

Sharon Simmons

From: Ted Goudeau <goudeaut@liveoakpl.org>
Sent: Monday, March 28, 2022 2:05 PM
To: Sharon Simmons
Subject: EXTERNAL:Effingham Library Projects
Attachments: Message from KM_C300i.eml

Sharon,

Attached below are the documents for the projects.

The Springfield Library which has a 50% fund match. (\$17,500 project/match \$8,750). The project cost for Springfield Library is: Total cost \$17,084.55 with an estimated rebate from Ga Power of \$1,462.00 bringing the project cost to \$15,622.55. This price is under the amount from the MRR match leaving a balance of \$938.72. I do believe we can use the remaining money on the Rincon project if we go with the fixture replacement.,

The Rincon Library has a 50% fund match of (\$14,000 project/match \$7,000) The project cost for Rincon Library Existing Fixture Retrofit total Cost is \$9,408.70 with an estimated rebate from Ga Power of \$1,074.00 bringing the cost to \$8,334.70. The matching MRR would be \$4,167.35 or we can do a Fixture Replacement for \$22,582.50 with an estimated rebate from Ga Power of \$3,171.00 bringing the total cost \$19,411.50. The matching MRR would be \$7,000 plus the remaining 938.72 from Springfield MRR bringing the total to \$7938.72 for a project cost of \$11,472.78

I need to know which project for Rincon you would like to proceed with

Ted Goudeau
Director, Facilities and Delivery

Live Oak Public Libraries
2002 Bull Street
Savannah, Ga. 31401
Office: (912) 652-3624
Cell: (912) 667-1667
goudeaut@liveoakpl.org

www.liveoakpl.org

**** This is an EXTERNAL email. Please do not click on a link or open ANY attachments unless you are confident it is from a trusted source and you are expecting this email. ****

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is by and between the Board of Regents of the University System of Georgia ("BOR") and the Board of Trustees of the LIVE OAK PUBLIC LIBRARIES (the "Trustees"). The BOR and the Trustees shall be jointly referred to as the "parties."

BACKGROUND

The Trustees operate the LIVE OAK PUBLIC LIBRARIES (the "Library Facility"). The Library Facility has recently developed a need for certain physical repairs to the facility. The Georgia Public Library Service, a unit of the BOR, in conjunction with its support of public libraries in the state of Georgia, is willing to provide funds for part of the repairs.

Therefore, in consideration of the promises below and, other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. Services. The Trustees shall undertake the task of upgrade of the Library Facilities' **MISCELLANEOUS REPAIRS** (the "Project"). Trustees may utilize third party contractors for certain phases of the Project. The BOR shall reimburse the Trustees for expenditures made in performance of the Project up to a total of **FORTY THREE THOUSAND TWO HUNDRED FIFTY DOLLARS (\$43,250.00)**. Any reimbursements made by the BOR to the Trustees under this MOU shall be contingent on the following: (i) No reimbursement will be made for services provided by third party contractors, unless the Trustees have entered into a written agreement with the third party governing the work that such party is to perform on the Project and a fully executed copy of that agreement is provided to the BOR by the Trustees; (ii) all expenditures for which reimbursement is sought must be evidenced by written documentation in a form satisfactory to the BOR and such expenditures must comply with state-approved procurement procedures; (iii) all reimbursement requests must first be submitted to the library director for the LIVE OAK PUBLIC LIBRARIES and approved by the Trustees; (iv) the Trustees shall submit all such approved reimbursement requests to the BOR to the attention of the BOR contact listed in Section 2 below; and (v) the Trustees must contribute a minimum of **FORTY THREE THOUSAND TWO HUNDRED FIFTY DOLLARS (\$43,250.00)** of Trustees' resources toward the Project. The final reimbursement payment will only be paid by the BOR after the Trustees provide the BOR with documentation satisfactory to the BOR evidencing such contribution. Under no circumstances shall the total of all payments under this MOU exceed **FORTY THREE THOUSAND TWO HUNDRED FIFTY DOLLARS (\$43,250.00)**; *(vi) upon fifty-percent (50%) completion of the project LIVE OAK PUBLIC LIBRARIES will submit a projected forecast of completion cost summary to BOR for review and readjustment of allotted funds, if necessary*.
2. Notices. All notices under this MOU shall be deemed duly given, upon delivery, if delivered by hand, or three days after posting, if sent by Registered or Certified Mail, to a party hereto at the address set forth below or to such other address as a party may designate by notice pursuant hereto.

BOR:

Nathan Rall
Director, Library Planning and Construction
Georgia Public Library Service
2872 Woodcock Blvd., Suite 250
Atlanta, GA 30341

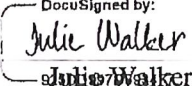
Trustees:

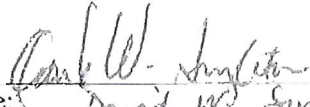
David Singleton, Director
LIVE OAK PUBLIC LIBRARIES
2002 Bull Street
Savannah, GA 31401

3. Term. The term of this MOU is from July 1, 2021 until June 30, 2022. This agreement may be renewed by mutual written consent of the parties.
4. Entire Agreement. This Agreement constitutes the entire agreement between the parties with respect to the subject matter; all prior agreements, representations, statements, negotiations, and undertakings, are superseded hereby.
5. Signature Authority. The Trustees agree to furnish documentation acceptable to the BOR indicating that the individual whose signature appears below is properly authorized to sign this Agreement on behalf of the Trustees.

Board of Regents of the University
System of Georgia

Board of Trustees of the LIVE OAK PUBLIC
LIBRARIES

By: 
Julie Walker
State Librarian

By:  7/12/21
Name: David W. Singleton
Title: Executive Director

Facility	County	System	Total Cost of	
			Project	State Contribution
2 Centerville Public Library	Houston	Houston County Public Library	\$ 28,000	\$ 14,000
3 Chickamauga Public Library	Walker	Cherokee Regional Library	\$ 50,000	\$ 25,000
4 Dade County Public Library	Dade	Cherokee Regional Library	\$ 20,000	\$ 10,000
5 Dade County Public Library	Dade	Cherokee Regional Library	\$ 10,000	\$ 5,000
6 Bull Street Library	Chatham	Live Oak Public Libraries	\$ 14,000	\$ 7,000
7 Rincon Public Library	Effingham	Live Oak Public Libraries	\$ 14,000	\$ 7,000
8 Brooks County Public Library	Brooks	Brooks County	\$ 25,000	\$ 12,500
9 Allen Statenville Library	Echols	South Georgia Regional Library	\$ 39,000	\$ 19,500
10 Salter Hahira Library	Lowndes	South Georgia Regional Library	\$ 28,000	\$ 14,000
11 Miller Lakeland Library	Lanier	South Georgia Regional Library	\$ 28,000	\$ 14,000
12 Johnstone Lakes Library	Lowndes	South Georgia Regional Library	\$ 33,000	\$ 16,500
13 Manchester Public Library	Meriwether	Pine Mountain Regional Library System	\$ 105,000	\$ 52,500
14 Eatonton-Putnam County Library	Putnam	Azalea Regional Library System	\$ 100,000	\$ 50,000
15 Jasper County Library	Jasper	Azalea Regional Library System	\$ 80,000	\$ 40,000
16 O'Kelly Memorial	Walton	Azalea Regional Library System	\$ 10,000	\$ 5,000
17 Riverdale Public Library	Clayton	Clayton County Library System	\$ 9,000	\$ 4,500
18 Wallace Branch Library	Richmond	Augusta Richmond County Library System	\$ 37,000	\$ 18,500
19 Riverdale Public Library	Clayton	Clayton County Library System	\$ 110,000	\$ 55,000
20 Riverdale Public Library	Clayton	Clayton County Library System	\$ 42,000	\$ 21,000
21 Mary Willis Library	Wilkes	Bartram Trail Regional Library System	\$ 150,000	\$ 75,000
22 Central Library	Clayton	Clayton County Library System	\$ 53,000	\$ 26,500
23 Seminole County Public Library	Seminole	Southwest Georgia Regional Library	\$ 65,000	\$ 32,500
24 Gilbert H. Gragg Library	Decatur	Southwest Georgia Regional Library	\$ 110,000	\$ 55,000
25 Cumming Public Library	Forsyth	Forsyth County Library	\$ 200,000	\$ 100,000
26 Tattnall County Library	Tattnall	Ohoopie Regional Library System	\$ 6,000	\$ 3,000
27 LaFayette-Walker County Public Library	Walker	Cherokee Regional Library	\$ 30,000	\$ 15,000
28 Port City Library	Chatham	Live Oak Public Libraries	\$ 27,500	\$ 13,750
29 Forest City Library	Chatham	Live Oak Public Libraries	\$ 27,500	\$ 13,750
30 Royston Branch Library	Franklin	Athens Regional Library System	\$ 24,000	\$ 12,000
31 Watkinsville Public Library	Oconee	Athens Regional Library System	\$ 50,000	\$ 25,000
32 Screven County Library	Screven	Screven-Jenkins Regional Library System	\$ 100,000	\$ 50,000
33 Springfield Public Library	Effingham	Live Oak Public Libraries	\$ 17,500	\$ 8,750
34 Woodstock Public Library	Cherokee	Sequoyah Regional Library System	\$ 220,000	\$ 110,000
35 Camden County Public Library	Camden	Three Rivers Regional Library System	\$ 99,000	\$ 49,500
36 North Columbus Public Library	Muscogee	Chattahoochee Valley Libraries	\$ 220,000	\$ 110,000
37 Riverdale Public Library	Clayton	Clayton County Library System	\$ 107,000	\$ 53,500
38 Morrow Public Library	Clayton	Clayton County Library System	\$ 106,000	\$ 53,000
39 Lovejoy Public Library	Clayton	Clayton County Library System	\$ 108,000	\$ 54,000
40 Cumming Public Library	Forsyth	Forsyth County Library	\$ 200,000	\$ 100,000
41 Watkinsville Public Library	Oconee	Athens Regional Library System	\$ 200,000	\$ 100,000
42 Screven County Library	Screven	Screven-Jenkins Regional Library System	\$ 100,000	\$ 50,000
43 Spout Springs	Hall	Hall County Library System	\$ 101,000	\$ 50,500
44 Murrayville Library	Hall	Hall County Library System	\$ 49,000	\$ 24,500
45 LaFayette-Walker County Public Library	Walker	Cherokee Regional Library	\$ 10,000	\$ 5,000
46 Dade County Public Library	Dade	Cherokee Regional Library	\$ 10,000	\$ 5,000
47 Southwest Library	Chatham	Live Oak Public Libraries	\$ 110,000	\$ 55,000
48 Union County Public Library	Union	Mountain Regional Library System	\$ 11,000	\$ 5,500
49 Towns County Public Library	Towns	Mountain Regional Library System	\$ 5,000	\$ 2,500
50 Central Library	Coweta	Coweta County Library	\$ 82,000	\$ 41,000
51 Powell Branch	Coweta	Coweta County Library	\$ 94,000	\$ 47,000

**Georgia Public Library Service
Major Repair and Renovation Grant Program**

FY22 Application

Date 8/31/20
 Library System Live Oak Public Libraries
 Library Facility Rincon Library
 Facility Address 401 South Columbia Avenue
 City Rincon County Effingham

Facility Status (check one)

Main Library Branch Library

Facility Ownership Status (list the owner of the library facility)

Chatham County

Project Priority (check one)

- Structural repairs
 Roof replacements and/or repairs
 HVAC replacements and/or repairs
 Life Safety/Facility Integrity/Hazardous Conditions
 Describe _____
 Accessibility and Code Compliance Conditions
 Describe _____

Local Matching Funds will be provided by

Library funds
 Local Taxing Agency: _____

Cost of Project

Contract Cost	\$	<u>12,000.00</u>
Design Fees	\$	_____
Other Costs <u>Advertising</u>	\$	_____
Other Costs _____	\$	_____
Other Costs _____	\$	_____
Subtotal	\$	_____
10% Contingency	\$	<u>1,200.00</u>
Total Cost of Project	\$	<u>13,200.00</u>

Describe how these costs were determined?

Are the actual costs from a bid process? Yes No
 Are the estimates from a design professional? Yes No

Description of Project - what will be accomplished with the funds?

The project will consist of upgrading to LED lighting to Rincon Library.

Need for the Project - why are funds needed for this project and how will it benefit your library?

Funds are needed so that we are able to become more energy efficient and safe. Replacing existing mix matched lighting bulbs to a more consistent lighting temperature.

Project Schedule - provide a proposed project implementation schedule.

Starting August 2021

Contact Information for Project Manager:

Name	Ted Goudeau	
Phone Number	<u>912 652-3624</u>	<u>9126671667</u>
	(work)	(cell)
E-Mail Address	<u>Goudeaut@liveoakpl.org</u>	

Certification of Matching Funds Availability:

Library Director: David Singleton

David W. Singleton 8/31/20
signature

Library System Board Chair: _____

signature

Official(s) of Local Taxing Agency Providing the Funds:

1 _____
signature

typed name, position, agency

2 _____
signature

typed name, position, agency

3 _____
signature

typed name, position, agency

Required Attachments

- Supporting documentation for project costs
- Professional estimate of repair
- Copies of reports documenting code violations, if applicable

Optional Attachments

- Plans and specifications
- Photographs
- Other

LED Lighting Proposal

PREPARED FOR:



LIVE OAK
Public Libraries

Rincon Library

17th Street & Highway 21
Rincon, GA 31326
912-826-2222

Presented By:

Energy Harness Corporation



Customized LED Lighting Audit

Prepared For Rincon Library

Thank you for giving Energy Harness Corporation an opportunity to show what we can do for your facility's lighting. Below is a breakdown of the lighting portion of the electric bills for the property.

Electrical Savings

Current Lighting Usage	37,908 kWh/Year
LED Replacement Usage	14,000 kWh/Year
Total Electrical Savings	23,908 kWh/Year
Total Electrical Savings (%)	63%

<u>Project Savings</u> *kWh cost \$0.1200	Monthly	Yearly
Current Electric Expense	\$379	\$4,548
Future Electric Expense	\$140	\$1,680
Total Electric Savings	\$239	\$2,868
Estimated Maintenance Savings	\$35	\$420
Total Savings	\$274	\$3,288

Project Cost

Materials and Installation	\$6,641.05
Down Payment for Site Audit	\$0.00
Total Cost	\$6,641.05
Estimated Incentives:	
Georgia Power Estimated Utility Rebate	(\$933.00)
Total Out-of-Pocket Investment	\$5,708.05

Estimated Return on Investment (ROI)

Including yearly maintenance savings	21 months
TOTAL SAVINGS OVER PROJECT LIFE** (11 Years)	\$30,459.95

**at today's electric cost

LED Lighting Benefits For Rincon Library

Project Lighting Benefits

- Electrical cost savings of 63%
- Direct, focused, constant, non-flickering light
- Eliminating maintenance of bulb and ballast replacement
- Long lasting lighting (8-10 times longer than existing fluorescent lighting)
- No light degradation over lifespan of lighting system
- Instant on lighting (no warm up period required)

Installation and Follow-Up Process (What you can expect from Energy Harness)

1. @ 45 days: Installation is scheduled and performed
2. @ 90 days: Initial lighting inspection performed
3. @ 365 days: Yearly assessment performed

Environmental Impact

Total Current CO2 Displacement	83,398 lbs./year
New CO2 Displacement	30,800 lbs./year

Project Pricing (Total Materials)

Description	Qty	Unit Price	Ext. Price
EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V	13	\$29.90	\$388.70
EHB-A19-1550K-E26-120-DTRIAC 15 Watt A19 Dimmable 50K LED 120V	4	\$29.90	\$119.60
EHB-A23-2550K-E26-277 25 Watt A23 Non-dimmable 50K LED (E26)	4	\$99.95	\$399.80
EHB-PAR38-1550K-E26-120-DTRIAC 15 Watt PAR38 Dimmable 50K LED 120V	2	\$24.95	\$49.90
EHF-FLOOD-05050K-277-KN 50W LED Flood Light 5000K 6500lm 130lm/w 100-277VAC ..1/2" threaded knuckle mounting	1	\$249.95	\$249.95
EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm	329	\$13.90	\$4,573.10
Total Materials			\$5,781.05
Sales Tax (0.00%)			<u>\$0.00</u>
Sub Total			\$5,781.05
Recycling of Old Lamps			\$0.00
Installation			<u>\$860.00</u>
Project Total			\$6,641.05

Project Pricing Breakdown (Sorted from least to most efficient)

Savings-%	Description	Qty	Unit Price	Ext. Price
61%	Children's Area			
	EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - 26W CFL bulb</i>	2	\$29.90	\$59.80
	EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - 60W bulb</i>	2	\$29.90	\$59.80
	EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - Existing LED down light</i>	2	\$29.90	\$59.80
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	45	\$13.90	\$625.50
	Installation			<u>\$165.00</u>
			Sub Total	\$969.90
62%	Adult Section			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	159	\$13.90	\$2,210.10
	Installation			<u>\$318.00</u>
			Sub Total	\$2,528.10
62%	Children's Book Stack Area			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	59	\$13.90	\$820.10
	Installation			<u>\$114.00</u>
			Sub Total	\$934.10
62%	Librarian's Office			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	9	\$13.90	\$125.10
	Installation			<u>\$18.00</u>
			Sub Total	\$143.10
62%	Library Work Area			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	18	\$13.90	\$250.20
	Installation			<u>\$36.00</u>
			Sub Total	\$286.20
62%	Restrooms			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	10	\$13.90	\$139.00
	Installation			<u>\$30.00</u>
			Sub Total	\$169.00
62%	Storage			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	3	\$13.90	\$41.70
	Installation			<u>\$6.00</u>
			Sub Total	\$47.70
67%	Circulation Desk			
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T12 4' 40W Fluor. Tube Std</i>	15	\$13.90	\$208.50
	EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	11	\$13.90	\$152.90

	Installation		<u>\$48.00</u>
		Sub Total	\$409.40

73%

Entrance

EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - Existing LED Fixture</i>	1	\$29.90	\$29.90
EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - PL-L CFL bulb 40W</i>	6	\$29.90	\$179.40

Installation			<u>\$0.00</u>
		Sub Total	\$209.30

75%

Exterior

EHB-A19-1550K-E26-120-DTRIAC 15 Watt A19 Dimmable 50K LED 120V <i>Replaces - 50W bulb</i>	4	\$29.90	\$119.60
EHB-A23-2550K-E26-277 25 Watt A23 Non-dimmable 50K LED (E26) <i>Replaces - 150W CFL Maxlite bulb</i>	3	\$99.95	\$299.85
EHB-A23-2550K-E26-277 25 Watt A23 Non-dimmable 50K LED (E26) <i>Replaces - 42W CFL bulb</i>	1	\$99.95	\$99.95
EHB-PAR38-1550K-E26-120-DTRIAC 15 Watt PAR38 Dimmable 50K LED 120V <i>Replaces - PAR38 bulb 50W</i>	2	\$24.95	\$49.90
EHF-FLOOD-05050K-277-KN 50W LED Flood Light 5000K 6500lm 130lm/w 100-277VAC ..1/2" threaded knuckle mounting <i>Replaces - Existing LED Fixture</i>	1	\$249.95	\$249.95

Installation			<u>\$125.00</u>
		Sub Total	\$944.25

Materials & Installation \$6,641.05

Sales Tax (0.00%) \$0.00

Project Total \$6,641.05

Project Scope Summary:

The following items are included in the scope of the project.

Energy Harness will:

1. Provide warranties on materials and installation;
2. Perform the onsite maintenance to replace bulbs and lights during the warranty period;
3. Replace all active end connectors (tombstones) as required;
4. Recycle all old lamps and provide certificate of recycling upon completion;
5. Wipe down and clean all lenses, inside and out, during installation;
6. Complete work during facility closed hours or in areas as mutually agreed between the facilities operations and Energy Harness;
7. Remove from premises daily, and properly legally dispose of according to environmental guidelines, all materials removed from the property during the installation process;
8. Provide a dumpster (if need) for any trash materials;
9. Shall procure and maintain insurance for the term of Work,

Please also note the following:

- All project work including project management, technical installation services and maintenance will be performed by Energy Harness.
- All shipping is included in the project price quoted.

General LED Features and Benefits

- ✓ **Saves Energy; LED lights use 54-90% less power than traditional lighting.**
- ✓ **Saves money; lowers energy bills.**
- ✓ **Saves the environment; less waste and disposal hazards.**
- ✓ **Lasts 8-10 times longer than traditional lighting: 70-100,000 hours.**
- ✓ **Reduced maintenance costs; replacement cycle costs are drastically reduced.**
- ✓ **Reduces ambient heat; generates less heat than traditional lighting allowing greater savings on air conditioning costs.**
- ✓ **Proven to produce less glare; higher productivity and safety in the workplace.**
- ✓ **Directional lighting; directionality allows for more efficient, less wasteful lighting.**
- ✓ **Less pollution; no toxic chemicals like those found in traditional incandescent, fluorescent and HID lighting (arsenic, mercury, lead, carbon dioxide, or phosphorous).**
- ✓ **No UV radiation; produces no ultraviolet or infrared light.**
- ✓ **Dimming Compatible: Able to set controls at individual light for on/off and dimming. Eliminates commercial demand charges. Ability to create a lighting system.**
- ✓ **Better visibility; white light is proven to have better color rendering. For example, a blue car looks blue under an LED street light, not just dark.**
- ✓ **Available in warm white (2700-4000K) similar to incandescent, or cool white (5000-6500K) similar to sunlight.**
- ✓ **Durable; breakage and vibration resistance.**
- ✓ **Dark sky compliant; reduce light pollution.**
- ✓ **Instant on; no waiting for the lights to warm up and restart like fluorescent, metal halide, and high pressure sodium lighting.**

Products Manufacturing Contact:

Marie Hamilton

Lighting Solutions
Energy Harness Corporation
Office: (770) 449-6410
Cell: (858) 729-4468
mhamilton@energyharness.com

Thomas Wilk

Service & Technical Support (Engineering)
Energy Harness Corporation
Office: (317) 999-5561
Cell: (219) 851-3092
twilk@energyharness.com

Jim Combs

Operations Director
Energy Harness Corporation
Phone: (317) 727-9211
jcombs@energyharness.com

Patricio Daneri

Managing Director – Relationship Leader
Energy Harness Corporation
Phone: (239) 246-1958
patricio@energyharness.com

Michael Fischer

Product Engineering
Energy Harness Corporation
Office: (239) 790-3300 ext. 112
Cell: (239) 634-2933
mfischer@energyharness.com



**5225 Exploration Dr.
Indianapolis, IN 46241
317-999-5561
www.energyharness.com**

LED Lighting Proposal

PREPARED FOR:



LIVE OAK
Public Libraries

Rincon Library

17th Street & Highway 21
Rincon, GA 31326
912-826-2222

Presented By:

Energy Harness Corporation



Customized LED Lighting Audit

Prepared For Rincon Library

Thank you for giving Energy Harness Corporation an opportunity to show what we can do for your facility's lighting. Below is a breakdown of the lighting portion of the electric bills for the property.

Electrical Savings

Current Lighting Usage	43,626 kWh/Year
LED Replacement Usage	18,814 kWh/Year
Total Electrical Savings	24,812 kWh/Year
Total Electrical Savings (%)	57%

<u>Project Savings</u> *kWh cost \$0.1470	Monthly	Yearly
Current Electric Expense	\$534	\$6,408
Future Electric Expense	\$230	\$2,760
Total Electric Savings	\$304	\$3,648
Estimated Maintenance Savings	\$99	\$1,188
Total Savings	\$403	\$4,836

Project Cost

Materials and Installation	\$23,052.50
Down Payment for Site Audit	\$0.00
Total Cost	\$23,052.50
Estimated Incentives:	
Georgia Power Estimated Utility Rebate	(\$3,171.00)
Total Out-of-Pocket Investment	\$19,881.50

Estimated Return on Investment (ROI)

Including yearly maintenance savings	49 months
TOTAL SAVINGS OVER PROJECT LIFE** (11 Years)	\$33,314.50

**at today's electric cost

LED Lighting Benefits For Rincon Library

Project Lighting Benefits

- Electrical cost savings of **57%**
- Direct, focused, constant, non-flickering light
- Eliminating maintenance of bulb and ballast replacement
- Long lasting lighting (8-10 times longer than existing fluorescent lighting)
- No light degradation over lifespan of lighting system
- Instant on lighting (no warm up period required)

Installation and Follow-Up Process (What you can expect from Energy Harness)

1. @ 60 days: Installation is scheduled and performed
2. @ 90 days: Initial lighting inspection performed
3. @ 365 days: Yearly assessment performed

Environmental Impact

Total Current CO2 Displacement	95,977 lbs./year
New CO2 Displacement	41,391 lbs./year

Project Pricing (Total Materials)

Description	Qty	Unit Price	Ext. Price
EHA-PANEL-SUR-2X2 Surface Mount Kit for Flat Panels 2' X 2'	2	\$54.00	\$108.00
EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V	5	\$29.90	\$149.50
EHB-A19-1550K-E26-120-DTRIAC 15 Watt A19 Dimmable 50K LED 120V	4	\$29.90	\$119.60
EHD6-2040K-277-DTRIAC LED Down Light 20W 6" 4000K 120VAC Triac dimmable 1700lm frosted lens	4	\$99.95	\$399.80
EHF-EMERGENCY-EEM1LED-WH LED 2-Head Emergency Fixture w/Battery	2	\$79.95	\$159.90
EHF-PANEL-RETRO-2X2-4040K-277 LED 2'x2' Retrofit Flat Panel Troffer Kit 40W 4000K 0-10V Dimmable 120-277V 4000lm..Includes Mounting Frame	5	\$95.00	\$475.00
EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame	112	\$125.00	\$14,000.00
EHF-VAN-2340K-120-DTRIAC LED Vanity Fixture 23W 4000K 1600lm Dimmable 120VAC 24.8" x 5.3" x 4.2"	10	\$129.00	\$1,290.00
EHF-WP-8050K-277-LS 80W Wallpack 120-277VAC 5000K	7	\$395.00	\$2,765.00
EHL48-T816-40K-DEP Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm (Double Ended Power - NOT Ballast Compatible)	20	\$15.50	\$310.00
EHU06F-T818-40K LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover	6	\$23.95	\$143.70
Total Materials			\$19,920.50
Sales Tax (0.00%)			<u>\$0.00</u>
Sub Total			\$19,920.50
Recycling of Old Lamps			\$0.00
Installation			<u>\$3,132.00</u>
Project Total			\$23,052.50

Project Pricing Breakdown (Sorted from least to most efficient)

Savings %	Description	Qty	Unit Price	Ext. Price
-1700%	Restroom Exit Fixture EHF-EMERGENCY-EEM1LED-WH LED 2-Head Emergency Fixture w/Battery <i>Replaces - N/A</i>	2	\$79.95	\$159.90
	Installation			<u>\$50.00</u>
			Sub Total	\$209.90
-15%	Kitchen Undercabinet (F8 T5/CW;F13 T5/CW) EHF-VAN-2340K-120-DTRIAC LED Vanity Fixture 23W 4000K 1600lm Dimmable 120VAC 24.8" x 5.3" x 4.2" <i>Replaces - T5 2' 14W Fluor. Tube Std</i>	2	\$129.00	\$258.00
	Installation			<u>\$40.00</u>
			Sub Total	\$298.00
0%	Staff Kitchen (F32T8/TL850 32Watt) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T12 4' 40W Fluor. Tube Std</i>	6	\$125.00	\$750.00
	Installation			<u>\$90.00</u>
			Sub Total	\$840.00
28%	Workroom undercounter EHF-VAN-2340K-120-DTRIAC LED Vanity Fixture 23W 4000K 1600lm Dimmable 120VAC 24.8" x 5.3" x 4.2" <i>Replaces - T5 4' 28W Fluor. Tube Std</i>	8	\$129.00	\$1,032.00
	Installation			<u>\$160.00</u>
			Sub Total	\$1,192.00
36%	Restrooms (F32T8/TL850 32 Watt) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	5	\$125.00	\$625.00
	Installation			<u>\$75.00</u>
			Sub Total	\$700.00
38%	Exterior EHB-A19-1550K-E26-120-DTRIAC 15 Watt A19 Dimmable 50K LED 120V <i>Replaces - 50W bulb</i>	4	\$29.90	\$119.60
	EHF-WP-8050K-277-LS 80W Wallpack 120-277VAC 5000K <i>Replaces - 150W CFL Maxlite bulb</i>	3	\$395.00	\$1,185.00
	EHF-WP-8050K-277-LS 80W Wallpack 120-277VAC 5000K <i>Replaces - 70W HPS bulb</i>	1	\$395.00	\$395.00
	EHF-WP-8050K-277-LS 80W Wallpack 120-277VAC 5000K <i>Replaces - Existing LED Fixture</i>	1	\$395.00	\$395.00
	EHF-WP-8050K-277-LS 80W Wallpack 120-277VAC 5000K <i>Replaces - PAR38 bulb 50W</i>	2	\$395.00	\$790.00
	Installation			<u>\$525.00</u>
			Sub Total	\$3,409.60
48%	Children's Area (A19) EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - Existing LED down light</i> EHD6-2040K-277-DTRIAC LED Down Light 20W 6" 4000K 120VAC Triac dimmable 1700lm frosted lens <i>Replaces - 26W CFL bulb</i>	2	\$29.90	\$59.80
		2	\$99.95	\$199.90

	EHD6-2040K-277-DTRIAC			
	LED Down Light 20W 6" 4000K 120VAC Triac dimmable 1700lm frosted lens <i>Replaces - 60W bulb</i>	2	\$99.95	\$199.90
	Installation			<u>\$149.00</u>
			Sub Total	\$608.60
54%	Staff Restroom (FB032/741/6/ECO, 4100K, 32Watt)			
	EHU06F-T818-40K			
	LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover <i>Replaces - T8 2' 32W Fluor. U-Bend</i>	2	\$23.95	\$47.90
	Installation			<u>\$11.00</u>
			Sub Total	\$58.90
54%	Staff Workroom Closet (FB032/741/6/ECO, 4100K, 32Watt)			
	EHU06F-T818-40K			
	LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover <i>Replaces - T8 2' 32W Fluor. U-Bend</i>	2	\$23.95	\$47.90
	Installation			<u>\$11.00</u>
			Sub Total	\$58.90
54%	Utility Room (FB032/741/6/ECO, 4100K, 32Watt)			
	EHU06F-T818-40K			
	LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover <i>Replaces - T8 2' 32W Fluor. U-Bend</i>	2	\$23.95	\$47.90
	Installation			<u>\$11.00</u>
			Sub Total	\$58.90
57%	Library Work Area (F32T8/TL850 32 Watt)			
	EHF-PANEL-RETRO-2X4-5040K-277			
	LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	6	\$125.00	\$750.00
	Installation			<u>\$90.00</u>
			Sub Total	\$840.00
58%	Adult Section (F32T8/TL850 32 Watt)			
	EHF-PANEL-RETRO-2X4-5040K-277			
	LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	52	\$125.00	\$6,500.00
	Installation			<u>\$780.00</u>
			Sub Total	\$7,280.00
58%	Children's Area (F32T8/TL850 32 Watt)			
	EHF-PANEL-RETRO-2X4-5040K-277			
	LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	11	\$125.00	\$1,375.00
	EHL48-T816-40K-DEP			
	Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm (Double Ended Power - NOT Ballast Compatible) <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	8	\$15.50	\$124.00
	Installation			<u>\$409.00</u>
			Sub Total	\$1,908.00
59%	Children's Book Stack Area (F32T8/TL850 32 Watt)			
	EHF-PANEL-RETRO-2X4-5040K-277			
	LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	20	\$125.00	\$2,500.00
	Installation			<u>\$300.00</u>
			Sub Total	\$2,800.00
60%	Entrance Vestibule (Mercury Type T or R, 100 Watt)			

	EHF-PANEL-RETRO-2X2-4040K-277 LED 2'x2' Retrofit Flat Panel Troffer Kit 40W 4000K 0-10V Dimmable 120-277V 4000lm..Includes Mounting Frame <i>Replaces - 100W bulb</i>	5	\$95.00	\$475.00
	Installation			<u>\$75.00</u>
			Sub Total	\$550.00
62%	Mechanical Room (F32T8/TL850 32 Watt) EHL48-T816-40K-DEP Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm (Double Ended) Power - NOT Ballast Compatible) <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	8	\$15.50	\$124.00
	Installation			<u>\$44.00</u>
			Sub Total	\$168.00
62%	Storage (F32T8/TL850 32 Watt) EHL48-T816-40K-DEP Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm (Double Ended) Power - NOT Ballast Compatible) <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	4	\$15.50	\$62.00
	Installation			<u>\$22.00</u>
			Sub Total	\$84.00
65%	Circulation Desk (F32T8/TL850 32 Watt) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T8 4' 32W Fluor. Tube Std</i>	3	\$125.00	\$375.00
	Installation			<u>\$45.00</u>
			Sub Total	\$420.00
67%	Circulation Desk (T12) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T12 4' 40W Fluor. Tube Std</i>	5	\$125.00	\$625.00
	Installation			<u>\$75.00</u>
			Sub Total	\$700.00
67%	Librarian's Office (F32T8/TL850 32 Watt) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T12 4' 40W Fluor. Tube Std</i>	3	\$125.00	\$375.00
	Installation			<u>\$45.00</u>
			Sub Total	\$420.00
85%	Entrance (Mercury Type T or R, 100 Watt) EHA-PANEL-SUR-2X2 Surface Mount Kit for Flat Panels 2' X 2' <i>Replaces - N/A</i>	2	\$54.00	\$108.00
	EHB-A19-1541K-E26-120-DTRIAC 15 Watt A19 Dimmable 41K LED 120V <i>Replaces - 100W bulb</i>	2	\$29.90	\$59.80
	Installation			<u>\$110.00</u>
			Sub Total	\$277.80
88%	Children's Area Office (F32T8/TL850 32 Watt) EHF-PANEL-RETRO-2X4-5040K-277 LED 2'x4' Retrofit Flat Panel Troffer Kit 50W 4000K 0-10V Dimmable 120-277V 5000lm ..Includes Mounting Frame <i>Replaces - T12 4' 40W Fluor. Tube Std</i>	1	\$125.00	\$125.00
	Installation			<u>\$15.00</u>
			Sub Total	\$140.00
90%	Entrance			

EHB-A19-1541K-E26-120-DTRIAC
15 Watt A19 Dimmable 41K LED 120V
Replaces – Existing LED Fixture

Installation

1 \$29.90 \$29.90

\$0.00

Sub Total \$29.90

Materials & Installation \$23,052.50

Sales Tax (0.00%) \$0.00

Project Total \$23,052.50

Project Scope Summary:

The following items are included in the scope of the project.

Energy Harness will:

1. Provide warranties on materials and installation;
2. Perform the onsite maintenance to replace bulbs and lights during the warranty period;
3. Replace all active end connectors (tombstones) as required;
4. Recycle all old lamps and provide certificate of recycling upon completion;
5. Wipe down and clean all lenses, inside and out, during installation;
6. Complete work during facility closed hours or in areas as mutually agreed between the facilities operations and Energy Harness;
7. Remove from premises daily, and properly legally dispose of according to environmental guidelines, all materials removed from the property during the installation process;
8. Provide a dumpster for any trash materials;
9. Shall procure and maintain insurance for the term of Work,

Please also note the following:

- All project work including project management, technical installation services and maintenance will be performed by Energy Harness.
- All shipping is included in the project price quoted.
- Dumpster expense included in installation cost
- Price includes fixture replacements.
- Existing lighting controls will be used.

General LED Features and Benefits

- ✓ **Saves Energy; LED lights use 54-90% less power than traditional lighting.**
- ✓ **Saves money; lowers energy bills.**
- ✓ **Saves the environment; less waste and disposal hazards.**
- ✓ **Lasts 8-10 times longer than traditional lighting: 70-100,000 hours.**
- ✓ **Reduced maintenance costs; replacement cycle costs are drastically reduced.**
- ✓ **Reduces ambient heat; generates less heat than traditional lighting allowing greater savings on air conditioning costs.**
- ✓ **Proven to produce less glare; higher productivity and safety in the workplace.**
- ✓ **Directional lighting; directionality allows for more efficient, less wasteful lighting.**
- ✓ **Less pollution; no toxic chemicals like those found in traditional incandescent, fluorescent and HID lighting (arsenic, mercury, lead, carbon dioxide, or phosphorous).**
- ✓ **No UV radiation; produces no ultraviolet or infrared light.**
- ✓ **Dimming Compatible: Able to set controls at individual light for on/off and dimming. Eliminates commercial demand charges. Ability to create a lighting system.**
- ✓ **Better visibility; white light is proven to have better color rendering. For example, a blue car looks blue under an LED street light, not just dark.**
- ✓ **Available in warm white (2700-4000K) similar to incandescent, or cool white (5000-6500K) similar to sunlight.**
- ✓ **Durable; breakage and vibration resistance.**
- ✓ **Dark sky compliant; reduce light pollution.**
- ✓ **Instant on; no waiting for the lights to warm up and restart like fluorescent, metal halide, and high pressure sodium lighting.**

Products Manufacturing Contact:

Marie Hamilton

Lighting Solutions

Energy Harness Corporation

Office: (770) 449-6410

Cell: (858) 729-4468

mhamilton@energyharness.com

Thomas Wilk

Service & Technical Support (Engineering)

Energy Harness Corporation

Office: (317) 999-5561

Cell: (219) 851-3092

twilk@energyharness.com

Jim Combs

Operations Director

Energy Harness Corporation

Phone: (317) 727-9211

jcombs@energyharness.com

Patricio Daneri

Managing Director – Relationship Leader

Energy Harness Corporation

Phone: (239) 246-1958

patricio@energyharness.com

Michael Fischer

Product Engineering

Energy Harness Corporation

Office: (239) 790-3300 ext. 112

Cell: (239) 634-2933

mfischer@energyharness.com



5225 Exploration Dr.

Indianapolis, IN 46241

317-999-5561

www.energyharness.com

**Georgia Public Library Service
Major Repair and Renovation Grant Program**

FY22 Application

Date 11/10/20
 Library System Live Oak Public libraries
 Library Facility Springfield
 Facility Address 810 highway 119 South
 City Springfield County Effingham

Facility Status (check one)
 Main Library Branch Library

Facility Ownership Status (list the owner of the library facility)
Effingham County

Project Priority (check one)

Structural repairs
 Roof replacements and/or repairs
 HVAC replacements and/or repairs
 Life Safety/Facility Integrity/Hazardous Conditions
 Describe _____
 Accessibility and Code Compliance Conditions
 Describe _____

Local Matching Funds will be provided by

Library funds
 Local Taxing Agency: _____

Cost of Project

Contract Cost	\$	<u>15,622.55</u>
Design Fees	\$	_____
Other Costs <u>Advertising</u>	\$	_____
Other Costs _____	\$	_____
Other Costs _____	\$	_____
Subtotal	\$	_____
10% Contingency	\$	<u>1,562.00</u>
Total Cost of Project	\$	<u>17,184.81</u>

Describe how these costs were determined?

The cost of this project is based upon the quote recived by Energy Harness. The contractor is required to install LED lighting at Springfield Library.

Are the actual costs from a bid process? Yes No
 Are the estimates from a design professional? Yes No

Description of Project - what will be accomplished with the funds?

This Project will consist of upgrading to LED lights at Springfiled Library

Need for the Project - why are funds needed for this project and how will it benefit your library?

Funds are needed to become more energy efficient and safe. Replacing the existing lighting to a more consistand energuy saving lighting system.

Project Schedule - provide a proposed project implementation schedule.

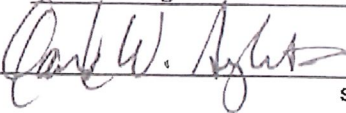
Project to start August 2021

Contact Information for Project Manager:

Name	Ted Goudeau	
Phone Number	9126523624	912 667-1667
	(work)	(cell)
E-Mail Address	<u>Goudeaut@liveoakpl.org</u>	

Certification of Matching Funds Availability:

Library Director: David Singleton

 signature 11/10/20

Library System Board Chair: Dean Hortsman

signature

Official(s) of Local Taxing Agency Providing the Funds:

1

signature

typed name, position, agency

2

signature

typed name, position, agency

3

signature

typed name, position, agency

Required Attachments

- Supporting documentation for project costs
- Professional estimate of repair
- Copies of reports documenting code violations, if applicable

Optional Attachments

- Plans and specifications
- Photographs
- Other

LED Lighting Proposal

PREPARED FOR:



LIVE OAK
PUBLIC LIBRARY

Springfield Library

810 Highway 119 South
Springfield, GA 31329
912-754-3003

Presented By:

Energy Harness Corporation



Customized LED Lighting Audit

Prepared For Springfield Library

Thank you for giving Energy Harness Corporation an opportunity to show what we can do for your facility's lighting. Below is a breakdown of the lighting portion of the electric bills for the library.

Electrical Savings

Current Lighting Usage	60,423 kWh/Year
LED Replacement Usage	18,487 kWh/Year
Total Electrical Savings	41,936 kWh/Year
Total Electrical Savings (%)	69%

<u>Project Savings</u> *kWh cost \$0.1200	Monthly	Yearly
Current Electric Expense	\$604	\$7,248
Future Electric Expense	\$185	\$2,220
Total Electric Savings	\$419	\$5,028
Estimated Maintenance Savings	\$88	\$1,056
Total Savings	\$507	\$6,084

Project Cost

Materials and Installation	\$17,084.55
Down Payment for Site Audit	\$0.00
Total Cost	\$17,084.55
Estimated Incentives:	
Estimated Utility Rebate	(\$1,462.00)
Total Out-of-Pocket Investment	\$15,622.55

Estimated Return on Investment (ROI)

Including yearly maintenance savings	31 months
TOTAL SAVINGS OVER PROJECT LIFE** (7 Years)	\$51,301.45

**at today's electric cost

LED Lighting Benefits For Springfield Library

Project Lighting Benefits

- Electrical cost savings of 69%
- Direct, focused, constant, non-flickering light
- Eliminating maintenance of bulb and ballast replacement
- Long lasting lighting (8-10 times longer than existing fluorescent lighting)
- No light degradation over lifespan of lighting system
- Instant on lighting (no warm up period required)

Installation and Follow-Up Process (What you can expect from Energy Harness)

1. @ 45 days: Installation is scheduled and performed
2. @ 90 days: Initial lighting inspection performed
3. @ 365 days: Yearly assessment performed

Environmental Impact

Total Current CO2 Displacement	132,931 lbs./year
New CO2 Displacement	40,671 lbs./year

Project Pricing (Total Materials)

Description	Qty	Unit Price	Ext. Price
EHA-ADAPT-ROUND-POLE-SIDE-TENON Side Tenon for Round Pole, fits 3-5" round poles..	3	\$187.95	\$563.85
EHA-ADAPT-SAA-DOUBLE-TENON-LS Slipfit Adjustable Adapter - 2 sided tenon	1	\$95.00	\$95.00
EHA-EEBB-15W-BOX External Emergency Battery Backup Unit 15w (Emergency Operation = 90 mins)	5	\$149.00	\$745.00
EHB-A21-16.540K-E26-277 16.5 Watt A21 40K 120-277V Non-Dimmable LED	19	\$59.95	\$1,139.05
EHB-PAR38-HO-2530K-277 15 Watt PAR38 High-Output Dimmable 30K LED 120V	10	\$99.95	\$999.50
EHB-PL-0940K-G24Q-277 Frosted 9 Watt PL Bulb 40K (G24Q) Frosted LED	59	\$24.95	\$1,472.05
EHF-PANEL-2X2DS-45-277 LED Flat Panel 2'X2' CCT & Wattage Tunable by Dip Switch ..0-10V Dimmable 120-277VAC..30W/35W/40W/45W..3000K/3500K/4000K/5000K	2	\$109.00	\$218.00
EHF-ST2-3-8057K-480-D010-BK 80W Streetlight Cobra Head 57K Black 200-480V	4	\$728.00	\$2,912.00
EHI48D-T530-40K Semi 30 Watt Double-Integrated 4' T5 40K Semi-Frosted LED	10	\$49.95	\$499.50
EHL24-T809-50K Semi Linear 2' T8 9W LED Tube light 5000K Semi-frosted	2	\$19.95	\$39.90
EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm	200	\$13.90	\$2,780.00
EHU06F-T818-40K LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover	126	\$23.95	\$3,017.70
Total Materials			\$14,481.55
Sales Tax (0.00%)			<u>\$0.00</u>
Sub Total			\$14,481.55
Recycling of Old Lamps			\$0.00
Installation			<u>\$2,603.00</u>
Project Total			\$17,084.55

Project Pricing Breakdown

Savings %	Description	Qty	Unit Price	Ext. Price
NA	5 emergency ballasts for 2x2 and 2x4 lights EHA-EEBB-15W-BOX External Emergency Battery Backup Unit 15w (Emergency Operation = 90 mins) <i>Replaces - N/A</i> Installation	5	\$149.00	\$745.00
				<u>\$50.00</u>
			Sub Total	\$795.00
0%	CFL, 9 watt, twin tube, G23 base: EHB-PL-0940K-G24Q-277 Frosted 9 Watt PL Bulb 40K (G24Q) Frosted LED <i>Replaces - 9W CFL bulb</i> Installation	30	\$24.95	\$748.50
				<u>\$210.00</u>
			Sub Total	\$958.50
31%	F13DBX23T4/SPX35 EHB-PL-0940K-G24Q-277 Frosted 9 Watt PL Bulb 40K (G24Q) Frosted LED <i>Replaces - 13W CFL bulb</i> Installation	2	\$24.95	\$49.90
				<u>\$14.00</u>
			Sub Total	\$63.90
53%	F17T8-SP35 EHL24-T809-50K Semi Linear 2' T8 9W LED Tube light 5000K Semi-frosted <i>Replaces - T8 2' 17W Fluor. Tube Std</i> Installation	2	\$19.95	\$39.90
				<u>\$10.00</u>
			Sub Total	\$49.90
54%	FB031/835 3500k 31 watt (U shape) EHU06F-T818-40K LED U bend tube 2' 18W 1800lm 4000K 120-277VAC CRI>80 Frosted Cover <i>Replaces - T8 2' 32W Fluor. U-Bend</i> Installation	126	\$23.95	\$3,017.70
				<u>\$315.00</u>
			Sub Total	\$3,332.70
62%	F032/v41/eco (regular T8): EHL48-T816-40K Linear 4' T8 16W LED Tube light 4000K Frosted cover 1800lm <i>Replaces - T8 4' 32W Fluor. Tube Std</i> Installation	200	\$13.90	\$2,780.00
				<u>\$500.00</u>
			Sub Total	\$3,280.00
64%	Par35 flood lights, 65 watt, medium base: EHB-PAR38-HO-2530K-277 15 Watt PAR38 High-Output Dimmable 30K LED 120V <i>Replaces - PAR38 bulb 70W</i> Installation	10	\$99.95	\$999.50
				<u>\$50.00</u>
			Sub Total	\$1,049.50
65%	CFL, 26 watt, Double Twin Tube (Quad) G24D-3 base: EHB-PL-0940K-G24Q-277 Frosted 9 Watt PL Bulb 40K (G24Q) Frosted LED <i>Replaces - 26W CFL bulb</i> Installation	27	\$24.95	\$673.65
				<u>\$189.00</u>
			Sub Total	\$862.65
70%	2 existing 2x2 LED panels in the restroom hallway EHF-PANEL-2X2DS-45-277 LED Flat Panel 2'X2' CCT & Wattage Tunable by Dip Switch .0-10V Dimmable 120-277VAC..30W/35W/40W/45W..3000K/3500K/4000K/5000K <i>Replaces - Existing LED Fixture</i> Installation	2	\$109.00	\$218.00
				<u>\$30.00</u>

			Sub Total	\$248.00
80%	(2) 20 foot rope light behind molding in the atrium			
	EHI48D-T530-40K Semi			
	30 Watt Double-Integrated 4' T5 40K Semi-Frosted LED	10	\$49.95	\$499.50
	<i>Replaces - Existing LED Fixture</i>			
	Installation			<u>\$150.00</u>
			Sub Total	\$649.50
87%	MH100/C/U/Med			
	EHB-A21-16.540K-E26-277			
	16.5 Watt A21 40K 120-277V Non-Dimmable LED	17	\$59.95	\$1,019.15
	<i>Replaces - 100W Metal Halide bulb</i>			
	Installation			<u>\$255.00</u>
			Sub Total	\$1,274.15
92%	MVR175/U/Med, E17			
	EHB-A21-16.540K-E26-277			
	16.5 Watt A21 40K 120-277V Non-Dimmable LED	2	\$59.95	\$119.90
	<i>Replaces - 175W Metal Halide bulb</i>			
	Installation			<u>\$30.00</u>
			Sub Total	\$149.90
93%	Parking Lot Lights (Double Head)			
	EHF-ST2-3-8057K-480-D010-BK			
	80W Streetlight Cobra Head 57K Black 200-480V	1	\$728.00	\$728.00
	<i>Replaces - 1000W Metal Halide bulb</i>			
	Installation			<u>\$650.00</u>
			Sub Total	\$1,378.00
93%	Parking Lot Lights (Single Head)			
	EHF-ST2-3-8057K-480-D010-BK			
	80W Streetlight Cobra Head 57K Black 200-480V	3	\$728.00	\$2,184.00
	<i>Replaces - 1000W Metal Halide bulb</i>			
	Installation			<u>\$150.00</u>
			Sub Total	\$2,334.00
NA	Parking Lot Lights (Double Head) Mounting Hardware			
	EHA-ADAPT-SAA-DOUBLE-TENON-LS			
	Slipfit Adjustable Adapter - 2 sided tenon	1	\$95.00	\$95.00
	<i>Replaces - N/A</i>			
	Installation			<u>\$0.00</u>
			Sub Total	\$95.00
NA	Parking Lot Lights (Single Head) Mounting Hardware			
	EHA-ADAPT-ROUND-POLE-SIDE-TENON			
	Side Tenon for Round Pole, fits 3-5" round poles..	3	\$187.95	\$563.85
	<i>Replaces - N/A</i>			
	Installation			<u>\$0.00</u>
			Sub Total	\$563.85
			Materials & Installation	\$17,084.55
			Sales Tax (0.00%)	\$0.00
			Project Total	\$17,084.55

Project Scope Summary:

The following items are included in the scope of the project.

Energy Harness will:

1. Provide warranties on materials and installation;
2. Perform the onsite maintenance to replace bulbs and lights during the warranty period;
3. Replace all active end connectors (tombstones) as required;
4. Recycle all old lamps and provide certificate of recycling upon completion;
5. Wipe down and clean all lenses, inside and out, during installation;
6. Complete work during facility closed hours or in areas as mutually agreed between the facilities operations and Energy Harness;
7. Remove from premises daily, and properly legally dispose of according to environmental guidelines, all materials removed from the property during the installation process;
8. Provide a dumpster (if need) for any trash materials;
9. Shall procure and maintain insurance for the term of Work;

Please also note the following:

- All project work including project management, technical installation services and maintenance will be performed by Energy Harness.
- All shipping is included in the project price quoted.
- **The cost of the lift is included in the installation charge.**

General LED Features and Benefits

- ✓ **Saves Energy; LED lights use 54-90% less power than traditional lighting.**
- ✓ **Saves money; lowers energy bills.**
- ✓ **Saves the environment; less waste and disposal hazards.**
- ✓ **Lasts 8-10 times longer than traditional lighting: 70-100,000 hours.**
- ✓ **Reduced maintenance costs; replacement cycle costs are drastically reduced.**
- ✓ **Reduces ambient heat; generates less heat than traditional lighting allowing greater savings on air conditioning costs.**
- ✓ **Proven to produce less glare; higher productivity and safety in the workplace.**
- ✓ **Directional lighting; directionality allows for more efficient, less wasteful lighting.**
- ✓ **Less pollution; no toxic chemicals like those found in traditional incandescent, fluorescent and HID lighting (arsenic, mercury, lead, carbon dioxide, or phosphorous).**
- ✓ **No UV radiation; produces no ultraviolet or infrared light.**
- ✓ **Dimming Compatible: Able to set controls at individual light for on/off and dimming. Eliminates commercial demand charges. Ability to create a lighting system.**
- ✓ **Better visibility; white light is proven to have better color rendering. For example, a blue car looks blue under an LED street light, not just dark.**
- ✓ **Available in warm white (2700-4000K) similar to incandescent, or cool white (5000-6500K) similar to sunlight.**
- ✓ **Durable; breakage and vibration resistance.**
- ✓ **Dark sky compliant; reduce light pollution.**
- ✓ **Instant on; no waiting for the lights to warm up and restart like fluorescent, metal halide, and high pressure sodium lighting.**

Products Manufacturing Contact:

Marie Hamilton

Lighting Solutions
Energy Harness Corporation
Office: (770) 449-6410
Cell: (858) 729-4468
mhamilton@energyharness.com

Thomas Wilk

Service & Technical Support (Engineering)
Energy Harness Corporation
Office: (317) 999-5561
Cell: (219) 851-3092
twilk@energyharness.com

Jim Combs

Operations Director
Energy Harness Corporation
Phone: (317) 727-9211
jcombs@energyharness.com

Patricio Daneri

Managing Director – Relationship Leader
Phone: (239) 246-1958
patricio@energyharness.com

Michael Fischer

Product Engineering
Energy Harness Corporation
Office: (239) 790-3300 ext. 112
Cell: (239) 634-2933
mfischer@energyharness.com



**5225 Exploration Dr.
Indianapolis, IN 46241
317-999-5561
www.energyharness.com**

**Georgia Public Library Service
Major Repair and Renovation Grant Program**

FY22 Application

Date 8/31/20

Library System Live Oak Public Libraries

Library Facility Rincon Library

Facility Address 401 South Columbia Ave

City Rincon Library County Effingham

Facility Status (check one)

Main Library Branch Library

Facility Ownership Status (list the owner of the library facility)

City Of Rincon

Project Priority (check one)

Structural repairs

Roof replacements and/or repairs

HVAC replacements and/or repairs

Life Safety/Facility Integrity/Hazardous Conditions
Describe _____

Accessibility and Code Compliance Conditions
Describe _____

Local Matching Funds will be provided by

Library funds

Local Taxing Agency: _____

Cost of Project

Contract Cost		\$	<u>12,000.00</u>
Design Fees		\$	_____
Other Costs	<u>Advertising</u>	\$	_____
Other Costs	_____	\$	_____
Other Costs	_____	\$	_____
Subtotal		\$	_____
10% Contingency		\$	<u>1,200.00</u>
Total Cost of Project		\$	<u>13,200.00</u>

Describe how these costs were determined?

Cost of this Project was based of pervious Energy Harness installs where a contractor was required to install LED Lighting at Forest City which is very similar to the Rincon branch.

Are the actual costs from a bid process? Yes No

Are the estimates from a design professional? Yes No