

Response to the Standing Request for Qualifications: Arkansas Energy Performance Contracting Program

1. Executive summary

This document contains all the information and data required for the application for Future Energy Solutions (FES) to be considered by the Arkansas Energy Office (AEO) as a qualified Energy Service Company (ESCO).

FES has considered the Arkansas Energy Performance Contracting Program Manual and finds no fault with any of the requirements or terms outlined. FES has completed projects for hundreds of clients across 42 states and 9 countries in western Europe through the FES UK office and therefore has experience in aligning with responsibilities and requirements of different legislative bodies and regions. FES is satisfied to commit to the ESCO requirements of the qualification process in Section '3' and the procedural requirements of any AEO RFB project in Section '4'.

In regards to the minimum qualifications required to be considered for the qualified list of ESCOs:

- FES has an electrical contractor's license EC13009737 and is registered to perform business in the state of Arkansas, having completed multiple projects there in the past several years.
- The purpose of this document is to become certified by AEO.
- FES has over a decade of experience auditing, designing and installing energy efficient LED lighting solutions including post installation measurement and verification to ensure customers are incurring the correct savings.
- FES' value proposition provides a fully funded LED lighting upgrade. This means the customer does not have to commit to any capital expenditure. FES has a revolving facility with Deutsche Bank, allowing it to finance the M&V, procurement, installation and maintenance of the LED lighting upgrade project.
- FES has a broad and trusted network of contractor affiliates to perform M&V, installation and maintenance across the 42 operational states. In some cases, FES will partner with a project site's onsite maintenance team if they have the required capabilities. Furthermore, FES contractor affiliates will be representing FES during the 15 years' maintenance guarantee, and therefore FES are more than willing to partner with contractors already trusted by the customer.

FES' unique Lighting as a Service offering will provide AEO projects with financial and environmental benefits that are unattainable via a traditional lighting upgrade and procurement methods. As our customers don't provide any capital outlay for the lighting upgrade, our future Arkansas municipality customers will not be investing in deprecating assets and will be generating instant savings from the energy efficient upgrades relating to the lighting portion of energy costs. Furthermore, FES provides maintenance and replacement on all FES light fixtures for a 15-year period – at no extra cost to the customer. In this instance, AEO won't have to deal with changing an FES light bulb for 15 years.

FES grants AEO permission to share our SOQ (financially redacted edition) with the public in order to be considered for EPC projects.







2. Company Overview

Future Energy Solutions was founded in 2009 and is based out of Fort Lauderdale, Florida. The firm has grown dramatically since its conception and has now completed the installation of over 2000 projects across 42 states and even has a UK office based in London that has so far completed large scale projects in 9 Western European countries. FES has been in the energy efficiency business since 2009, providing the same Lighting as a Service model it does today. In more recent years, FES has begun to undertake municipal projects, including county jails, schools and street lighting projects. None of these projects have had direct costs of above \$1M and 33 have project costs below \$1M. FES are currently in the process of becoming a US Department of Energy qualified ESCO.

3. Management and Staffing

Listed below is the FES methodology in regard to resourcing and performing a project.

- Objective Setting: Clarification of the exact requirements of the customer, conditions under which the project needs
 to be executed, local conditions and laws, risks, and opportunities. This will provide clarity of understanding between
 the two organizations from which a set of performance and stage metrics can be established that can control the
 project and ensure successful execution.
- Program Management & Resource Planning: Establish a detailed Program, by area, to identify key milestones and sub-activities to prove the timetable and where necessary, accelerate it. This controlling document is at the heart of the Program and will provide the day-to-day control as well as the communication to all the key stakeholders. Again, FES has considerable experience in this area with a practical understanding of how long activities should take together with in-house personnel experience of these disciplines.
- **Project Management:** Having undertaken major scaled projects, FES has a team of experienced project managers to coordinate all activities efficiently. This position will be key for the success of the project, and FES' bench depth means that contingency resources to deal with any eventuality.
- Internal Processes & Control: The site requirements associated with the above processes are complemented by a strong back-of-house operational team and function. FES has developed a fully proprietary end-to-end operating platform named Atria. This is at the heart of all FES operations and controls all processes from order through to installation completion, commissioning, and maintenance. This means that all of its activities are coordinated and communicated, such that at any point in time, FES has a clear sight of project status and where the individual elements lie. It is therefore an easily auditable process facilitating control and accurate project.
- Finance: A project of this scale means that only a company of financial and operational substance can undertake the works. FES has a forward income book of \$150m affording financial security, complemented with blue-chip funding from Deutsche Bank. Implementing large scale projects, specifically in lighting and their funding, means FES has a unique combination of providing a system with confidence as well as the executive financing making it an attractive proposition. This ensures that the energy and carbon savings are achieved in practice.







• **Subcontractors & Labor:** A key element of FES' service excellence lies in its long-standing collaborations with its partner electrical installation teams. All staff have requisite experience and electrical qualifications. FES will work to utilize local labor to deliver the installation, thereby benefitting the local business community and supporting local job creation and maintenance

In executing this, FES has a number of processes that it goes through in order to bring to bear a positive result for its customers. Elements include:

- The gathering of all lighting fixture quantities, current existing wattages, burning hours and current kWh rate to serve as the benchmark to derive the energy savings.
- The lighting objective that needs to be achieved post-upgrade, with a detailed review of a wide range of products that maximize the energy reduction and carbon savings. FES' in-house Engineering team will be tasked with specifying the appropriate replacements to achieve the utmost energy savings without sacrificing lighting levels.
- The programming and sourcing of such lights to achieve an optimal rollout Program, with reduction in energy through an accelerated Program and associated green credentials.
- FES equipment and processes at both home office and on-site are geared towards achieving carbon neutrality and operational excellence, and so the culture is ingrained throughout the business and translated into the Customer site. This manifests itself via a Project Management team's commitment to having a finger on the pulse with the on-site electrical contractors, as well as shielding the client from concerns of the day to day activities required to complete the project in a professional and satisfactory manner.
- · Adaptable to Customer protocol post-install to streamline an effective maintenance process to maintain a well-lit City

The FES solution is scalable and can be easily incorporated into a wide-ranging number of potential sites, if included in a project scope, meaning that further energy reduction and ecological benefits can be realized. FES' extensive experience means that it could cover gyms, police stations, detention facilities, street lights and administration buildings to name a few.

The successful implementation of the project requires close coordination with the customer. The FES resource plan above sets out a number of building blocks that will ensure the project is successful. These are as follows:

- Initial Discovery identify if there is a mutual fit between customer and FES
- Commercial Verification ensuring client viability
- Soft Audit information gathering
- Pre-Plan ensure no hurdles as it relates to replacement goods, and local contractor partner
- Custom Lighting Solution specification of LED light replacement
- Hard Audit verification of Soft Audit data via neutral 3rd party contractor
- Installation

The utilization of these tools with the requisite discovery meetings to uncover will allow both organizations to identify any key items that need to be overcome and/or can be anticipated.







As it relates to any needed resource from the customer to ensure a seamless operational partnership, by having the correct Program and liaison with the customer, FES will be able to work around any issues and/or mitigate them if they occur. The allocation of at least one manager who will coordinate with FES, in addition to understanding the structure and pivoting with us on the customer's side will enable FES to create a meshed team. This transparency of role will allow FES to communicate effectively and directly with those people who can assist FES and/or need to be informed.

As this is a true turn-key solution, once we receive the information required, such as lighting schedules, available dates/times to install, local jurisdiction requirements for lighting needs, FES personnel undertake the entire scope, so that customer's personnel may focus on their respective jobs on hand.

Peter Hawksworth - CEO, London, UK

Peter Hawksworth is CEO of FES' global operations. His wealth of commercial leadership experience has been instrumental in establishing FES as the leading funded lighting solution in the US and UK markets. Prior to joining FES, he spent 10 years as Global CEO of Siemens' Electronic Security Division and the previous 10 years building the UK's largest Electronic Security Rental Integrator and leading it to acquisition

Diane Craig - CFO, FL, USA

Diane Craig is FES USA's CFO with over 25 years of accounting and finance leadership, starting in public accounting at KPMG and then moving on to large public companies in the Electronics, Industrial Products, Contract Manufacturing and Aerospace industries, such as National Semiconductor, Roper Industries and Precision Castparts. Her financial business knowledge, strong ethics and experience in rapidly growing companies make her a great addition to FES leadership team. Her main responsibilities include financial stewardship, treasury and growth funding.

Marcus Brodin - COO, FL, USA

Marcus Brodin, COO of FES global operations, started the FES European business from scratch, and has been instrumental in the growth of and management of FES US. Following the success of FES Europe (which operated in over 8 different countries), Marcus has taken charge of US sales, marketing and operations. He has a proven track record in successful large scale LaaS transactions and leading growth strategies.

Wayne Burrell - Vice President of Sales, FL, USA

As FES' National Sales Director, Wayne Burrell is responsible for implementing and guiding the company's overall sales strategies to advance revenue growth and increase market share throughout the U.S. With a versatile sales and operations background, Burrell provides the balance to ensure solid execution of FES' processes with an upward growth mentality. He brings 20 years of experience in various sales and operations leadership roles.

Operations

- FES employs Auditors with over 6 years' experience to gather customer lighting inventory to ascertain an initial preinstall lighting cost baseline.
- FES employs Lighting Specifiers with 5 years' experience to undertake the task of custom-building the appropriate energy efficient lighting replacement, so as to meet the local jurisdiction requirements, as it relates to solutions such as reduced wattage while improving lighting levels, foot candle measurements and color temperature.







- FES employed Procurement Director with over 8 years' experience to collaborate with our manufacturing partners to ensure the accuracy in specifications and on-time delivery of materials.
- FES employed Project Management team with over 6 years' experience to oversee the day to day installation, with the specific daily goal of meeting set timelines, and ensuring minimal interruption on the City's operations. This team will serve as the liaison between the customer and the local certified electrical contractor retained by FES to execute the installation to ensure a smooth, seamless and on-time delivery.

FES employed Maintenance and Customer Service team with over 5 years' experience to personally handle all customer service and maintenance matters post-installation. Fully responsible for receipt of maintenance claim, shipment of materials, and dispatch of contractor with little involvement from customer's staff.

FES uses contractors for the following only:

- Audits of the customers' existing lighting setup. This information provides the FES engineers with the current fixtures to be upgraded to a more energy efficient LED alternative. The audits also provide insight into the condition of the lighting infrastructure on the site (wiring condition, safety, fixture and pole condition etc...). FES engineers also perform audits if necessary.
- Installation FES always relies on contractors to install and upgrade a customer's lighting system.
- Maintenance FES has in house staff to perform maintenance for local (Florida) projects but again relies on contractors to carry out maintenance of any FES lights across the other 41 states.

As FES relies on contractors for the essential activities of its operation, it has developed excellent relationships with contractor partners and has dedicated personnel who deal with contractor relationship and affiliate programs. FES is always seeking new contractor affiliates to join the FES network and will always be willing to work with a customer's preferred contractor. FES understands that the contractor is representing FES to the customer and therefore the quality of the FES – contractor relationship is paramount.

4.Company Financial Status

- a) This information has been redacted for the public copy of this document
- b) As FES provides fully funded lighting upgrades, the customer's capital expenditure is \$0. This would mean a bond as a percentage of the customer investment would always be valued at \$0. Furthermore, FES incurs all the risk on every project so historically does not require bonding. If a situation were to arise where a surety bond is required, our license provider, Coral Electric, would define our bond capacity and bond.

5. Marketing Approach

FES markets its services using multiple channels. Said channels include LinkedIn, trade shows and emailers. Most of FES's projects however, come through self-generated leads from in house Sales staff and referrals. FES would gladly collaborate with AOE on any future marketing proposals to spread sustainable environmental development and LaaS offerings across the state of Arkansas.







6. Reporting Approach

FES would assign a dedicated point of contact to AEO. In regards to contracts, these would all be provided by the senior sales representatives overseeing a specific project. The signed contracts are stored in FES' in house software, Atria. The senior sales representative would also present the Custom Lighting Solution (CLS) that is created by FES. The CLS contains the results from any M&V and audits. If M&V concludes discrepancies alongside the initial CLS, an addendum will be issued to the customer with revised numbers – this is then reviewed and signed by the customer.

7. Technical Approach

- a) FES performs a lighting audit on the existing lighting system of a given site. The audit must catalogue every light fixture to be upgraded by FES and requires details such as;
- Bulb type: CFL, Incandescent, Metal Halide, LED etc...
- Bulb wattage
- Fixture type: Tube, flood, recess can etc...
- Mounting: Wall mounted, bracket, cord and bracket etc...
- Lighting controls
- Quantity of lights that are not working
- Emergency lights
- Quantity

Every fixture will be recorded in every room/area that FES will upgrade. The auditors will then check the condition of the site's lighting infrastructure, light control rooms, power supplies and timers. Sample is appendix item '7. On site Audit Record'.

- b) Generally, factors that affect the effectiveness of illumination are quantity and quality of light, amount of flicker, amount of glare, contrast and shadows. Each factor must be adjusted differently to optimize illumination in emergency, safety, operations, and security situations. Industrial Lighting Standards serve to address these concerns, in addition to the plethora of other concerns associated with the design, placement, installation, and energy requirements of illumination in industrial workplaces. We are able to accommodate certain lighting requests or needs of the public entity after a thorough review of the impact the requested lighting will have on the above-mentioned factors.
- c) We dissect the lighting energy consumption of each project based on their current utility bulls which varies with each industry. We take hours of operation and the average price of electricity (cents per kWh based on current utility bills) into account, and perform a thorough lighting survey to confirm all existing system wattages and consumption. The public entity reviews the calculated baseline before and during signing the agreement to ensure validity.
- d) Typical factors that can impact the baseline include but are not limited to, current lighting outages, existing LED lighting, and non-existing lighting. When one of these factors are present, we are able to calculate the assumed/proposed consumption versus the true consumption by comparing the current electricity bills to our calculated baseline. We then generate a separate document, which to be presented to the public entity and signed if approved, that will have an exact breakdown of consumption difference, and the direct impact of these particular items will have on the electricity bill and agreement.







The experienced engineering team then design the Custom Lighting Solution (CLS). The engineers decide what energy efficient LEDs are suitable to replace existing fixtures based on wattage reductions and type of fixture, all while improving brightness and quality of light in the site environment.

8. Company Scope of Services

- Lighting systems FES provides energy efficient LED lighting upgrades for interior and exterior application.
- b) **Project Development and Implementation**

FES performs IGAs on every project as outlined in section 7 above. FES has extensive finance knowledge, especially regarding the nature of its own LaaS offering which is a fully funded program. FES' project management team identify and apply for any relevant rebates that a customer maybe entitles to as a result of the energy efficiency improvements. FES can install new fixtures if needed and specializes in retro fitting LED lighting fixtures. FES will dispose of all replaced fixtures safely and effectively. FES uses the initial audits to ensure the project is achievable. The FES engineers design the CLS to create the optimal lighting environment for a site's purpose. FES' in house Project Management team liaise directly with electrical subcontractors performing installation. If needed, Project Management will be in direct contact with the customer. FES employees an in house procurement specialist, who calculates all product and shipping costs. However, these costs are never taken on by the customer, who provide no capital outlay.

Support Services

After FES complete the LED lighting upgrade, the new energy consumption in relation to the lighting portion of energy costs is analyzed by engineers. If there are discrepancies between the pre installation CLS and the post installation M&V, an addendum will be issued on the signed ESA which will contain the correct savings incurred. As part of FES' LaaS offering, a 15-year maintenance warrantee is included. FES will oversee the maintenance and replacement of any FES fixtures for the duration of this contract. FES will gladly participate in the marketing efforts of a state or Federal EPC program. By upgrading lighting to more energy efficient LEDs, the reduction in energy costs is guaranteed. The only factor that could manipulate the future costs is energy inflation, but as the customer pays a fixed monthly rate across the 15-year period, FES incur the downside of rising utility costs. FES generates an insurance policy per project covering FES and the customer entity. This policy is generated after the ESA is signed. It is to the direction of the state (Arkansas) if they are to be named as a secondary insurer. FES supplies lighting and does not contribute to the construction/overall energy management of a building, it does not participate in the retrieval/application of Energy Star or LEED certifications. As FES oversees the maintenance of its own lighting fixtures, maintenance staff do not need to be trained as maintenance will be performed by FES engineers or licensed subcontractor affiliates.

9. Project History

See appendix item 'AEO Project History".







10. Project References

- 1. Archdioceses of Newark Newark, NJ, Private sector, School
- 2. S*** B*** Executive director (Contact info redacted for public edition)
- 3. Multiple schools. FES installed 7,579 fixtures overall.
- 4. Total Contract Value: \$3,763,310 / Total FES CapEx: \$301,560
- 5. Lighting as a Service, fully funded energy efficient Lighting Upgrade. FES paid for the initial replacement and installation of the new LED lights. FES then takes a share in the energy savings incurred by the customer.
- 6. 08 March 2019 08 March 2024
- 7. Energy Savings Agreement. 15 years.
- 8. All FES departments contribute to projects.
- 9. The project was completed on schedule.
- 10. Energy efficient LED lighting retrofit.
- 11. Projected % Energy saving (lighting): 66% based on KWh and lighting portion of energy costs.
- 12. FES audited the site and calculated current energy usage using customers KWh rate and all the lighting fixtures being used. All savings relate to the lighting portion of energy costs.
- 13. Actual % Energy saving (lighting): 75% (314,155 KWh to 80,651 KWh)/year as agreed to by the customer in the ESA.
- 14. Project Closed. 15-year maintenance period ongoing.
- 1. Baker County Jail Maclenny, FL, Municipal, Jail
- 2. M*** R*** C*** (Contact info redacted for public edition)
- 3. Jail attached to Sheriff's Office. 1,344 fixtures.
- 4. Total Contract Value: \$399,729 / Total FES CapEx: \$60,961
- 5. Lighting as a Service, fully funded energy efficient Lighting Upgrade. FES paid for the initial replacement and installation of the new LED lights. FES then takes a share in the energy savings incurred by the customer.
- 6. 5th November 2020 5th November 2035
- 7. Energy Savings Agreement. 15 years.
- 8. All FES departments contribute to projects.
- 9. The project was completed on schedule.
- 10. Energy efficient LED lighting retrofit.
- 11. Projected % Energy saving (lighting): 66% based on KWh and lighting portion of energy costs.
- 12. FES audited the site and calculated current energy usage using customers KWh rate and all the lighting fixtures being used. All savings relate to the lighting portion of energy costs.
- 13. Actual % Energy saving (lighting): 60% (648,134 KWh to 253,339 KWh)/year as agreed to by the customer in the ESA.
- 14. Project Closed. 15-year maintenance period ongoing.
- 1. **Montgomery County Jail** Crawfordsville, IN, Municipal, Jail
- 2. H*** C*** (Contact info redacted for public edition)
- 3. Jail attached to Sheriff's Office. 599 fixtures.
- 4. Total Contract Value: \$270,075 / Total FES CapEx: \$65,619
- 5. Lighting as a Service, fully funded energy efficient Lighting Upgrade. FES paid for the initial replacement and installation of the new LED lights. FES then takes a share in the energy savings incurred by the customer.
- 6. 24th January 2020 24th January 2035
- 7. Energy Savings Agreement. 15 years.







- 8. All FES departments contribute to projects.
- 9. The project was completed on schedule.
- 10. Energy efficient LED lighting retrofit.
- 11. Projected % Energy saving (lighting): 66% based on KWh and lighting portion of energy costs.
- 12. FES audited the site and calculated current energy usage using customers KWh rate and all the lighting fixtures being used. All savings relate to the lighting portion of energy costs.
- 13. Actual % Energy saving (lighting): 62.5% (433,272 KWh to 166,530 KWh)/year as agreed to by the customer in the ESA.
- 14. Project Closed. 15-year maintenance period ongoing.

See Appendix items '10.1, 10.2, 10.3'

11. Cost and Pricing

- a) FES audits a customer's existing lighting setup as part of the LaaS offering. The audit will come at no cost to the customer. The costing of the audit will be negotiated between FES' trusted contractor directly or performed by internal FES staff.
- b) FES provides customers with a fixed monthly fee payable for the duration of the 15-year period. The rate is fixed and therefore provides a hedge against fuel inflation for the customer, who keeps the upside of the energy savings.
- c) FES has an existing network of trusted contractors across 42 states who are used based on availability, location and cost. If a contractor is providing a quote that is deemed to high by FES' in house project management team, alternative quotes will be pursued, including outreach to new electrical contractors. Regardless of the equipment and labor costs, the customer will be sharing the monthly savings incurred via the LED lighting upgrade. Therefore, the equipment and labor costs have no effect on the amount of the monthly payments.
- d) FES is more than happy to cooperate with open book requests with the Arkansas Energy Office and any entity seeking an RFB.
- e) FES agrees to the terms set in the RFQ at '11.e'.



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	Tight / Strip Lights	Wattage	1	120		Recessed can ceiling hole diameter:		Fair	Round			10
	Olher:		<u> </u>		Width: 6 11 Length:			Need to be replaced	Tapered			
Hours	ADDITIONAL COMME	VIS:	Ell Recoss	Cans		Total fixture qty.: 26		Total lamp per fixture qly.	Lamp Outage		Total emergency fix	llure qly
포		_	₽ 100,0005	Cans		16			Power: Yes	INO G		
	Fixture		Lamp		Mounting	Placement	1	Color		Bracket and Po	le Information	
	Barn Light		Metal Halide: E26 / E39	Surface	Arm: Length	Ceiling		Aluminum	Brac	ket type	Fixtures p	per pole
1	/ Canopy Light		HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem	Ground	7	Black	Single		1	
Days:	Flood Light	1	LED	Slip Fitter	Threaded Knuckle: 1/2" 3/4"	Pole		Bronze	Double: 90°	180°	2	
٦'	Garage Light		Incandescent	Yoke	Hook & Cord Hook & Plug	Pole - Mid mount		Gray	Triple: 90°	120°180°	3	
- 1	High Bay	L	Halogen		Control type	Roof		White	Quad: 90°	180°	4	
	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:	Soffit		Other:	Other:	-	Olher	
ı	Recessed Cans		T5 / T8 / T12	Photocell: Manual:	Dimmable: Type: Bldg. Management System:	Wall		Fixture & Pole condition	Dell	Shape	Pole top & tenon	Fixture or pe
Ì	Wall Pack		Other:	Voltage	Fixture dimer	nsions	100	rixture & Pole condition	Poli	3 Snape	measurement	helght
	Troffers / Vapor	8		100	Diameter Depth:	Recessed can ceiling hole		Good	Square			00
2	Tight / Strip Lights Other:	Wattage	40~	120	Width: \2214 Length:	diameter:	\vdash	Fair Need to be replaced	Round Tapered			20
	ADDITIONAL COMMEN		L		Longin	Total fixture qly.:		Total lamp per fixture qty.:	Lamp Outage	s atv.:	Total emergency fix	ture ofv.:
Hours: 29						Total lixture qty		1	Power. Yes			455
\equiv	Fluture	_		T						Don't tourist	1-1-4	
.	Fixture Barn Light	-	Lamp Metal Halide: E26 / E39	Surface	Mounting Arm: Length	Placement Ceiling	-	Color	Deno	Bracket and Po	le Information Fixtures p	la
1	Canopy Light		HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem	Ground	+	Black	Single	көт тура	1	per pole
Days	/ Flood Light	1	LED	Slip Fitter	Threaded Knuckle: 1/2"3/4"	Pole	~	Bronze	Double: 90°	180°	2	
8	Garage Light	ť	Incandescent	Yoke	Hook & Cord Hook & Plug	Pole - Mid mount	+	Gray	Triple: 90°	120°180°	3	-
ı	High Bay	H	Halogen	Trono	Control type	Roof	_	White	Quad: 90°		(4)	_
t	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:	Soffit	+	Other:	Olher:		Other	
ł	Recessed Cans	\vdash	T5 / T8 / T12	Photocell:	Dimmable: Type:	/ Wall	_	000.		_		Fr. A
ŀ	Wall Pack	\vdash	Other:	Manual: Voltage	Bldg. Management System: Fixture dimer		200	Fixture & Pole condition	Pole	Shape	Pole top & tenon measurement	Fixture or pe
_	Troffers / Vapor		Other.	Voltage	*	r	_	Good	Square		1	_
E	Tight / Strip Lights	Wattage	20%	120	Diameter: Depth:	Recessed can ceiling hole diameter:		Fair	Round			12,
	Other:	_	20%	\perp	Width: Length:	Total fixture qty.:	ᆚ	Need to be replaced	Tapered		ļ	
Hours:		ITS:				Total fixture qty.:		Total lamp per fixture qty.:	Lamp Outage	s qty.:	Total emergency fix	ture qly.:



	-	udit Sheet [P	age	of]	Business Na		ocalion:							UTURE ENERGY SOLU	JTIONS
	D	ate:			Audilor Nan	ne:			Audilor Telephone:				Auditing Company:		
		Fixture		Lamp	5 5 10 1		Mounting		Placement		Color		Bracket and P	ole Information	
1	·Γ	Barn Light	Π	Metal Halide: E26 / E39	Surface		Arm; Lenglh		Ceiling		Aluminum	Bra	cket type	Fixtures (er pole
	L	Canopy Light		HPS: E26 / E39	Recessed		Pendant (Length): ChainStem		Ground	1	Black	Single		1	
P S Davs	1	Flood Light	1	LED	Slip Filter		Threaded Knuckle: 1/2" 3/4"		Pole	1	Bronze	Double: 90°	180°	2	
Shaps		Garage Light	┺	Incandescent	Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90°_	120°180°	(3)	
		High Bay		Halogen	74.9		Control type		Roof		White	Quad: 90°_	180°	4	
-6		Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:		Motion Sensor:		Soffit		Other:	Other:		Other	
way		Recessed Cans		T5 / T8 / T12	Photocell: Manual:	5	Dimmable: Type: Bldg, Management System:	1	Wall		Fixture & Pole condition	Po	le Shape	Pole top & tenon	Fixture or pol
3		Wall Pack	L	Other:	Voltage		Fixture dime	nslons			TIMES CT DIS CONCESSION		io dilapo	measurement	height
8 3	7	Troffers / Vapor Tight / Strip Lights	g		1,-0	Dia	meter: Depth:		Recessed can ceiling hole	-	Good Fair	Square Round			15
3 6	4	Other:	Wattage	7w	120	Wid	ith: Length:		diameter:	\vdash	Need to be replaced	Tapered		-	1)
177	AD	DITIONAL COMMEN	NTS:		-	1110			Total fixture qly.:	_	Total lamp per fixture qty.:	Lamp Outag	es atv.:	Total emergency fix	ture olv.:
Area: Entrant		- c	20'	20			* Bullet FL possible per	tionsial	1		1	Power: Yes			
	Т	Fixture	Т	Lamp	at receive		Mounting		Placement	i e	Color		Bracket and P	ole Information	
~		Barn Light	17	Metal Halide: E26 / E39	/ Surface	Т	Arm: Length	1	Ceiling	1	Aluminum	Bra	cket type	Fixtures p	er pole
1	1	Canopy Light	ť	HPS: E26 / E39	Recessed	\top	Pendanl (Length): Chain Stem		Ground	1	Black	Single		(1)	
Days:		Flood Light		LED	Slip Fitter		Threaded Knuckle: 1/2" 3/4"		Pole		Bronze	Double: 90°	180°	(2)	
°		Garage Light		Incandescent	Yoke		Hook & Card Hook & Plug		Pole - Mid mount	1	Gray	Triple: 90°	120°180°	(3)	
2		High Bay	Т	Halogen	- A W		Control type		Roof	T	White	Quad: 90°_	180°	(4)	
Rang		Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:		Motion Sensor:		Soffit	T	Olher:	Other:	_	Olher	
4		Recessed Cans		T5 / T8 / T12	Photocell: Manual:		Dimmable: Type: Bldg, Management System:		Wall		- I			Pole top & tenon	Fixture or pole
カナ	Г	Wall Pack	T	Other:	Voltage		Fixture dimer	nsions			Fixture & Pole condition	Po	le Shape	measurement	helght
Flor	Г	Troffers / Vapor	8	A 7	\	Dia	meter: Depth:		Recessed can ceiling hole	1	Good	Square			^^
2 3	\vdash	Tight / Strip Lights Other:	Wattage	250 W	150		lh: 13" Length:		diameter:	-	Fair Need to be replaced	Round Tapered		_	20
4	AD	DITIONAL COMMEN				VVIO	Cengui.	-	Total fixture qly.:	_	Total lamp per fixture qty:	Lamp Outag	es uhi :	Total emergency fix	ture alv :
Area: 273 Hours: 📆	10	wir soplaces		as entranceme	A COW60				3		notations por instanc dist.	Power: Yes	//		uro quy
A I	1	100	_									Tonici. 103	,,,o		
		Fixture	_	Lamp			Mounting		Placement		Color		Bracket and P	ole Information	
N		Barn Light	_	Metal Halide: E26 / E39	Surface	1	Arm: Length	1	Ceiling	1_	Aluminum		cket type	Fixtures p	er pole
م ہ	<u> </u>	Canopy Light	١,	HPS: E26 / E39	Recessed	_	Pendant (Length): Chain Stem	_	Ground	1	Black	Single		1	
OP Days:	-	Flood Light	1	LED	Slip Filter	+	Threaded Knuckle: 1/2" 3/4"		Pole	1	Bronze	Double: 90°		2	
	_	Garage Light	-	Incandescent	Yoke	_	Hook & Cord Hook & Plug	_	Pole - Mid mount	1	Gray	Triple: 90°_		3	
Kemp	⊩	High Bay	_	Halogen			Control type	_	Roof	/	White	Quad: 90°	_ 180°	4)	
V	L	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer: Photocell:		Motion Sensor:Type:		Soffil	_	Other:	Other:		Other	
6	L	Recessed Cans		T5 /(1) T12	Manuai:	,	Bldg. Management System:		Wall	1	Fixture & Pole condition	Po	le Shape	Pole top & tenon	Fixture or pole
7120 24	⊩	Wall Pack	_	Other:	Voltage	\perp	Fixture dimer	nslons		1		To.		measurement	height
- 1	1/	Troffers Vapor Tight Strip Lights	Wattage		120	Diar	neter Depth:		Recessed can ceiling hole	\vdash	Good Fair	Square Round		_	1 2 2
2 0		Other:	Wat	**	1 20	Wid	th: Length:		diameter:		Need to be replaced	Tapered			20
.: .: .:	ADI	DITIONAL COMMEN	ITS:		70				Total fixture qty.:		Total lamp per fixture qty.:	Lamp Outag		Total emergency fix	ture qty.:
Area: Hours;									Total lixture qty.: 2		2	Power: Yes	/No 2	0	
General C	omm	ents (If any electric	al wo	k needs to be done, pleas	e send a quote):						1			_	

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- 1	Audit Sheet [P.	age	of]	Business Na Auditor Nan	ame / Location:		Auditor Telephone:				Auditing Company:	JTURE ENERGY SOLU	JTIONS
	Date:			Auditor Nan	e:		Auditor Telephone:				Additing Company.		
	Fixture		Lamp		Mounting		Placement		Color		Bracket and P	ole Information	
ŀ	Barn Light		Metal Halide: E26 / E39	/ Surface	Arm: Length	_//	Ceiling		Aluminum		cket type	Fixtures ;	per pole
ŀ	Canopy Light	\perp	HPS: E26 / E39	Recessed	Pendant (Length): ChainStem		Ground		Black	Single		1	
ŀ	Flood Light	1	LED	Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	1	Bronze	Double: 90°		2	
ŀ	Garage Light		Incandescent	Yoke	Hook & Cord Hook & Plug	_	Pole - Mid mount	1.	Gray	Triple: 90°	120°180°	3	
ŀ	High Bay	\vdash	Halogen	100000	Control type	Hell	Roof	1	White	Quad: 90°_	180°	4	
L	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer: Photocell:	Motion Sensor: Dimmable: Type:		Soffil		Other:	Other:	_	Olher	
I	Recessed Cans		T5 / T12	Manual:	Bldg. Management System:		Wall		Fixture & Pole condition	Po	le Shape	Pole top & tenon	Fixture or
ľ	Wall Pack		Olher:	Voltage	Fixture dimen	nsions			PALLIF & POIS CONDITION		is Strape	measurement	heigh
ſ	Troffers / Vapor	B B			Diameter: Depth:		Recessed can ceiling hole		Good	Square		_	1
ŀ	Other:	Wattage		120			diameter:	-	Fair Need to be replaced	Round Tapered		-	20
ŀ	ADDITIONAL COMMEN	_			Width: Length:		Total fixture alv		Total lamp per fixture qty :	Lamp Outag	es alv	Total emergency fix	
ľ	New VAROS		र क्र				Total fixture qty		2_	Power: Yes	7		word diff.
T	Fixture	Г	Lamp		Mounting	-	Placement	-	Color	8. Ta - 1.5.	Bracket and P	ole Information	
ŀ	Barn Light		Metal Halide: E26 / E39	Surface	Arm: Length		Ceiling	+-	Aluminum	Bra	cket type	Fixtures (per pole
ŀ	Canopy Light	\vdash	HPS: E26 / E39	Recessed	Pendant (Length): ChainStem	_	Ground	+	Black	Single	71	(1)	Τ΄ -
ŀ	Flood Light		LED	Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	+	Bronze	Double: 90°	180°	2	
ŀ	Garage Light	\vdash	Incandescent	Yoke	Hook & Cord Hook & Plug	 	Pole - Mid mount		Gray	Triple: 90°_	120°180°	3	
ŀ	High Bay		Halogen		Control type	11/	Roof	17	White	Quad: 90°	180°	(4)	
	Shoe Box	\vdash	CFD & PL: E26 / 2P / 4P	Timer:	Molion Sensor:		Soffit	1	Other:	Other:		Olher	
	Recessed Cans		T5 / T8 / T12	Photocell:	Dimmable:Type:	- 1-7	Wall	+	Market markets		1100	Pole top & tenon	Fixture or
	Wall Pack		Other	Manual:	Bldg. Management System:	nsions	P COL		Fixture & Pole condition	Po	le Shape	measurement	heigh
4	Troffers / Vapor	0	Ollo		The same of the sa		1	+	Good	Square			1
	Tight / Strip Lights	Wattage	13 ~	120	2000 91 F 83		Recessed can ceiling hole diameter:		Fair	Round			3-6
4	Olher:		170		Width: Length:				Need to be replaced	Tapered		T-1-1	
	ADDITIONAL COMMEN	118:					Total fixture qly.:		Total lamp per fixture qty.:	Lamp Outag	-	Total emergency fix	lure qly.:
_		_					1 12 7			i ower. (Tes			
L	Fixture		Lamp	Zla /	Mounting		Placement	+	Color	P	Bracket and P	ole Information	
ŀ	Barn Light		Metal Halide: E26 / E39	/ Surface	Arm: Length	_	Ceiling	+-	Aluminum Black	Single	cket type	(1)	Jer pole
ŀ	Canopy Light	1	HPS: E26 / E39 LED	Recessed	Pendant (Length): ChainStem Threaded Knuckle: 1/2"3/4"	_	Ground	-	Bronze	Double: 90°	180°	(2)	-
ŀ	Flood Light Garage Light	/	Incandescent	Slip Fitter Yoke	Hook & Cord Hook & Plug	_	Pole - Mid mount	+/	Gray	Triple: 90°	120° 180°	(3)	-
H	High Bay	\vdash	Halogen	Toke	Control type		Roof	÷	White	Quad: 90°	180°	(4)	
L	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:	_	Soffit	+-	Other:	Other:	100	Other	-
П		-		Photocell:	Dimmable: Type:			-	Otilet.	Ollici.			
L	Recessed Cans	H	T5 / T8 / T12 Other:	Manual:	Bidg. Management System: Fixture dimen	eions	Wall	-	Fixture & Pole condition	Po	le Shape	Pole top & tenon measurement	Fixture or heigh
	/ Wall Back		Other.	* Ortage	i ixtere diliter	1310118		+	Good	Square			
	/ Wall Pack Troffers / Vapor	e		1	81								
	/ Wall Pack Troffers / Vapor Tight / Strip Lights	attage	18.1	MA	Diameter: Depth:		Recessed can ceiling hole		Fair	Round			24
	Troffers / Vapor	Na.	18 W	120	Diameter: Depth: Length: Length: Y W? 1/38 saglucana		diameter:Total fixture qty.:		Fair Need to be replaced Total lamp per fixture qty	Round Tapered Lamp Outag		Total emergency fix	<u> </u>



A	udit Sheet [Pa	age	of]		Business Na	me / Location:		12			€ FI	UTURE ENERGY SOLU	JTIONS
D	ate:				Auditor Name	e:		Auditor Telephone:		P	uditing Company:		
T	Fixture	П	Lamp	I	OLVER 1	Mounting		Placement	Color		Bracket and P	ole Information	
Г	Barn Light		Metal Halide: E26 / E39	Т	Surface	Arm: Length		Ceiling	Aluminum	Brack	et type	Fixtures p	per pole
L	Canopy Light		HPS: E26 / E39		Recessed	Pendant (Length): Chain Stem		Ground	Black	Single		1	
L	Flood Light		LED		Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	Bronze	Double: 90°	180°	2	
L	Garage Light		Incandescent	\perp	Yoke	Hook & Cord Hook & Plug		Pole - Mid mount	Gray	Triple: 90°	120°180°	3	
L	High Bay		Halogen		5 577	Control type	57.00	Roof	White	Quad: 90°	180°	(1)	
L	Shoe Box		CFL & PL: E26 / 2P / 4P		ner: olocell:	Motion Sensor	$> \le$	Soffit	Other:	Other:		Other	
L	Recessed Cans		T5 / T8 / T12		nual	Bldg. Management System:		Wall	Fixture & Pole condition	Pole	Shape	Pole top & tenon	Fixture or
L	Wall Pack	L	Olher:		Voltage	Fixture di	Imensions		1777-171-2 (777) 10 (100-2-0)		onapo .	measurement	helgh
ı	Troffers / Vapor Tight / Strip Lights	Wattage		+		Diameter: Depth:		Recessed can ceiling hole	Good Fair	Square Round		-	
H	Other:	Watt				Width:		diameter:	Need to be replaced	Tapered		=	
ΑĒ	DITIONAL COMMEN	_				25.3		Total fixture qty.:	Total lamp per fixture qty.:	Lamp Oulages	qty.:	Total emergency fix	ture qty.:
								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2462	Power: Yes / N			
_	Fixture	1	Lamp	1		Mounting		Placement	Color		Drocket and D	ole Information	
Н	Barn Light	\vdash	Metal Halide: E26 / E39	+	Surface	Arm: Length		Ceiling	Aluminum	Brack	et type	Fixtures p	ner nole
	Canopy Light		HPS: E26 / E39	+	Recessed	Pendant (Length): Chain Slem		Ground	Black	Single	or type	(1)	Jer polo
-	Flood Light	1	LED	+	Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	Bronze	Double: 90°	180°	(2)	
	Garage Light		Incandescent	+	Yoke	Hook & Cord Hook & Plug		Pole - Mid mount	Gray		120°180°	3	
	High Bay		Halogen			Control type		Roof	White	Quad: 90°		(4)	
	Shoe Box	T	CFL & PL: E26 / 2P / 4P		ier:	Motion Sensor:		Soffit	Other:	Other:		Other	
_	Recessed Cans	H	T5 / T8 / T12		otocell: nual:	Dimmable: Type: Bldg. Management System:	-	Wall				Pole top & tenon	Fixture or
	Wall Pack	Н	Other:	IVIGI	Voltage		Imensions	30000	Fixture & Pole condition	Pole	Shape	measurement	helght
Т	Troffers / Vapor	8		\top		Diameter: Depth:		Recessed can ceiling hole	Good	Square			
-	Tight / Strip Lights Other:	Wattage	150	1	120	Width: 10.51 Length:		diameter:	Fair	Round		_	l
ΔD	DITIONAL COMMEN	_				Twidtii. 10 - 7 Lengui.		Total fixture qly.:	Need to be replaced Total lamp per fixture qty.:	Lamp Outages	nly b	Total emergency fix	ture alv
	BITTOTIAL GOTTINE							Total lixture quy	Total lamp per lixture qty	Power: Yes / N		Total enlergency lix	tore qty
_		_		_									
_	Fixture	U.	Lamp			Mounting		Placement	Color			ole Information	
_	Barn Light	_	Metal Halide: E26 / E39	1	Surface	Arm: Length	/	Ceiling	Aluminum		et type	Fixtures p	per pole
-	Canopy Light	-	HPS: E26 / E39	╀	Recessed	Pendant (Length): Chain Stem		Ground	Black	Single	4000	(1)	-
H	Flood Light	/	LED	+	Slip Fitter	Threaded Knuckle: 1/2"3/4"	_	Pole	Bronze	Double: 90° Triple: 90°		2	
H	Garage Light	_	Incandescent		Yoke	Hook & Cord Hook & Plug		Pole - Mid mount Roof	Gray White	Quad: 90°		(4)	-
-	High Bay		Halogen	Tim	er:	Control type Molion Sensor:					100		
_	Shoe Box	1	CFL & PL: E26 / 2P / 4P		otocell:	Dìmmable: Type:	-	Soffit	Other:	Other:		Olher	
	Recessed Cans	1	T5 /T8/ T12	Mar	nual:	Bldg. Management System:	<u> </u>	Wall	Fixture & Pole condition	Pole	Shape	Pole top & tenon measurement	Fixture or height
_	Wall Pack	9	Other:	+	Voltage		Imensions		Good	Square		1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<u> </u>
	Troffers / Vapor	5		1	20	Diameter: Depth:		Recessed can ceiling hole diameter:	Fair	Round			15
/	Troffers / Vapor Tight / Strip Lights	鲁	1					dianietei	Need to be replaced	Tapered			1~
/	Tight Strip Lights Other:	Wattage		Τ,	40	Width: Length:							
/ AD	Tight Strip Lights			1,	40	Width: Length:		Total fixture qly.:	Total lamp per fixture qty.:	Lamp Outages	11	Total emergency fix	lure qly.:

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	Audit Sheet [Page of]				Business Na	ne / L	ocation:						€ FL	TURE ENERGY SOLU	ITIONS	
	Di	ate:				Auditor Name	9:			Auditor Telephone:				Auditing Company:		
gn	Т	Fixture	18	Lamp		i i e e		Mounting		Placement	1 =	Color	- E	Bracket and P	ole Information	12.0
2nd-3flor Lading		Barn Light		Metal Halide: E26 / E39	17	Surface		Arm: Length	1	Ceiling	T	Aluminum	В	racket type	Fixtures p	er pole
3	1	Canopy Light		HPS: E26 / E39		Recessed		Pendant (Length): Chain Stem		Ground		Black	Single		1	
2Flor Days		Flood Light		LED		Slip Filler		Threaded Knuckle: 1/2" 3/4"		Pole		Bronze	Double: 90)°180°	(2)	
1 n		Garage Light		Incandescent		Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90°	120°180°	3	
2.0		High Bay		Halogen		35 PM	W,	Control type		Roof	/	White	Quad: 90°	180°	4)	
		Shoe Box		CFL & PL; E26 / 2P / 4P	Time			Motion Sensor:		Soffit		Other:	Other:		Other	
Stainer	Г	Recessed Cans		T5 / T8 / T12	Man	tocell: ual:		Dimmable: Type: Bldg, Management System:		Wall		Claring & Bala sangular		Pole Shape	Pole top & tenon	Fixture or pole
12		Wall Pack		Other: IN D		Voltage		Fixture dimensi	ions		7_	Fixture & Pole condition		ole attabe	measurement	height
l .	Г	Troffers / Vapor	ag		Т		Dian	neler: Depth:		Recessed can ceiling hole	\top	Good	Square			Ani
East 12	\vdash	Tight / Strip Lights	Wattage		1	20	L.			diameter:	\vdash	Fair	Round			20
ui ~	100	Olher: DITIONAL COMMEN	_		_		Widl	h: Length;		Total fixture qty.:		Need to be replaced Total lamp per fixlure qty.:	Tapered Lamp Out	naos alu:	Total emergency fix	
Area: Hours:		.D	13.							Total lixture diy		Total lating per lixture qty	Power: Y	A \	O Italian enlargency lix	ture qty
	Т	Fixture		Lamp	Т		100	Mounting		Placement	T	Color	The K	Bracket and P	ole Information	
		Barn Light	Т	Metal Halide: E26 / E39		Surface	Г	Arm: Length	1	Ceiling	1	Aluminum	В	racket type	Fixtures p	er pole
		Canopy Light	Г	HPS: E26 / E39	1	Recessed		Pendant (Length): Chain Stem		Ground	1	Black	Single		1)	
Days:		Flood Light	1	LED	1	Slip Fitter		Threaded Knuckle: 1/2" 3/4"		Pole		Bronze	Double: 90)° 180°	2	
		Garage Light	ĺ	Incandescent		Yoke		Hook & Cord Hook & Plug		Pole - Mid mount	1	Gray	Triple: 90°	120° 180°	3	
١,		High Bay	Г	Halogen	21	100		Control type	9	Roof	1	White	Quad: 90°	180°	4	
2	Г	Shoe Box	Г	CFL & PL: E26 / 2P / 4P	Time			Molion Sensor:		Soffit	T	Other:	Other:		Olher	
3	r	Recessed Cans	Г	T5 / T8 / T12	Pho Man	ocell:		Dimmable: Type: Bldg_Management System:		Wail	3.				Pole top & tenon	Fixture or pole
Elevador	H	Wall Pack	Т	Olher	1000	Voltage		Fixture dimensi	lons	53		Fixture & Pole condition		Pole Shape	measurement	helght
_		Troffers / Vapor	8	1.0		4.0	Dian	neter: Depth:		Recessed can ceiling hole	┰	Good	Square			00
East	\vdash	Tight / Strip Lights Other:	Wattage	100	\	10	Midt	h: 21 Lenglh:		diameter:		Fair Need to be replaced	Round Tapered			89
TT)	AD	DITIONAL COMMEN	TQ.	L			, , idi	Longui		Tolal fixlure gly.:		Total lamp per fixture qty.:	Lamp Oula	ages glv.:	Total emergency fix	ure alv.:
Area: Hours:			N	1216						6		The second secon	Power: Y	()		49.0
	T	Fixture		Lamp				Mounting	7. 11	Placement	T	Color	4	Bracket and P	ole Information	
		Barn Light		Metal Halide: E26 / E39	17	Surface	Т	Arm: Length	17	Ceiling	1	Aluminum	В	racket type	Fixtures p	er pole
		Canopy Light		HPS: E26 / E39	Ť	Recessed		Pendant (Length): Chain Stem		Ground		Black	Single		1	
Ro. J. Days:	Г	Flood Light	7	LED	П	Slip Fitter	Г	Threaded Knuckle: 1/2" 3/4"		Pole		Bronze	Double: 90)° 180°	2	
20		Garage Light		Incandescent		Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90°	120° 180°	3	
.4		High Bay		Halogen				Control type		Roof	/	White	Quad: 90°	180°	4	
S		Shoe Box		CFL & PL: E26 / 2P / 4P	Time			Motion Sensor:		Soffit		Other:	Other:	-	Other	
Strictors		Recessed Cans	s T5	T5 (T8) T12	Man	ocell:		Dimmable: Type: Bldg_Management System:		Wall		Fixture & Pole condition		Pole Shape	Pole top & tenon	Fixture or pole
2		Wall Pack		Olher:	0	Voltage		Fixture dimensi	lons			Pixture & Pole Collumon		Ole Silape	measurement	helght
		Troffers / Vapor	eg.		Γ	20	Dian	neter: Depth:		Recessed can ceiling hole		Good	Square		_	0.0
73W	\vdash	Tight Astrip Lights Other:	Wattage	22 W		20	Widt	h: LengIh:		diameter:	\vdash	Fair Need to be replaced	Round Tapered		-	8ft
ي کا	ADI	DITIONAL COMMEN	_				Y VICE	Longan	_	Total fixture qty.:		Total lamp per fixture qty.:	Lamp Out	ages ofv	Total emergency fix	ture atv.:
Area: Hours:										77"		2	Power: Y			- 17-
	omm	ents (If any electric	al wo	rk needs to be done, pleas	e sen	d a quote):							(4			

- 1	Audit Sheet [I	Pag	e of]		me / Location:				UTURE ENERGY SOLL	JTIONS
, J	Date:			Audilor Nam	0:	Audilor Telephone:		Auditing Company		
	Fixture		Lamp		Mounting	Placement	Color	Bracket and	Pole Information	3.54
-1	Barn Light		Metal Halide: E26 / E39	Surface	Arm: Length	Ceiling	Aluminum	Bracket type	Fixtures p	per pole
	Canopy Light		HPS: E26 / E39	Recessed	Pendant (Length): ChainStem	Ground	Black	Single	1	
Days	Flood Light		LED	Slip Filter	Threaded Knuckle: 1/2"3/4"	Pole	Bronze	Double: 90°180°	(2)	
۱ -	Garage Light		Incandescent	Yoke	Hook & Cord Hook & Plug	Pole - Mid mount	Gray	Triple: 90°120°180°	3	
- [High Bay		Halogen		Control type	Roof	White	Quad: 90°180°	4)	
	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:	Soffit	Other:	Other:	Other	
Ī	Recessed Cans		T5 / T8 / T12	Photocell: Manual:	Dimmable: Type: Bldg_Management System:	Wall			Pole top & tenon	Fixture or pole
l	Wall Pack		Olher: E12	Voltage	Fixture dime	nsions	Fixture & Pole condition	Pole Shape	measurement	height
ſ	Troffers / Vapor	9			Diameter: Depth:	Recessed can ceiling hole	Good	Square		
H	Tight / Strip Ligh	Mattage	(60m	120		diameter:	Fair	Round		
l	Olher:ADDITIONAL COMM	_			Width: Length:		Need to be replaced	Tapered	4	
	Dave Fun		bulk a his a	<u></u>		Total fixture qty:	Total lamp per fixture qty.:	Lamp Outages qty Power: Yes / No 12	Total emergency fix	ture qly.:
Ĭ	Das Frac	346	pry smal on	J		128/	<u> </u>	Power: (e) / No		
Π	Fixture		Lamp	1 54.5	Mounting	Placement	Color	Bracket and F	ole Information	30.
	Barn Light		Metal Halide: E26 / E39	/ Surface	Arm: Length	Ceiling	Aluminum	Bracket type	Fixtures p	per pole
L	/ Canopy Light		HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem	Ground	Black	Single	(1)	
s e	Flood Light	1	LED	Slip Fitter	Threaded Knuckle: 1/2" 3/4"	Pole	Bronze	Double: 90° 180°	(2)	
, [Garage Light		Incandescent	Yoke	Hook & Cord Hook & Pług	Pole - Mid mount	Gray	Triple: 90° 120° 180°	(3)	
	High Bay		Halogen		Control type	Roof	White	Quad: 90°180°	(4)	
ſ	Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:	Soffil	Other:	Other:	Other	
ı	Recessed Cans	\top	T5 / T8 / T12	Photocell: Manual:	Dimmable: Type:	Wali	THE PARTY NAMED IN	FREEZE STATE	_	Fluture
ŀ	Wall Pack	+	Olher:	Voltage	Bidg, Management System:		Fixture & Pole condition	Pole Shape	Pole top & tenon measurement	Fixture or pole height
t	Troffers / Vapor	28			Diameter: Depth:		Good	Square		
ŀ	Tight / Strip Light	Wattage	154		10 h	Recessed can ceiling hole diameter:	Fair	Round		1724
ŀ	Other:		1.7%		Width: 13" Length:		Need to be replaced	Tapered		
Sinoul P	ADDITIONAL COMME	53	0 . 1			Total fixture qty.:	Total lamp per fixture qty.:	Lamp Outages qty.:	Total emergency lix	ture qty.:
<u>- 1</u>	00 10	21)	Replacemen			6		Power: Yes / No		
I	Fixture	Т	Lamp		Mounting	Placement	Color	Bracket and F	ole Information	11.5
	Barn Light	1	Metal Halide: E26 / E39	/ Surface	Arm: Length	/ Ceiling	Aluminum	Bracket type	Fixtures p	er pole
-10	Canopy Light		HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem	Ground	Black	Single	1	
S E	Flood Light		LED	Slip Fitter	Threaded Knuckle: 1/2"3/4"	Pole	Bronze	Double: 90° 180°	2	
	Garage Light	1	Incandescent	Yoke	Hook & Cord Hook & Plug	Pole - Mid mount	Gray	Triple: 90° 120° 180°	3	
, [0 0		Halogen		Control type	Roof	White	Quad: 90°180°	(4)	
, [High Bay				Motion Sensor:		Olher:	Olher:	Olher	
			CFL & PL: E26 / 2P / 4P	Timer:		Soffit	Other.			
	High Bay		CFL & PL: E26 / 2P / 4P T5 / T8 / T12	Timer: Photocell: Manual:	Dimmable: Type: Bldg. Management System:	Soffit Wall			Pole top & tenon	Fixture or pole
	High Bay Shoe Box Recessed Cans Wall Pack			Photocell:	Dimmable: Type:	Wall	Fixture & Pole condition	Pole Shape		Fixture or pole height
	High Bay Shoe Box Recessed Cans Wall Pack Troffers / Vapor	908	T5 / T8 / T12 Other:	Photocell: Manual: Voltage	Dimmable: Type: Bldg. Management System:	Wall	Fixture & Pole condition	Pole Shape	Pole top & tenon	
	High Bay Shoe Box Recessed Cans Wall Pack	Wattage	T5 / T8 / T12	Photocell: Manual:	Dimmable:Type:Bldg. Management System:	Wall	Fixture & Pole condition Good Fair	Pole Shape Square Round	Pole top & tenon	
	High Bay Shoe Box Recessed Cans Wall Pack Troffers / Vapor Tight / Strip Light	¥8	T5 / T8 / T12 Other:	Photocell: Manual: Voltage	Dimmable: Type: Bldg. Management System: Fixture dimer	Wall Recessed can ceiling hole	Fixture & Pole condition	Pole Shape	Pole top & tenon	helght 15

1	Audit Sheet [Pa	age	of]		me / Location:		Audilor Telephone:			Auditing Company:	URE ENERGY SOLU	TIONS
	Date:			Auditor Nam	e:		Auditor relephone:			Additing Company.		
\neg	Fixture		Lamp		Mounting		Placement	Color		Bracket and Pol	e Information	
. [Barn Light	Г	Metal Halide: E26 / E39	Surface	Arm: Length	/	Ceiling	Aluminum	Bra	cket type	Fixtures p	er pole
\	/ Canopy Light		HPS: E26 / E39	/ Recessed	Pendant (Length): Chain Stem	-	Ground	Black	Single		1	
Days	Flood Light		LED	Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	Bronze	Double: 90°	180°	2	
]	Garage Light		incandescent	Yoke	Hook & Cord Hook & Plug		Pole - Mid mount	Gray	Triple: 90°	120°180°	3	
-[High Bay		Halogen	(- 1+1) E	Control type	1000	Roof	/ White	Quad: 90°_	180°	4)	
- [Shoe Box		CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:		Soffit	Other:	Other:		Olher	
- 1	Recessed Cans		T5 / T8 / T12	Photocell: Manual:	Dimmable: Type: Bldg. Management System:		Wall	Fixture & Pole condition	Da	e Shape	Pole top & tenon	Fixture or pole
ı	Wall Pack	T	Other:	Voltage	Fixture dime	ensions		Fixture & Pole Condition	ru	e Snape	measurement	height
Ţ	Troffers / Vapor	8			Diameter: Depth:		Recessed can ceiling hole	Good	Square			1 -
7	Tight / Strip Lights	Wattage	120	1	011		diameter:	Fair	Round		-	110 1
	Ölher:	_	1 ,- ,		Width: B Length:			Need to be replaced	Tapered		Tatal amazana w 6w	
Hours:	ADDITIONAL COMMEN	115: [SR BR	. 38 Lamp	use 6"		Total fixture qty.:	Total lamp per fixture qty.:	Lamp Outage		Total emergency fix	ture qty _i ;
윈		*	are Div and	· 10 mile	V): 0		0		Power: Yes	TNO C		
Т	Fixture	Т	Lamp	W	Mounting	0-13	Placement	Color	13 Lb0 124	Bracket and Pol	e Information	
. I	Barn Light	\vdash	Metal Halide: E26 / E39	Surface	Arm: Length		Ceiling	Aluminum	Bra	cket type	Fixtures p	er pole
\	Canopy Light	T	HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem		Ground	Black	Single		1)	
ays:	Flood Light	17	LEO	Slip Fitter	Threaded Knuckle: 1/2" 3/4"		Pole	Bronze	Double: 90°	180°	2	
ا ۃ	Garage Light	ť	Incandescent	Yoke	Hook & Cord Hook & Plug		Pale - Mid mount	Gray	Triple: 90°_	120° 180°	3	
ı	High Bay	T	Halogen		Control type		Roof	White	Quad: 90°_	_180°	4)	
Days:	Shoe Box	Т	CFL & PL: E26 / 2P / 4P	Timer:	Molion Sensor:		Soffit	Other:	Other:		Other	
ŀ	Recessed Cans	1	T5 / /(3) T12	Photocell: Manual:	Dimmable: Type: Bldg., Management System:		Wall		100	711	Pole top & tenon	Fixture or pole
ŀ	Wall Pack	⊬	Other:	Voltage	Fixture dime	ensions		Fixture & Pole condition	Po	e Shape	measurement	height
ŀ	Troffers / Vapor	e e		10111190		0,10,10,10		Good	Square			
1	Tight / Strip Lights	Wattage	220	120			Recessed can ceiling hole diameter:	Fair	Round			105
– L	Other:	_			Width: Length:			Need to be replaced	Tapered	27	Tabal and a second first	
Hours	ADDITIONAL COMMEN	115:			10 Barrant	Tour.	Total fixture gty.:	Total lamp per fixture qty.:	Power: Yes	es qly / No	Total emergency fix	tore qty
Т	Fixture	Г	Lamp	- 40 IF F	Mounting	- 14 17	Placement	Color		Bracket and Pol	e Information	
ı	Barn Light	Т	Metal Halide: E26 / E39	Surface	Arm: Length		Ceiling	Aluminum	Bra	cket type	Fixtures p	er pole
ıŤ	Canopy Light	Т	HPS: E26 / E39	Recessed	Pendant (Length): Chain Stem		Ground	Black	Single		1	
Days	Flood Light	Т	LED	Slip Filter	Threaded Knuckle: 1/2" 3/4"		Pole	Bronze	Double: 90°	180°	2	
<u>ا</u> ۾	Garage Light	Г	Incandescent	Yoke	Hook & Cord Hook & Plug		Pole - Mid mount	Gray	Triple: 90°	120°180°	3	
ı	High Bay	Т	Halogen		Control type	N. T	Roof	White	Quad: 90°	180°	4)	
ı	Shoe Box	T	CFL & PL: E26 / 2P / 4P	Timer:	Motion Sensor:		Soffil	Other:	Other:		Other	
ŀ	Recessed Cans	\vdash	T5 / T8 / T12	Photocell:	Dimmable:Type:		Wall				Pole top & tenon	Fixture or pole
ŀ	Wall Pack		Other:	Manual: Voltage	Bldg. Management System:	anglong		Fixture & Pole condition	Po	e Shape	measurement	helght
ŀ	Troffers / Vapor	a	Ollier	Voltage		dilotolia	200	Good	Square			
	Tight / Strip Lights	Wattage		I	Diameter: Depth:		Recessed can ceiling hole diameter:	Fair	Round			
		1 2			Width: Length:		N ===	Need to be replaced	Tapered			
	Other:	_					Total fixture qty	Total lamp per fixture qly.:	Lamp Outag		Total emergency fix	

	-	dit Sheet [Pa	age	of]		Business Na		ocation:		·					TURE ENERGY SOLU	TIONS
	Da	te:				Audilor Nam	ie:			Auditor Telephone:				Auditing Company:		
		Fixture		Lamp				Mounting	. 17	Placement		Color		Bracket and P	ole Information	100
N		Barn Light		Metal Halide: E26 / E39	17	Surface	Τ	Arm: Length	- 1	Ceiling	T	Aluminum	Br	acket type	Fixtures p	er pole
		Canopy Light		HPS: E26 / E39		Recessed		Pendant (Length): Chain Stem		Ground		Black	Single		1)	
Days:	Ш	Flood Light	1	l,ED		Slip Fitter		Threaded Knuckle: 1/2"3/4"		Pole		Bronze	Double: 90°	180°	2	
: "		Garage Light		Incandescent	L	Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90°_	120° 180"	3	
Da		High Bay		Halogen		Y LV		Control type		Roof	1/	White	Quad: 90°	180°	4	
:		Shoe Box		CFL & PL: E26 / 2P / 4P	Tim			Motion Sensor:		Soffit		Other:	Olher:		Other	
		Recessed Cans		T5 (T8)/ T12		tocell:		Dimmable: Type: Bldg, Management System:		Wall	91	Fixture & Pole condition		ole Shape	Pole top & tenon	Fixture or pole
		Wall Pack		Other:		Voltage		Fixture dime	nsions		7	PIXTURE & POIS CONDITION		ole Snape	measurement	height
57		Troffers (Vapor)	8	0.0.	Т		Diar	meter: Depth		Recessed can ceiling hole	Т	Good	Square			~
0	Н	right / Strip Lights	Wattage	22W	1		1			diameter:		Fair	Round		-	8
(1	ADD	Olher:	_		┸		Wid	lh: Length:		Total fixture alu:		Need to be replaced Total lamp per fixture qty.:	Tapered Lamp Outag	noe alu :	Total emergency fix	
Hours	الإلكام	THOUSE COMMEN	13.							Total fixture qly.:		2	Power: Ye		Total enlergency lixt	are qty
	Г	Fixture		Lamp	Т	XLI D		Mounting		Placement	Т	Color		Bracket and P	ole Information	
Λ		Barn Light		Metal Halide: E26 / E39	\top	Surface	T	Arm: Length		Ceiling	T	Aluminum	Br	acket type	Fixtures p	er pole
		Canopy Light	9	HPS: E26 / E39	\top	Recessed	1	Pendant (Length): ChainStem		Ground	\top	Black	Single		1	
Days:		Flood Light	7	LED		Slip Filter		Threaded Knuckle: 1/2" 3/4"		Pole	T	Bronze	Double: 90°	180°	2	
Δ		Garage Light		Incandescent		Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90°_	120° 180°	3	
		High Bay		Halogen				Control type		Roof	T	White	Quad: 90°	180°	4)	
		Shoe Box		CFL & PL: E26 / 2P / 4P	Tim			Molion Sensor:	\neg	Soffit	T	Olher:	Other:		Olher	
		Recessed Cans		T5 //T8 X T12		locell:		Dimmable: Type: Bldg, Management System:		Wall		8 - 8 - 9	T		Pole top & tenon	Fixture or pole
		Wall Pack		T5 / (18) T12	Widi	Voltage	Т	Fixture dime	nsions	THE RESERVE TO SERVE		Fixture & Pole condition	P	ole Shape	measurement	helght
		Troffers / Vapor	9		+		Diar	meter: Depth:		Deceased one calling halo		Good	Square			
イン		Tight / Strip Lights	Wattage	224			1			Recessed can ceiling hole diameter:		Fair	Round			8
	ADD	Other:ITIONAL COMMEN	_	1200	\perp		Wid	th Length:		Total fixture qty.:		Need to be replaced Total lamp per fixture qty.:	Tapered Outer	an ah :	Total emergency fixt	
Hours	ADD	I HONAL COMMEN	13.							Total lixture div.		2—	Lamp Outag		Total enlergency lix	are quy
Ĭ			_		_						_		I OWEL. TE			
		Fixture		Lamp	1			Mounting		Placement		Color			ole Information	
	_	Barn Light		Metal Halide: E26 / E39	\vdash	Surface		Arm: Length	_/	Ceiling	Ι,	Aluminum		acket type	Fixtures p	er pole
'n	50	Салору Light		HPS: E26 / E39	\vdash	Recessed		Pendant (Length): ChainStem	_	Ground	1/	Black	Single	4000	1	
Days	_	Flood Light	1	LED	⊢	Slip Filler	-	Threaded Knuckle: 1/2"3/4"	-	Pole	+	Bronze	Double: 90°		2	
	_	Garage Light	H	Incandescent	⊢	Yoke	_	Hook & Cord Hook & Plug	_	Pole - Mid mount	+	Gray	Triple: 90°_ Quad: 90°_	120° 180°	3	
	_	High Bay	_	Halogen	Tim			Control type Motion Sensor:		Roof	- 1	White		180*	4	
بع		Shoe Box		CFL & PL: E26 / 2P / 4P		tocell:		Dirmable: Type:	-	Soffit	_	Other:	Olher:		Other	
S		Recessed Cans		T5 / T8 / T12		ual:		Bldg Management System:		Wall		Fixture & Pole condition	Pe	ole Shape		Fixture or pole
2		Wall Pack		Other:		Voltage		Fixture dime	nsions			THE STATE OF	K., 3 TEV		measurement	helght
3		Troffers / Vapor Tight / Strip Lights	age		L	20	Diar	neter: Depth:		Recessed can ceiling hole	\vdash	Good	Square Round			
		Olher:	Wattage	92	1		Wid	th: Length:		diameter:		Need to be replaced	Tapered		-	
			_		_					Tabel C. Long at 10			Lamp Oulag		T-1-1 C-1	ire alv
Hours: Hours	ADD	TIONAL COMMEN	15:							Total fixture qty		Total lamp per fixture qty.:	Lamp Outag	jes qty.:	Total emergency fixt	are quy

	Αι	udit Sheet [Pa	age	of]		Business Na	me / Loc	ation:						Ø FI	JTURE ENERGY SOLU	ITIONS
	_	ite:				Auditor Nam-	e:			Auditor Telephone:				Auditing Company:		
	T	Fixture	Π	Lamp	T	-	100	Mounting	71 (Placement		Color		Bracket and P	ole Information	10 VF -1
	Г	Barn Light	T	Metal Halide: E26 / E39	1	Surface		Arm: Length	7	Ceiling	\top	Aluminum		Bracket type	Fixtures p	er pole
		Canopy Light		HPS: E26 / E39	1	Recessed		Pendant (Length): Chain Stem		Ground		Black	Single		1	
Pays:		Flood Light	1	LED		Slip Filler		Threaded Knuckle: 1/2" 3/4"		Pole		Bronze	Double: 9	0°180°	2	
1	Г	Garage Light	T	Incandescent		Yoke		Hook & Cord Hook & Plug		Pole - Mid mount	T	Gray	Triple: 90	°120°180°	3	
Ž		High Bay		Halogen			12	Control type		Roof	1	White	Quad: 90	°180°	(4)	
4	Г	Shoe Box		CFL & PL: E26 / 2P / 4P	Tīmi			Votion Sensor:		Soffit		Other:	Other:		Other	
	17	Recessed Cans	T	T5 / T8 / T12	Pho Man	locell:		Dimmable: Type: Bldg, Management System:		Wall					Pole top & tenon	Fixture or pole
Hours;	Ė	Wall Pack	\vdash	Other:	Ividi	Voltage		Fixture dimen	slons			Fixture & Pole condition		Pole Shape	measurement	height
2	Н	Troffers / Vapor	0	Outon.	+					Activities and the second	+	Good	Square			
Š	L	Tight / Strip Lights	Wattage	12W	11	20		ter: Depth:		Recessed can ceiling hole diameter:		Fair	Round			8
}		Other:	_	1 200	T,	C-0	Width	6 Length:		22		Need to be replaced	Tapered			
Hours:	ADI	DITIONAL COMMEN	ITS:	Lecessed C	ans	6"				Total fixture qty.: 26		Total lamp per fixture qty.:	Lamp Ou Power: \	lages qly.: 'es / No	Total emergency fix	lure qly.:
	Т	Fixture	Г	Lamp	T		8.	Mounting		Placement	1 3	Color		Bracket and P	ole Information	
		Barn Light		Metal Halide: E26 / E39	T	Surface	T	Arm: Lenglh		Ceiling	\top	Aluminum		Bracket type	Fixtures p	er pole
	Н	Canopy Light	\vdash	HPS: E26 / E39	T	Recessed		Pendant (Length): Chain Stem	\top	Ground	1	Black	Single		1)	
Days:	Н	Flood Light	\vdash	LED	1	Slip Filter	_	Threaded Knuckle: 1/2"3/4"		Pole		Bronze	Double: 9	0°180°	2	
ã		Garage Light		Incandescent	1	Yoke		Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90	°120°180°	3	
		High Bay	\vdash	Halogen		Trees I	_	Control type	A .	Roof	\top	White	Quad: 90	°180°	(4)	
	Г	Shoe Box		CFL & PL: E26 / 2P / 4P	Time	er:		Molion Sensor:	\neg	Soffil		Other:	Other:		Olher	
	Н	Recessed Cans	Н	T5 / T8 / T12	Pho Man	tocell:		Dimmable: Type:		Wall		PAGE ALL L		. S. W 174	Pole top & tenon	Fixture or pole
	⊢	Wall Pack	Н	Other:	IVIATI	Voltage		Bldg, Management System: Fixture dimen	slons			Fixture & Pole condition		Pole Shape	measurement	height
	Н	Troffers / Vapor	0	Othur.	1	Tollinge	Diame			Proposition of the same		Good	Square			
	┖	Tight / Strip Lights	Waftage		1					Recessed can ceiling hole diameter:		Fair	Round			
	_	Other:			_		Width	Length:		59837189211	┸	Need to be replaced	Tapered			
Hours	ADI	DITIONAL COMMEN	TS:							Total fixture qly.:		Total lamp per fixture qty.:	Power: \	lages qly.: 'es / No	Total emergency fix	lure qly.:
	Г	Fixture		Lamp				Mounting		Placement		Color		Bracket and P	ole Information	
	Г	Barn Light	Т	Metal Halide: E26 / E39		Surface	T	Arm: Length	\neg	Ceiling	\top	Aluminum		Bracket type	Fixtures p	er pole
		Canopy Light		HPS: E26 / E39	Т	Recessed	1	Pendant (Length): Chain Stem		Ground		Black	Single		1	
Days	Г	Flood Light	П	LED		Slip Fitter	+	Fhreaded Knuckle: 1/2" 3/4"		Pole	\top	Bronze	Double: 9	0° 180°	2	
ä	Г	Garage Light	T	Incandescent	T	Yoke	T	Hook & Cord Hook & Plug		Pole - Mid mount		Gray	Triple: 90	° 120° 180°	3	
		High Bay		Halogen				Control type		Roof		White	Quad: 90	° 180°	4	
		Shoe Box		CFL & PL: E26 / 2P / 4P	Time			Molion Sensor:		Soffil		Other:	Other		Other	
	H	Recessed Cans	Н	T5 / T8 / T12	Pho Man	tocell:		Dimmable: Type: Bldg_Management System:		Wall	100			- X	Pole top & tenon	Fixture or pole
		Wall Pack		Olher:	Ivian	Voltage		Fixture dimen:	slons	Variation by builting		Fixture & Pole condition		Pole Shape	measurement	helght
		Troffers / Vapor	eg.		T		Diame	ter: Depth:		Recessed can ceiling hole		Good	Square			
	\vdash	Tight / Strip Lights	Wattage							diameter:	-	Fair	Round		-	
500	ADE	Other:	_	l	_		Width	Length:		Total fixture qty.:		Need to be replaced Total lamp per fixture qty.:	Tapered	tages qly.:	Total emergency fix	I .
Hours:	IADL	A HONAL COMMEN	13:							Total lixture qty		rates tamp per lixture qty.:	Power: \	-	Total emergency lix	iuie qiy
	omm	ents (If any electric	al woı	k needs to be done, pleas	se sen	d a quote):							Power: \	/es / No		

Site Name	Facility Type	Entity	City & State	DirectCost	Total Energy Savings (\$)	Total Energy Savings (MMBtu)	Project Timeline Assigned Staff
Boardman Fire Station 74	Fire Station	FES	Youngstown, OH	\$9,736.87	\$30,405	1.43E+09	15 All FES departments
Boardman Fire Station 73	Fire Station	FES	Youngstown, OH	\$5,694.86	\$10,275	552,152,759	15 All FES departments
Montgomery County Sheriff	County Jail	FES	Crawfordsville, IN	\$76,384.61	\$270,240	1.37E+10	15 All FES departments
Village of the Branch	Street	FES	Smithtown, NY	\$35,331.58	\$142,290	2.55E+09	15 All FES departments
Parke County Jail	County Jail	FES	Rockville, IN	\$33,715.42	\$80,475	5,973,926,389	15 All FES departments
Boys & Girls Club of Montgomery County	Youth Center	FES	Crawfordsville, IN	\$20,842.70	\$86,730	4,006,331,977	15 All FES departments
Citrus County Detention Facility	County Jail	FES	Lecanto, FL	\$126,922.18	\$352,590	38,339,198,725	15 All FES departments
Baker County Jail	County Jail	FES	Maccleny, FL	\$96,791.75	\$227,475	2.02E+10	15 All FES departments
Yazoo County Correctional Facility	County Jail	FES	Yazoo City, MS	\$88,112.15	\$253,125	2.30E+10	15 All FES departments
Finney County Jail	County Jail	FES	Garden City, KS	\$127,844.30	\$232,980	2.30E+10	15 All FES departments
Breckinridge County Jail - KY	County Jail	FES	Hardinsburg, KY	\$25,475.06	\$99,135	8,688,831,001	15 All FES departments
Stephens County Law Enforcement Center	Police Station	FES	Breckinridge, TX	\$32,048.45	\$68,430	8,333,985,332	15 All FES departments
Stephens County Airport	Airport	FES	Breckinridge, TX	\$794.32	\$1,305	54,355,416	15 All FES departments
Stephens County Courthouse	Courthouse	FES	Breckinridge, TX	\$6,634.42	\$15,315	616,846,964	15 All FES departments
Stephens County Barn	Community Center	FES	Breckinridge, TX	\$7,367.23	\$12,360	1.33E+09	15 All FES departments
Stephens County Annex	Community Center	FES	Breckinridge, TX	\$1,508.80	\$2,250	1.41E+08	15 All FES departments
Montcalm County Jail	County Jail	FES	Stanton, MI	\$64,538.09	\$141,060	1.06E+10	15 All FES departments
Township offices	Offices	FES	Clinton, PA	\$19,984.11	\$72,690	2.80E+09	15 All FES departments
Township of Findlay	Street	FES	Findlay Township, PA	\$33,983.84	\$141,135	6,778,970,025	15 All FES departments
Village Of Lowellville	Street	FES	Lowelville, OH	\$8,856.08	\$33,120	1.58E+09	15 All FES departments
Austintown Township	Street	FES	Youngstown, OH	\$68,044.04	\$338,190	1.35E+10	15 All FES departments
Boardman Township Admin Office	Offices	FES	Youngstown, OH	\$23,907.74	\$80,835	4,118,574,376	15 All FES departments
Boardman Township Road Department Building	Offices	FES	Youngstown, OH	\$19,590.24	\$95,250	3.02E+09	15 All FES departments
Harrington Park School District	Schools	FES	Harrington Park, NJ	\$149,893.80	\$451,650	1.63E+10	15 All FES departments
Geneva Middle School	Schools	FES	Geneva, OH	\$124,685.83	\$205,995	1.35E+10	15 All FES departments
Geneva-R. Spencer Platt Elementary	Schools	FES	Geneva, OH	\$47,426.40	\$89,040	5,457,089,296	15 All FES departments
Geneva Austinburg Elementary	Schools	FES	Geneva, OH	\$40,289.45	\$74,550	4,691,046,439	15 All FES departments
Geneva Cork Elementary School	Schools	FES	Geneva, OH	\$44,029.94	\$72,375	4,889,377,171	15 All FES departments
Geneva High School	Schools	FES	Geneva, OH	\$118,326.19	\$226,995	1.60E+10	15 All FES departments
Lowellville K-12 School	Schools	FES	Lowelville, OH	\$122,235.34	\$460,800	1.86E+10	15 All FES departments
Columbiana High School	Schools	FES	Colombiana, OH	\$67,801.80	\$229,605	5,234,242,326	15 All FES departments
Columbiana Bus Garage	Parking/Transport	FES	Colombiana, OH	\$2,874.76	\$13,950	432,335,406	15 All FES departments



EXHIBIT A

Project Number:	US25707 - Ver1	Site Name:	One Parking - Palm Beach	Sa	avings Calculation		FES Monthly Compe	nsation Pay	/ment
Country:	USA	Cost pkw (X):	0.12	Baseline Monthly Energy Cost	(a)	\$1,904.80	Monthly Savings	100%	\$1,274.77
Business Name:	ONE PARKING - PALM BEACH	Average Operational Hours (Y):	18	New Monthly Energy Cost	(b)	\$630.03	Allowance to Customer	25 %	\$318.69
Site Address:	15 Worth Avenue, Palm Beach, Florida 33480	Average Yearly Operational Days (Z):	354	Monthly Saving	(a-b)	\$1,274.77	Monthly Compensation	75 %	\$956.08

Exhibit A - Part 1 (Audit)

		Qty	Watts/Fixture	Total Wattage	KW	Hrs/Day	Days/Year	kWh	Cost P/H	Cost P/D	Cost P/M
	Customer existing light fixtures	Α	В	C = A*B	D = C/1000	Υ	Z	E=(D*Y)*Z	F=D*0.12	G = F*Y	H = G*Z/12
1	4' T8 32W - 32W-Electrical Room in Back of Bldg - (2)	10	70.40	704.00	0.70	3.0	260	549	0.08	0.25	5.49
2	4' T8 32W - 32W-2nd FL Freight Elevator Hallway - (2)	8	70.40	563.20	0.56	24.0	365	4,934	0.07	1.62	49.34
3	4' T8 32W - 32W-2nd FL Freight Elevator Hallway Electrical RM - (2)	1	70.40	70.40	0.07	3.0	260	55	0.01	0.03	0.55
4	Incandescent - 40W-2nd FL Restrooms - (1)	26	40.00	1,040.00	1.04	5.0	365	1,898	0.12	0.62	18.98
5	MH - Metal Halide - Quartz - 250W-Garage Entrance - (1)	10	285.00	2,850.00	2.85	24.0	365	24,966	0.34	8.21	249.66
6	MH - Metal Halide - Quartz - 150W-Entrance to Shop - (1)	2	150.00	300.00	0.30	24.0	365	2,628	0.04	0.86	26.28
7	Par - 65W-Entrance to Shop - (1)	1	65.00	65.00	0.07	24.0	365	569	0.01	0.19	5.69
8	MH - Metal Halide - Quartz - 250W-Ramp up to 2nd Floor - (1)	3	285.00	855.00	0.86	24.0	365	7,490	0.10	2.46	74.90
9	4' T8 32W - 32W-2nd Floor Ramp Up - (2)	2	70.40	140.80	0.14	24.0	365	1,233	0.02	0.41	12.33
10	4' T8 32W - 32W-2nd Floor and Ramp Down - (2)	13	70.40	915.20	0.92	24.0	365	8,017	0.11	2.64	80.17
11	CFL - 13W-Ramp 2nd Floor to Roof Parking Lot - (1)	13	13.00	169.00	0.17	24.0	365	1,480	0.02	0.49	14.80
12	MH - Metal Halide - Quartz - 100W-Roof Parking Lot Wallpacks - (1)	22	121.00	2,662.00	2.66	12.0	365	11,660	0.32	3.83	116.60
13	Incandescent - 75W-West Staircase Roof Access - (1)	1	82.50	82.50	0.08	12.0	365	361	0.01	0.12	3.61
14	4' T8 32W - 32W-East Staircase 3rd Floor Elevator - (2)	1	70.40	70.40	0.07	24.0	365	617	0.01	0.20	6.17
15	Induction - 80W-East Staircase 2nd Floor Landing - (1)	1	80.00	80.00	0.08	24.0	365	701	0.01	0.23	7.01
16	MR-16 - 33W-East Elevator - (1)	6	33.00	198.00	0.20	24.0	365	1,734	0.02	0.57	17.34
17	4' T8 32W - 32W-West Staircase 3rd Floor - (2)	1	70.40	70.40	0.07	24.0	365	617	0.01	0.20	6.17
18	4' T8 32W - 32W-Basement Office/ Storage / Breakroom - (2)	20	70.40	1,408.00	1.41	3.0	260	1,098	0.17	0.51	10.98
19	4' T8 32W - 32W-Basement Ramps and Parking Lot - (2)	100	70.40	7,040.00	7.04	24.0	365	61,670	0.84	20.28	616.70
20	4' T8 32W - 32W-Basement Stairway - (2)	4	70.40	281.60	0.28	24.0	365	2,467	0.03	0.81	24.67
21	4' T8 32W - 32W-Valet Parking Office - (2)	2	70.40	140.80	0.14	24.0	365	1,233	0.02	0.41	12.33
22	Incandescent - 65W-Restrooms Hall by Garage Exit - (1)	1	65.00	65.00	0.07	24.0	365	569	0.01	0.19	5.69
23	Incandescent - 40W-Restrooms by Garage Exit - (1)	26	40.00	1,040.00	1.04	5.0	365	1,898	0.12	0.62	18.98
24	Candelabra - 60W-Shops Decorative Lantarn - (3)	27	180.00	4,860.00	4.86	24.0	365	42,574	0.58	14.00	425.74
25	CFL - 75W-Shops 2nd Floor - (1)	6	75.00	450.00	0.45	24.0	365	3,942	0.05	1.30	39.42
26	MH - Metal Halide - Quartz - 50W-Shops 2nd Floor - (1)	7	50.00	350.00	0.35	24.0	365	3,066	0.04	1.01	30.66
27	CFL - 23W-Shops 2nd Floor - (1)	8	23.00	184.00	0.18	24.0	365	1,612	0.02	0.53	16.12
28	Par - 12W-Shops Entrance 1st Floor - (1)	8	12.00	96.00	0.10	24.0	365	841	0.01	0.28	8.41
Basel	ne Per Month	330		26,751.30	26.76				3.19	62.87	1,904.80 (a)
Basel	ne Per Year							190,480			22,857.62

7. Resulting list of customer exisitng lighting system as recorded during on site audit.

ENERGY SAVINGS SUMMARY



Project Number: US10285 - Rev3 Site Name: Archdiocese Newark Building Country: USA Cost pkw: 0.170 Business Name: Archdiocese of Newark Average Operational Hours: 11 Site Address: 171 Clifton Avenue, Newark, NJ Average Operational Days: 261 07104

	CURRENT SYSTEM	GOLD INITIATIVE			
Total Number of Light Fixtures	1,585 FIXTURES	1,585 FIXTURES			
Total Wattage of Light Fixtures	103.45 KW	26.80 KW			
Total Wattage Consumed Per Year	314,155 KwH	80,651 KwH	CALCULATIONS Electricity Savings		
Energy Cost of Light Fixtures Per Year	\$53,406	\$13,711	Electricity Savings \$53,406 - \$13,711 = \$39,696 Gold Initiative Savings ("GIS") \$39,696 * 25% = \$9,924 GIS + Maintenance Savings \$9,924 + \$15,802 = \$25,726		
Projected Maintenance Costs	\$15,802	FREE			
Fixtures & Maintenance Payments	Archdiocese of Newark	FES			
EBITDA Effect	DRAIN	ENHANCEMENT			
Overall Lighting Performance	POOR	EXCELLENT	\		
Annual Totals	Current Annual Expenses	Forecast Annual Expenses	Total Annual Savings		
	\$69,208	\$43,482	\$25,726		
Total Over 15 Years	Current Total Cost Over 15 Years	Forecast Total Cost Over 15 Years	Total Savings Over 15 Years		
	\$1,038,122	\$652,232	\$385,890		



DATE: 4/30/2019

^{*}Maintenance Savings are estimated based on replacement lamps, ballast and man power.

ENERGY SAVINGS SUMMARY



Project Number: US20990 - Rev4 Site Name: Baker County Jail Country: USA Cost pkw: 0.090 Business Name: **Baker County Corrections** Average Operational Hours: 15 Management Corporation Site Address: 1 Sheriffs Office Drive, Macclenny, Average Operational Days: 312 FL 32063

	CURRENT SYSTEM	GOLD INITIATIVE				
Total Number of Light Fixtures	1,344 FIXTURES	1,344 FIXTURES				
Total Wattage of Light Fixtures	123.55 KW	47.64 KW				
Total Wattage Consumed Per Year	648,134 KwH	253,339 KwH	CALCULATIONS Flactricity Sayings			
Energy Cost of Light Fixtures Per Year	\$58,332	\$22,801	## Electricity Savings \$58,332 - \$22,801 = \$35,532 Gold Initiative Savings ("GIS") \$35,532 * 25% = \$8,883 GIS + Maintenance Savings \$8,883 + \$6,282 = \$15,165			
Projected Maintenance Costs	\$6,282	FREE				
Fixtures & Maintenance Payments	Baker County Corrections Management Corporation	FES				
EBITDA Effect	DRAIN	ENHANCEMENT				
Overall Lighting Performance	POOR	EXCELLENT	*			
Annual Totals	Current Annual Expenses	Forecast Annual Expenses	Total Annual Savings			
	\$64,614	\$49,449	\$15,165			
Total Over 15 Years	Current Total Cost Over 15 Years	Forecast Total Cost Over 15 Years	Total Savings Over 15 Years			
	\$969,211	\$741,736	\$227,475			
THIS CONTRACT DELIVERS 23.47% ANNUAL SAVINGS AND THE FOLLOWING POSITIVE IMPACT ON ENVIRONMENT						



DATE: 11/22/2021 *Maintenance Savings are estimated based on replacement lamps, ballast and man power.

ENERGY SAVINGS SUMMARY



Montgomery County Project Number: US17374 - Rev1 Site Name: Sheriff Country: USA Cost pkw: 0.090 Business Name: Average Operational Hours: Montgomery County 15 600 Memorial Drive, Site Address: Average Operational Days: 341 Crawfordsville, IN 47933

	CURRENT SYSTEM	GOLD INITIATIVE				
Total Number of Light Fixtures	629 FIXTURES	629 FIXTURES				
Total Wattage of Light Fixtures	83.14 KW	31.73 KW				
Total Wattage Consumed Per Year	433,272 KwH	166,530 KwH	CALCULATIONS Electricity Sourings			
Energy Cost of Light Fixtures Per Year	\$38,994	\$14,988	### Savings \$38,994 - \$14,988 = \$24,007 Gold Initiative Savings ("GIS") \$24,007 * 25% = \$6,002 GIS + Maintenance Savings \$6,002 + \$12,014 = \$18,016			
Projected Maintenance Costs	\$12,014	FREE				
Fixtures & Maintenance Payments	Montgomery County	FES				
EBITDA Effect	DRAIN	ENHANCEMENT				
Overall Lighting Performance	POOR	EXCELLENT	\			
Annual Totals	Current Annual Expenses	Forecast Annual Expenses	Total Annual Savings			
	\$51,008	\$32,992	\$18,016			
Total Over 15 Years	Current Total Cost Over 15 Years	Forecast Total Cost Over 15 Years	Total Savings Over 15 Years			
	\$765,122	\$494,882	\$270,240			
THIS CONTRACT DELIVERS 35.31% ANNUAL SAVINGS AND THE FOLLOWING POSITIVE IMPACT ON ENVIRONMENT						



DATE: 11/27/2019 *Maintenance Savings are estimated based on replacement lamps, ballast and man power.