

Performance Services

ARKANSAS TECH UNIVERSITY

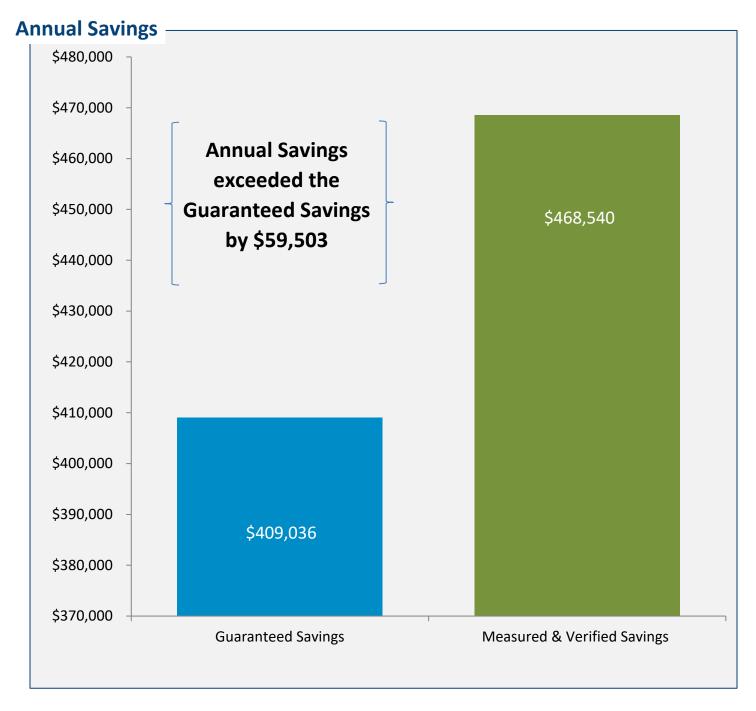
Year 1January – December 2020





Executive Summary

This Year 1 Annual Report provides an overview of energy performance resulting from the efficiency project completed by Performance Services (PSI) in 2019. Our Performance Assurance team is committed to measuring and monitoring project performance, recognizing customer successes, and identifying opportunities for increased efficiency. The following Annual Savings table shows guaranteed energy savings compared to actual savings measured for the period of January 1 – December 31, 2020. Measured savings surpassed guaranteed savings by \$59,503, or 14.5%.



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Project Description

Arkansas Tech University selected Performance Services to implement a campus-wide energy savings program utilizing the Arkansas Energy Performance Contracting (AEPC) Program. Essential improvements include LED lighting retrofits and building automation systems upgrades across the campus. In addition to these energy improvements, Energy Leadership program was implemented across the campus. An energy manager leads the behavioral-based student and staff energy awareness and cost reduction program.



Project Highlights

- Energy Leadership program
- LED lighting campus-wide upgrade (exterior and interior lighting)
- Building automation controls upgrade
- Fume hood retrofit and controls upgrades
- Cafeteria exhaust hood conversion to VAV



"I attribute ATU's project success to clear and open communication from the start of the project. This was a large-scale endeavor including mechanical and lighting upgrades, fume hood conversions and HVAC control improvements. Regular coordination meetings with the ATU team allowed us to identify and resolve any logistical challenges and execute these upgrades with little disruption to university programs, ATU educators, staff and students. It was a pleasure working with Brian Lasey, Marcus (Drew) Dickey, David Condley, Jonathan Collins and the rest of the ATU team. I sincerely appreciate their commitment to providing students with a healthy and productive learning environment while building a more energy efficient campus."

Jerry Philmon
PROJECT MANAGER

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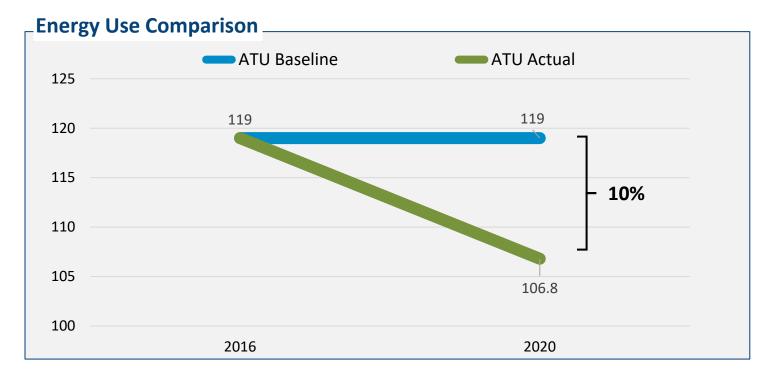
Project Benefits

Performance Services provides systems and solutions with the goal of providing high-performing learning and working environments for our customers. Our Four-Season Optimization process ensures that your building systems are energy-efficient while also providing an optimal learning environment. We also design reliable and resilient systems in order to minimize operational costs.



Energy Usage

The Energy Use Index (EUI), referred to generally as "energy intensity," demonstrates the volume of energy consumed per square foot at a set of facilities over the course of a year. Prior to 2020, ATU facilities included in this project scored a combined EUI of 119. After adoption of the Energy Leadership program, equipment upgrades, and Four-Season Optimization, the EUI of these facilities is now 106.8, which is a 10% reduction in energy intensity.



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Customer Portal

Performance Services provides a **Customer Portal** to our customers with access to training videos, an in-depth searchable knowledge base, and a ticketing system to create and track work requests. This portal allows for ease of communication and ensures a convenient way to request assistance, and document system performance.

Customer Portal Data

- 25 total tickets
- 100% have been resolved



McEver Hall Fume Hood

Reported Issue: McEver fume hood reporting a sash-related error

2/5/2020 10:25am - Per Steven Stilts

We met the TEL electrician in McEver Room 102 yesterday to investigate the fume hood issue. It was discovered that the bottom of the sash was making contact with the fume hood base instead of stopping short, and the close sensor required recalibration. Paul Zasada worked with the electrician to recalibrate. They ran through several steps and positions. Once complete, the equipment was tested at least five times. It now stops about two fingers from the bottom. The alarm is resolved.



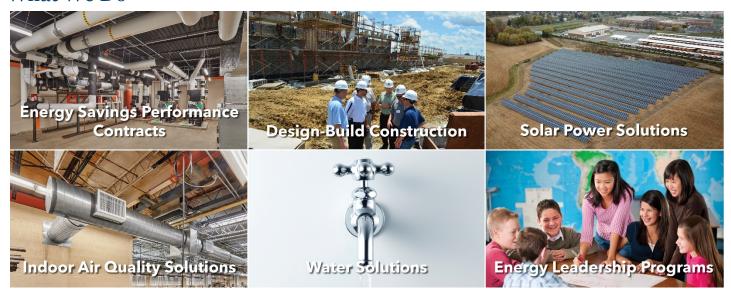
Lighting efficiency upgrades at McEver Hall

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Who We Are

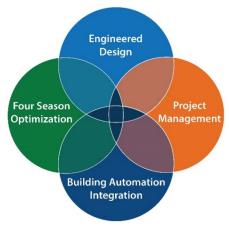
Performance Services is a high-performance specialist, creating and delivering facility and environmental solutions using integrated design and delivery with sole accountability. We do this by utilizing either design-build or guaranteed energy savings contracts. Our focus since the company's founding in 1998 is serving education and local governments to provide sustainable solutions and 100% customer satisfaction on every project.

What We Do



How We Do It

Performance Services provides **integrated design and delivery** that is enabled and focused on quality results for our customers. We prefer not to relinquish our design, project management, optimization, or performance assurance work to subcontractors and perform these essential functions inhouse. Our team utilizes a cohesive and collaborative team approach throughout project development and implementation to maximize quality results and customer satisfaction.



How We're Different

Performance Services conducts master planning and completes both new construction and major renovation projects using a design-to-budget and collaborative process to save our customers time and money.

- A multidisciplinary approach
- Unparalleled performance guarantees
- No change orders guarantee
- Transparent, open-book pricing
- Vendor independence
- Sole accountability for results

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Contact for Assistance



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PERFORMANCE ASSURANCE SPECIALIST

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OUR WORD IS OUR BOND

When we commit to implementing a project at a set price, we implement that project for that price without asking customers for change orders to cover design or construction errors.

RELATIONSHIPS MATTER

We work with customers that believe in a collaborative and partnership approach. We value long-term relationships.

WE FULFILL PROMISES

Promises and commitments to customers always take priority over profits. Our employees are empowered and expected to make this happen.

CUSTOMER IS IN CONTROL

Quality performance and value is defined by our customers. Customer feedback is always taken into consideration.

Performance Services



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Annual Guarantee	_	-	ry										
Year 1 (January 1, 2020 - December 31, 2020) Guaranteed Calculated Nec Savings Differ													
ENERGY SAVINGS													
NUTT RESIDENCE HALL													
* Electric	\$ 3,529	\$ 3,715	\$ 186										
* Gas	, ,,,,	7 37. 23	\$ -										
Sub-Total	\$ 3,529	\$ 3,715	\$ 186										
DEAN HALL													
* Electric	\$ 5,610	\$ 5,906	\$ 295										
* Gas			\$ -										
Sub-Total	\$ 5,610	5,906	\$ 295										
TURNER HALL													
* Electric	\$ 359	\$ 378	\$ 19										
* Gas			\$ -										
Sub-Total	\$ 359	\$ 378	\$ 19										
PAINE RESIDENCE HALL													
* Electric	\$ 1,894	\$ 1,993	\$ 100										
* Gas			\$ -										
Sub-Total	\$ 1,894	\$ 1,993	\$ 100										
WITHERSPOON HALL													
* Electric	\$ 10,930	\$ 11,506	\$ 575										
* Gas			\$ -										
Sub-Total	\$ 10,930	\$ 11,506	\$ 575										
ROSS PENDEGRAFT LIBRARY AND TECHNOLOGY CEN * Flectric		6 0 204	470										
Liectric	\$ 8,922	\$ 9,391	\$ 470										
* Gas	ć 0.03	ć 0.201	\$ - \$ 470										
Sub-Total MCEVER HALL, ANNEX & ADDITION 2	\$ 8,921	\$ 9,391	\$ 470										
* Electric	\$ 23,484	\$ 30,649	\$ 7,165										
* Gas	\$ 10,167		\$ 40,670										
Sub-Total	\$ 33,651		\$ 47,835										
CORLEY HALL	7 33,03.	7 01,400	7 47,033										
* Electric	\$ 6,662	\$ 7,012	\$ 351										
* Gas	3,002	, ,,,,,,,,	\$ -										
Sub-Total	\$ 6,662	2 \$ 7,012	\$ 351										
ENERGY CENTER													
* Electric	\$ 1,133	\$ 1,191	\$ 60										
* Gas			\$ -										
Sub-Total	\$ 1,131	\$ 1,191	\$ 60										
DOC BRYAN STUDENT SERVICES BUILDING													
* Electric	\$ 5,992	\$ 6,307	\$ 315										
* Gas			\$ -										
Sub-Total	\$ 5,992	\$ 6,307	\$ 315										
TUCKER COLISEUM													
* Electric	\$ 8,926	\$ 9,396											
* Gas			\$ -										
Sub-Total	\$ 8,926	\$ 9,396	\$ 470										





Annual Guarantee Year 1 (January 1			У
Description	Guaranteed Savings	Calculated Savings	Net Difference
HUGHES RESIDENCE HALL			
* Electric	\$ 612	\$ 644	\$ 32
* Gas			\$ -
Sub-Total	\$ 612	\$ 644	\$ 32
CHAMBERS CAFETERIA * Electric	\$ 6,369	\$ 6,838	\$ 470
* Gas	\$ 6,369 \$ 4,612	\$ 6,838 \$ 5,765	\$ 1,153
Sub-Total		\$ 12,603	\$ 1,623
TECHIONERY	7 10,301	7 12,000	7 2,023
* Electric	\$ 2,711	\$ 2,854	\$ 143
* Gas	, ,	,	\$ -
Sub-Total	\$ 2,711	\$ 2,854	\$ 143
M STREET RESIDENCE HALL			
* Electric	\$ 1,015	\$ 1,068	\$ 53
* Gas			\$ -
Sub-Total	\$ 1,015	\$ 1,068	\$ 53
TOMILINSON HALL			
* Electric	\$ 3,466	\$ 3,649	\$ 182
* Gas	4 2466	4 200	\$ -
Sub-Total	\$ 3,466	\$ 3,649	\$ 182
ADMINISTRATION BUILDING	ć 1.010	¢ 2.547	ć 627
* Electric * Gas	\$ 1,910	\$ 2,547	\$ 637
Sub-Total	\$ 1,910	\$ 2,547	\$ 637
CRABAUGH HALL	7 1,910	\$ 2,347	3 037
* Electric	\$ 4,402	\$ 4,633	\$ 232
* Gas	,,,,,	,,,,,,	\$ -
Sub-Total	\$ 4,402	\$ 4,633	\$ 232
HULL PHYSICAL EDUCATION BUILDING			
* Electric	\$ 16,370	\$ 17,231	\$ 862
* Gas			\$ -
Sub-Total	\$ 16,370	\$ 17,231	\$ 862
BROWNING HALL (OLD ART BUILDING)			
* Electric	\$ 797	\$ 839	\$ 42
* Gas			\$ -
Sub-Total	\$ 797	\$ 839	\$ 42
CARAWAY RESIDENCE HALL	ć 1.03F	ć 1,000	ė
* Electric * Gas	\$ 1,035	\$ 1,089	\$ 54
* Gas Sub-Total	\$ 1,035	\$ 1,089	\$ 54
NORMAN HALL	7 1,035	7 1,009	y 34
* Electric	\$ 3,324	\$ 3,499	\$ 175
* Gas	5,524	5,155	\$ -
Sub-Total	\$ 3,324	\$ 3,499	\$ 175
BASWELL RESIDENCE HALL	-,	.,,2	
* Electric	\$ 2,477	\$ 2,608	\$ 130
* Gas			\$ -
Sub-Total	\$ 2,477	\$ 2,608	\$ 130
PHYSICAL PLANT SHOP / FACILITIES MANAGEMENT			
* Electric	\$ 4,125	\$ 4,343	\$ 217
* Gas	A	A	\$ -
Sub-Total	\$ 4,125	\$ 4,343	\$ 217





Annual Guarantee Year 1 (January 1					У	
Description	_	Guaranteed Savings		Calculated Savings		Net Difference
ROTHWELL HALL	۸	5.460		F 404		272
* Electric	\$	5,162	\$	5,434	\$	272
* Gas Sub-Total	\$	5,162	\$	5,434	\$ \$	272
BASWELL TECHIONERY	7	3,102	Ą	5,454	Ą	2/2
* Electric	\$	2,773	\$	3,209	\$	436
* Gas	\$	2,675	\$	3,344	\$	669
Sub-Total	\$	5,448	\$	6,553	\$	1,104
BROWN HALL		· · · · · · · · · · · · · · · · · · ·		<u> </u>		•
* Electric	\$	2,170	\$	2,285	\$	114
* Gas					\$	-
Sub-Total	\$	2,170	\$	2,285	\$	114
MORTON HALL						
* Electric	\$	1,049	\$	1,104	\$	55
* Gas					\$	-
Sub-Total	\$	1,049	\$	1,104	\$	55
TECH BASEBALL FIELD						
* Electric	\$	347	\$	365	\$	18
* Gas					\$	-
Sub-Total	\$	347	\$	365	\$	18
PUBLIC SAFETY * Flactric	ے	0.0	۲	104	\$	5
* Electric * Gas	\$	98	\$	104	\$ \$	
Sub-Total	\$	98	\$	104	۶ \$	5
ALUMNI HOUSE	7	36	٦	104	٧	
* Electric	\$	440	\$	463	\$	23
* Gas	Ť		Ψ	.00	\$	-
Sub-Total	\$	440	\$	463	\$	23
THRONE STADIUM					-	
* Electric	\$	847	\$	1,881	\$	1,035
* Gas					\$	-
Sub-Total	\$	847	\$	1,881	\$	1,035
STADIUM SUITES STUDENT HOUSING						
* Electric	\$	2,245	\$	2,363	\$	118
* Gas					\$	-
Sub-Total	\$	2,245	\$	2,363	\$	118
CHARTWELLS ATHLETIC COMPLEX	۲,	2.246	۲	F 004	ہ	2.055
* Electric	\$	3,246	\$	5,901	\$	2,655
* Gas Sub-Total	\$	3,246	\$	5,901	\$ \$	2,655
FISHERIES, WILDLIFE AND ENGINEERING LAB	7	3,240	Ą	5,501	٠	2,055
* Electric	\$	1,048	\$	1,103	\$	55
* Gas		1,040	7	1,103	\$	-
Sub-Total	\$	1,048	\$	1,103	\$	55
COLLEGIATE CENTER	ť	_,;;;			7	
* Electric	\$	3,778	\$	3,976	\$	199
* Gas	l .	, -			\$	-
Sub-Total	\$	3,778	\$	3,976	\$	199
WEST ANNEX						
* Electric	\$	1,454	\$	1,531	\$	77
* Gas					\$	-
Sub-Total	\$	1,454	\$	1,531	\$	77





Annual Guaranteed Savings Report Summary														
Year 1 (January 1, 2020 - December 31, 2020)														
Description		Guaranteed Savings		Calculated Savings		Net Difference								
OZARK - CAMPUS BUILDINGS	i													
* Electric	\$	13,393	\$	14,098	\$	705								
* Gas					\$	-								
Sub-Tota	1 \$	13,393	\$	14,098	\$	705								
LAKE POINT - ALL CAMPUS BUILDINGS														
* Electric	\$	13,176	\$	13,870	\$	693								
* Gas					\$	-								
Sub-Tota	1 \$	13,176	\$	13,870	\$	693								
OTHER MISCELLANEOUS														
* Electric	\$	14,453	\$	15,213	\$	761								
* Gas					\$	-								
Sub-Tota	1 \$	14,453	\$	15,213	\$	761								
PUBLIC WORKS BUILDING														
* Electric	\$	2,675	\$	2,815	\$	141								
* Gas					\$	-								
Sub-Tota	1 \$	2,675	\$	2,815	\$	141								
ENERGY LEADERSHIP														
* Energy	\$	185,592	\$	182,008	\$	(3,584)								
* Water	\$	11,584	\$	11,584										
Sub-Tota	1 \$	197,176	\$	193,592	\$	(3,584)								
Tota	1 \$	409,036	\$	468,540	\$	59,503								
OPERATIONAL SAVINGS														
 Lighting and fume hood upgrades 	\$	101,775	\$	101,775	\$	-								
SAVINGS	\$	510,811	\$	570,315	\$	59,503								

The operational savings are expenditures that the customer would have incurred had they not addressed their repair and replacement needs under this contract. Operational savings are impossible to accurately track after the equipment is replaced because it is impossible to know when the equipment would have failed or required repairs. Therefore, the operational savings were agreed to as a part of the contract and have been averaged over the ten year term.





NUTT RESIDENCE HALL	\$ 188 \$ - \$ 188 \$ - \$ \$ 299 \$ \$ - \$ \$ 291 \$ \$ 100 \$ \$ - \$ \$ 5 77 \$ \$ - \$ \$ 5 77 \$ \$ 5 476 \$ \$ \$ 470 \$ \$ \$ 470 \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ 470 \$ \$ \$ 470 \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ \$ 470 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
NUTT RESIDENCE HALL Substitution	\$ 184 \$ 295 \$ 295 \$ 295 \$ 100 \$ 100
NUTT RESIDENCE HALL Savings due to interior and exterior lighting retrofit 5 3,329 5 3,725 5 166 5 5 5 5 5 5 3,279 5 3,275 5 166 5 5 5 5 5 5 5 5 5	\$ 186 \$ - 186 \$ 186 \$ 299 \$ - 5 \$ 299 \$ - 7 \$ 100 \$ - 7 \$ 100 \$ - 7 \$ 100 \$ - 7 \$ 5 -
Savings	\$ - 180 \$ 299 \$ - 299 \$ 115 \$ - 7 \$ 100 \$ 100
Savings	\$ - 180 \$ 299 \$ - 299 \$ 115 \$ - 7 \$ 100 \$ 100
Sub-total Sub-	\$ - 180 \$ 299 \$ - 299 \$ 115 \$ - 7 \$ 100 \$ 100
Sub-total Sub-	\$ 186 \$ 295 \$ 295 \$ 295 \$ 100 \$ 100 \$ 100 \$ 5 7 \$ 575 \$ 476 \$ 476
DEAM HALL	\$ 295 \$ 195 \$ 100 \$
**Savings due to interior and exterior lighting retrofit	\$ 295 \$ 195 \$ 100 \$
TURNER HALL Sub-total: \$ 5,610 \$ 5,00	\$ 295 \$ 195 \$ 100 \$
Sub-total:	\$ 115 \$ - \$ 100 \$ - \$ 100 \$ - \$ 5 573 \$ 476 \$ 476
Savings * Savings due to interior and exterior lighting retrofit \$ 339 \$ 378 \$ 19 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$	\$ -100 \$ 100 \$ - 5 \$ 100 \$ - 5 \$ 575 \$ - 5 \$ 575 \$ - 7
**Savings due to interior and exterior lighting retrofit	\$ -100 \$ 100 \$ - 5 \$ 100 \$ - 5 \$ 575 \$ - 5 \$ 575 \$ - 7
Sub-total Sub-	\$ -100 \$ 100 \$ - 5 \$ 100 \$ - 5 \$ 575 \$ - 5 \$ 575 \$ - 7
PAINE RESIDENCE HALL	\$ 1000 \$ - \$ 575 \$ 575 \$ 575 \$ 470 \$ 470
Savings	\$ - 100 \$ - 575 \$ 575 \$ 575 \$ 575 \$ 470 \$ 470
**Savings due to interior and exterior lighting retrofit	\$ - 100 \$ - 575 \$ 575 \$ 575 \$ 575 \$ 470 \$ 470
Substitute	\$ - 100 \$ - 575 \$ 575 \$ 575 \$ 575 \$ 470 \$ 470
Number N	\$ - \$ 57! \$ - \$ 57! \$ 470 \$ - \$ 470
Savings due to interior and exterior lighting retrofit S 10,930 S 11,506 S 575 S S S S 10,930 S 11,506 S S S S S S S S S	\$ - \$ 575 \$ 470 \$ - \$ 470
Savings due to interior and exterior lighting retrofit S	\$ - \$ 575 \$ 470 \$ - \$ 470
Sub-total: \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ - \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ - \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ - \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ \$ - \$ \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ \$ - \$ \$ 10,930 \$ 11,506 \$ 10,930 \$ 11,506 \$ 5.75 \$ - \$ \$ - \$ \$ 10,930 \$ 11,506 \$ 10,930 \$ 11,506 \$ 10,930	\$ 575 \$ 476 \$ - \$ 476
ROSS PENDEGRAFT LIBRARY AND TECHNOLOGY CENTER	\$ 470 \$ - \$ 470 \$ \$
Savings * Savings due to interior and exterior lighting retrofit \$ 8,921 \$ 9,391 \$ 470 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 470
**Savings due to interior and exterior lighting retrofit	\$ 470
Sub-total \$ 8,921 \$ 9,391 \$ 470 \$ -	\$ 470
MCEVER HALL, ANNEX & ADDITION 2	\$ 400
Savings * Savings due to interior and exterior lighting retrofit \$ 7,714 \$ 8,8,120 \$ 406 \$ \$ \$ \$ \$ 7,714 \$ 8,120 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
** Savings due to lab fume hood and kitchen hood retrofit	
Sub-total \$ 23,484 \$ 30,649 \$ 7,165 \$ 10,167 \$ 50,837 \$ 40,670 \$ 33,651 \$ 81,486	
Sub-total	\$ -
Savings * Savings due to interior and exterior lighting retrofit \$ 6,662 \$ 7,012 \$ 351 \$ \$ \$ \$ \$ 6,662 \$ 7,012 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	\$ 47,835
* Savings due to interior and exterior lighting retrofit \$ 6,662 \$ 7,012 \$ 351 \$ \$ \$ \$ \$ 6,662 \$ 7,012 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
Sub-total: Sub	\$ 35:
ENERGY CENTER	\$ -
Savings Savi	\$ 35:
* Savings due to interior and exterior lighting retrofit \$ 1,131 \$ 1,191 \$ 60 \$ 5 - \$ 1,131 \$ 1,191 \$	ė
Sub-total: S S S S S S S S S	\$ 60
DOC BRYAN STUDENT SERVICES BUILDING Savings	\$ -
Savings	\$ 60
* Savings due to interior and exterior lighting retrofit \$ 5,992 \$ 6,307 \$ 315 \$ \$ - \$ 5,992 \$ 6,307 \$	Ś -
Sub-total: \$ 5,992 \$ 6,307 \$ 315 \$ - \$ - \$ 5,992 \$ 6,307	\$ 315
	\$ -
TUCKER COLISEUM	\$ 315
Savings Saving	
* Savings due to interior and exterior lighting retrofit \$ 8,926 \$ 9,396 \$ 470 \$ - \$ 8,926 \$ 9,396	\$ 470
Sub-total: \$ 8,926 \$ 9,396 \$ 470 \$ - \$ - \$ 8,926 \$ 9,396	\$ 470
HUGHES RESIDENCE HALL	
Savings Saving	
* Savings due to interior and exterior lighting retrofit \$ 612 \$ 644 \$ 32 \$ 5 - \$ 612 \$ 644	\$ 32
Sub-total: \$ 612 \$ 644 \$ 32 \$ - \$ - \$ - \$ 612 \$ 644	\$ 32
CHAMBERS CAFETERIA	
Savings Saving	ė 34
* Savings due to interior and exterior lighting retrofit \$ 4,072 \$ 4,286 \$ 214 \$ 5 - \$ 4,072 \$ 4,286 \$ 214 \$ 5 - \$ 4,072 \$ 4,286 \$ 3,277 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5,075 \$ 5 - \$ 5 - \$ 5,075 \$ 5 - \$	\$ 214
Sub-total: \$ 6,369 \$ 6,838 \$ 470 \$ 4,612 \$ 5,765 \$ 1,153 \$ 10,981 \$ 12,603	\$ 1,623
TECHIONERY Savings	
289/11/2 \$ 2,711 \$ 2,854 \$ 143 \$ 5 - \$ 2,711 \$ 2,854 \$ 143 \$ 5 - \$ 2,711 \$ 2,854 \$ 2,711	
\$ - \$ - \$ -	\$ 143
Sub-total: \$ 2,711 \$ 2,854 \$ 143 \$ - \$ - \$ 2,711 \$ 2,854 M STREET RESIDENCE HALL \$ 0 <t< td=""><td>\$ -</td></t<>	\$ -
NI 3 INCL RESIDENCE PALE	
* Savings due to interior and exterior lighting retrofit \$ 1,015 \$ 1,068 \$ 53 \$. \$. \$ 1,015 \$ 1,068	\$ -
Sub-total: \$ 1,015 \$ 1,068 \$ 53 \$ - \$ - \$ 1,015 \$ 1,068	\$ -





	Detailed Energy Savings Summary Year 1 (January 1, 2020 - December 31, 2020)													
Year 1	(Jar						_		1	T-4-10 '				
Improvements				tric Saving		Guaranteed	Gas Savings	Difference	Guarantoo	Total Saving Calculate		ifforonco		
Improvements		YTD		YTD	YTD	YTD	YTD	YTD	Guarantee YTD	YTD	, D	YTD		
TOMILINSON HALL														
Savings * Savings due to interior and exterior lighting retrofit		\$ 3,466	\$	3,649	\$ 182			\$ -	\$ 3,46	6 \$ 3,64	9 \$	182		
ADMINISTRATION BUILDING	ub-total:	\$ 3,466	\$	3,649	\$ 182	\$ -	\$ -	\$ -	\$ 3,46	5 \$ 3,64	9 \$	182		
Savings														
* Savings due to interior and exterior lighting retrofit		\$ 1,910	\$	2,547	\$ 637			\$ -	\$ 1,91	0 \$ 2,54	7 \$	637		
Su	ub-total:	\$ 1,910	\$	2,547	\$ 637	\$ -	\$ -	\$ -	\$ 1,91	0 \$ 2,54	7 \$	637		
CRABAUGH HALL														
Savings * Savings due to interior and exterior lighting retrofit		\$ 4,402	Ś	4,633	\$ 232			Ś -	\$ 4,40	2 \$ 4,63	3 \$	232		
								'						
HULL PHYSICAL EDUCATION BUILDING	ub-total:	\$ 4,402	\$	4,633	\$ 232	\$ -	\$ -	\$ -	\$ 4,40	2 \$ 4,63	3 \$	232		
Savings														
Savings due to interior and exterior lighting retrofit		\$ 16,370	\$	17,231	\$ 862			\$ -	\$ 16,37	0 \$ 17,23	1 \$	862		
Su	ub-total:	\$ 16,370) \$	17,231	\$ 862	\$ -	\$ -	\$ -	\$ 16,37	0 \$ 17,23	1 \$	862		
BROWNING HALL (OLD ART BUILDING)	, .5.0	. 10,070	ý		. 552				, 10,57	7 27,25	Ť	- 502		
Savings		6 70-		000	6 /2			ć	ć	7 6 00	0 0			
* Savings due to interior and exterior lighting retrofit		\$ 797	\$	839	\$ 42			\$ -	\$ 79	7 \$ 83	\$ 5	42		
	ub-total:	\$ 797	\$	839	\$ 42	\$ -	\$ -	\$ -	\$ 79	7 \$ 83	9 \$	42		
CARAWAY RESIDENCE HALL											_			
Savings * Savings due to interior and exterior lighting retrofit		\$ 1,035	\$	1,089	\$ 54			\$ -	\$ 1,03	5 \$ 1,08	9 \$	54		
		ć 4.03F	_	4 000		^					2 .	54		
NORMAN HALL	ub-total:	\$ 1,035	\$	1,089	\$ 54	\$ -	\$ -	\$ -	\$ 1,03	5 \$ 1,08	9 \$	54		
Savings														
* Savings due to interior and exterior lighting retrofit		\$ 3,324	\$	3,499	\$ 175			\$ -	\$ 3,32	4 \$ 3,49	9 \$	175		
Su	ub-total:	\$ 3,324	\$	3,499	\$ 175	\$ -	\$ -	\$ -	\$ 3,32	4 \$ 3,49	9 \$	175		
BASWELL RESIDENCE HALL														
Savings * Savings due to interior and exterior lighting retrofit		\$ 2,477	ć	2,608	\$ 130			¢ -	\$ 2,47	7 \$ 2,60	o ć	130		
* Savings due to interior and exterior lighting retrofit		ξ 2,477	ې	2,008	Ş 130			, -	ξ 2,47	7 3 2,00	د ه	130		
	ıb-total:	\$ 2,477	\$	2,608	\$ 130	\$ -	\$ -	\$ -	\$ 2,47	7 \$ 2,60	8 \$	130		
PHYSICAL PLANT SHOP / FACILITIES MANAGEMENT Savings														
* Savings due to interior and exterior lighting retrofit		\$ 4,125	\$	4,343	\$ 217			\$ -	\$ 4,12	5 \$ 4,34	3 \$	217		
Su	ıb-total:	\$ 4,125	Ś	4,343	\$ 217	\$ -	Ś -	\$ -	\$ 4,12	5 \$ 4,34	3 5	217		
ROTHWELL HALL		,,	Ţ	.,,,,,,,,	,	T	,	Ť	,,,,,,	, ,,,,,	Ť			
Savings * Covings due to interior and outside liabting sate fit		\$ 5,162	ć	5,434	\$ 272			Ś -	\$ 5,16	2 \$ 5,43	4 Ś	272		
* Savings due to interior and exterior lighting retrofit		\$ 5,162	\$	5,434	\$ -			\$ -	\$ 5,16	\$ -	4 \$	-		
	ub-total:	\$ 5,162	\$	5,434	\$ 272	\$ -	\$ -	\$ -	\$ 5,16	2 \$ 5,43	4 \$	272		
BASWELL TECHIONERY Savings											_			
* Savings due to interior and exterior lighting retrofit		\$ 1,305	\$	1,374	\$ 69			\$ -	\$ 1,30			69		
* Savings due to lab fume hood and kitchen hood retrofit		\$ 1,468	\$	1,835	\$ 367	\$ 2,675	\$ 3,344	\$ 669	\$ 4,14	\$ 5,17	9 \$	1,036		
Su	ub-total:	\$ 2,773	\$	3,209	\$ 436	\$ 2,675	\$ 3,344	\$ 669	\$ 5,44	T	3 \$	1,104		
BROWN HALL														
Savings * Savings due to interior and exterior lighting retrofit		\$ 2,170	Ś	2,285	\$ 114	-		\$ -	\$ 2,17	0 \$ 2,28	5 \$	114		
					\$ -			\$ -	\$ -	\$ -	\$	-		
MORTON HALL	ub-total:	\$ 2,170	\$	2,285	\$ 114	\$ -	\$ -	\$ -	\$ 2,17	0 \$ 2,28	5 \$	114		
Savings			Ŧ											
* Savings due to interior and exterior lighting retrofit		\$ 1,049	\$	1,104	\$ 55			\$ -	\$ 1,04			55		
Su	ub-total:	\$ 1,049	\$	1,104	\$ - \$ 55	\$ -	\$ -	\$ -	\$ - \$ 1,04	\$ - 9 \$ 1,10	4 \$	- 55		
TECH BASEBALL FIELD			ľ	,,				<u> </u>			Ť			
Savings * Savings due to interior and exterior lighting retrofit		\$ 347		365	ć 10			Ś -	ė 34	7 \$ 36	-	10		
* Savings due to interior and exterior lighting retrofit		\$ 347	\$	365	\$ 18 \$ -			\$ - \$ -	\$ 34 \$ -	7 \$ 36 \$ -	5 \$	18		
	ub-total:	\$ 347	\$	365	\$ 18	\$ -	\$ -	\$ -	\$ 34	7 \$ 36	5 \$	18		
PUBLIC SAFETY Savings						-								
Savings * Savings due to interior and exterior lighting retrofit		\$ 98	\$	104	\$ 5	 		\$ -	\$ 9	8 \$ 10	4 \$	5		
	.h.a				\$ -	ć	ė.	\$ -	\$ -	\$ -	\$			
ALUMNI HOUSE	ub-total:	\$ 98	\$	104	\$ 5	\$ -	\$ -	\$ -	\$ 9	8 \$ 10	4 \$	5		
Savings														
* Savings due to interior and exterior lighting retrofit		\$ 440	\$	463	\$ 23			\$ -	\$ 44	0 \$ 46	3 \$	23		
Su	ub-total:	\$ 440) \$	463	\$ 23	\$ -	\$ -	\$ -	\$ 44	0 \$ 46	3 Ś	23		
		. 10	-						• • • • • • • • • • • • • • • • • • • •					





CHARTMELIS ATHLETIC COMPLEX Substings Subs								ummar							
Part	Year 1 (Jai	nua					nb								
## THRONE STADIUM **THRONE STADIUM** **THRONE STADIUM** **Source	Improvements	Guar								Difference	Gua			Diff	oronco
HINDONE STADIUM	improvements			Ca			ice								
Savings due to interior and extensir highing retrofit S															
Section Sect	THRONE STADIUM														
Sub-total 5 B47 \$ 1.881 \$ 1.033 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	0.														
STADUM SUITES STUDENT HOUSING **Savings due to interior and exterior lighting retrofit	* Savings due to interior and exterior lighting retrofit	\$	847	\$	1,881	\$ 1,0	35			\$ -	\$	847	\$ 1,881	\$	1,035
STADIUM SUITES STUDENT HOUSING **Savings due to intentior and exterior lighting enterofit **Savings due to intentior and ext	Sub-total:	\$	847	\$	1,881	\$ 1,0	35	\$ -	\$ -	\$ -	\$	847	\$ 1,881	\$	1,035
**Swings due to interior and exterior lighting retrofit	STADIUM SUITES STUDENT HOUSING														
Sub-total															
CHARTMELIS ATMENTE COMPLEX Substance Subst	* Savings due to interior and exterior lighting retrofit	\$	2,245	\$	2,363	\$ 1	18			\$ -	\$	2,245	\$ 2,363	\$	118
Savings **Savings due to interior and exterior lighting retrofit **Savin	Sub-total:	\$	2,245	\$	2,363	\$ 1	18	\$ -	\$ -	\$ -	\$	2,245	\$ 2,363	\$	118
**Savings due to interior and exterior lighting retrofit		i i													
Subtools \$ 2,248 \$ 5,00 \$ 2,655 \$ 5 5 5 5 5 3,348 \$ 5,50 \$ 2,655 \$ 5 5 6															
FISHERIS, WILDLIFE AND ENGINEERING LAB **Savings** **Sa	* Savings due to interior and exterior lighting retrofit	\$	3,246	\$	5,901	\$ 2,6	55			Ş -	\$	3,246	\$ 5,901	\$	2,655
FISHERIS, WILDLIFE AND ENGINEERING LAB **Savings** **Sa	Sub-total:	\$	3,246	\$	5,901	\$ 2,6	55	\$ -	\$ -	\$ -	\$	3,246	\$ 5,901	\$	2,655
**Savings due to interior and exterior lighting retrofit	FISHERIES, WILDLIFE AND ENGINEERING LAB														
Sub-total \$ 1,048 \$ 1,058 \$ 5 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Savings														
COLLEGIATE CENTER * Savings due to interior and exterior lighting retrofit \$ 3,778 \$ 3,976 \$ 199 \$ 5 5 5 5 3,778 \$ 3,976 \$ 199 WEST ANNEX Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,531 \$ 77 \$ 5 5 5 5 5 1,454 \$ 1,531 \$ 77 CARK - CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 13,393 \$ 14,098 \$ 705 \$ 5 5 5 13,778 \$ 13,898 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 CHER MISCELLANEOUS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 PUBLIC WORKS BUILDING Savings * Savings due to interior and exterior lighting retrofit \$ 2,4453 \$ 1,5213 \$ 761 PUBLIC WORKS BUILDING Savings * Savings due to interior and exterior lighting retrofit \$ 2,675 \$ 2,815 \$ 141 Savings due to interior and exterior lighting retrofit \$ 3,4453 \$ 1,5213 \$ 761 PUBLIC WORKS BUILDING Savings * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and beha	* Savings due to interior and exterior lighting retrofit	\$	1,048	\$	1,103	\$	55			\$ -	\$	1,048	\$ 1,103	\$	55
COLLEGIATE CENTER * Savings due to interior and exterior lighting retrofit \$ 3,778 \$ 3,976 \$ 199 \$ 5 5 5 5 3,778 \$ 3,976 \$ 199 WEST ANNEX Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,531 \$ 77 \$ 5 5 5 5 5 1,454 \$ 1,531 \$ 77 CARK - CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 13,393 \$ 14,098 \$ 705 \$ 5 5 5 13,778 \$ 13,898 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 LAKE POINT - ALL CAMPUS BUILDINGS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 CHER MISCELLANEOUS Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,331 \$ 1,409 \$ 705 PUBLIC WORKS BUILDING Savings * Savings due to interior and exterior lighting retrofit \$ 2,4453 \$ 1,5213 \$ 761 PUBLIC WORKS BUILDING Savings * Savings due to interior and exterior lighting retrofit \$ 2,675 \$ 2,815 \$ 141 Savings due to interior and exterior lighting retrofit \$ 3,4453 \$ 1,5213 \$ 761 PUBLIC WORKS BUILDING Savings * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and behaviors of staff and students - Energy * Savings due to atteration of energy culture and beha	Sub-total:	Ś	1.048	Ś	1.103	Ś	55	\$ -	\$ -	\$ -	Ś	1.048	\$ 1.103	Ś	55
Savings * Savings due to interior and exterior lighting retrofit \$ 3,778 \$ 3,976 \$ 199 **WEST ANNEX **Sub-total \$ 3,778 \$ 3,976 \$ 199 **WEST ANNEX **Sub-total \$ 1,454 \$ 1,531 \$ 77 **Sub-total \$ 1,454 \$ 1,331 \$ 77 **Sub-total \$ 1,454 \$ 1,331 \$ 77 **Sub-total \$ 1,454 \$ 1,333 \$ 14,098 \$ 705 **Sub-total \$ 13,176 \$ 13,870 \$ 693 **Sub-total \$ 13,176 \$ 13,870 \$ 693 **Sub-total \$ 1,445 \$ 15,213 \$ 761 **Sub-total \$ 1,445 \$ 15,213 \$ 141 **Sub-total \$ 1,445 \$ 1,445 \$ 141 **Sub-total \$ 1,445 \$ 1,445 \$ 1,445 \$ 141 **Sub-total \$ 1,445 \$ 1,445 \$ 1,445 \$ 1,445 \$ 141 **		_	2,040	Ý	1,105	Ÿ	55	Ŷ	Ÿ	Ÿ	7	2,0-10	Ų 1,105	7	33
Sub-total: \$ 3,778 \$ 3,976 \$ 199 \$. \$. \$. \$. \$. \$ 3,778 \$ 3,978 \$ 199 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$															
WEST ANNEX	* Savings due to interior and exterior lighting retrofit	\$	3,778	\$	3,976	\$ 1	99			\$ -	\$	3,778	\$ 3,976	\$	199
WEST ANNEX	Sub-total:	ć	2 770	ć	2 076	ć 1	00	ė	ė	ė	ć	2 770	¢ 2.076	ć	100
Savings * Savings due to interior and exterior lighting retrofit \$ 1,454 \$ 1,531 \$ 77 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		Ÿ	3,770	Y	3,370	y 1	55	y.	,	,	Ÿ	3,770	ÿ 3,570	Ÿ	133
* Savings due to interior and exterior lighting retrofit							\dashv								
Sub-total: \$ 1,454 \$ 1,531 \$ 777 \$. \$. \$. \$. \$ 1,454 \$ 1,531 \$ 777 \$. \$. \$. \$. \$. \$ 1,454 \$ 1,531 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$		\$	1,454	\$	1,531		77			Ŧ	\$	1,454	\$ 1,531	+	77
OZARK - CAMPUS BUILDINGS						\$ -	_			\$ -	\$	-	\$ -	\$	-
Savings due to interior and exterior lighting retrofit \$ 13,393 \$ 14,098 \$ 705 \$ \$ \$ \$ \$ \$ 13,393 \$ 14,098 \$ 705 \$ \$ \$ \$ \$ \$ \$ 13,393 \$ 14,098 \$ 705 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ 13,393 \$ 14,098 \$ 705 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Sub-total:	\$	1,454	\$	1,531	\$	77	\$ -	\$ -	\$ -	\$	1,454	\$ 1,531	\$	77
* Savings due to interior and exterior lighting retrofit	OZARK - CAMPUS BUILDINGS														
Sub-total: \$ 13,393 \$ 14,098 \$ 705 \$. \$. \$. \$. \$ 13,393 \$ 14,098 \$ 705 \$. \$. \$. \$. \$. \$ 13,393 \$ 14,098 \$ 705 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$															
LAKE POINT - ALL CAMPUS BUILDINGS Savings **Savings due to interior and exterior lighting retrofit \$ 13,176	* Savings due to interior and exterior lighting retrofit	\$	13,393	\$	14,098	\$ 7	05			\$ -	\$	13,393	\$ 14,098	\$	705
LAKE POINT - ALL CAMPUS BUILDINGS Savings **Savings due to interior and exterior lighting retrofit \$ 13,176	Sub-total:	Ś	13.393	Ś	14.098	\$ 7	05	Ś -	\$ -	\$ -	Ś	13.393	\$ 14.098	Ś	705
* Savings due to interior and exterior lighting retrofit			.,	Ė	,							-,	, ,,,,,,		
Sub-total: \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ 13,176 \$ 13,870 \$ 693 \$ - \$ \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ 14,453 \$ 15,213 \$ 14,453 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,213 \$ 14,453 \$ 15,															
OTHER MISCELLANEOUS	* Savings due to interior and exterior lighting retrofit	\$	13,176	\$	13,870	\$ 6	93			\$ -	\$	13,176	\$ 13,870	\$	693
OTHER MISCELLANEOUS	Sub-total:	\$	13,176	\$	13,870	\$ 6	93	\$ -	\$ -	\$ -	\$	13,176	\$ 13,870	\$	693
* Savings due to exterior lighting retrofit at all (3) campuses and interior lighting at the Lake Point Conference Center															
Lake Point Conference Center \$ 14,453 \$ 15,213 \$ 761 \$ \$. \$ 14,453 \$ 15,213 \$ 761 \$. \$. \$. \$. \$. \$. \$. \$. \$. \$															
Sub-total: \$ 14,453 \$ 15,213 \$ 761 \$ - \$ - \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 761 \$ - \$ \$ - \$ \$ 14,453 \$ 15,213 \$ 161 \$ - \$ \$ 141 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1 \$ 1		١.													
PUBLIC WORKS BUILDING	Lake Point Conference Center	Ş	14,453	\$	15,213	\$ /	61			\$ -	\$	14,453	\$ 15,213	\$	/61
Savings * Savings due to interior and exterior lighting retrofit \$ 2,675 \$ 2,815 \$ 141 \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	Sub-total:	\$	14,453	\$	15,213	\$ 7	61	\$ -	\$ -	\$ -	\$	14,453	\$ 15,213	\$	761
* Savings due to interior and exterior lighting retrofit \$ 2,675 \$ 2,815 \$ 141 \$ \$. \$ 5 . \$ 2,675 \$ 2,815 \$ 141 \$ \$. \$ 5 . \$ 2,675 \$ 2,815 \$ 141 \$ \$. \$ 5 . \$ 5 . \$ 5 . \$ 5 . \$ 5 . \$ 141 \$ 5 . \$ 5 . \$ 5 . \$ 5 . \$ 5 . \$ 5 . \$ 141 \$ 5 . \$ 5	PUBLIC WORKS BUILDING														
Sub-total: \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ 2,675 \$ 2,815 \$ 141 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		_	2.675	<u>^</u>	2.045							2.67=	ć 20:-		444
ENERGY LEADERSHIP Savings Savi	* Savings due to interior and exterior lighting retrofit	Ş	2,6/5	\$	2,815	> 1	41			> -	\$	2,6/5	\$ 2,815	Ş	141
ENERGY LEADERSHIP Savings Savi	Sub-total:	\$	2,675	\$	2,815	\$ 1	41	\$ -	\$ -	\$ -	\$	2,675	\$ 2,815	\$	141
* Savings due to alteration of energy culture and behaviors of staff and students - Energy \$ 185,592 \$ 182,008 \$ (3,584) \$ - \$ - \$ 5 185,592 \$ 182,008 \$ (3,584) \$ - \$ 5 11,584 \$ 5 1.584 \$ 5 - \$ 5 185,592 \$ 182,008 \$ (3,584) \$ 5 - \$ 5 19,7176 \$ 193,592 \$ (3,584) \$ 5 - \$ 5 197,176 \$ 193,592 \$ (3,584) \$ 5 - \$ 5 197,176 \$ 193,592 \$ (3,584) \$ 5 - \$ 5 197,176 \$ 193,592 \$ (3,584) \$ 5 - \$ 5 197,176 \$ 193,592 \$ (3,584) \$ 5 - \$ 5 197,176 \$ 193,592 \$ (3,584) \$ 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ENERGY LEADERSHIP														
* Savings due to alteration of energy culture and behaviors of staff and students - Water Sub-total: \$ 185,592 \$ 182,008 \$ (3,584) \$ - \$ - \$ - \$ 197,176 \$ 193,592 \$ (3,584) \$ - \$ - \$ - \$ 197,176 \$ 193,592 \$ (3,584) \$ - \$ - \$ - \$ - \$ 197,176 \$ 193,592 \$ (3,584) \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$		Ĺ.													
Sub-total: \$ 185,592 \$ 182,008 \$ (3,584) \$ - \$ - \$ - \$ 197,176 \$ 193,592 \$ (3,584)		\$	185,592	\$	182,008	\$ (3,5	84)	Ş -	\$ -	Ş -	\$			\$	(3,584)
	Savings due to alteration or energy culture and behaviors or staff and students - Water	1					-				ş	11,384	y 11,564	۶	_
TOTAL \$ 379,998 \$ 397,010 \$ 17,012 \$ 17,455 \$ 59,946 \$ 42,492 \$ 409,036 \$ 468,540 \$ 59,503								\$ -	\$ -	\$ -	\$			\$	(3,584)
	TOTAL	\$	379,998	\$	397,010	\$ 17,0	12	\$ 17,455	\$ 59,946	\$ 42,492	\$	409,036	\$ 468,540	\$	59,503





Utility Bill Savings

Arkansas Tech University

								EL	E <i>C</i>	TRIC							
	Timeframe																
Base	Current	Month		Current Year Base Year Savings													
Year	Year		Usage (kWh)		Rate / kWh)	F	Raw Costs (\$)	Usage (kWh)	(5	Rate 5 / kWh)		Costs (\$)	Usage (kWh)	(\$	Rate / kWh)	9	Savings (\$)
2016	2020	Jan	1,765,948	\$	0.0677	\$	107,401	2,004,357	\$	0.0611	\$	123,258	238,409	\$	0.0677	\$	16,139
2016	2020	Feb	1,763,164	\$	0.0677	\$	119,149	1,979,388	\$	0.0611	\$	120,983	216,224	\$	0.0677	\$	14,637
2016	2020	Mar	1,822,208	\$	0.0677	\$	121,614	2,144,172	\$	0.0611	\$	131,779	321,964	\$	0.0677	\$	21,795
2016	2020	Apr	1,687,421	\$	0.0677	\$	108,895	2,284,456	\$	0.0611	\$	132,535	597,035	\$	0.0677	\$	40,416
2016	2020	May	1,883,105	\$	0.0677	\$	134,146	2,402,086	\$	0.0611	\$	149,386	518,980	\$	0.0677	\$	35,132
2016	2020	June	2,015,557	\$	0.0677	\$	149,349	2,604,241	\$	0.0611	\$	167,779	588,685	\$	0.0677	\$	39,851
2016	2020	July	2,266,431	\$	0.0677	\$	158,008	2,996,457	\$	0.0611	\$	192,179	730,025	\$	0.0677	\$	49,419
2016	2020	Aug	2,503,380	\$	0.0677	\$	180,280	3,112,942	\$	0.0611	\$	204,634	609,562	\$	0.0677	\$	41,264
2016	2020	Sept	2,300,958	\$	0.0677	\$	157,734	2,949,302	\$	0.0611	\$	182,133	648,344	\$	0.0677	\$	43,889
2016	2020	Oct	2,095,097	\$	0.0677	\$	136,847	2,823,129	\$	0.0611	\$	161,145	728,032	\$	0.0677	\$	49,284
2016	2020	Nov	1,761,842	\$	0.0677	\$	115,386	2,258,555	\$	0.0611	\$	128,025	496,713	\$	0.0677	\$	33,625
2016	2020	Dec	1,587,891	\$	0.0677	\$	98,835	1,870,407	\$	0.0611	\$	105,716	282,516	\$	0.0677	\$	19,125
	Total		23,453,003	\$	0.0677	\$	1,587,644	29,429,494	\$	0.0611	\$	1,799,552	5,976,491	\$	0.0677	\$4	04,577

Energy Leadership Performance	e S	Summary
Actual Energy Savings	\$	456,956
Measured & Verified Savings from Improvements	\$	(274,947)
Energy Leadership Savings	\$	182,008

	Timeframe			GAS													
Base	Current	Month		Curre	ent Year				Base	Year				Savings			
Year	Year		Weather (HDD)	Usage (Therms)	Rate (\$ / Therm)	Raw Costs (\$)	Weather (HDD)	Usage (Therms)	Rate (\$ / Therm)	Costs (\$)	Weather Adjustment	Adj. Usage (therms)	Usage (Therms)	Rate (\$ / Therm)	Savings (\$)		
2016	2020	Jan	641	128,493	\$ 0.3350	\$40,608	755	146,096	\$ 0.4377	\$ 54,905	0.85	124,037	(4,456)	\$ 0.4377	\$ (1,950)		
2016	2020	Feb	574	97,747	\$ 0.3350	\$30,499	480	118,593	\$ 0.4377	\$ 48,864	1.20	141,817	44,071	\$ 0.4377	\$ 19,290		
2016	2020	Mar	233	88,349	\$ 0.3350	\$33,595	268	89,910	\$ 0.4377	\$ 34,561	0.87	78,168	(10,182)	\$ 0.4377	\$ (4,457)		
2016	2020	Apr	184	72,714	\$ 0.3350	\$24,024	71	70,046	\$ 0.4377	\$ 27,143	2.59	181,527	108,813	\$ 0.4377	\$ 47,629		
2016	2020	May	43	53,139	\$ 0.3350	\$17,654	28	53,401	\$ 0.4377	\$ 22,293	1.00	53,401	263	\$ 0.4377	\$ 115		
2016	2020	June	-	45,017	\$ 0.3350	\$14,537	-	37,822	\$ 0.4377	\$ 17,802	1.00	37,822	(7,195)	\$ 0.4377	\$ (3,149)		
2016	2020	July	-	44,568	\$ 0.3350	\$12,324	-	35,766	\$ 0.4377	\$ 20,807	1.00	35,766	(8,802)	\$ 0.4377	\$ (3,853)		
2016	2020	Aug	-	45,275	\$ 0.3350	\$14,292	-	43,067	\$ 0.4377	\$ 22,630	1.00	43,067	(2,207)	\$ 0.4377	\$ (966)		
2016	2020	Sept	6	46,479	\$ 0.3350	\$17,099	-	44,852	\$ 0.4377	\$ 23,683	1.00	44,852	(1,627)	\$ 0.4377	\$ (712)		
2016	2020	Oct	172	79,030	\$ 0.3350	\$20,584	24	53,392	\$ 0.4377	\$ 27,189	1.00	53,392	(25,638)	\$ 0.4377	\$ (11,222)		
2016	2020	Nov	294	78,553	\$ 0.3350	\$31,415	262	83,758	\$ 0.4377	\$ 35,723	1.12	93,988	15,435	\$ 0.4377	\$ 6,756		
2016	2020	Dec	673	117,481	\$ 0.3350	\$43,781	693	132,496	\$ 0.4377	\$ 62,367	0.97	128,672	11,192	\$ 0.4377	\$ 4,899		
	Total		2,820	896,843	\$ 0.3350	\$ 300,413	2,581	909,198	\$ 0.4377	\$ 397,966	1.09	1,016,509	119,665	\$ 0.4377	\$ 52,379		

Total Utility Savings: \$ 456,956





		Lighting	Sav	ings		
Facility Name	kW	kWh		kW \$	kWh \$	Total (\$)
Nutt Residence Hall	25	96,150	\$	572	\$ 3,143	\$ 3,715
Dean Hall (DN)	37	155,134	\$	834	\$ 5,071	\$ 5,906
Turner Residence Hall	2	9,962	\$	52	\$ 326	•
Paine Residence Hall	14	51,204	\$	319	\$ 1,674	\$ 1,993
Witherspoon Hall (WPN)	75	299,794	\$	1,706	\$ 9,800	\$ 11,506
Ross Pendergraft Library and Technology Center (RPL)	61	244,910	\$	1,385	\$ 8,006	\$ 9,391
McEver Hall, Annex, & Addition 2	51	213,155	\$	1,152	\$ 6,968	
Corley Hall (COR)	47	181,628	\$	1,075	\$ 5,937	\$ 7,012
Energy Center (CES)	8	31,170	\$	172	\$ 1,019	\$ 1,191
Doc Bryan Student Services Center (SSC)	38	166,794	\$	854	\$ 5,452	\$ 6,307
Tucker Coliseum	65	242,258	\$	1,477	\$ 7,919	\$ 9,396
Hughes Residence Hall	5	16,504	\$	104	\$ 540	•
Chambers Cafeteria	29	110,941	\$	660	\$ 3,627	\$ 4,286
Techionery (TEC)	20	73,259	\$	459	\$ 2,395	\$ 2,854
M Street Residence Hall	7	27,685	\$	163	\$ 905	\$ 1,068
Tomlinson Hall (TOM) Administration Building	25 22	94,362 62,974	\$	564 489	\$ 3,085 \$ 2,059	\$ 3,649 \$ 2,547
Crabaugh Hall (CRA)	32	119,769	\$	718	\$ 2,059	\$ 2,547
Hull Physical Education Building (HULL)	116	446,378	\$	2,639	\$ 14,592	\$ 17,231
Browning Hall	7	20,892	\$	156	\$ 683	\$ 839
Caraway Residence Hall	7	28,453	\$	159	\$ 930	
Norman Hall (NOR)	24	90,161	\$	552	\$ 2,947	\$ 3,499
Baswell Residence Hall	17	68,208	\$	378	\$ 2,230	\$ 2,608
Facilities Management	16	70,757	\$	81	\$ 4,261	\$ 4,343
Rothwell Hall (RTH)	41	137,686	\$	933	\$ 4,501	\$ 5,434
Baswell Techionery	7	37,137	\$	160	\$ 1,214	\$ 1,374
Brown Hall (RCB)	22	54,838	\$	492	\$ 1,793	\$ 2,285
Morton Hall	4	18,001	\$	20	\$ 1,084	\$ 1,104
Baseball Field	3	9,287	\$	62	\$ 304	
Public Safety	1	2,676	\$	16	\$ 87	\$ 104
Alumni House	3	11,955	\$	72	\$ 391	\$ 463
Thone Stadium	11	50,159	\$	242	\$ 1,640	\$ 1,881
Stadium Suites Student Housing	8	28,773	\$	-	\$ 2,363	\$ 2,363
Chartwells Women's Sports Complex	25	95,898	\$	126	\$ 5,775	\$ 5,901
Fisheries and Wildlife Engineering Lab	3	18,105	\$	13	\$ 1,090	\$ 1,103
Ozark Campus- Collegiate Center	15	64,786	\$	75	\$ 3,901	\$ 3,976
Ozark Campus- Adult Education	6	24,890	\$	32	\$ 1,499	\$ 1,531
Ozark - Campus Buildings	58	229,226	\$	294	· · · · · · · · · · · · · · · · · · ·	
Lake Point - All Campus Buildings	62	225,072	\$	316		
Other Misc.	0	390,588	\$	1	\$ 15,213	\$ 15,213
Public Works Building	13	45,660	\$	66		
Total:	1,031	4,367,242	\$	19,638		
				- /		





Fume Hood Savings						
Facility Name	Project	kWh	Electric	Therm	Gas Savings	
		Savings	Savings (\$)	Savings	(\$)	
Chambers Cafeteria	VAV Retrofit	78,066	\$ 2,552	\$14,170	\$	5,765
Baswell Techionery	VAV Retrofit	56,132	\$ 1,835	\$ 4,352	\$	3,344
McEver Hall	Fume Hood VAV Retrofit	689,176	\$ 22,529	\$72,481	\$	50,837
		823,374	\$ 26,916	91,003	\$	59,946
		Grand Total Savings		\$	86,862	