be utilized to further improve traffic management efficacy.

Ms. Medrano asked for more information concerning outreach and marketing. Mr. Olyai stated that he did not anticipate a need to advertise extensively, but that some billboards within the corridor would be utilized along with newspaper articles and some collateral print material, and finished by saying, "If the system is good, it will be used."

No action was taken on this item.

### **3. Long Range Water Supply Plan Progress**

Jody Puckett, Director, Dallas Water Utilities, provided the committee with an update to the Long Range Water Supply Plan and water supply alternatives. This plan also outlines project timelines, the current water status, and progress on the Integrated Pipeline (IPL) Project.

#### **Action Taken/Committee Recommendation:**

Ms. Koop thanked Ms. Puckett, and mentioned the take away from past experience is that instead of going at it alone as done in 2005, the City of Dallas will be planning as regional partners, and going forward will develop strategies that include everyone. Ms. Puckett agreed that regional planning has become an opportunity as unified voices are better heard in federal and statewide platforms, and creates a better long term plan for the region as a whole.

Ms. Jasso asked for talking points for the two areas being considered for infrastructure updates (Sulphur River and Neches River Basin). Ms. Puckett pointed out the two being discussed are only two of other areas being considered, but that is the direct partnership.

Ms. Jasso stated that Dallas did not grow very much in the last census of 2010, and asked what population numbers were being used to estimate when the City of Dallas would need to begin looking for new water. Ms. Puckett stated draft data projections were received from the Water Development Board. It is first vetted internally by analyzing Dallas proper and then subsequently all other customer cities within our service area. Ms Puckett also added that one of the items being brought back for the benefit of the committee will be those projections.

Ms. Jasso reminded Ms. Puckett to create talking points covering essential information for the upcoming discussions concerning water needs. Ms. Jasso also reiterated the need to begin planning for water needs for 2035 through 2070. Ms. Puckett agreed with Ms. Jasso's remarks, and reminded the committee that Dallas' water supply has been planned through 2035, if the drought of record doesn't exceed the plan. Ms. Puckett also expounded upon reliability to the supply as being an important factor as there have been occasions when water districts have suffered unforeseen events, and recommended taking a cautious planning approach.

Mr. Kadane asked if Lake Fastrill is still a possibility for development and what further steps will be necessary to gain a portion of the Sulphur River Basin. Ms. Puckett stated no, that in order to acquire any water rights from Lake Fastrill will require congressional action to overturn the refuge designation. Ms. Puckett also stated that Council will have a contract brought before them on April 10, 2013. The contract is to help look at the different water options available for Members of Region C that are available out of the Sulphur River Basin, which might include: lakes, river diversions, and/or diversions from existing reservoirs, and exploration of best options associated with that basin as a whole.

Mr. Kadane asked if Lake Palestine is currently available for water rights and when it would be used. Ms. Puckett responded that yes, Lake Palestine is already included as a source; however, it has been slated for future needs. Mr. Kadane questioned the future of drilling for water. Ms. Puckett responded that there is a pretty good component in our long range plan for the future of groundwater for the purposes of irrigation. Drilling would not satisfy the needs of a large city, but perhaps would help amenities such as parks.

Judge Hill asked for clarification concerning the location of the two potential reservoirs outlined on slides 14 and 20. Ms. Puckett explained the travel route as being in Northeast Texas along I-30, past Lake Ray Hubbard as if driving to Arkansas; North of Interstate 30, but south of the Red River; and explained that the reservoirs on the maps are proposed sites for future construction. Ms. Puckett further added the study also focuses on the way the basin responds from a hydrologic standpoint.

Judge Hill asked for more information on the location of Lake Palestine, and whether the City of Dallas owned the water rights, and at what cost/pay-out period would the water be pumped and how it would impact the state water planning currently being considered in legislature. Ms. Puckett explained the location of Lake Palestine and referenced the IPL Map for further details. The City of Dallas' portion of the construction contract is estimated to be at about one billion dollars over the course of 15 to 20 years, and added that the two studies in discussion today are supplements to the long range water supply study.

Ms. Greyson asked for Ms. Puckett to clarify what region the two basins were in. Ms. Puckett explained that most of the Sulphur River was considered to be partially or mostly in Region D and the other in Region I. Ms. Greyson asked if the Water Board decision is final when they intervene in an inter-basin dispute, and if they make recommendations to legislature. Ms. Puckett stated the Water Board currently makes the final decision; however, legislation itself can be pursued.

No action was taken on this item.

#### **4. Upcoming Agenda Item**

Agenda Item #28 on the March 27, 2013 Council Agenda: Authorize a contract with SAIC Energy, Environment & Infrastructure, LLC for a solid waste Resource Recovery Planning Study – Not to exceed \$215,600 – Financing: Current Funds (subject to appropriations) - Sanitation Services Department

#### **Action Taken/Committee Recommendation**

Motion was made to forward to full council for consideration on March 27, 2013.

Made by: Hill

Seconded by: Kadane

Passed unanimously

Linda L. Koop, Chair  
Transportation and Environment Committee

# Memorandum



CITY OF DALLAS

DATE April 5, 2013

TO Members of the Transportation and Environment Committee:  
Linda L. Koop (Chair), Sheffie Kadane (Vice Chair), Sandy Greyson,  
Delia Jasso, Vonciel Jones Hill, Pauline Medrano

SUBJECT **Tiger Street Car Extension Update**

On Monday, April 8, 2013, the Transportation and Environment Council Committee will be briefed on the Tiger Street Car Extension Update. The material is attached for your review.

Please feel free to contact me if you need additional information.

A handwritten signature in cursive script, reading "Jill Jordan".

Jill A. Jordan, P.E.  
Assistant City Manager

C: The Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
Thomas P. Perkins, Jr. City Attorney  
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Stephanie Cooper, Assistant to the City Manager – Council Office

# TIGER STREETCAR PROJECT UPDATE

## Transportation and Environment Committee

April 8, 2013

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# Presentation Outline

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- Purpose of Briefing
- TIGER Streetcar Project Background
- TIGER Streetcar Project Extension
- Extension Operation & Maintenance

# Purpose

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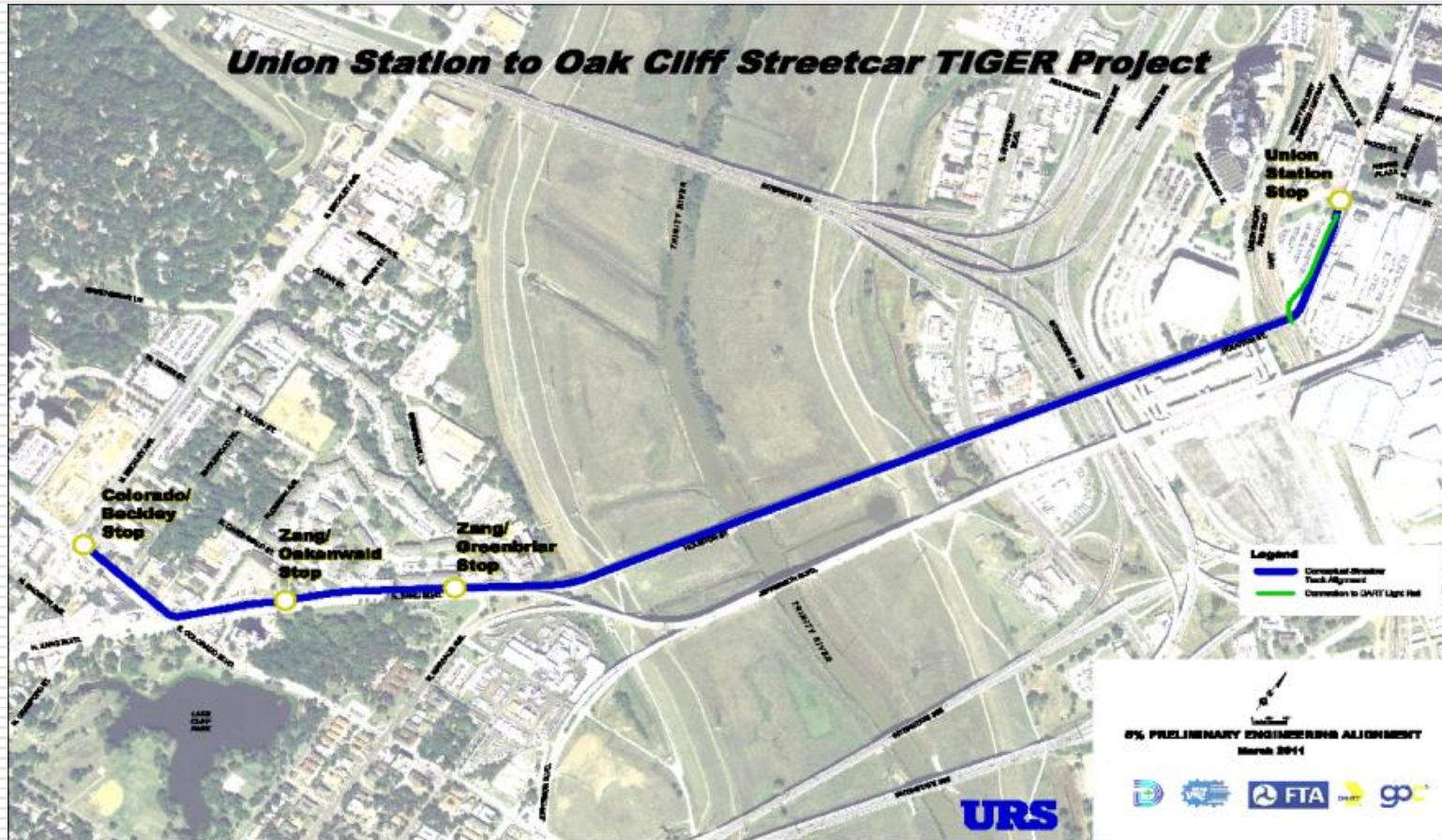
- ❑ Council will be asked to consider acceptance of a \$30.87M grant from the Regional Transportation Council to extend the TIGER Streetcar Project
- ❑ The project extension will increase the Operation and Maintenance cost for the streetcar project for which the funding source is undetermined
- ❑ Accepting this grant will commit the City as project owner to identifying the Operation and Maintenance funding
- ❑ This briefing explores this issue and possible funding sources

# TIGER Streetcar Project

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- Initial Dallas streetcar planning efforts grew out of CBD Comprehensive Transportation Plan and D2 light rail analysis
  - Focused within downtown loop
  - NCTCOG received a grant on behalf of the City of Dallas from the Federal Transit Administration for the streetcar starter line to serve the CBD and North Oak Cliff workforce
  - The 1.6 mile base project runs from Union Station to Methodist Hospital at a cost of approximately \$48.6M including vehicles
    - \$26M in federal funding
    - \$12.8M in local funding (Regional Tollroad Revenue)
    - \$9M from DART for vehicles

# TIGER Streetcar Project



# TIGER Streetcar Project

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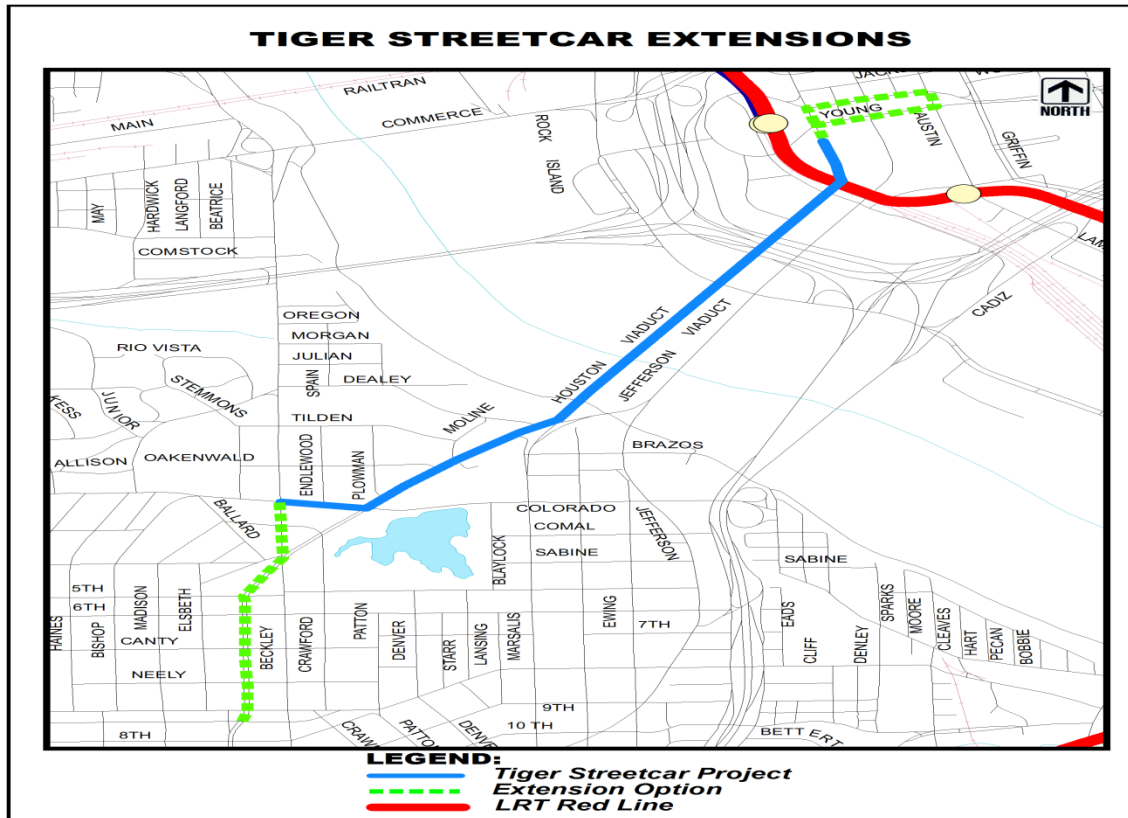
- Stacey and Witbeck/Carcon were given notice to proceed with final design and construction in September 2012 and bridge demolition is currently underway
  - Base project has been enhanced to provide double track operation along Zang and Colorado
  - Completion of base project is scheduled for October 2014
  
- Brookville Equipment Corporation was given notice to proceed with production of two vehicles in March 2013
  - First American made off-wire modern streetcar vehicle
  - The Dallas streetcar will be 8' wide, 66.5' long with capacity to carry 41 passenger seated and maximum 170 standees
  - Anticipated vehicle delivery is late summer 2014

# TIGER Streetcar Project Extension

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- The Regional Transportation Council (RTC) recently reprogrammed \$30.87M in Texas Mobility Funds to the Dallas Streetcar Project
  
- The funds are proposed to extend the base project an additional 1.25 miles and provide two additional vehicles
  - .75 miles south from Methodist Hospital to the Bishop Arts District (\$15M)
  - .5 miles north to the Dallas Convention Center/Omni Hotel (\$7.87M)
  - Streetcar Vehicles (\$8M)

# TIGER Streetcar Project Extension



# TIGER Streetcar Project Extension Operation and Maintenance Cost

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- Operation and Maintenance Costs for base Streetcar Project funded by Dallas Area Rapid Transit
  - Base project assumes weekday service only
    - 5:00 a.m. to 7 p.m. estimated at \$500K per year.
    - Assumes 20 minute peak service and 30 minute off peak service
  
- Operation and Maintenance Cost for Streetcar Extension
  - Extensions with weekday service only
    - 5:00 a.m. to 7 p.m. estimated at \$750K per year
    - Assumes 20 minute peak service and 30 minute off peak service
  - Extensions with weekday and weekend extended hours
    - Service until midnight estimated at \$2.5M per year
    - Assumes 15 minute headways



# TIGER Streetcar Project Extension Funding Challenges

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- Operation and Maintenance funding must be available prior to revenue service on the extension estimated for Spring 2015
  
- Existing financing structures to be explored:
  - Municipal management district (MMD)
  - Public Improvement District (PID)
  - Tax Increment Financing District (TIF)
  - DART contribution (Site Specific Shuttle Policy)
  - Private contribution

# Next Steps

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- ❑ Identification of funding sources for future Operation and Maintenance
- ❑ Council Acceptance of Regional Transportation Council Grant awarded through The Texas Department of Transportation. Award pending State and Federal approval of the Transportation Improvement Program(TIP) and Statewide Transportation Improvement Program (STIP) modifications

# Memorandum



CITY OF DALLAS

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TO Members of the Transportation and Environment Committee:  
Linda L. Koop (Chair), Sheffie Kadane (Vice Chair), Sandy Greyson, Delia Jasso, Vonciel Jones Hill, and Mayor Pro Tem Pauline Medrano

SUBJECT DART Policy for New Member Cities

On Monday, April 8, 2013 DART will discuss the Policy for New Member Cities. There is not a written briefing on this item.

Please contact me if you need additional information.

A handwritten signature in cursive script, appearing to read "Jill Jordan".

Jill A. Jordan, P.E.  
Assistant City Manager

c: The Honorable Mayor and Members of the City Council  
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DATE April 5, 2013

TO Honorable Members of the Transportation and Environment Committee: Linda L. Koop (Chair), Sheffie Kadane (Vice Chair), Sandy Greyson, Delia Jasso, Vonciel Jones Hill, Pauline Medrano

SUBJECT **North Texas Municipal Water District Untreated Water Contract**

On November 30, 2012, Dallas received a formal request from the North Texas Municipal Water District (NTMWD) to purchase up to 60 million gallons per day (MGD) of raw water for an initial term of three years. The request has been made due to the on-going drought as well as the loss of 26% of its supply as a result of the zebra mussel infestation in Lake Texoma. The initial term of this contract would allow NTMWD to complete a \$300M pipeline to bring Lake Texoma's water supply directly to its water treatment plant.

City staff has completed an evaluation of the impact NTMWD's request would have on Dallas' water supplies. Based on the planning conditions of the 1950's drought, the sale of up to 60 MGD will not impact the timing of any of the City's potential drought triggers if the drought of record reoccurs.

Although final details of the contract are being completed, the general terms are for the sale of up to 60 MGD of water for a three year term including a renewal option. NTMWD would pay an annual fee to reserve 60 MGD of water plus a cost per 1,000 gallons of water used. The contract includes an incentive for a District wide implementation of water conversation rules for permanent maximum twice weekly watering restrictions for customers and member cities which make up 95% of their demand.

A briefing is scheduled for the April 22, 2013 Transportation and Environment Committee and it is anticipated that the contract will be brought to the City Council for consideration at its April 24, 2013 Agenda Meeting.

Please let me know if you need additional information.

A handwritten signature in black ink, appearing to read 'Forest E. Turner'.

Forest E. Turner  
Assistant City Manager

Cc: The Honorable Mayor and Members of the City Council  
Mary K. Suhm, City Manager  
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