



Arkansas Tech Univeristy - All Facilities Proforma - Preliminary 15 Year Financial Cash Flow Model  
Guaranteed Energy Savings Contract Restoring Facilities through Capital Infrastructure Improvements and Energy Conservation

Campus Energy Savings Project

Potential Project 15 Year Cash Flow Analysis PHASE I

	Construction Period	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034
Guaranteed Annual Avoided Energy Costs	\$300,000	\$510,812	\$526,136	\$541,920	\$558,178	\$574,923	\$592,171	\$609,936	\$628,234	\$647,081	\$666,494	\$686,489	\$707,083	\$728,296	\$750,145	\$772,649
Annual Operational Savings	\$0	\$95,275	\$98,133	\$101,077	\$104,110	\$107,233	\$110,450	\$113,763	\$117,176	\$120,692	\$124,312	\$128,042	\$131,883	\$135,839	\$139,915	\$144,112
Annual Payment/Maintenance Contribution	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Annual Savings / Contribution	\$300,000	\$606,087	\$624,270	\$642,998	\$662,288	\$682,156	\$702,621	\$723,700	\$745,411	\$767,773	\$790,806	\$814,530	\$838,966	\$864,135	\$890,059	\$916,761
Annual Amortization Schedule		\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813	\$493,813
Annual Service and M&V Costs	\$0	\$0	\$0	\$5,340	\$5,447	\$5,556	\$5,667	\$5,780	\$5,896	\$6,014	\$6,134	\$6,257	\$6,382	\$6,509	\$6,640	\$6,772
Total Annual Costs	\$0	\$493,813	\$493,813	\$499,153	\$499,260	\$499,369	\$499,480	\$499,593	\$499,709	\$499,827	\$499,947	\$500,070	\$500,195	\$500,323	\$500,453	\$500,586
Annual Guaranteed Net Cash Flow	\$300,000	\$112,274	\$130,456	\$143,845	\$163,028	\$182,787	\$203,141	\$224,106	\$245,702	\$267,946	\$290,859	\$314,460	\$338,771	\$363,813	\$389,606	\$416,175
Annual Cumulative Savings	\$300,000	\$412,274	\$542,730	\$686,575	\$849,602	\$1,032,390	\$1,235,531	\$1,459,637	\$1,705,338	\$1,973,284	\$2,264,143	\$2,578,604	\$2,917,375	\$3,281,187	\$3,670,794	\$4,086,969
Financial Summary																
Net Project Cash Flow	\$4,086,969															

Project Financial Assessment Criteria

Budgeted Capital Costs	\$6,481,444
Ark Tech Contribution	\$222,869
Utility Incentives or Rebates	\$447,847
Net Cost to Finance	\$5,810,728

Financial Amortization Criteria

Financial Term in Years	15
Interest Rate	3.20%
Annual O&M Escalation	3.00%
Annual Utility Escalation	3.00%

Input Data		
	Construction Period Savings	\$0
First Year Numbers	2018	
	Guaranteed Energy Savings	\$409,037
	Maintenance and Repair Savings	\$101,775
	Capital Cost Avoidance	\$0
	Service and M&V Costs	\$0

