
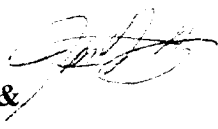




May 24, 1999

Metropolitan  
Transportation  
Authority  
  
One Gateway Plaza  
Los Angeles, CA  
90012-2952

**TO: BOARD OF DIRECTORS**

**FROM: JAMES L. de la LOZA, EXECUTIVE OFFICER**   
**REGIONAL TRANSPORTATION PLANNING &  
DEVELOPMENT**

**SUBJECT: QUARTERLY REPORT ON REGIONAL EXTERNAL  
ORGANIZATIONS**

**ISSUE**

This report is prepared in response to the October 1997 Board action that requires the CEO or designee to report quarterly to the Board on the status and progress of regional external organizations on which MTA is represented by Board members or elected-official appointees. Board members may request that any item described in this report be brought forward for discussion at a future Board meeting.

**BACKGROUND**

Attachment A is the Quarterly Report on Regional External Organizations: Fiscal Year 1998-99 3<sup>rd</sup> Quarter ending March 31, 1999. As a regional transportation agency, MTA participates on the boards of eight organizations.

The following report summarizes the roles and responsibilities, status, and progress of each organization.

Prepared by: Douglas Kim, Air Quality Program Manager  
Countywide Planning

Attachments

**METROPOLITAN TRANSPORTATION AUTHORITY**

**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

***3rd Quarter: ending March 31, 1999***

<b>ORGANIZATION:</b> 7) SCAG Transportation and Communications Committee (TCC)		<b>LEAD MTA STAFF:</b> Douglas Kim <b>PHONE NUMBER:</b> (213)922-2817	
<b>ROLES AND RESPONSIBILITIES:</b>  TCC is the policy advisory committee to the Southern California Association of Governments (SCAG) Regional Council (RC) on all regional matters pertaining to the movement of goods and people. The SCAG region includes six counties: Los Angeles, Orange, Riverside, San Bernardino, Ventura, and Imperial. TCC reviews and provides recommendations to SCAG's Regional Council regarding the Regional Transportation Plan (RTP), Regional Transportation Improvement Program (RTIP), and other transportation-related issues. Membership includes 47 elected officials from local government, councils of government, and transportation commissions, as well as non-elected officials from Caltrans.		<b>MTA REPRESENTATIVES:</b>  John Fasana (SGVCOG) Hal Bernson (City of Los Angeles) Jenny Oropeza (City of Long Beach) MTA Seat: Vacant	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>
Highway Congestion Relief Studies	On February 4, TCC approved expansion of a current study that is assessing congestion along the SR 101 in the San Fernando Valley. The expanded part of the study will look at the SR 101 between Route 134 and Downtown Los Angeles and cost from \$300,000-\$500,000, which will be included in the upcoming FY 1999-00 Overall Work Program.	SCAG will enter into a formal agreement with Congressman Brad Sherman and Caltrans to expand the study. Sherman will also submit a request to the Congressional Appropriations Committee for additional funds. A Task Force will be developed to oversee the scope of work for the expanded study.	U
STIP Amendment	In March, TCC approved changes to STIP projects in the region and transmitted them to the California Transportation Commission for inclusion in the State's 1998 STIP Augmentation. Four MTA projects were added to the STIP, including: a) Widen connector on Northbound 405 to Southbound 101; b) build auxiliary lane on 405 at 101 freeway; c) I-5 at Empire facility; and d) Route 138 (from 165 <sup>th</sup> to Avenue W).	In April, MTA staff will explain to TCC why it is requesting that STIP funds be programmed for use in the FY 2000/04 STIP.	U
High Speed Rail	In March, TCC was told that the Governor will support a proposal to undertake a high speed rail study, but only if it is submitted by the High Speed Rail Authority, not SCAG. The Governor indicated that SCAG can't pursue implementing a Statewide initiative.  In November 1998, TCC voted to draft a bill to recognize SCAG's responsibility under federal law for high speed rail in Southern California.	SCAG is planning on doing a \$6 million high speed rail study funded with public money. They anticipate that the high speed rail system will then be built entirely with private funds. SCAG will continue to lobby for a key role in the high speed rail planning process.	U
Planning Grants	In January, SCAG announced that it received planning grants from the State of California totaling \$3.2 million.		U
1999 Legislation	In March, the TCC supported an "Oppose" position on AB 44 (McClintock), which would eliminate HOV lanes in California and require cost-effectiveness studies for future HOV lanes.	More legislation will be considered in 1999 and forwarded to the Regional Council for decision.	U

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**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

**3rd Quarter: ending March 31, 1999**

<b>ORGANIZATION:</b> 7) SCAG Transportation and Communications Committee (TCC)		<b>LEAD MTA STAFF:</b> Douglas Kim <b>PHONE NUMBER:</b> (213)922-2817	
<b>ROLES AND RESPONSIBILITIES:</b>  TCC is the policy advisory committee to the Southern California Association of Governments (SCAG) Regional Council (RC) on all regional matters pertaining to the movement of goods and people. The SCAG region includes six counties: Los Angeles, Orange, Riverside, San Bernardino, Ventura, and Imperial. TCC reviews and provides recommendations to SCAG's Regional Council regarding the Regional Transportation Plan (RTP), Regional Transportation Improvement Program (RTIP), and other transportation-related issues. Membership includes 47 elected officials from local government, councils of government, and transportation commissions, as well as non-elected officials from Caltrans.		<b>MTA REPRESENTATIVES:</b>  John Fasana (SGVCOG) Hal Bernson (City of Los Angeles) Jenny Oropeza (City of Long Beach) MTA Seat: Vacant	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>
TCC Officers	Eileen Givens, Mayor of Glendale, served as Chair of TCC, while the Vice Chair seat is vacant.	Eileen Givens will serve as Chair for the final time in April. A new Chair and Vice-Chair will be appointed in May.	NA
Regional Transportation Plan (RTP) Update	<p>SCAG is considering updating its RTP in 1999 prior to the required 2001 RTP to address three following issues which the Regional Council did not feel were adequately resolved with the 1998 RTP adoption in April 1998: Growth, Aviation, and Long Term Financing.</p> <p>An RTP TAC composed of staff from the CTCs and subregions was reestablished to prepare for a December 1999 RTP update. In addition, nine RTP Task Forces were formed: Truck-Lane, Goods Movement, Aviation, Transportation Corridors, High Speed Rail/Maglev, Transit Restructuring, Long Range Transportation Finance, Four Corners, and Growth/Forecast. The Task Forces will advise RTP TAC, which will forward recommendations to the TCC. The Task Forces are comprised of both staff and elected officials from CTCs and local governments and subregions. The following MTA board members serve on RTP Task Forces:</p> <p>Aviation Subcommittee: H. Bernson, Y. Burke, J. Fasana, J. Oropeza                      Truck-Lane Task Force: H. Bernson, J. Oropeza                      High Speed Rail/Maglev Task Force: H. Bernson, J. Oropeza                      Long Range Transp. Finance Task Force: H. Bernson, J. Oropeza</p> <p>On February 4, TCC approved an RTP Public Participation and Outreach Program that emphasized subregional process in the development of input on regional planning issues.</p>	<p>In May, the TCC will consider the RTP TAC's recommendation on whether to proceed with a 1999 update of the RTP. SCAG staff has acknowledged that it is unlikely that the RTP's Task Forces can develop consensus on issues that must be resolved by April if a 1999 RTP update is to be done by December 1999.</p> <p>In January 2000, work will begin on the next RTP cycle—the 2001 RTP.</p>	U

05/25/99 \*S = Support, O = Oppose, N = Neutral, NA = Not Applicable, and U = Undecided

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### Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS

3rd Quarter: ending March 31, 1999

<b>ORGANIZATION:</b> 6) Regional Transportation Agencies Coalition (RTAC)		<b>LEAD MTA</b> Douglas Kim -- General RTAC <b>STAFF:</b> Cosette Stark -- Rideshare/SB 836 <b>PHONE:</b> (213)922-2817	
<b>ROLES AND RESPONSIBILITIES:</b> The RTAC is composed of the following voting member agencies: MTA, Orange County Transportation Authority (OCTA), Riverside County Transportation Commission (RCTC), San Bernardino Associated Governments (SANBAG), Ventura County Transportation Commission (VCTC), Imperial County, Southern California Association of Governments (SCAG), and Caltrans. The five Southern California air districts are ex-officio members.  RTAC provides member agencies with a forum to discuss legislative mandates of mutual interest as set forth in AB 1246. The mandates include SB 836, overseeing the implementation of the Regional Rideshare Program. Moreover, RTAC addresses issues of common interest in the areas of transportation, mobility, and air quality with the intent of facilitating identification, coordination, and resolution of issues affecting more than one of the member agencies. RTAC is chaired by a different member agency each calendar year; MTA chaired RTAC in 1998 and RCTC is chairing RTAC in 1999.		<b>MTA REPRESENTATIVES:</b> Vacant	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position *</b>
Election of Officers	In January, Tom Mullen was elected as the Chair of the RTAC in 1999. Charles Smith, OCTA, was elected as Vice Chair.	There are six (6) RTAC meetings and (6) RTAC TAC meetings planned for 1999. MTA will designate a new representative to replace Jan Heidt, former Chair of the RTAC in 1998.	NA
RTAC Priorities for 1999	In February, RTAC approved its annual priorities that will be monitored in 1999. These include: development of the RTP, RTIP, SCAG's Overall Work Program, regional rideshare programs, air quality, State and federal legislation, and related transportation and air quality issues.	RTAC will monitor the progress of these issues in 1999 and evaluate their impacts on transportation agencies.	NA
Approval of SB 836 Reimbursement and Project Narrative Reports	RTAC approved invoice reimbursement and project narrative reports for MTA 1997 SB 836 projects for period 9 on February 26, 1999. Projects being invoiced included MTA's Rideshare 2000 and Club Metro rideshare incentive programs in three corridors: the San Gabriel Valley Corridor, 405 Freeway Corridor, and 605 Freeway Corridor.  RTAC approved invoice reimbursement and project narrative reports for MTA 1997 and 1998 SB 836 projects for period 10 (9/1/98 - 11/20/98) on March 26, 1999 and totaled \$91,163. Projects being invoiced included MTA's Rideshare 2000 and Club Metro rideshare incentive programs.	The MTA's 1997 SB 836 project will be completed in 1999. The 1998 SB 836 Work Program is underway and includes MTA's expansion of the Rideshare 2000 and Club Metro programs to the San Fernando Valley and nearby areas. This project will be reviewed by RTAC over the next several months.	NA

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**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

**3rd Quarter: ending March 31, 1999**

<b>ORGANIZATION:</b> 5) Alameda Corridor Transportation Authority (ACTA)		<b>LEAD MTA STAFF:</b> <b>PHONE NUMBER:</b>		Michelle E. Smith (213) 922-3057
<b>ROLES AND RESPONSIBILITIES:</b>  ACTA is composed of the following member agencies: MTA, City of L.A., City of Long Beach, Port of Long Beach, and Port of Los Angeles. ACTA is responsible for managing the design and construction of the Alameda Corridor Program.		<b>MTA REPRESENTATIVES:</b>  Yvonne Burke Don Knabe		
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>	
Legislation	On April 8, 1999, the ACTA Governing Board approved support of economic development and infrastructure legislation (AB 357, SR 18).	Implementation of economic development and job creation activities.	N	
Alameda Corridor-Mid Corridor Segment Construction	The mid corridor construction consists of building a 33 foot deep trench for freight trains. Construction of the mid Corridor by-pass track is currently underway. The by-pass track work includes construction of a temporary rail line immediately east of the existing tracks and the future trench. By-pass traffic management plans are being developed for review by the corridor cities. Actual trench construction is expected to begin in mid-July.	The Mid-Corridor project design submittals that are currently 30% and 60% complete are scheduled to be finished in mid 1999.  The Mid-Corridor baseline schedule is under review and will be completed next quarter.	NA	
Henry Ford Grade Separation Project-South End Construction	Design is currently underway.	The target advertisement date for the Henry Ford Grade Separation project is July 1999.	NA	
Redondo Junction Grade Separation Project-North End Construction	Shimmick/Obayashi Joint Venture was awarded the contract for the Redondo Junction Grade Separation project.	The target completion date for the Redondo Junction Bridge is March 2001.	NA	
Washington & Santa Fe Grade Separations-North End Construction	The Washington & Sante Fe Grade Separation project was advertised on February 18, 1999. Bids are due on April 22, 1999.	The contract award date for the Washington Boulevard/Santa Fe Avenue Grade Separation is expected in May 1999. Construction to be completed September 2001.	NA	
Corridor Cities-Construction Impact Mitigation Measures	Construction impact mitigation measures are in process and ongoing. ACTA is developing a newsletter to disseminate project information and to support public information and outreach efforts. The first issue is scheduled for release in the next quarter.  Partnering workshops were conducted on March 3, 4 and 5, 1999. A formal partnering mission statement for the Alameda Corridor/Tudor Saliba Team Mid Corridor Segment was developed and signed on March 4, 1999. Several cities were represented at the local agency session on March 5 <sup>th</sup> .	For each stage of construction ACTA, in conjunction with the local agency, will develop a traffic management plan. Draft traffic management plans will be completed in the next quarter.	NA	

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### Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS

3rd Quarter: ending March 31, 1999

<b>ORGANIZATION:</b> 4) Mobile Source Air Pollution Reduction Review Committee (MSRC)		<b>LEAD MTA STAFF:</b> <b>PHONE NUMBER:</b>	Douglas Kim (213) 922-2817
<b>ROLES AND RESPONSIBILITIES:</b>  The MSRC is composed of the following member agencies: MTA, South Coast Air Quality Management District (SCAQMD), Southern California Association of Governments (SCAG), San Bernardino Associated Governments (SANBAG), Orange County Transportation Authority (OCTA), Riverside County Transportation Commission (RCTC), California Air Resources Board (CARB), and Southern California Rideshare (the regional ridesharing agency).  The MTA represents interests of MTA and LA County jurisdictions in allocating AB 2766 discretionary funds. This program is funded by a portion of an annual \$4 vehicle DMV surcharge and is designed to fund programs that reduce air pollution from motor vehicles.		<b>MTA REPRESENTATIVES/ALTERNATES:</b>  Beatrice LaPisto-Kirtley	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>
Election of Officers	None	MSRC will hold annual elections for Chair and Vice-Chair in May. The MSRC's Technical Advisory Committee (TAC) will also hold elections. MTA's Douglas Kim is currently the TAC's Vice-Chair.	NA
FY 1999-2000 work program	The MSRC continued its efforts to implement a \$13.2 million work program for FY 1999-2000. This includes open applications for clean fuel, heavy-duty trucks and buses. MTA and other transit agencies within LA County will compete for \$6 million in funds, while trucking interests will vie for \$3.4 million. In addition, \$3 million is set aside for transportation control measures (e.g., voluntary ridesharing, bike projects, land use programs, videoconferencing projects). Public and private entities are able to compete for these funds as well. The MSRC program can serve as a source of local co-funding for project proponents who receive funding through the Call for Projects.	The MSRC will evaluate proposals and recommend funding for specific projects in summer 1999. After projects are awarded funding in September, contracts will be executed with successful applicants.	NA
MTA Clean Fuel Bus Application	MTA submitted an application to the MSRC for \$12 million in co-funding for purchase of over 400 CNG buses. MSRC will consider this funding proposal	The MSRC will evaluate this application in summer 1999. If this application is funded in part or in whole, contracts could be executed as early as September.	NA

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**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

**3rd Quarter: ending March 31, 1999**

<b>ORGANIZATION:</b> 3) Los Angeles-San Diego Rail Corridor Agency (LOSSAN)		<b>LEAD MTA STAFF:</b> Patricia Chen <b>PHONE NUMBER:</b> (213)922-3041	
<b>ROLES AND RESPONSIBILITIES:</b>  LOSSAN is a Joint Powers Authority composed of OCTA, MTA, NTCD and Caltrans. (Ex officio members include: SCAG, SanDAG, VCTC, and SB-CAPC.) The organization's mission is the following: Provide efficient, effective inter-city rail services in the Los Angeles-San Diego Rail corridor. Specifics: Coordinate capital improvements along the corridor; develop capital program to secure funding from the State and the Federal governments; coordinate and conduct a legislative and lobbying program at the federal and state level for LOSSAN corridor issues, especially those that give voice to funding needs and funding inequities.		<b>MTA REPRESENTATIVES/ALTERNATES:</b>  Robert Arthur Vacant	
<b>Issue</b>	<b><i>Quarterly Actions (Including Dates of Actions)</i></b>	<b><i>6-Month Projected Actions</i></b>	<b><i>MTA Position*</i></b>
LOSSAN to be replaced by the Intercity JPA.	none	The Intercity JPA will assume most LOSSAN functions, however LOSSAN is the applicant for two federal grants. The two agencies will continue to coexist until the grants are completed.	S

**METROPOLITAN TRANSPORTATION AUTHORITY**

**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**  
3rd Quarter: ending March 31, 1999

<b>ORGANIZATION:</b> 2) Southern California Intercity Rail Group Joint Powers Board (SCIRG)		<b>LEAD MTA STAFF:</b> <b>PHONE NUMBER:</b>	Patricia Chen (213)922-3041
<b>ROLES AND RESPONSIBILITIES:</b>  Joint Powers Authority made up of MTA, OCTA, RCTC, SANBAG, SANDAG, SLOCOG, SBCAG, VCTC and SCAG. Mission: Determine the net benefit or cost of transferring Caltrans-administered intercity rail service (Amtrak) responsibility and state funding to a Southern California Rail Joint Powers Agency which would administer the operation of intercity rail service in the corridor between San Diego and San Luis Obispo.		<b>MTA REPRESENTATIVES:</b>  Robert Arthur Vacant	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>
Develop STIP funding request	In January the SCIRG finalized its STIP Amendment request list and transmitted it to the CTC.	In June, the CTC is anticipated to make its decision regarding STIP amendment funding.	S
Refine agency mission	none	At its April meeting the TAC agreed that at present the SCIRG may not be ready to take on the responsibility for administering intercity rail service, however the group has a strong interest in continuing to work together with Amtrak West and the CTC to support funding for Intercity rail service in Southern California.	S



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**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

**3rd Quarter: ending March 31, 1999**

<b>ORGANIZATION:</b> 1) Southern California Regional Rail Authority (SCRRA)		<b>LEAD MTA STAFF:</b> Carol Inge <b>PHONE NUMBER:</b> (213)922-3056	
<b>ROLES AND RESPONSIBILITIES:</b> The Joint Powers Authority is made up of MTA, OCTA, RCTC, SANBAG, and VCTC. Mission: Plan, construct, and administer the operation of regional passenger rail lines (what came to be known as "Metrolink").		<b>MTA REPRESENTATIVES/ALTERNATES:</b> Michael Antonovich/.....Robert Bartlett Larry Zarian/.....Vacant Richard Riordan/.....Nathan Brogin Hal Bernson/.....James Ledford	
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position*</b>
Changes in MTA Board Delegation to SCRRA	Eileen Givens, alternate to Larry Zarian, has withdrawn from the SCRRA Board.	During April, Ms. Givens' position was filled by Francine Oschin of the 12th Council District Office. In July, 1999 Mayor Richard Riordan's term as Chairman of the MTA Board will come to an end. The new Chair could make further changes in the appointments.	NA
FY 1997-98 Reconciliation	SCRRA has completed its reconciliation of MTA's share of FY 1997-98 expenditures and identified a \$2.5 million surplus. MTA management has determined that the surplus should be returned to the MTA Proposition C account in accordance with the terms of the subsidy allocation MOU.	None	NA
FY 1999-00 Budget Development	In January, members of the SCRRA Technical Advisory Committee (TAC) met with SCRRA staff to develop ridership projections for the FY 1999-2000 budget. The TAC then worked with SCRRA staff through February and March on the budget. The focus of the discussions was on containing agency costs to maintain increased levels of service without increasing member agency subsidies.	On April 23, 1999 the SCRRA will hold a Special Board Meeting to adopt the preliminary budget and transmit it to member agencies for their approval.	NA
Agency Chairmanship	The agency Chairmanship passed from RCTC to VCTC. Hal Bernson represents Los Angeles County as the Vice Chair.	None	NA
Implementation of Management Audit Recommendations	Over the next six months to a year the SCRRA, under the leadership of David Solow, will work to implement changes to improve agency communication and financial and contracting procedures as recommended in a peer group management audit.	NA	

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**Attachment A: QUARTERLY REPORT ON REGIONAL EXTERNAL ORGANIZATIONS**

**3rd Quarter: ending March 31, 1999**

<b>ORGANIZATION:</b> 8) Fuel Cell Buyers Consortium (FCBC)		<b>LEAD MTA STAFF:</b> <b>PHONE NUMBER:</b>		Eck Chaiboonma (213) 922-3014
<b>ROLES AND RESPONSIBILITIES:</b> FCBC is composed of the following member agencies: MTA, Los Angeles County, City of L.A. (Mayor's office), South Coast Air Quality Management District (SCAQMD), and the Mobile Source Air Pollution Reduction Review Committee.  FCBC roles and responsibilities include: 1. Improve bus service through the Fuel Cell-Powered ATTB, 2. Improve air quality through zero to low-emission Fuel Cell-Powered ATTB, 3. Capture economic benefits from fuel cell manufacturing, 4. Create new high technology jobs		<b>MTA REPRESENTATIVES/ALTERNATES:</b> James Cragin (Alternate: Vacant)		
<b>Issue</b>	<b>Quarterly Actions (Including Dates of Actions)</b>	<b>6-Month Projected Actions</b>	<b>MTA Position *</b>	
FCBC Membership	None	Appoint Mayor Beatrice LaPisto-Kirtley (representing SCAQMD) as Director of FCBC.	NA	
Fuel Cell Power System Procurement	None	Prepare and submit RFP to the FCBC board for approval to procure fuel cell power system to be installed on the ATTB.	NA	
Northrop Grumman	Ratified additional \$7,500 contract to cover completion of the following tasks: <ul style="list-style-type: none"> <li>Add interactive graphics to current simulation and validation program.</li> <li>Prepare briefing for the FCBC Board of Directors.</li> <li>Present briefing of MatrixX simulation program to the FCBC Board.</li> <li>Provide telephone support services for the operation of MatrixX simulation program to UC Davis and SriSoft Corporation.</li> </ul>	<ul style="list-style-type: none"> <li>Will complete the interactive graphics to MatrixX simulation and validation.</li> <li>Will present the MatrixX simulation program to the FCBC Board of Directors in January 1999.</li> <li>Will provide technical support via telephone to UC Davis and SriSoft Corporation staff.</li> </ul>	NA	
University of California, Davis (UC Davis)	Approved additional \$23,000 to UC Davis to perform the following tasks: <ul style="list-style-type: none"> <li>Installation of MatrixX software and initial software development.</li> <li>Perform an analysis to complete the system trade studies.</li> <li>Design and develop control system module.</li> </ul>	Install the Integrated System's MatrixX and System Build software. UC Davis will learn the new system, convert software modules to the MatrixX platform, and perform trade studies on the reformer, fuel cell system, power electronics, and energy storage system. These results will be used to specify component systems for the prototype fuel cell-powered ATTB. UC Davis will replace Northrop Grumman's control module with one capable of controlling all power systems on the fuel cell ATTB. The module will provide control algorithms for the reformer, fuel cell, energy storage, and bus auxiliary power system.	NA	