BOARD OF YAKIMA COUNTY COMMISSIONERS

IN THE MATTER OF AWARDING BID NO. C11801	)	
FOR LED LIGHTING UP GRADE FOR	)	**RESOLUTION 72-2018**
YAKIMA COUNTY JAIL & ANNEX	)	
C/O FACILITIES TO PLATT ELECTRIC	)	

WHEREAS, Bids for LED Lighting Upgrade Project were received by 11:00 a.m., January 19, 2018 electronically through PublicPurchase.com, Yakima City/County Purchasing's electronic bidding system from:

1. MH Electric, Inc.
2. Platt Electric Supply

WHEREAS, the bids were evaluated by the Purchasing Division and Pacific Power and Light – Wattsmart® Program; and,

WHEREAS, it was determined by Pacific Power and Light – Wattsmart® Program that Platt Electric Supply provided the Bid with the lowest net cost to the County after Incentive; and,

WHEREAS, the bids were taken under consideration by the Buyer and deemed to be responsive and responsible and it is recommended that the County proceed with award to Platt Electric Supply; and,

WHEREAS, the Purchasing Manager recommends that the award be made to Platt Electric Supply; now, therefore,

BE IT HEREBY RESOLVED by the Board of Yakima County Commissioners that Bid No. C11801, LED Lighting Upgrade Project be acceptable, according to specifications, and is awarded to Platt Electric Supply.

DONE this 20th day of February 2018

Ron Anderson, Chairman

Excused

Michael D. Leita, Commissioner

J. Rand Elliott, Commissioner

Constituting the Board of County Commissioners for Yakima County, Washington

Attest: Linda Kay O'Hara
Deputy Clerk of the Board

MH Electric Summary

PACIFIC POWER

Let's turn the answers on.

Washington
wattsmart® Business
07/11/16 Effective Date

V 071116.2

Viewing The Preliminary Stage

Project ID	
Lighting Coordinator	Becky Berg
Lighting Tool Prepared by	Walt Wenda

Customer Information

Project	C11801-LED Lighting Upgrade for Yakima County Main Jail & Annex
Company	Yakima County Facilities
Customer Contact	Maria Mayhue

Total Savings — ◉ Stipulated Wattage ○ Actual Wattage

		kWh/Year	Avg kW/Month	$ Savings/Year
Stipulated Wattage	Lighting	506,005	65.10	$33,190.73
	Control	0	0.00	$0.00
	Total	506,005	65.10	$33,190.73

Project Costs

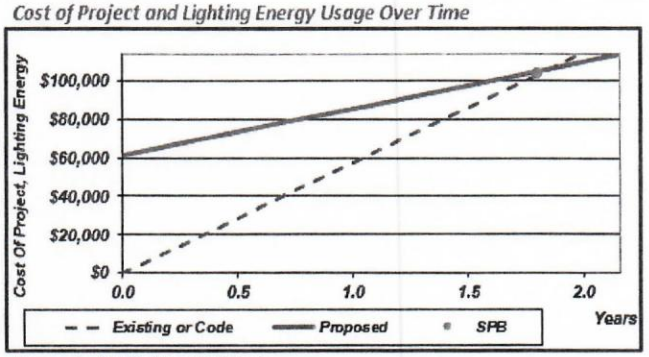
Total Cost	$113,271.00	Lighting	$51,906.03
Total Incentive	$51,906.03	Controls	$0.00
46% Of Cost Paid By Incentive		Incentive	$51,906.03
Net Project Cost	$61,365	Full Incentive	

Project Detail

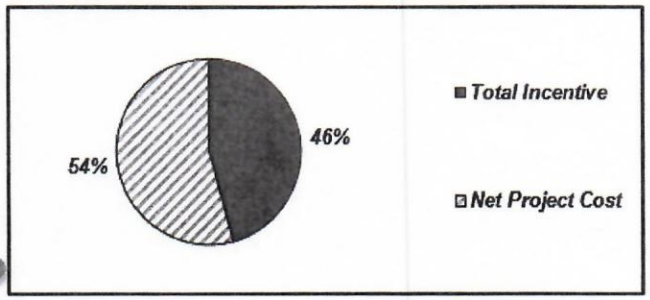
17% Better Than Code LPD (w/ft²)			16% Better Than Code Operation Cost/Yr		
Existing	Code	Proposed	Existing	Code	Proposed
1.23	0.65	0.54	$57,239	$28,643	$24,049

Simple Payback (Without Incentive)	3.4 Yrs	Simple Rate Of Return (Without Incentive)	29%
Simple Payback (With Incentive)	1.8 Yrs	Simple Rate Of Return (With Incentive)	54%

Cost of Project and Lighting Energy Usage Over Time



Percent of Initial Project Cost



The incentive and energy savings above are estimates only. This tool is designed to calculate savings and incentives for wattsmart Buisness lighting projects.
For wattsmart Buisness Lighting projects, lighting incentives are capped at 70% of eligible energy efficiency project costs, and the minimum simple payback (with incentive) for the project is one year. If needed, incentives will be decreased to reflect a one-year payback. The simple payback with incentive is the net project cost divided by the annual electric cost savings (dollar savings). For wattsmart Small Business Lighting projects, lighting retrofit incentives are capped at 80%.

Stipulated vs. Actual wattage – This tool has two calculation methods to distinguish between actual and stipulated wattages. There will only be a difference between actual and stipulated if the existing fixtures are impacted by efficacy standards (e.g. general service fluorescent and incandescent). Results from either calculation can be viewed by selecting "Stipulated wattage" or "Actual wattage." Incentive calculations and 1-year simple payback cap are always based on stipulated wattage.

To receive an incentive you MUST sign an Incentive Offer before purchasing equipment.

Platt Electric Summary

PACIFIC POWER

Let's turn the answers on.

Washington
wattsmart® Business
07/11/16 Effective Date

V 071116.3

Viewing The Preliminary Stage

Project ID	
Lighting Coordinator	
Lighting Tool Prepared by	Jeremy Sandino

Customer Information

Project	Yakima Cnty Jail Revised Final
Company	Yakima Cnty Jail
Customer Contact	Brian Griff

Total Savings — ◉ Stipulated Wattage ○ Actual Wattage

		kWh/Year	Avg kW/Month	$ Savings/Year
Stipulated Wattage	Lighting	567,277	74.90	$41,480.24
	Control	3,535	0.00	$232.50
	Total	570,812	74.90	$41,712.74

Project Costs

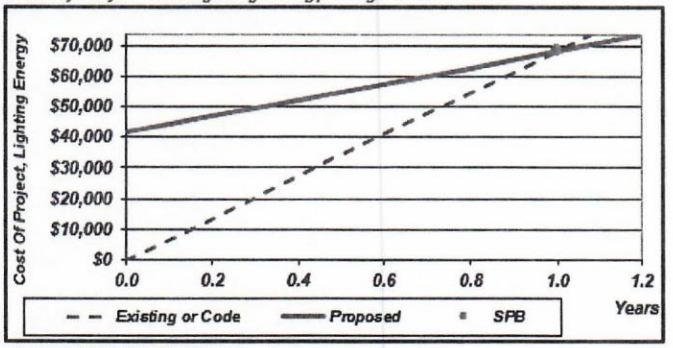
Total Cost	$99,981.61	Lighting	$67,387.35
Total Incentive	$58,268.87	Controls	$697.20
58% Of Cost Paid By Incentive		Incentive	$58,268.87
Net Project Cost	$41,713	Capped Incentive	

Project Detail

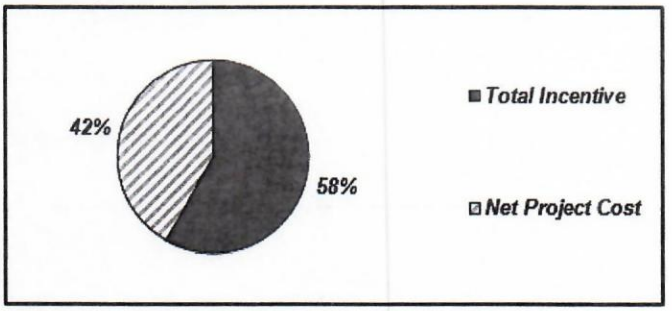
21% Better Than Code LPD (w/ft²)			21% Better Than Code Operation Cost/Yr		
Existing	Code	Proposed	Existing	Code	Proposed
1.37	0.70	0.56	$67,944	$33,178	$26,231

Simple Payback (Without Incentive)	2.4 Yrs	Simple Rate Of Return (Without Incentive)	42%
Simple Payback (With Incentive)	1.0 Yrs	Simple Rate Of Return (With Incentive)	100%

Cost of Project and Lighting Energy Usage Over Time



Percent of Initial Project Cost



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Bid Comparison by PP&L Wattsmart® Business Program Coordinator

Please find attached our comparison of the two proposal for the Yakima County Jail project. Because MH Electric was not using the same lighting tool it made it challenging to compare but I think in the end the two are fairly close. MH Electric actually has more lamps, we would have to go with the fixture count from the Platt lighting tool because it set what our scope will be and it has been inspected.

The attached MH Electric tool has been updated to match the Platt by doing the following

- MH Electric had every lamp on 24/7
- Adjusted exterior lighting to 12 hours a day
- Adjusted approx. 600 - FLT8-32W x 2L x 4'-IS N to 12 hours a day
- Adjusted 178 - FLT8-32W x 2L x 4'-IS N to 8 hours a day 5 days a week
- 20W lamp selected is not eligible

If you decide to go with MH Electric we will need to do more work on the tool to make the existing fixtures apples to apples.

	MH Electric			Platt		
Total Cost	$ 113,271.00			$ 96,727.39		
		Adjusted for hours of Operation				
Total Incentive	$ 72,760.89	$ 51,906.03		$ 52,964.94		
Net Customer Cost	$ 61,364.97			$ 43,762.45		
Total Fixtures	2298			2138	160	
Fixtures by space		Night Lights	Exterior		Diff	
First Floor	349	35		314	572	258
Second Floor	337	63	8	266	291	25
Third Floor	356	59	4	293	325	32
Fourth Floor	539	155	8	376	337	-39
Basement	267	23		244	275	31
Exterior	29			29	24	-5
Annex - Upper	148	12		136	0	-136
Annex - Lower	302	36	9	257	0	-257
Bond rm, Tr Rm, Office				0	12	12
Ceiling Night lights		383			300	-83
	2327			1915	2136	-162
Existing						
FLT12HO-95W x 2L x 8'-MG	0				20	20
FLT8-15W x 1.5'-MG (ICMB-15W)	383				300	-83 night lights
FLT8-17W x 2L x 2'-IS N					6	6
FLT8-32W x 2L x 4'-IS N	1498				1417	-81
FLT8-32W x 3L x 4'-2 IS N	34				88	54
FLT8-32W x 4L x 4'-IS N	21				19	-2
FUT8-32W x 2L x 2'-IS N	4				12	8
HPS-250W	0				16	16
HPS-100W	22					-22
ICHMB-60W	279				102	-177
ICHMB-75W	0				137	137
ICHT-500W	0				1	1
MH-250W-CWA	36				5	-31
MH-400W-CWA					13	13
CUST: HPS-175W-CWA	21					-21
	2298				2136	

598 12 hrs
178 8 hrs 5 days a week

Recommendation of Award

Date: 2/9/18

To: Maria Mayhue, Buyer

From: Brian Griff

Subject: Recommendations of Award for Bid No: C11801

I recommend award for the following reasons:

Item #	Vendor	Item Description	Reason
All	Platt Electric	LED Lighting Upgrade at	Lowest net cost, higher
		County Jail and Annex	incentive, higher rate of
			return, shorter payback
			timeframe – Responsive Bid/
			Responsible Bidder

Division Manager/Date

Brian Griff 2/9/18
Department Manager/Date