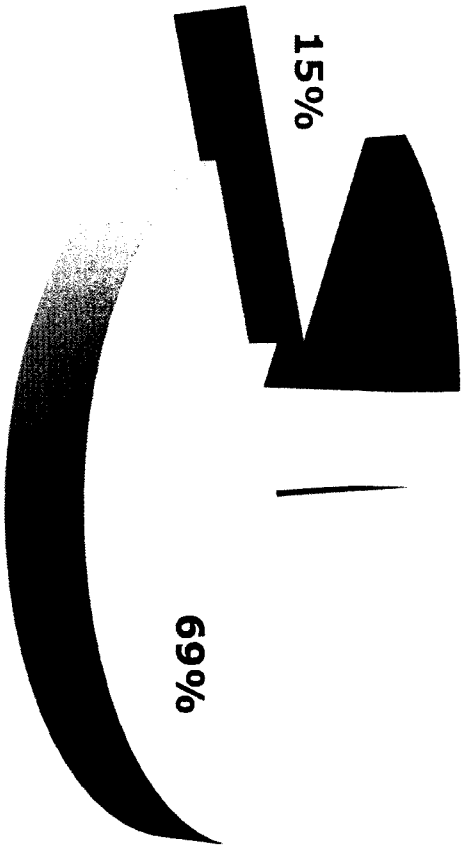


# Utility Usage Analysis

	Electric	Natural Gas	Water	All
Usage (kWh)		Usage (Therm s)	Usage (KGal)	
2,996,212		90,572	146,975	
Total Charges (\$)	\$254,678	Total Charges (\$)	Total Charges (\$)	Total Charges (\$)
		\$54,343	\$58,790	\$357,812

Annual Percent Cost Per Utility



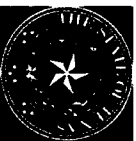
May 4, 2015  
(Exhibit #1)



Brown County

# Buildings Performance Analysis

Building	Sqft	Age	Energy Used (kwh)	NG Usage (Therms)	Electrical Cost (\$)	NG Cost (\$)	Energy Cost Index (\$/sqft)	Energy Use Index (20-50)	Savings Potential (%)
Juvenile Justice Center	56,937	1970	2,103,042	12,885	\$149,316	\$7,860	\$2.76	148.69	66.40%
Law Enforcement Center	77,029	2000	1,001,070	40,429	\$71,076	\$24,662	\$1.24	96.84	48.40%
Courthouse	33,948	1917	448,225	7,978	\$31,824	\$4,866	\$1.08	68.56	27.10%
County Extension Office	5,280	1960	47,324	131	\$3,360	\$80	\$0.65	33.07	24.40%
PCT 2 Barn	1,800	1960	13,859	0	\$984	\$0	\$0.55	26.28	23.90%
PCT 4 Barn	2,400	1960	16,563	0	\$1,176	\$0	\$0.49	23.55	15.10%
PCT 3 Barn	2,400	1960	14,873	0	\$1,056	\$0	\$0.44	21.15	5.40%
PCT 1 Barn	13,382	1960	54,930	0	\$3,900	\$0	\$0.29	14.01	4.20%
Museum (Center)	4,902	1903	26,366	68	\$1,872	\$41	\$0.39	19.74	3.70%
Museum (Old Jail)	5,530	1903	28,732	83	\$2,040	\$51	\$0.38	19.24	1.20%
Old Jail (not in use)	19,000	1980	-	-	-	-	-	-	-



Brown County

# Brown County Aging Facilities

Typical County Equipment	Quantity (Replace or Upgrade/Total)	Age	Expected Life Expectancy*	Remaining Life Expectancy
RTUs/Splits	71/92	2 to 35	15	13 to -20
Boilers - Steam/HW	2/2	18	25	7
Controls - Pneumatic/DDC	>224 zones	N/A	20	N/A
Lighting**	1950/300	2 to 65	10	8 to -55
Emergency Lighting	55/200	2 to 35	10	8 to -25
Chiller	1/1	18	20	2
Pumps (CHW/HW/CW/COND RET)	4/4	18	20	2
Plumbing fixtures**	350/350	5 to 65	20	15 to -45
Plumbing Piping (feet)	TBD/1153	7 to 65	30	21 to -35
HVAC Piping/Ductwork	TBD	7 to 65	30	21 to -16
Roofing	1/18	2 to 40	15 to 30	28 to -15
Foundation	1/18	2 to 105	N/A	N/A
Weatherization	18/18	2 to 105	N/A	N/A
Notes:				

\* Source: Estimated Useful Lives of Depreciable Assets / ASHRAE Service Life  
 \*\* Lighting and plumbing fixtures are blended ages as some are new and some are original



Brown County

# Preliminary Scope of Work

Scope of Work	Imminent Failure/Need	Energy Efficiency	Deferred Maintenance	Safety/Code
Lighting	X	X	X	X
Emergency Lighting	X	X	X	X
Lighting Controls		X		
Plumbing	X	X	X	
Plumbing Piping	X	X	X	
Water / Smart Irrigation		X		
High Efficiency Washers/Dryers		X	X	
Trash Compaction		X	X	
Retrcommissioning		X	X	
Mechanical Systems Redesign	X	X	X	
HVAC Replacements (Many)	X	X	X	
HVAC Controls		X		
Chiller Replacement (Courthouse)	X	X	X	
Boiler Replacement (Courthouse)	X	X	X	
3rd Floor Remodel (Courthouse)		X	X	
Roofing (Juv. Justice Center)	X	X	X	X
Roof Access (Many Sites)	X		X	X
Foundation Repair (Juv. Justice)	X		X	X
Security, Limited Access Doors				X
Elevator Repair	X		X	X
Weatherization	X	X	X	
Electrical Distribution Stabilization	X	X	X	X



Brown County

# Project Pro Forma

Annual Savings	
Energy Savings (11%)	\$39,359
O&M Savings	\$95,000
Capital Cost Avoidance Savings	\$300,000
Total Annual Savings	\$434,359
<b>Project Total Analysis (15 years)</b>	
Energy & O&M Savings	\$2,015,385
Capital Cost Avoidance Savings	\$4,500,000
<b>Total Project Savings</b>	<b>\$6,515,385</b>
(Total Project Cost)	(\$6,000,000)



Brown County