

EVERETT CITY COUNCIL AGENDA ITEM COVER SHEET

PROJECT TITLE:

Participation Agreement with
Snohomish County Public
Utility District No. 1 to accept
a \$51,817 energy efficiency
incentive rebate

_____ Briefing
_____ Proposed Action
_____ Consent
_____ Action
_____ First Reading
_____ Second Reading
_____ Third Reading
_____ Public Hearing
_____ Budget Advisory

COUNCIL BILL # _____
Originating Department Public Works
Contact Person Ryan Sass
Phone Number 425-257-8942
FOR AGENDA OF December 28, 2016

Initialed by:
Department Head _____
CAA _____
Council President db
Am

<u>Location</u>	<u>Preceding Action</u>	<u>Attachments</u>	<u>Department(s) Approval</u>
	PUD Work Authorization 8/12/15	Proposed Agreement	Public Works

Amount Budgeted	\$ 2,155,720	
Expenditure Required	-0-	Account Number(s): PW 3634
Budget Remaining	-0-	
Additional Required	-0-	

DETAILED SUMMARY STATEMENT:

This Participation Agreement will allow the City to receive a \$51,817 energy efficiency incentive rebate for converting the City's streetlight infrastructure to high-efficiency light emitting diode (LED) lighting.

On May 20, 2015, City Council authorized the Mayor to sign Interagency Agreements with the Washington State Department of Enterprise Services to enroll in an energy efficiency program to convert 2,300 of the City's streetlights to LED lighting. Then on July 22, 2015, Council authorized the Mayor to sign an Interagency Agreement with the Washington State Department of Commerce to accept a \$500,000 energy efficiency grant to provide partial funding of the conversion program, currently estimated to be \$2,155,720.

In addition to this \$51,817, the City has already received \$325,012 from Snohomish County Public Utility District No. 1 (PUD) in energy rebates. Current funding sources are:

Dept. of Commerce Grant	\$ 500,000
PUD rebates received	325,012
This Agreement	51,817
Local Funds (Loan Proceeds)	<u>1,278,891</u>
	\$ 2,155,720

RECOMMENDATION (Exact action requested of Council):

Authorize the Mayor to sign the Participating Agreement with Snohomish County Public Utility District No. 1 to accept a \$51,817 energy efficiency incentive rebate.



Participation Agreement

For Energy Efficiency Projects in Commercial & Industrial Facilities

PUD Project ID: L4866A
PUD File ID: 0535
PUD Staff: Allison Grinczel

Using energy wisely is an easy way to reduce your operating expenses.

Facility & Project Information

Project Name	Facility Name	Facility Address
City of Everett - Street Lights, Phase II	City of Everett	3200 Cedar St, Everett, WA 98201

Energy Efficiency Project(s)	Est. Annual Energy Savings	Project Cost	Cost Type	PUD Incentive
Lighting Retrofit Project*	220,952 kWh/Yr	\$643,940.00	Total	\$51,817.00

* Please see attached Worksheets for Details

Important Dates

Complete/Sign This Form By:
~~11/18/16~~
~~12-23-16~~
Work Must Be Completed By:
02/28/17
Agreement Expires On:
03/31/17

Project Verification

Snohomish PUD will verify the scope of this project has been installed as Authorized. (On-site progress and/or post installation verification may be required)

APPROVED
By ST at 12:34 pm, Nov 15, 2016

PUD Approval

Project Payment (PLEASE select one option below. If funds are assigned to an Alternate Payee, Customer must Initial below)

Customer Receives PUD Rebate / Incentive Funding

City of Everett
Customer's Business Name (Must Match W-9)

Mailing Address for Incentive Funding
(if different than W-9 address)

Street Address
City State Zip Code

Customer Assigns PUD Rebate / Incentive Funding
(payment made to Alternate Payee - Contractor, Vendor, etc.)

Alt. Payee's Business Name (Must Match W-9)

OR

Assignment of Funds Agreement (if applicable)

Public Utility District No. 1 of Snohomish County ("PUD") is hereby authorized to pay the Alternate Payee, in the name of the Assignor (PUD Customer, Facility Owner, Owner's Rep.), the incentive payment due the Assignor for the project at the Facility identified above. I understand the Business Names entered must be identical to the information on the W-9 forms. I understand that I will be responsible to pay any additional balance due directly to the Alternate Payee. I understand that initialing this Assignment of Funds Agreement is entirely optional and will not affect my ability to participate in PUD Energy Efficiency Programs.

Customer Initial

Terms & Conditions

The Participant ("Customer") hereby applies for incentive payment from Public Utility District No. 1 of Snohomish County ("PUD") under its Commercial and Industrial Energy Efficiency Programs. Incentive payment will be made when the project satisfies the PUD's requirements. PUD reserves the right to change and/or terminate the program at any time.

The Customer:

- Certifies that project documentation used in developing this project accurately reflects existing conditions and project scope.
- Understands that projected energy and cost savings are estimates.
- Understands that the incentive payment will not exceed 100% of the actual total project cost.
- Will seek PUD approval prior to changes that may affect the savings and incentive amount. Any changes to incentive amounts are subject to available funding.
- Assumes full responsibility for equipment selection and installation, project management and payment of contractors and/or suppliers.
- Assumes full responsibility for the equipment to be disposed of and installed in accordance with all applicable federal, state and local laws, building codes and permitting requirements.
- Is responsible for payment of any federal, state or local taxes and any tax liability associated with Customer's receipt of PUD's incentive payment.
- Understands that the PUD will not be responsible for any income tax that may be imposed on the Customer as a result of the receipt of incentive payments.
- Agrees to provide all information required by PUD to evaluate and verify whether project complies with and meets PUD incentive payment requirements.
- Understands that the PUD may, during reasonable hours, verify the project at the site identified on this agreement before, during and/or after the installation of equipment for the sole purpose of verifying compliance with the performance obligations required by the PUD's Programs. The limited scope and purpose of any PUD verification is not intended to discover or report any defects, code violations or hazards of any kind. For that reason, the Customer should carefully inspect the performance of any equipment supplier and any contractor and/or request inspection by appropriate governmental agencies.
- Agrees to defend, indemnify and hold harmless PUD and its officials, officers, employees and agents from and against any and all losses, liabilities, damages, costs, expenses (including attorney's fees and expenses), claims, or judgments (individually and collectively referred to as "Claims") arising out of or in connection with Customer's participation in this program, but nothing herein shall require Participant to indemnify PUD for that portion of any such Claims attributable to the negligent acts or omissions of PUD and its officials, officers, employees and agents.

By signing below, I certify that I have read, understand, and agree to the terms and conditions above.

Authorized Signature _____ Date _____ Print Name _____ Title _____



Lighting Input Form

For Energy Efficiency Projects in Commercial & Industrial Facilities

Using energy wisely is an easy way to reduce your operating expenses.

Date: 10/17/16

PUD Project ID: L4866A

PUD File ID: 0535

PUD Staff: Allison Grinczel

Form Completed By: Allison Grinczel

APPROVED
By ST at 12:24 pm, Nov 15, 2016

City of Everett

3200 Cedar St, Everett, WA 98201

Facility Type: Other

Facility Sq Ft: n/a

Light Fixture Input

Line #	Location (Area/Room)	Heat Source	Hrs/Yr	Exist:	Lighting Technology	Fixture Type	# of Fixtures	# of Lamps / Fixture	Lamp Wattage	Ballast Type	Watts / Fixture	Description / Notes (ID, Fixture, Ballast, Lamp Model #)	Product Listed?	Retrofit Type	Rebate / (Fixt.) or (Lamp)	Maximum Rebate Amount
1	200 Cobras	None	4,380	Exist:	High Pressure Sodium	Pole	16	1	200W	Mag	245.0	Leotek GC1-40F-MV-NW-3	DLC	NF	\$175/ea (Fixt.)	\$2,800
				Prop:	LED Fixt / Kit	Pole	16			93.0						
2	250 Cobras	None	4,380	Exist:	High Pressure Sodium	Pole	32	1	250W	Mag	295.0	Leotek GC1-60F-MV-NW-3	DLC	NF	\$175/ea (Fixt.)	\$5,600
				Prop:	LED Fixt / Kit	Pole	32			103.0						
3	400 Cobras	None	4,380	Exist:	High Pressure Sodium	Pole	26	1	400W	Mag	457.0	Leotek GC1-80F-MV-NW-3	DLC	NF	\$275/ea (Fixt.)	\$7,150
				Prop:	LED Fixt / Kit	Pole	26			182.0						
4	G1A,B Decorative Cyclone	None	4,380	Exist:	High Pressure Sodium	Other	300	1	100W	Mag	120.0	Cylone# CG21T4-AGAF-SKY-3-50W 4K	LDL	NF	\$75/ea (Fixt.)	\$22,500
				Prop:	LED Fixt / Kit	Other	300			58.2						
5	G3 Decorative Cyclone	None	4,380	Exist:	High Pressure Sodium	Other	56	1	100W	Mag	120.0	Cylone# CG21T4-AGAF-SKY-3-50W 4K	LDL	NF	\$75/ea (Fixt.)	\$4,200
				Prop:	LED Fixt / Kit	Other	56			58.2						
6	Wallpacks	None	4,380	Exist:	High Pressure Sodium	Wall Pack	61	1	100W	Mag	120.0	IPL WPCS-40WLED	DLC	NF	\$75/ea (Fixt.)	\$4,575
				Prop:	LED Fixt / Kit	Wall Pack	61			42.4						
7	Canopy	None	4,380	Exist:	High Pressure Sodium	Other	104	1	100W	Mag	120.0	Canopy Satco S9393	LDL	L-HID	\$48/ea (Fixt.)	\$4,992
				Prop:	LED Lamp	Other	104	1	43.2W	43.2						
Total:															\$51,817	

Lighting Controls Input

Line #	(From Table Above)	Fixture Input Line #	Control Type	% Hours Reduced	# of Fixtures Controlled	# of Fixtures Remaining (Non-Controlled)	Wattage Controlled / Fixture	Description / Notes (Other Control Type, Explanation of % Reduction)	Controls Rebate / Fixture	Controls Rebate Amount
A	Fixture Input Line# →									
B	Fixture Input Line# →									
Total:										

Cost Information:						
Fixture Material Cost	Labor Cost	Misc. Cost (permit, etc.)	Subtotal	Tax Rate	Total Material Cost	or Total Bid Cost (incl. sales tax)
			-		-	\$643,940.00

Notes:

updated 11/15/16

Version 1.3 - Effective Date Feb. 19th, 2016

APPROVED
By ST at 12:34 pm, Nov 15, 2016



Date: 10/17/16

Lighting Retrofit Summary

For Energy Efficiency Projects in Commercial & Industrial Facilities

PUD Project ID: L4866A

PUD File ID: 0535

PUD Staff: Allison Grinczel

Form Completed By: Allison Grinczel

Using energy wisely is an easy way to reduce your operating expenses.

City of Everett

3200 Cedar St, Everett, WA 98201

Facility Type: Other

Facility Sq Ft: n/a

Estimated Electrical Energy Use & Proposed Savings

Existing Energy Use:	384,398 kWh/Yr
Savings from Lighting Retrofit:	220,952 kWh/Yr
Savings from Lighting Controls Upgrade:	
Total Electrical Energy Savings:	220,952 kWh/Yr
Proposed Energy Use:	163,445 kWh/Yr
% Savings:	57%
Electrical Demand / Load Reduction:	50.45 kW

Project Cost & Rebate

Total Bid Cost:	\$643,940.00
Cost Type:	Total
Bid Cost Averaged per Fixture:	\$1,082.25
Lighting Retrofit Rebate Amount:	\$51,817.00
Lighting Controls Upgrade Rebate Amount:	
Project Rebate Amount:	\$51,817.00
Rebate as a % of Total Bid Cost:	8%
Average Rebate Amount per Fixture:	\$87.09
Rebate Amount per kWh	\$0.23 / kWh

Customer's Project Economic Analysis

Cost per kWh (Elec. Demand):	\$0.04 / kWh (\$0.00 / kW)
Est. Annual Electrical Cost Savings:	\$8,838
Customer's Net Cost:	\$592,123
Simple Payback (w/out Rebate):	72.9 Years
Return on Investment (ROI) (w/out Rebate):	1%
Simple Payback (w/ Rebate):	67.0 Years
Return on Investment (ROI) (w/ Rebate):	1%

Project Lighting Controls Summary Table

	# of Fixtures Controlled	kW Load Controlled	kWh/Yr. Savings	Max Rebate Amount
Lighting Controls				
All Controlled Wattage Ranges				
Total				

Project Retrofit Summary Table

	# of Exst. Fixtures	# of Prop. Fixtures	kW Reduction	kWh/Yr. Savings	Max Rebate Amount
E. HID Lighting					
100W HPS → (1L) 43.2W LED Lamp	104	104	8.0	34,984	\$4,992
100W HPS → 42.43W LED Fixt / Kit	61	61	4.7	20,725	\$4,575
100W HPS → 58.2W LED Fixt / Kit	356	356	22.0	96,364	\$26,700
200W HPS → 93W LED Fixt / Kit	16	16	2.4	10,652	\$2,800
250W HPS → 103W LED Fixt / Kit	32	32	6.1	26,911	\$5,600
400W HPS → 182W LED Fixt / Kit	26	26	7.2	31,317	\$7,150
Total	595	595	50.4	220,952	\$51,817

APPROVED
By ST at 12:34 pm, Nov 15, 2016