

MOTION NO. M2014-07

**Purchase of Five 42-foot Double-Deck Buses**

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:	PHONE:
Operations Committee	03/06/14	Recommend to Board	Bonnie Todd, Executive Director of Operations	206-398-5367
Board	03/27/14	Final Action	<b>Dave Turissini, Bus Operations Manager</b>	206-398-5035

PROPOSED ACTION

Authorizes the chief executive officer to execute a contract with Alexander Dennis to manufacture and deliver five 42-foot double deck diesel buses in the amount of \$4,860,394, with a 5% contingency of \$243,020, for a total authorized contract amount not to exceed \$5,103,414.

KEY FEATURES SUMMARY

- This action authorizes the purchase of five 42-foot double deck clean diesel 77-passenger seat high-capacity buses to be operated by Community Transit.
- Community Transit transferred to Sound Transit options from its existing contract with Alexander Dennis that it had planned to, but could not, use.
- One model year 2000 60-foot diesel bus and four model year 1999 60-foot diesel buses are being replaced because they have reached the end of their useful life. New buses will reduce engine emissions, lower operating and maintenance costs associated with operating high-mileage buses, and provide more passenger comfort including additional seating capacity.
- All five buses replace smaller capacity buses and will increase the net seating on each bus by 21 seats.
- Production of the buses would begin in January 2015 with delivery expected in early May 2015. Production won't begin until 2015 because Alexander Dennis is still setting up a U.S. manufacturing facility.

BACKGROUND

The ST Express Fleet Replacement Program funds necessary bus replacement for the ST Express Fleet. The Federal Transit Administration's guideline for bus replacement is 12 years or 500,000 miles. All of the buses to be replaced exceed 12 years and 500,000 miles. Decisions to replace buses are made in consultation with our operating partner agencies and based on bus performance, operating costs, fuel efficiency, age and mileage. Replacement of the first buses purchased for ST Express service, model year 1999, began in 2010. Bus replacement is outlined in Sound Transit's annual Service Implementation Plan, Appendix B Fleet Planning.

Double deck buses fit with Sound Transit's overall sustainability goals. Double deck buses are more fuel efficient on a per passenger basis than the 60-foot articulated buses that they are replacing.

The cost of the double deck buses consists of the base unit price, options that include security cameras, passenger reading lights, seat upgrades, new style farebox, pre-wiring for on-board mobile communication systems, and the sales tax. Contingency is included in the Board request for unexpected cost items.

Base Bus Unit Cost	\$820,596
Options	\$ 66,337
Sales tax	\$ 85,145
Total Bus Unit Cost	\$972,078

## FISCAL IMPACT

This action will be funded from the vehicle phase of the ST Express Bus Replacement project. The 2014 lifetime budget for the vehicle phase is \$170,008,904 and the YTD project expenses and commitments are \$86,731,866. Upon the Board's adoption of this action, the remaining budget would be \$78,173,624.

The budget table below illustrates the budget impact of this action.

### Project Budget

ST Express Bus Replacement	2014 TIP	Board Approvals	This Action	Board Approved Plus Action	Uncommitted/ (Shortfall)
Agency Administration	-	-	-	-	-
Preliminary Engineering	-	-	-	-	-
Final Design	-	-	-	-	-
3rd Party	-	-	-	-	-
Right of Way	-	-	-	-	-
Construction	-	-	-	-	-
Vehicles	170,009	86,732	5,103	91,835	78,174
Contingency	-	-	-	-	-
<b>Total Project Budget</b>	<b>\$ 170,009</b>	<b>\$ 86,732</b>	<b>\$ 5,103</b>	<b>\$ 91,835</b>	<b>\$ 78,174</b>

### Phase Detail

Vehicles	170,009	86,732	5,103	91,835	78,174
<b>Total Phase</b>	<b>\$ 170,009</b>	<b>\$ 86,732</b>	<b>\$ 5,103</b>	<b>\$ 91,835</b>	<b>\$ 78,174</b>

### Contract Detail

Vehicles	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Alexander Dennis corporation	-	-	4,860	4,860
Contingency	-	-	243	243
<b>Total Contract Amount</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ 5,103</b>	<b>\$ 5,103</b>
Percent Contingency	0%	0%	5%	5%

#### Notes:

Amounts are expressed in Year of Expenditure \$000.

Board Approvals = Committed to-date + Contingency, and includes pending Board Actions. A board action for purchasing 17 CNG buses is being concurrently submitted to the Board for approval.

Project budget is located on page 136 of the 2014 Proposed Transit Improvement Plan. The Board adopted the 2014 budget in December, 2013.

## SMALL BUSINESS PARTICIPATION

As a transit bus manufacturer, Alexander Dennis must submit its own Disadvantaged Business Enterprise (DBE) program and goal to the Federal Transit Administration, and according to FTA's transit bus procurement rules, transit bus manufacturers must certify to transit agencies that they

have a DBE program in place. Alexander Dennis has certified that they have a DBE program and complied with FTA rules for participation in this procurement.

#### EQUAL EMPLOYMENT WORKFORCE PROFILE

220 employees; 4% women; 19% minorities.

#### PUBLIC INVOLVEMENT

Not applicable to this action.

#### TIME CONSTRAINTS

A one-month delay would not create a significant impact to the bus replacement schedule.

#### ENVIRONMENTAL REVIEW

JI 1/29/2014

#### LEGAL REVIEW

JW 1/31/2014

## **MOTION NO. M2014-07**

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a contract with Alexander Dennis to manufacture and deliver five 42-foot double deck diesel buses in the amount of \$4,860,394, with a 5% contingency of \$243,020, for a total authorized contract amount not to exceed \$5,103,414.

### **BACKGROUND:**

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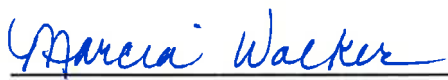
**MOTION:**

It is hereby moved by the Board of the Central Puget Sound Regional Transit Authority that the chief executive officer is authorized to execute a contract with Alexander Dennis to manufacture and deliver five 42-foot double deck diesel buses in the amount of \$4,860,394, with a 5% contingency of \$243,020, for a total authorized contract amount not to exceed \$5,103,414.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on March 27, 2014.

  
Dow Constantine  
Board Chair

ATTEST:

  
Marcia Walker  
Board Administrator