



AGENDA

Transit Committee Meeting

Committee Members

Tim Shaw, Chairman
Al Murray, Vice Chairman
Andrew Do
Steve Jones
Miguel Pulido
Tom Tait
Gregory T. Winterbottom

Orange County Transportation Authority
Headquarters
550 South Main Street
Board Room – Conf. Room 07
Orange, California

Thursday, January 11, 2018 at 9:00 a.m.

Any person with a disability who requires a modification or accommodation in order to participate in this meeting should contact the OCTA Clerk of the Board, telephone (714) 560-5676, no less than two (2) business days prior to this meeting to enable OCTA to make reasonable arrangements to assure accessibility to this meeting.

Agenda descriptions are intended to give members of the public a general summary of items of business to be transacted or discussed. The posting of the recommended actions does not indicate what action will be taken. The Committee may take any action which it deems to be appropriate on the agenda item and is not limited in any way by the notice of the recommended action.

All documents relative to the items referenced in this agenda are available for public inspection at www.octa.net or through the Clerk of the Board's office at the OCTA Headquarters, 600 South Main Street, Orange, California.

Call to Order

Pledge of Allegiance

Director Jones

1. Public Comments

Special Calendar

There are no Special Calendar matters.



Consent Calendar (Items 2 through 4)

All items on the Consent Calendar are to be approved in one motion unless a Committee Member or a member of the public requests separate action or discussion on a specific item.

2. Approval of Minutes

Approval of the minutes of the Transit Committee meeting of December 14, 2017.

3. SB 1 (Chapter 5, Statutes of 2017) State of Good Repair Program Recommendations for Fiscal Year 2017-18 Funds

Ben Ku/Kia Mortazavi

Overview

Funding recommendations are presented for the SB 1 (Chapter 5, Statutes of 2017) State of Good Repair program for fiscal year 2017-18 funds. These funds will help sustain and upgrade the Orange County Transportation Authority bus system, consistent with state program goals.

Recommendations

- A. Approve the use of \$5.607 million in fiscal year 2017-18 SB 1 State of Good Repair program funding for the purchase of ten zero-emission hydrogen fuel cell buses.
- B. Approve the use of any remaining fiscal year 2017-18 SB 1 State of Good Repair program funding (currently estimated to be \$66,181) for heating-ventilation unit replacements at Anaheim Base Maintenance Building.
- C. Approve Resolution 2018-015, consistent with the SB 1 State of Good Repair program guidelines.
- D. Authorize staff to make all necessary amendments to the Federal Transportation Improvement Program, as well as execute any necessary agreements to facilitate the above recommendations.



4. Award of Agreement for Compressed Natural Gas Fueling Facility Operation and Maintenance

Cliff Thorne/Beth McCormick

Overview

On September 25, 2017, the Board of Directors approved the release of a request for proposals for operation and maintenance services of the compressed natural gas facility located at the Irvine Sand Canyon Bus Base. Offers were received in accordance with the Orange County Transportation Authority procurement procedures for professional and technical services. Board of Directors' approval is requested to execute an agreement for these services.

Recommendations

- A. Approve the selection of Clean Energy as the firm to provide compressed natural gas fueling facility operation and maintenance.
- B. Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1930 between the Orange County Transportation Authority and Clean Energy, in the amount of \$534,600, to provide compressed natural gas fueling facility operation and maintenance, for a three-year initial term beginning March 1, 2018, with two, one-year option terms.

Regular Calendar

5. Local Agencies' Interest in Project V Call for Projects

Jodie McCann/Kia Mortazavi

Overview

Measure M2 establishes a competitive program through Project V to fund local bus transit services such as shuttles and trolleys that complement regional transit services. In preparation for a future Measure M2 Project V call for projects, staff requested local agencies to submit letters of interest. A report on the local agencies' interest in a future Project V call for projects is provided, including a recommendation to return with updated funding guidelines for a future call for projects.

Recommendation

Direct staff to return with revised Project V Guidelines for a potential call for projects that focuses on special event and seasonal services.



Discussion Items

- 6. Chief Executive Officer's Report**
- 7. Committee Members' Reports**
- 8. Closed Session**

There are no Closed Session items scheduled.

9. Adjournment

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Thursday, February 8, 2018**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.



Committee Members Present

Tim Shaw, Chairman
Al Murray, Vice Chairman
Andrew Do
Steve Jones
Miguel Pulido
Tom Tait
Gregory T. Winterbottom

Staff Present

Darrell Johnson, Chief Executive Officer
Ken Phipps, Deputy Chief Executive Officer
Laurena Weinert, Clerk of the Board
Sara Meisenheimer, Deputy Clerk of the Board
James Donich, General Counsel
OCTA Staff and members of the General Public

Committee Members Absent

None

Call to Order

The December 14, 2017 regular meeting of the Transit Committee was called to order by Committee Chairman Shaw at 9:03 a.m.

Pledge of Allegiance

Director Do led in the Pledge of Allegiance.

1. Public Comments

No public comments were received.

Special Calendar

There were no Special Calendar matters.

Consent Calendar (Items 2 through 4)

2. Approval of Minutes

A motion was made by Committee Vice Chairman Murray, seconded by Director Winterbottom, to approve the minutes of the Transit Committee meeting of November 9, 2017.

Directors Jones and Pulido were not present to vote on this item.

3. Amendment to Agreement for Project Management Consultant Services for Rail Programs

A motion was made by Committee Vice Chairman Murray, seconded by Director Winterbottom, and declared passed by those present, to authorize the Chief Executive Officer to negotiate and execute Amendment No. 8 to Agreement No. C-3-1587 between the Orange County Transportation Authority and Mott MacDonald, LLC, in the amount of \$1,125,156, for continued program management consultant support services for rail programs. This will increase the maximum cumulative payment obligation of the agreement to a total contract value of \$7,320,512.

Directors Jones and Pulido were not present to vote on this item.

4. Project V Community-Based Transit Circulators Program Ridership Report

Director Tait pulled this item after the vote to ask about the boarding's per revenue hour in Attachment A of the Staff Report and why some cities have lower numbers. Kurt Brotcke, Director of Strategic Planning, stated that the year round fixed-route services are not doing well, but the cities that focused on special events are especially successful. From a productivity standard, they need to meet six boardings per vehicle hour after a year and ten boardings at the end of the second year.

Director Tait inquired about San Clemente or Laguna Beach and if they are subsidized by the cities. Director Tait also requested a listing of cities that charged a fare for special event services. Mr. Brotcke stated that the cities are required to provide a 10 percent match to the operating cost.

Darrell Johnson, Chief Executive Officer (CEO), referred the Measure M2 in ordinance for Project V and noted the City of San Clemente is a good example of the Project V Program. Mr. Johnson added that in regards to Director Tait's request, staff will include the project scope and the goal of the project.

A motion was made by Committee Vice Chairman Murray, seconded by Director Winterbottom, and declared passed by those present, to receive and file as an information item.

Directors Jones and Pulido were not present to vote on this item.

Regular Calendar

5. Central Harbor Boulevard Transit Corridor Study

Kurt Brotcke, Director of Strategic Planning, introduced Eric Carlson, Senior Transportation Analyst, and provided a PowerPoint presentation as follows:

- Today's Update;
- Study Phases and Schedule;
- Mode/Feature Options;
- 12 Conceptual Alternatives;
- Evaluation Criteria;
- Evaluation Scores;
- Technical Evaluation Summary;
- Technical Input on Alternatives;
- Council Input on Alternatives;
- Community Input;
- Online Survey; and
- Next Steps.

A lengthy discussion ensued regarding:

- The constraints category focuses on road way, traffic operations, bridges, and under passes.
- Cost effectiveness and how it was determined.
- The total costs of the Streetcar, the Rapid Streetcar, and the Bus Rapid Transit per mile is shown in Attachment E of the Staff Report.
- Staff provided clarification on the top five evaluation scores in Slide Seven of the PowerPoint.
- Consideration of technical staff.
- Provide a summarization of all of the alternatives, which would include transit signal priority.
- Center alignments were a key issue identified by the technical staff.
- Community input approach.
- Director Do asked that all alternatives be presented to the city councils.
- Staff would not limit the alternatives information, however they will provide factual and technical information.
- Staff would make a recommendation based upon transit system performance.
- The city councils need to know who was involved with the preliminary study and who came up with options.
- Currently, a traffic analysis has not been studied.
- The timeline of the study and when it would return to the Board of Directors' (Board).

5. (Continued)

- Travel time for the alternatives.
- One of the criteria's is the number of people per vehicle and the Streetcar carries more people than the enhanced bus.
- OCTA cannot go forward without the support of the cities.
- OCTA is reviewing the transit system of the future and this is an initial planning study guided by the Federal Transit Administration.
- Committee Vice Chairman Murray stated that lessons were learned from CenterLine project, that OCTA is a regional Board, and the importance in moving forward with the discussion phase of this study.
- Director Tait expressed his concerns about cost, speed, and flexibility and that these should be raised at the city council presentations by staff. In addition, he stated concerns about the Streetcar alternatives, as well as, traffic congestion impacting the City of Anaheim.

A motion was made by Committee Vice Chairman Murray, seconded by Director Pulido, and declared passed by those present, to by those present, to:

- A. Direct staff to offer presentations of the study results to the city councils in the study area, and return to the Board of Directors with a status report when completed.
- B. Direct staff to continue to work with technical staff from each of the corridor cities and the California Department of Transportation to identify key issues that would need to be addressed during any subsequent study efforts.

Director Tait voted in opposition.

Director Do was not present to vote on this item.

Committee Vice Chairman Murray asked that staff ensure that all 12 alternatives are included in the presentations to the city councils.

6. Transit Division Performance Measurements Report for the First Quarter of Fiscal Year 2017-18

Johnny Dunning, Jr., Department Manager of Scheduling and Customer Advocacy, provided a PowerPoint presentation as follows:

- Performance Measurements;
- Safety;
- Courtesy;
- Reliability – On Time Performance;
- Reliability – Miles Between Road Calls;
- Fixed-Route-Ridership and Productivity;
- ACCESS-Ridership and Productivity;
- Farebox Recovery Ratio;
- Cost per Revenue Vehicle Hour;
- Performance: Local Routes;
- Performance: Community Routes;
- Performance: Express/Stationlink Routes;
- Transit Performance and OC Bus 360°;
- Performance: System-wide Trends;
- Performance: OC Bus 360° Improvements;
- Performance: OC Bus 360° Reductions; and
- Next Steps.

A lengthy discussion ensued regarding:

- The increase in the variable rate is based on a rolling 12-month average and that adjustments will need to be made to the contracted fixed-route contract due to the Irvine Shuttle service.
- The Contracted Fixed-Route service is operating within the contract parameters.
- The farebox recovery ratio, differences between an urban and suburban system was explained, and how each community/route needs something different.
- How the overall system is measured was explained.
- Staff is tracking performance of the OC Bus 360° routes that were changed, the system as a whole, and staff needs 16-months of data before the information can be used for forecasting.
- The percentage of riders who were positively and negatively impacted by the adjustments of OC Bus 360°.
- A summary of OC Bus 360° improvements is noted on Slide 16 of the PowerPoint presentation.

6. (Continued)

- The Santa Ana College pass program which started in August, has taken 350,000 trips.

Following the discussion, no action was taken on this receive and file information item.

Discussion Items

7. Chief Executive Officer's Report

Darrell Johnson, CEO, reported on the following:

- On December 15th, the Orange County Transportation Authority (OCTA) will be hosting the 25th Annual Stuff-A-Bus Toy Drive, along with ABC 7 and the Southern California firefighters at the Honda Center. Buses and staff will available from 4:30 a.m. to 6:30 p.m. and everyone is invited to participate.
- For the 16th year in a row, OCTA is offering free bus rides on New Year's Eve from 6:00 p.m. to 2:30 a.m. OCTA is rolling out the marketing campaign to promote this free service.
- On behalf of the staff, Mr. Johnson thanked the Transit Committee for their attention, support, and guidance, especially with the OC Bus 360° project.

8. Committee Members' Reports

- Committee Vice Chairman Murray commended staff for mobility in the County and requested that the message of free bus rides on New Year's Eve be forward to all of the Orange County city councils He also wished everyone a Merry Christmas.
- Director Pulido thanked staff for their hard work and stated it is a pleasure to serve on the Transit Committee.
- Committee Chairman Shaw commented on the La Habra Tamale Festival and reported 716 boardings, as a result of the Project V bus service. Mr. Johnson, CEO, stated that the rides went up by 25 percent from last year. Committee Chairman Shaw expressed his appreciation and thanked the Committee for their hard work.
- Director Tait requested the subsidies per boarding on the Central Harbor Boulevard Transit Corridor Study. Mr. Johnson, CEO, responded that they do not have that information since it's in the early stages, but the financial criteria is available, which will be highlighted in the upcoming presentation.



9. Closed Session

There were no Closed Session items scheduled.

10. Adjournment

The meeting adjourned at 10:29 a.m.

The next regularly scheduled meeting of this Committee will be held at **9:00 a.m. on Thursday, January 11, 2018**, at the Orange County Transportation Authority Headquarters, 550 South Main Street, Board Room - Conference Room 07, Orange, California.

ATTEST

Tim Shaw
Committee Chairman

Sahara Meisenheimer
Deputy Clerk of the Board



January 11, 2018

To: Transit Committee

From: Darrell Johnson, Chief Executive Officer

Subject: SB 1 (Chapter 5, Statutes of 2017) State of Good Repair Program
Recommendations for Fiscal Year 2017-18 Funds

Overview

Funding recommendations are presented for the SB 1 (Chapter 5, Statutes of 2017) State of Good Repair program for fiscal year 2017-18 funds. These funds will help sustain and upgrade the Orange County Transportation Authority bus system, consistent with state program goals.

Recommendations

- A. Approve the use of \$5.607 million in fiscal year 2017-18 SB 1 State of Good Repair program funding for the purchase of ten zero-emission hydrogen fuel cell buses.
- B. Approve the use of any remaining fiscal year 2017-18 SB 1 State of Good Repair program funding (currently estimated to be \$66,181) for heating-ventilation unit replacements at Anaheim Base Maintenance Building.
- C. Approve Resolution 2018-015, consistent with the SB 1 State of Good Repair program guidelines.
- D. Authorize staff to make all necessary amendments to the Federal Transportation Improvement Program, as well as execute any necessary agreements to facilitate the above recommendations.

Background

On April 28, 2017 Governor Brown signed SB 1, known as the Road Repair and Accountability Act of 2017. SB 1 will provide over \$50 billion in new transportation funding over the next decade to repair highways, bridges, local roads, and improve transit service. The State of Good Repair (SGR) program is

a transit capital program funded from the new SB 1 Transportation Improvement Fee on vehicle registration. A portion of this fee will be transferred to the State Controller's Office (SCO) for the SGR program. For fiscal year (FY) 2017-18, the SGR formula program is estimated to provide \$105 million statewide. The Orange County Transportation Authority's (OCTA) share is estimated to be \$5.673 million, based on a November 3, 2017 SCO letter. The specific goal of the SGR is to rehabilitate and modernize existing local transit systems.

The California Department of Transportation (Caltrans) issued final guidelines for the SGR program on December 21, 2017. Transit agencies are required to submit projects for Caltrans' confirmation of eligibility by January 31, 2018. Funds are expected to be allocated quarterly by the SCO beginning in May 2018.

Discussion

Staff is seeking approval to authorize the use of \$5.673 million in SB 1 SGR funds towards the purchase of ten zero-emission hydrogen fuel cell buses (Bus Project) (\$5.607 million) and heating-ventilation unit replacements (HVAC Project) (\$66,681).

The Board of Directors (Board) approved entering into an agreement with New Flyer Corporation for \$12.913 million for the purchase of ten zero-emission hydrogen fuel cell buses on November 13, 2017. OCTA, in partnership with the Center for Transportation and the Environment, received \$7.307 million in grant funding from the California Air Resources Board and the South Coast Air Quality Management District for the Bus Project. OCTA is seeking approval to provide the remaining \$5.607 million in SB1 SGR funds as a match.

Additionally, OCTA is proposing to use any remaining SB 1 SGR funds, currently estimated to be \$66,681, for the HVAC Project at the Anaheim Base Maintenance Building. The HVAC Project will replace thirty year-old heating-ventilation units at the Anaheim Bus Base Maintenance Building. The total cost for the replacement is \$447,380 and the remaining \$380,699 will be funded with Federal Transit Administration Section 5337 funds. This project was approved in OCTA's FY 2017-18 budget, Capital Programs Division, Account 1722-9022-D3103-0AL.

In order to access the funds, OCTA is required to submit a Board-approved list of projects, certifications and assurances, and authorized agent forms through a resolution, which is provided in Attachment A. The authorized agent form authorizes the Chief Executive Officer, or his designee, to sign documents on

behalf of OCTA. The above recommendations are consistent with Caltrans' SGR guidelines. The action is also consistent with OCTA's programming policies to maximize external funding opportunities. The changes that are requested in this report have been added to the OCTA Capital Funding Program (Attachment B).

Next Steps

With Board approval, staff will submit a request for use of \$5.673 million in FY 2017-18 SGR funds for the purchase of ten zero-emission hydrogen fuel cell buses and heating-ventilation unit replacements to Caltrans by January 31, 2018. The guidelines indicate that Caltrans will finalize and submit the statewide list of FY 2017-18 projects to the SCO on or before March 16, 2018. It is anticipated that the SCO will begin releasing FY 2017-18 funds to transit agencies starting in May 2018.

Summary

Staff is recommending that OCTA use FY 2017-18 SGR funds as a match to grant funds for the purchase of ten zero-emission hydrogen fuel cell buses and to support the purchase and installation of heating-ventilation unit replacements. The Board is further requested to approve a resolution authorizing submittal of these projects and execution of the certifications and assurances and authorized agent forms.

Attachments

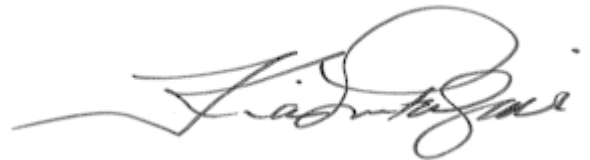
- A. Resolution 2018-015, Authorization for the Execution of the Certifications and Assurances and Authorized Agent Forms for the SB 1 (Chapter 5, Statutes of 2017) State of Good Repair Program and for the Purchase of Ten Zero-Emission Hydrogen Fuel Cell Buses and Heating-Ventilation Unit Replacements for FY 2017-18 SB 1 State of Good Repair Program funding: \$5,673,043
- B. Capital Funding Program Report

Prepared by:

Handwritten signature of Ben Ku in black ink.

Ben Ku
Principal Transportation Funding Analyst
State and Federal Programming
(714) 560-5473

Approved by:

Handwritten signature of Kia Mortazavi in black ink.

Kia Mortazavi
Executive Director, Planning
(714) 560-5741

RESOLUTION 2018-015

**AUTHORIZATION FOR THE EXECUTION OF THE CERTIFICATIONS AND
ASSURANCES AND AUTHORIZED AGENT FORMS FOR THE
SB 1 (CHAPTER 5, STATUTES OF 2017) STATE OF GOOD REPAIR
PROGRAM AND FOR THE PURCHASE OF TEN ZERO-EMISSION
HYDROGEN FUEL CELL BUSES AND HEATING-VENTILATION UNIT
REPLACEMENTS FOR FY 2017-18 SB 1 STATE OF GOOD REPAIR
PROGRAM FUNDING: \$5,673,043**

WHEREAS, the Orange County Transportation Authority (OCTA) is an eligible project sponsor and may receive state funding from the SB 1 State of Good Repair (SGR) Program now or sometime in the future for transit projects; and

WHEREAS, the statutes related to state-funded transit projects require a local or regional implementing agency to abide by various regulations; and

WHEREAS, in collaboration with the State Controller's Office (SCO), the California Department of Transportation (Caltrans) is tasked with the management and administration of the SGR Program; and

WHEREAS, Caltrans has developed guidelines for the purpose of administering and distributing SGR funds to eligible project sponsors (local agencies); and

WHEREAS, OCTA wishes to delegate authorization to execute these documents and any amendments thereto to Darrell Johnson, Chief Executive Officer; and

WHEREAS, OCTA wishes to implement the SGR project listed in the title above;

NOW, THEREFORE, BE IT RESOLVED by the OCTA Board of Directors (Board) that the fund recipient agrees to comply with all conditions and requirements set forth in the Certification and Assurances and the Authorized Agent documents and applicable statutes, regulations, and guidelines for all SGR-funded transit projects;

NOW THEREFORE, BE IT FURTHER RESOLVED that Darrell Johnson, Chief Executive Officer, or his designee, be authorized to execute all required documents of the SGR program and any amendments thereto with Caltrans;

NOW, THEREFORE, BE IT RESOLVED by the Board that the fund recipient agrees to comply with all conditions and requirements set forth in applicable statutes, regulations, and guidelines for all SGR-funded transit projects;

NOW, THEREFORE, BE IT FURTHER RESOLVED by the Board that it hereby authorizes the submittal of the following project nominations to Caltrans in fiscal year 2017-18 SGR funds:

- Purchase of Ten Zero-Emissions Hydrogen Fuel Cell Buses
- Heating-Ventilation Unit Replacements at the Anaheim Bus Base Maintenance Building

ADOPTED, SIGNED AND APPROVED this 22nd day of January, 2018.

AYES:

NOES:

ABSENT:

ATTEST:

Laurena Weinert
Clerk of the Board

Lisa Bartlett, Chair
Orange County Transportation Authority

OCTA Resolution No. 2018-015



Capital Funding Program Report

Pending Board of Directors (Board) Approval - January 22, 2018

Bus Transit Project

Project Title	M Code	Total Funding	State Funds		Federal Funds		Local Funds		
			STIP/Other	State Bonds	RSTP/CMAQ	Other Fed.	M1	M2	Local - Other
Go Local - Step 1	S	\$5,730					\$5,730		
Mobile Ticketing Equipment	S	\$4,036	\$2,482						\$1,554
Project V Community Circulators	V	\$35,089						\$35,089	
Project W Safe Transit Stops (City)	W	\$1,207						\$1,207	
Project W Safe Transit Stops (OCTA)	W	\$370						\$370	
10 Zero Emission Hydrogen Fuel Cell Buses ¹		\$12,914	\$5,607						\$7,307
ACCESS and fixed-route radio systems upgrade		\$22,465		\$16,239		\$4,775			\$1,451
Associated Transportation Improvements		\$556				\$556			
Bus replacement - articulated alternative fuel buses (60')		\$29,900			\$22,250	\$7,650			
Bus replacement (40' and ACCESS)		\$150,214			\$29,198	\$69,344			\$51,672
Capital cost of contracting (ACCESS and contracted fixed-route contracts)		\$474,865				\$189,946			\$284,919
Central Harbor Transit Study		\$641	\$97		\$544				
Engine rebuild		\$14,824				\$14,824			
FTA Section 5310 Enhanced Mobility of Seniors & Individuals with Disabilities		\$3,548				\$3,548			
FTA Section 5316 Jobs Access and Reverse Commute		\$13,962				\$13,962			
FTA Section 5317 New Freedom		\$6,388				\$6,388			
Goldenwest Transportation Center parking structure		\$4,000			\$3,400				\$600
Goldenwest Transportation Center surface lot		\$2,000		\$1,200					\$800
Heating Ventilation Unit Replacements ²		\$448	\$67			\$381			
Non-fixed-route paratransit operations assistance		\$240,952				\$48,486			\$192,466
OCTA Transit Security & Operations Center		\$6,260		\$6,260					
Preventive maintenance - including salaries and benefits (includes ATN & Laguna Beach) ³		\$212,133				\$212,133			
Rideshare/vanpool		\$6,732			\$6,732				
Transit Security Program		\$3,997		\$3,997					
Transit System Study Pilot Project		\$6,000			\$6,000				
Vanpool Program - capital lease		\$12,838			\$12,838				
VSS Upgrades at OCTA Facilities – Santa Ana, Garden Grove, Anaheim, & Irvine Bases and Administration		\$3,100		\$2,140		\$960			
Bus Transit Project Totals		\$1,275,169	\$8,253	\$29,836	\$80,962	\$572,953	\$5,730	\$36,666	\$540,769

State Funding Total	\$38,089
Federal Funding Total	\$653,915
Local Funding Total	\$583,165
Total Funding (000's)	\$1,275,169

Board Actions:

1. Approve the use of \$5.607 million in FY 17-18 SB 1 (Chapter 5, Statutes of 2017) State of Good Repair funds for the purchase of ten zero emission hydrogen fuel cell buses. Includes \$7.307 million in California Air Resources Board and South Coast Air Quality Management district grant funding.
2. Approve the use of \$0.066 million in FY 17-18 SB 1 State of Good Repair funds for the heating ventilation unit replacements. Includes \$0.381 million in FTA Section 5337 funds.
3. Decreases by \$0.381 million in FTA Section 5337 funds that are being programmed for the heating ventilation unit replacements.

Acronyms:

M Code - Project Codes in Measure M1 and M2
 STIP - State Transportation Improvement Program
 RSTP - Regional Surface Transportation Program
 CMAQ - Congestion Mitigation and Air Quality Improvement Program
 M1 - Measure M1
 M2 - Measure M2
 OCTA - Orange County Transportation Authority
 FTA - Federal Transit Administration
 ATN - Anaheim Transit Network
 VSS - Video Surveillance System
 FY - Fiscal Year



January 11, 2018

To: Transit Committee

From: Darrell Johnson, Chief Executive Officer

Subject: Award of Agreement for Compressed Natural Gas Fueling Facility Operation and Maintenance

Overview

On September 25, 2017, the Board of Directors approved the release of a request for proposals for operation and maintenance services of the compressed natural gas facility located at the Irvine Sand Canyon Bus Base. Offers were received in accordance with the Orange County Transportation Authority procurement procedures for professional and technical services. Board of Directors' approval is requested to execute an agreement for these services.

Recommendations

- A. Approve the selection of Clean Energy as the firm to provide compressed natural gas fueling facility operation and maintenance.
- B. Authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1930 between the Orange County Transportation Authority and Clean Energy, in the amount of \$534,600, to provide compressed natural gas fueling facility operation and maintenance, for a three-year initial term beginning March 1, 2018, with two, one-year option terms.

Discussion

Operation and maintenance (O&M) service for compressed natural gas (CNG) equipment located at the Irvine Sand Canyon Bus Base requires daily service. The Orange County Transportation Authority (OCTA) requires the firm to furnish a qualified labor force, parts and materials sufficient to operate and maintain the Irvine Sand Canyon CNG fueling station in accordance with all federal, state, and local regulatory agencies, while providing capabilities to fuel up to 130 CNG-powered buses per established specifications. The firm shall operate and maintain existing equipment to compress supplied natural gas and two CNG dispensers capable of fueling two buses simultaneously. OCTA will

be responsible for the fuel dispensers and fueling CNG-powered buses and other vehicles. The electrical power and natural gas is provided by OCTA.

Procurement Approach

This procurement was handled in accordance with OCTA's Board of Directors (Board)-approved procedures for professional and technical services. In addition to cost, other factors are considered in an award for professional and technical services. Award is recommended to the firm offering the most comprehensive overall proposal, considering factors such as qualifications, prior experience with similar projects, staffing and project organization, work plan, as well as cost and price.

On September 25, 2017, the Board authorized the release of Request for Proposals (RFP) 7-1930 to select a firm to provide CNG fueling facility O&M services. The RFP was issued electronically on CAMM NET. The project was advertised in a newspaper of general circulation on September 28 and October 2, 2017. A pre-proposal conference and job walk were held on October 3, 2017, with six attendees representing two firms. One addendum was issued to provide a copy of the pre-proposal conference registration sheets and respond to questions related to the RFP.

On October 24, 2017, three proposals were received. An evaluation committee consisting of OCTA staff from Contracts Administration and Materials Management, Maintenance, Capital Programs, and Health Safety and Environmental Compliance departments met to review the submitted proposals. The proposals were evaluated based on the following Board-approved evaluation criteria and weights:

- | | |
|-------------------------------------|------------|
| • Qualifications of the Firm | 30 percent |
| • Staffing and Project Organization | 15 percent |
| • Work Plan | 25 percent |
| • Cost and Price | 30 percent |

Several factors were considered in developing the criteria weights. A higher level of importance was assigned to the qualifications of the firm, as well as cost and price, to emphasize the importance of the proposing firms' related experience in CNG fueling facility O&M, with a proven history in successfully completing similar services efficiently. Cost and price was also a critical requirement for firms to demonstrate competitiveness in pricing to carry out the required turn-key services. The work plan was weighted at 25 percent to ensure the proposing firms demonstrated their understanding and approach to

accomplish the work specified in the scope of work. Staffing and project organization was assigned 15 percent to ensure the proposed staff are knowledgeable and experienced in preventive maintenance and other requested services.

On November 7, 2017, the evaluation committee reviewed all proposals based on the evaluation criteria for firms listed below in alphabetical order:

Firm and Location

Clean Energy (CE)
Newport Beach, California

Trillium USA Company, LLC (Trillium)
Houston, Texas

TruStar Energy, LLC (TruStar)
Rochester, Minnesota

On November 14, 2017, the evaluation committee conducted interviews with all three firms. Each firm had the opportunity to present its approach for accomplishing the requested services, project team qualifications, and respond to evaluation committee questions. During the interview, each firm described its understanding of tasks involved in this project, especially tasks which have the potential to cause disruption to bus operations, daily inspections process, as well as monitoring process for the CNG station and associated equipment. All firms also answered specific questions related to each firm's proposal relative to OCTA's service requirements.

After interviews, in addition to a best and final offer (BAFO) to provide more competitive pricing, all firms were requested to submit a statement to confirm the proposed BAFO pricing will be firm-fixed throughout the initial and option terms of the agreement, and that the response time to critical service problems shall be within two hours, as specified in the scope of work.

After considering the information obtained through interviews and the BAFO, the evaluation committee made adjustments to preliminary scores. However, the ranking of the firms remained unchanged.

Based on the evaluation of written proposals, the information obtained from interviews, and the BAFO, it is recommended that CE be selected to provide CNG fueling facility O&M at the Irvine Sand Canyon Bus Base. The following is a brief summary of the proposal evaluation results.

Qualifications of the Firm

All three firms are established companies with experience in providing CNG fueling facility O&M services.

CE's proposal displayed a thorough understanding of the requested services specified in the RFP. CE specializes in designing, building, operating and maintaining CNG and liquefied natural gas (LNG) vehicle fueling stations for transit agencies. The firm has successfully provided CNG facility O&M services throughout California to customers including Los Angeles County Metropolitan Transportation Authority, University of California, San Diego, Foothill Transit, and Sacramento Regional Transit. CE is the current contractor providing O&M services to OCTA's CNG fueling facility at Irvine Sand Canyon Bus Base, and is also the contractor who designed and built the facility in 2008. During the interview, the firm demonstrated a solid experience with O&M compressors, CNG, LNG, maintenance scheduling and coordination, as well as all preventive, scheduled, and unscheduled maintenance repair services.

Trillium demonstrated an in-depth understanding of the overall project. Trillium is also skilled and experienced in providing a wide range of designing, building, operating and maintaining CNG and LNG vehicle fueling stations for bus transit agencies. Trillium is the contractor who designed and built OCTA's Santa Ana CNG fueling facility in 2008 and is currently maintaining the station. Trillium subsequently designed, built, and currently maintains OCTA's CNG fueling stations at Anaheim and Garden Grove Bus bases. Trillium's customers include City of Visalia Transit, North County Transit District, and San Diego Metropolitan Transit System. During the interview, Trillium demonstrated experience in CNG station design and automation configuration, in addition to O&M, and has vast experience with station takeovers and equipment optimization to smooth the transition process.

Both CE and Trillium provided numerous references from bus transit customers, where CE and Trillium designed, built, and has operated and maintained the facilities for more than ten years.

TruStar also showed a very good understanding of the overall project and has extensive project experience in performing the services in the scope of work in commercial industries. The firm is a turn-key operation providing CNG station design and construction, manufacturing, fuel contracting, station maintenance and operations, and services. Its customers include United Parcel Service, Advanced Disposal, and Chrysler, where TruStar designed, built, and continues to provide full service to their CNG fuel facilities. The firm presented an excellent

interview, elaborating on the qualifications and experience with its current customers presented in the proposal.

Staffing and Project Organization

All three firms proposed experienced and well-rounded project teams with relevant experience in CNG fueling facility O&M services.

The team proposed by CE has extensive experience in the field of CNG stations. During the interview, CE presented a team who demonstrated knowledge and expertise in successfully providing similar project delivery and CNG fueling facility O&M services to various transit agencies. CE presented a strong team both in the proposal and during the interview with a high level of competence and commitment to the success of this project, utilizing the same personnel that currently services OCTA's CNG fueling station at the Irvine Sand Canyon Bus Base.

Trillium proposed a highly-experienced team with project experience in successfully operating and maintaining the CNG facilities for transit projects. The proposed Trillium team demonstrated a full comprehension of the project's requirements and outstanding capacity in the requested services during the interview. Trillium proposed the same team that is currently providing CNG fuel facility O&M services at OCTA's Anaheim and Garden Grove Bus bases. The team presented an excellent interview, providing detailed answers to questions from the evaluation committee.

TruStar proposed key personnel who have comprehensive experience in CNG fueling facility O&M services. The proposed project manager for TruStar demonstrated strong leadership skills and led the proposed team throughout the interview. TruStar's proposed team also displayed experience working as a team in providing requested services to its customers during the interview.

Work Plan

CE's work plan presented a thorough approach and understanding of OCTA's requirements, including the inspection frequency, preventive, remedial and emergency maintenance, remote monitoring, and monthly maintenance reports. CE's work plan analyzed the scheduled and unscheduled repairs specified in the scope of work and provided comprehensive maintenance activities and emergency call-out plans. The proposed work plan also includes several scenarios of a station shutdown and provides solutions detailing all necessary actions. CE's remote station monitoring center is based in Newport Beach, California to monitor real-time station status and performance, as well as

detect any faults or alarms that occur. The firm's work plan presented a comprehensive response to the requirements specified in the RFP and reflected a high level of experience to provide the requested services.

Trillium's work plan clearly presented the knowledge and experience to carry out and maintain high level service standards. Trillium has invested in each team member for completion of training programs designed by Trillium, as well as component and system manufacturers, to ensure there is a high quality of work performed. Trillium's work plan also covers preventative and remedial maintenance activities, as well as routine maintenance, such as inspections, calibration adjustments and repairs to ensure compliance with all performance and fuel-availability requirements specified in the RFP. Trillium's network of national CNG operations is monitored and based in Houston, Texas, with personnel who visually monitor stations, answer calls, and respond to equipment faults.

TruStar presented a work plan addressing all elements of the scope of work in the written proposal, such as preventive, remedial, and emergency maintenance, remote monitoring, and both scheduled and unscheduled maintenance. The work plan also includes a detailed checklist and duty guidelines to be performed by service technicians on a daily and weekly basis. TruStar's work plan contains a wireless communication panel accessible by OCTA, and installed onsite, to provide real time, minute-by-minute status of the CNG station, logging station operation and activity to help predict maintenance failure.

Cost and Price

The firms were asked to provide firm-fixed per therm cost based on various throughput ranges. The proposed per therm rate was scored based on 150,000 therms per month, the actual average monthly throughput over the past two years. Pricing scores were based on a formula, which assigned the highest score to the lowest total pricing and scored the other proposals total pricing based on their relation to the lowest total pricing. While all firms demonstrated a thorough understanding of the project, CE proposed the lowest total pricing.

Procurement Summary

Based on the evaluation of the written proposals, the firm's qualifications, and information obtained from the interviews and BAFO, the evaluation committee recommends the contract award to CE. The firm demonstrated a thorough understanding of OCTA's requirements for CNG fueling facility O&M and submitted a comprehensive proposal responsive to all requirements of the RFP.

Fiscal Impact

Funds for these services are included in the OCTA Fiscal Year 2017-18 Budget, Transit Division, Maintenance Department, Account 2166-7611-D1208-TSC; this project is 80 percent funded with Federal Transit Administration Formula 5307 Preventive Maintenance funds and 20 percent funded with the local transportation fund.

Summary

Based on the information provided, staff recommends the Board authorize the Chief Executive Officer to negotiate and execute Agreement No. C-7-1930 with Clean Energy, in the amount of \$534,600, to provide CNG fueling facility operation and maintenance, for a three-year initial term beginning March 1, 2018, with two, one-year option terms.

Attachments

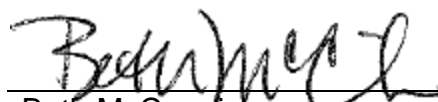
- A. Review of Proposals, RFP 7-1930 CNG Fueling Facility Operation and Maintenance
- B. Proposal Evaluation Criteria Matrix, RFP 7-1930 CNG Fueling Facility Operation and Maintenance
- C. Contract History for the Past Two Years, RFP 7-1930 CNG Fueling Facility Operation and Maintenance

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Review of Proposals
RFP 7-1930 CNG Fueling Facility Operation and Maintenance
Presented to Transit Committee - January 11, 2018
3 proposals were received, 3 firms were interviewed, 1 firm is being recommended.

Overall Ranking	Proposal Score	Firm & Location	Sub-Contractors	Evaluation Committee Comments	Three-Year Initial Term Total Firm-Fixed Price
1	84	Clean Energy Newport Beach, California	Diana Prince Construction, Inc.	Highest-ranked firm overall. Firm and key staff demonstrated a thorough understanding of the service requirements in the proposal and during the interview with a high level of competence and commitment to the success of this project. Work plan presented comprehensive responses to the requirements specified in the RFP and in-depth project experience to provide requested services. Currently providing O&M services to OCTA's CNG fueling facility at Irvine Sand Canyon bus base. Lowest pricing proposed.	\$534,600
2	75	Trillium USA Company, LLC Houston, Texas	Dynamic Contracting Services	Second-ranked firm overall. Firm has extensive experience in providing a wide range of CNG fueling facility O&M to public agencies. Experienced and well-rounded project team demonstrated a full comprehension of the project's requirements and capacity in the requested services during the interview. Work plan clearly presented a broad knowledge as well as experience to carry out and maintain a high level of service standards. Currently providing O&M services to OCTA's CNG fueling facilities at Anaheim and Garden Grove bus bases. Higher pricing proposed	\$750,600
3	67	TruStar Energy, LLC Rochester, Minnesota	RBT Electric Inc.	Third-ranked firm overall. Firm experienced in providing CNG fueling facility O&M to large commercial firms. Proposed staff are qualified and have good experience in providing the services required by the scope of work. Provided a good work plan and approach, addressing all elements of the scope of work in the written proposal. Highest pricing proposed	\$882,000

Evaluation Panel:

Contracts Administration and Materials Management (1)
Facilities Maintenance (1)
Health Safety and Environmental Compliance (1)
Maintenance, Bus Operations (1)
Rail Programs & Facilities Engineering (1)

Proposal Criteria

Qualifications of the Firm
Staffing and Project Organization
Work Plan
Cost and Price

Weight Factors

30%
15%
25%
30%

PROPOSAL EVALUATION CRITERIA MATRIX
RFP 7-1930 CNG Fueling Facility Operation and Maintenance

FIRM: Clean Energy						Weights	Overall Score
Evaluator Number	1	2	3	4	5		
Qualifications of Firm	4.0	4.0	4.0	4.0	4.0	6	24.0
Staffing/Project Organization	3.5	4.0	4.0	3.5	3.5	3	11.1
Work Plan	3.5	4.0	3.5	4.0	3.5	5	18.5
Cost and Price	5.0	5.0	5.0	5.0	5.0	6	30.0
Overall Score	82.0	86.0	83.5	84.5	82.0		84
FIRM: Trillium USA Company, LLC						Weights	Overall Score
Evaluator Number	1	2	3	4	5		
Qualifications of Firm	4.0	4.0	4.5	4.0	4.0	6	24.6
Staffing/Project Organization	4.0	4.0	3.5	3.5	3.5	3	11.1
Work Plan	3.5	4.0	4.0	3.5	3.5	5	18.5
Cost and Price	3.5	3.5	3.5	3.5	3.5	6	21.0
Overall Score	74.5	77.0	78.5	73.0	73.0		75
FIRM: Trustar Energy						Weights	Overall Score
Evaluator Number	1	2	3	4	5		
Qualifications of Firm	3.5	3.5	3.5	3.5	3.5	6	21.0
Staffing/Project Organization	3.5	3.5	3.5	3.5	3.5	3	10.5
Work Plan	3.5	3.5	4.0	3.5	3.5	5	18.0
Cost and Price	2.9	2.9	2.9	2.9	2.9	6	17.4
Overall Score	66.4	66.4	68.9	66.4	66.4		67

CONTRACT HISTORY FOR THE PAST TWO YEARS
RFP 7-1930 CNG Fueling Facility Operation and Maintenance

Prime and Subcontractor	Contract No.	Description	Contract Start Date	Contract End Date	Subconsultant Amount	Total Contract Amount
Clean Energy						
Contract Type: Time and Expense	A30233	Liquefied Natural Gas (LNG) Fuel, Emergency Back-Up	November 10, 2014	November 9, 2017	N/A	\$ 500,000
Subconsultants: None						
Contract Type: Firm-Fixed Price	C71529	Agreement for Hydrogen Gas Detection Upgrades	June 23, 2017	October 31, 2017		\$ 80,405
Subconsultants: Reliable Monitoring Services					\$ 39,000.00	
Contract Type: Time and Expense	C70997	Agreement for Compressed Natural Gas (CNG) Facility Operation and Maintenance	January 15, 2008	February 28, 2018	N/A	\$ 5,969,038
Subconsultants: Weaver Electric Inc.						
Contract Type: Time and Expense	C61436	Agreement for LNG	November 1, 2016	May 31, 2018	N/A	\$ 575,000
Subconsultants: None						
Sub Total						7,124,443
Trillium USA Company LLC						
Contract Type: Time and Expense	C53680	Agreement for CNG Facility Operation and Maintenance	June 29, 2007	November 30, 2021		\$ 31,569,196
Subconsultants: Amtek Construction						
Sub Total						\$ 31,569,196
TruStar Energy, LLC						
Contract Type: N/A	None	N/A	N/A	N/A	N/A	\$ -
Subconsultants: None						
Sub Total						\$ -



January 11, 2018

To: Transit Committee

From: Darrell Johnson, Chief Executive Officer

Subject: Local Agencies' Interest in Project V Call for Projects

Overview

Measure M2 establishes a competitive program through Project V to fund local bus transit services such as shuttles and trolleys that complement regional transit services. In preparation for a future Measure M2 Project V call for projects, staff requested local agencies to submit letters of interest. A report on the local agencies' interest in a future Project V call for projects is provided, including a recommendation to return with updated funding guidelines for a future call for projects.

Recommendation

Direct staff to return with revised Project V Guidelines for a potential call for projects that focuses on special event and seasonal services.

Background

Project V is a competitive program under Measure M2 (M2) that provides funding to develop and implement local transit services. Services currently eligible for this program include community-based transportation and demand-responsive services that complement regional bus and rail services, and better suit local needs in areas not adequately served by regional transit. This competitive program provides funding for both capital and operations. Year-round services and seasonal/special event shuttles have been eligible to compete for funding.

Consistent with the approved Project V Guidelines, all Project V-funded services must achieve a performance standard of six passenger boardings per revenue vehicle hour (B/RVH) within the first 12 months of operations, must achieve ten B/RVH within the first 24 months of operations, and maintain ten B/RVH every year thereafter.

Status Update on the Projects Currently Funded with Project V Funds

Since inception, the Orange County Transportation Authority (OCTA) Board of Directors (Board) has approved 23 projects with operational and maintenance elements for a total of \$36.5 million in Project V funds. There are 16 services currently in operation. These services include a mixture of special event, fixed-route, and on-demand projects. An update on these services was recently provided to the Transit Committee on December 14, 2017 and the Board on January 8, 2018. The special event services have been especially successful with productivity levels averaging approximately 21 B/RVH as reported in the previous ridership report. The fixed-route services have not performed at the same level, and several agencies have experienced difficulties in meeting the minimum performance standard.

Discussion**Letters of Interest in a Future Call for Projects (call)**

To further serve the mobility needs of the communities in Orange County, staff requested letters of interest from local agencies to determine the timing for a future round of Project V funding. Staff received 13 letters of interest for a future round of Project V funding from local agencies which include Buena Park, Dana Point, Irvine, Laguna Beach, Laguna Niguel, Mission Viejo, Orange, Placentia, San Clemente, San Juan Capistrano, Santa Ana, Tustin, and Yorba Linda.

Approximately half of the cities submitted an interest in seasonal or special event services. A few agencies are interested in year-round services, and one agency expressed an interest for on-demand transit service similar to OC Flex. An overview of the letters of interest submitted by local agencies and potential projects for consideration in the next round of Project V funds is provided in Attachment A.

Considering the level of interest in providing new community-based service and the lessons learned from existing projects and successes, staff is proposing that the next Project V call target local agency-led special events and seasonal service. Staff is also proposing not to consider planning studies due to lack of interest, so that focus can be entirely on operational services in the next call. Further, given experience with prior year-round Project V services, staff believes the next call should be focused on seasonal and special event services only. Staff also believes it is prudent to wait until after the pilot OC Flex is underway, and lessons can be learned from this program and the current on-demand service in San Clemente. This way, staff can gain more experience with

deployment of on-demand services before considering such projects for grant funding. Also, with the next call having an emphasis on seasonal and special event services, OCTA should not be considered as the operator for any Project V proposed services. However, OCTA can be a resource to the local agencies and provide support to local agencies.

Summary

Currently, 13 local agencies have expressed interest in the next call. However, agencies who have not submitted a letter of interest are still eligible to apply. In preparation for the next M2 Project V call, OCTA staff is requesting Board approval to work with local agencies and return with revised Project V Guidelines to issue the next call that focuses only on local agency-led special events and seasonal service.

Attachment

- A. Project V Letters of Interest Overview

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Project V Letters of Interest Overview

Local Agency	Project Title	Type	2016 Call for Projects Project V Planning Study
Buena Park	Shuttle Service	Year-Round	No
Dana Point	Dana Point Trolley	Seasonal Expansion	No
Irvine	To Be Determined	To Be Determined	No
Laguna Beach	Summer Weekend Service	Seasonal	No
Laguna Niguel	Trolley Service	Year-Round	Yes
Mission Viejo	Local Circulator	Year-Round Expansion	Yes
Orange	Feasibility Study	Special Events	No
Placentia	On-Demand and Special Events	Pilot and Special Events	Yes
San Clemente	Trolley Service	Seasonal/Year-Round Expansion	No
San Juan Capistrano	Summer Trolley	Seasonal	No
Santa Ana	Downtown Trolley	Seasonal/Special Events	No
Tustin	Local Circulator	Year-Round	Yes
Yorba Linda	Senior Mobility Program	Senior Mobility Program Expansion from four to five days per week	No