

# Central Islip Union Free School District Comprehensive Energy Audit (CEA)

## Financial Summary, Cash Flow Pro-Forma

### Central Islip Union Free School District - Pro-Forma

Initial Project Costs	
Improvements	18
Term of Project, years	15
District A/E Design Costs (ECG)	\$98,989
5.00%	
Implementation Cost for Energy Conservation Measures	\$7,036,338
<b>Total Initial Project Costs</b>	<b>\$7,423,335</b>
Estimated Rebates and Incentives (Guaranteed)	\$253,866

Financial Assumptions	
State-Wide Average Interest Rate	2.125%
Payments for Financing	See Below
SED Contribution Ratio	80.0%
Annual Energy Escalation Rate	2.00%
Annual M&V Cost Escalation Rate	0.00%
District A/E Design and Specifications	5.50%
Construction Interest Accrue (months)	12
<b>Project Simple Payback, Yrs (A + VII) ÷ V</b>	<b>17.3</b> with 3 yrs. of M&V

Line #	Description	Notes	Initial Values	1	2	3	4	5	6	7	8	9	10
I	Annual Energy Costs Without Improvements		\$ 1,457,675	\$ 1,486,829	\$ 1,516,965	\$ 1,546,897	\$ 1,577,834	\$ 1,609,391	\$ 1,641,579	\$ 1,674,411	\$ 1,707,899	\$ 1,742,057	\$ 1,776,898
II	Annual Energy Costs With Improvements		\$ 1,092,737	\$ 1,114,592	\$ 1,136,883	\$ 1,159,621	\$ 1,182,814	\$ 1,206,470	\$ 1,230,599	\$ 1,255,211	\$ 1,280,315	\$ 1,305,922	\$ 1,332,040
III	Annual Energy Cost Savings	III	\$ 364,938	\$ 372,237	\$ 379,882	\$ 387,275	\$ 395,021	\$ 402,921	\$ 410,980	\$ 419,199	\$ 427,583	\$ 436,135	\$ 444,858
IIIc	Estimated Rebates and Incentives (Guaranteed)		\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866
IV	O&M Savings		\$ 52,781	\$ 44,370	\$ 45,257	\$ 46,163	\$ 47,086	\$ 48,028	\$ 48,988	\$ 49,968	\$ 50,967	\$ 51,987	\$ 53,026
V	Total Project Savings		\$ 671,385	\$ 670,473	\$ 674,939	\$ 679,438	\$ 684,007	\$ 688,649	\$ 693,356	\$ 698,127	\$ 702,953	\$ 707,835	\$ 712,773
VI	Payment for Financing	III+IV	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830
VII	Payment for On-Going Services	3 years	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291
VIII	O&M Costs (CHP)		\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545
IX	Net Annual Benefits (V+VII)-(VI-VIII)		\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060
X	State Financial Assistance		\$ 415,873	\$ 169,742	\$ 177,633	\$ 191,768	\$ 200,119	\$ 208,617	\$ 217,285	\$ 226,126	\$ 235,144	\$ 244,342	\$ 243,717
XI	Net Annual Benefits (IX+X)		\$ 415,873	\$ 585,615	\$ 763,248	\$ 955,036	\$ 1,155,155	\$ 1,363,773	\$ 1,581,057	\$ 1,807,184	\$ 2,042,328	\$ 2,286,670	\$ 2,526,895
XII	Cumulative Cash Flow		\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895
XIII	NPV of Cash Flow		\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895

### Pro-Forma

Line #	Description	Notes	Initial Values	YEAR										Total
				1	2	3	4	5	6	7	8	9	10	
I	Annual Energy Costs Without Improvements		\$ 1,457,675	\$ 1,486,829	\$ 1,516,965	\$ 1,546,897	\$ 1,577,834	\$ 1,609,391	\$ 1,641,579	\$ 1,674,411	\$ 1,707,899	\$ 1,742,057	\$ 1,776,898	
II	Annual Energy Costs With Improvements		\$ 1,092,737	\$ 1,114,592	\$ 1,136,883	\$ 1,159,621	\$ 1,182,814	\$ 1,206,470	\$ 1,230,599	\$ 1,255,211	\$ 1,280,315	\$ 1,305,922	\$ 1,332,040	
III	Annual Energy Cost Savings	III	\$ 364,938	\$ 372,237	\$ 379,882	\$ 387,275	\$ 395,021	\$ 402,921	\$ 410,980	\$ 419,199	\$ 427,583	\$ 436,135	\$ 444,858	
IIIc	Estimated Rebates and Incentives (Guaranteed)		\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	
IV	O&M Savings		\$ 52,781	\$ 44,370	\$ 45,257	\$ 46,163	\$ 47,086	\$ 48,028	\$ 48,988	\$ 49,968	\$ 50,967	\$ 51,987	\$ 53,026	
V	Total Project Savings		\$ 671,385	\$ 670,473	\$ 674,939	\$ 679,438	\$ 684,007	\$ 688,649	\$ 693,356	\$ 698,127	\$ 702,953	\$ 707,835	\$ 712,773	
VI	Payment for Financing	III+IV	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	
VII	Payment for On-Going Services	3 years	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	
VIII	O&M Costs (CHP)		\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	\$ 24,545	
IX	Net Annual Benefits (V+VII)-(VI-VIII)		\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	
X	State Financial Assistance		\$ 415,873	\$ 169,742	\$ 177,633	\$ 191,768	\$ 200,119	\$ 208,617	\$ 217,285	\$ 226,126	\$ 235,144	\$ 244,342	\$ 243,717	
XI	Net Annual Benefits (IX+X)		\$ 415,873	\$ 585,615	\$ 763,248	\$ 955,036	\$ 1,155,155	\$ 1,363,773	\$ 1,581,057	\$ 1,807,184	\$ 2,042,328	\$ 2,286,670	\$ 2,526,895	
XII	Cumulative Cash Flow		\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	
XIII	NPV of Cash Flow		\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	\$ 5,266,895	

### YEAR

Line #	Description	YEAR										Total	
		11	12	13	14	15	16	17	18	19	20		
I	Annual Energy Costs Without Improvements	\$ 1,812,436	\$ 1,848,685	\$ 1,885,858	\$ 1,923,371	\$ 1,961,839	\$ 2,001,076	\$ 2,041,097	\$ 2,081,919	\$ 2,123,541	\$ 2,165,963	\$ 2,209,185	\$ 2,253,207
II	Annual Energy Costs With Improvements	\$ 1,358,681	\$ 1,385,855	\$ 1,413,572	\$ 1,441,843	\$ 1,470,680	\$ 1,500,094	\$ 1,530,096	\$ 1,560,697	\$ 1,591,907	\$ 1,623,736	\$ 1,656,184	\$ 1,689,251
III	Annual Energy Cost Savings	\$ 453,755	\$ 462,830	\$ 472,086	\$ 481,528	\$ 491,159	\$ 500,982	\$ 511,002	\$ 521,222	\$ 531,645	\$ 542,272	\$ 553,104	\$ 564,246
IIIc	Estimated Rebates and Incentives (Guaranteed)		\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866	\$ 253,866
IV	O&M Savings	\$ 54,087	\$ 45,676	\$ 46,562	\$ 47,468	\$ 48,394	\$ 49,339	\$ 50,303	\$ 51,285	\$ 52,285	\$ 53,303	\$ 54,339	\$ 55,394
V	Total Project Savings	\$ 507,842	\$ 517,998	\$ 528,358	\$ 538,926	\$ 549,704	\$ 560,698	\$ 571,912	\$ 583,350	\$ 595,022	\$ 606,926	\$ 619,062	\$ 631,429
VI	Payment for Financing	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830	\$ 644,830
VII	Payment for On-Going Services	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291	\$ 91,291
VIII	O&M Costs (CHP)	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347	\$ 29,347
IX	Net Annual Benefits (V+VII)-(VI-VIII)	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335	\$ 264,335
X	State Financial Assistance	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060	\$ 420,060
XI	Net Annual Benefits (IX+X)	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725	\$ 263,725
XII	Cumulative Cash Flow	\$ 2,540,394	\$ 2,803,689	\$ 3,076,744	\$ 3,359,757	\$ 3,650,095	\$ 3,948,178	\$ 4,253,525	\$ 4,565,840	\$ 4,884,835	\$ 5,209,210	\$ 5,538,665	\$ 5,872,895