

**MOTION NO. M2018-98****Master Service Agreement with Seattle City Light**

MEETING:	DATE:	TYPE OF ACTION:	STAFF CONTACT:
Capital Committee	08/17/2018	Cancelled	Ron Lewis, DECM Acting Executive Director
Board	08/23/2018	Final Action	<b>Craig DeLalla, Deputy Director Systems Engineering</b>

**PROPOSED ACTION**

Authorizes the chief executive officer to execute a Master Service Agreement with Seattle City Light to perform system improvements to support the ST2 Link light rail capital expansion projects in the amount of \$3,117,775, with a contingency of \$193,903, for a total authorized agreement amount not to exceed \$3,311,678.

**KEY FEATURES SUMMARY**

- This Master Service Agreement (MSA) with Seattle City Light (SCL):
  - Has been anticipated since the start of ST2 and enables Sound Transit to operate at service levels reflected in the light rail Operating Plan.
  - Establishes a common understanding of the Sound Transit and SCL system designs, capabilities, and operating scenarios.
  - Establishes the ST2 capital project expansion schedule and the timeframes when electrical services are required. This includes Northgate Link, Lynnwood Link, University Link, and East Link which are within or partially within the SCL service area.
- The agreement details the amperage values that are needed for each Sound Transit light rail station/TPSS facility. Sound Transit will pay an amp fee for electrical services at the time of the electrical service application. The amp fee for electrical services covered by this agreement is estimated at \$1,178,748.
- The agreement also includes system upgrades for three instances where Sound Transit's demands and reliability requirements exceed existing capabilities. SCL will design and install the system modifications to the SCL electrical facilities in support of the ST2 projects as described within the MSA. The expenditure amount is estimated to be \$1,939,027 and a 10% contingency of \$193,903 is included in the agreement for this work. Sound Transit is reimbursing SCL based on actual labor and material costs.

**BACKGROUND**

Starting in 2015, Sound Transit initiated discussions with SCL regarding the ST2 light rail system electrical demands and the specifics regarding the Link light rail tunnels and the traction power designs. These discussions culminated in an SCL report entitled "Facilities Study for Light Rail Stations" that itemizes the most cost effective SCL system improvements that are necessary to support the demand anticipated by Sound Transit's ST2 projects. The report delineates between the electrical demands SCL will experience due to the region's load growth and the additional demands for the Link light rail expansion projects. The analysis also includes the decreased headways and increased vehicle loads of the light rail systems currently in operation.

Sound Transit used internal engineering supplemented with outside consultants with the expertise and understanding of utility providers to participate and review the SCL proposals. The costs herein are for the SCL systems upgrades necessary to provide Sound Transit with highly reliable traction electrification and tunnel facility systems. These costs do not include local SCL distribution or hook-up costs, which are budgeted through the Construction Service Agreements with SCL.

## PROJECT STATUS

Project Identification	Alternatives Identification	Conceptual Engineering/ Draft EIS	Preliminary Engineering/ Final EIS	Final Design	Construction
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Northgate Link Extension Projected completion date for Construction: Q4 2020  
Project scope, schedule and budget summary located on page 9 of the May 2018 Link Light Rail Program Progress Report.

Lynnwood Link Extension Projected completion date for Construction: Q4 2023  
Project scope, schedule and budget summary located on page 33 of the May 2018 Link Light Rail Program Progress Report.

East Link Extension Projected completion date for Construction: Q1 2022  
Project scope, schedule and budget summary located on page 49 of the May 2018 Link Light Rail Program Progress Report.

## FISCAL INFORMATION

The proposed Master Service Agreement with Seattle City Light for \$3,311,678 will perform electrical services and the traction power system support for the Northgate Link Extension, Lynnwood Link Extension, University Link Extension, and East Link Extension projects as follows:

- Northgate Link Extension (Civil Construction-Work by City of Seattle) for an amount not to exceed \$523,888 without contingency; and
- Lynnwood Link Extension (Civil Construction-Work by Others – Utilities) for an amount not to exceed \$392,916 without contingency; and
- University Link Extension (Civil Construction-Work by City of Seattle) for an amount not to exceed \$63,641 (\$57,855 plus \$5,786 contingency); and
- East Link Extension (Civil Construction-Work by Others- Miscellaneous) for an amount not to exceed \$2,331,233 (\$2,143,116 plus \$188,117 contingency).

### Northgate Link Extension

The baseline budget for the Northgate Link Extension is \$1,899,755,500. Within the construction phase, \$8,265,000 has been allocated to the budget line item for Civil Construction-Work by City of Seattle. The proposed action would increase commitments for this line item by \$523,888 to a revised total commitment of \$7,602,153 and leave a remaining budget balance of \$662,847.

### Lynnwood Link Extension

The baseline budget for the Lynnwood Link Extension is \$2,771,622,000. Within the construction phase, \$20,000,000 has been allocated to the budget line item for Civil Construction-Work by

Others - Utilities. The proposed action would increase commitments for this line item by \$392,916 to a revised total commitment of \$9,426,846 and leave a remaining budget balance of 10,573,154.

University Link Extension

The baseline budget for the University Link Extension is \$1,756,007,000. Within the construction phase, \$5,500,000 has been allocated to the budget line item for Civil Construction-Work by City of Seattle. The proposed action would increase commitments for this line item by \$63,641 to a revised total commitment of \$3,973,980 and leave a remaining budget balance of \$1,526,020.

East Link Extension

The baseline budget for the East Link Extension is \$3,677,150,000. Within the construction phase, \$3,929,000 has been allocated to the budget line item for Civil Construction-Work by Others-Miscellaneous. The proposed action would increase commitments for this line item by \$2,331,233 to a revised total commitment of \$2,426,793 and leave a remaining budget balance of \$1,502,207.

This action is within the baseline budgets for the above projects, and sufficient monies remain after approval of this action to fund the remaining work in the construction services phase of each project.

**Master Service Agreement for electrical systems improvements services**  
(in thousands)

Agreement Detail Seattle City Light (SCL)	Board Approvals to Date	Current Approved Contract Status	Proposed Action	Proposed Total for Board Approval
Contract Amount	\$	\$	\$3,118	\$3,118
Contingency			194	194
<b>Total Contract</b>	<b>\$</b>	<b>\$</b>	<b>\$3,312</b>	<b>\$3,312</b>
Percent Contingency	0%	0%	6%	6%

**Northgate Link Extension**

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$144,879	\$60,135	\$	\$60,135	\$84,744
Preliminary Engineering	15,077	15,077		15,077	
Final Design	132,167	121,697		121,697	10,470
Right of Way	112,300	100,363		100,363	11,937
Construction	1,343,023	1,263,962	524	1,264,486	78,536
Construction Services	118,310	105,365		105,365	12,945
Third Party Agreements	11,800	9,994		9,994	1,806
Vehicles					
Contingency	22,200				22,200
<b>Total Current Budget</b>	<b>\$1,899,756</b>	<b>\$1,676,593</b>	<b>\$524</b>	<b>\$1,677,117</b>	<b>\$222,638</b>
<b>Phase Detail - Construction</b>					
Civil Construction-Work by City of Seattle	\$8,265	\$7,078	\$524	\$7,602	\$663
Other Construction	1,334,758	1,256,884		1,256,884	77,874
<b>Total Phase</b>	<b>\$1,343,023</b>	<b>\$1,263,962</b>	<b>\$524</b>	<b>\$1,264,486</b>	<b>\$78,536</b>

**Lynnwood Link Extension**

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$98,164	\$23,732	\$	\$23,732	\$74,432
Preliminary Engineering	39,054	39,053		39,053	1
Final Design	164,162	84,861		84,861	79,301
Right of Way	235,660	102,587		102,587	133,073
Construction	1,921,391	12,806	393	13,199	1,908,192
Construction Services	128,429	21,518		21,518	106,911
Third Party Agreements	14,600	9,184		9,184	5,416
Contingency	170,162				170,162
<b>Total Current Budget</b>	<b>\$2,771,622</b>	<b>\$293,740</b>	<b>\$393</b>	<b>\$294,133</b>	<b>\$2,477,489</b>
<b>Phase Detail - Construction</b>					
Civil Construction-Work by Others - Utilities	\$20,000	\$9,034	\$393	\$9,427	\$10,573
Other Construction	1,901,391	3,772		3,772	1,897,619
<b>Total Phase</b>	<b>\$1,921,391</b>	<b>\$12,806</b>	<b>\$393</b>	<b>\$13,199</b>	<b>\$1,908,192</b>

**University Link Extension**

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$113,554	\$83,020	\$	\$83,020	\$30,534
Preliminary Engineering	24,261	24,261		24,261	
Final Design	90,308	88,352		88,352	1,956
Right of Way	152,332	126,428		126,428	25,904
Construction	1,158,183	998,040	64	998,104	160,079
Construction Services	94,814	86,885		86,885	7,929
Third Party Agreements	18,646	11,984		11,984	6,662
Vehicles	103,909	99,207		99,207	4,702
<b>Total Current Budget</b>	<b>\$1,756,007</b>	<b>\$1,518,177</b>	<b>\$64</b>	<b>\$1,518,240</b>	<b>\$237,767</b>
<b>Phase Detail - Construction</b>					
Civil Construction-Work by City of Seattle	\$5,500	\$3,910	\$64	\$3,974	\$1,526
Other Construction	1,152,683	994,130		994,130	158,553
<b>Total Phase</b>	<b>\$1,158,183</b>	<b>\$998,040</b>	<b>\$64</b>	<b>\$998,104</b>	<b>\$160,079</b>

**East Link Extension**

Project Phase	Baseline Budget	Board Approvals	This Action	Board Approved Plus Action	Uncommitted / (Shortfall)
Agency Administration	\$186,200	\$71,383	\$	\$71,383	\$114,817
Preliminary Engineering	55,900	54,839		54,839	1,061
Final Design	283,000	252,995		252,995	30,005
Right of Way	298,150	266,326		266,326	31,824
Construction	2,544,300	2,286,035	2,331	2,288,366	255,934
Construction Services	257,450	215,647		215,647	41,803
Third Party Agreements	52,150	39,502		39,502	12,648
Vehicles					
<b>Total Current Budget</b>	<b>\$3,677,150</b>	<b>\$3,186,727</b>	<b>\$2,331</b>	<b>\$3,189,058</b>	<b>\$488,092</b>
<b>Phase Detail - Construction</b>					
Civil Construction-Work by Others- Miscellaneous	\$3,929	\$96	\$2,331	\$2,427	\$1,502
Other Construction	2,540,371	2,285,939		2,285,939	254,432
<b>Total Phase</b>	<b>\$2,544,300</b>	<b>\$2,286,035</b>	<b>\$2,331</b>	<b>\$2,288,366</b>	<b>\$255,934</b>

**Notes:**

Amounts are expressed in Year of Expenditure.

Board Approvals = Committed To-Date + Contingency as of June 2018 and includes pending Board actions.

For detailed project information, see the Adopted 2018 Transit Improvement Plan: Northgate Link Extension, page 22, Lynnwood Link Extension, page 23, University Link Extension, page 25, and East Link Extension, page 28.

**SMALL BUSINESS/DBE PARTICIPATION AND APPRENTICESHIP UTILIZATION**

Not applicable to this action.

**PUBLIC INVOLVEMENT**

Not applicable to this action.

**TIME CONSTRAINTS**

The SCL system modifications are required to be complete in time for Northgate Link light rail testing commencing second quarter of 2020.

**PRIOR BOARD/COMMITTEE ACTIONS**

Not applicable to this action.

**ENVIRONMENTAL REVIEW**

KH 8/1/18

**LEGAL REVIEW**

AJP 8/10/18

**MOTION NO. M2018-98**

A motion of the Board of the Central Puget Sound Regional Transit Authority authorizing the chief executive officer to execute a Master Service Agreement with Seattle City Light to perform system improvements to support the ST2 Link light rail capital expansion projects in the amount of \$3,117,775, with a contingency of \$193,903, for a total authorized agreement amount not to exceed \$3,311,678.

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Sound Transit used internal engineering supplemented with outside consultants with the expertise and understanding of utility providers to participate and review the SCL proposals. The costs herein are for the SCL systems upgrades necessary to provide Sound Transit with highly reliable traction electrification and tunnel facility systems. These costs do not include local SCL distribution or hook-up costs, which are budgeted through the Construction Service Agreements with SCL.

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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 Master Service Agreement with Seattle City Light to perform system improvements to support the ST2 Link light rail capital expansion projects in the amount of \$3,117,775, with a contingency of \$193,903, for a total authorized agreement amount not to exceed \$3,311,678.

APPROVED by the Board of the Central Puget Sound Regional Transit Authority at a regular meeting thereof held on August 23, 2018.

  
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John Marchione  
Board Vice Chair

ATTEST:

  
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Kathryn Flores  
Board Administrator