Cash Flow Analysis with ESSER Funds

Guaranteed Energy Savings Contract - Phase II

FOR

Covington Independent Schools

May 18, 2022

Year	Annual Utility Cost Savings (3% escalation)	Annual Operation & Maintenance Cost Savings (3% escalation)	Annual Gross Savings ($)	General Funds GESC Bond Payment ($)	Restricted Bond Payment ($)	ESSER Fund Contribution ($)	Total Debt Service ($)	Annual Measurement and Verfication Cost (0% escalation)	General Fund Net Cash Flow ($)	Cumulative GF Net Cash Flow ($)
Construction (2022-2023)	$ 79,433	$ 3,507	$ 82,940		$ (366,377)		$ (366,377)		$ 82,940	$ 82,940
1 - 2024	$ 264,776	$ 11,690	$ 276,466	$ -	$ (173,375)	$ (7,879,588)	$ (173,375)	*Measurement and Verification covered by Phase I Guarantee through June 2038*	$ 276,466	$ 359,405
2 - 2025	$ 272,719	$ 12,041	$ 284,759	$ -	$ (166,625)	$ -	$ (166,625)		$ 284,759	$ 644,165
3 - 2026	$ 280,900	$ 12,402	$ 293,302	$ -	$ (154,838)	$ -	$ (154,838)		$ 293,302	$ 937,467
4 - 2027	$ 289,327	$ 12,774	$ 302,101	$ -	$ (193,188)	$ -	$ (193,188)		$ 302,101	$ 1,239,568
5 - 2028	$ 298,007	$ 13,157	$ 311,164	$ -	$ (185,338)	$ -	$ (185,338)		$ 311,164	$ 1,550,733
6 - 2029	$ 306,947	$ 13,552	$ 320,499	$ -	$ (192,638)	$ -	$ (192,638)		$ 320,499	$ 1,871,232
7 - 2030	$ 316,156	$ 13,958	$ 330,114	$ -	$ (234,388)	$ -	$ (234,388)		$ 330,114	$ 2,201,346
8 - 2031	$ 325,641	$ 14,377	$ 340,018	$ -	$ (234,675)	$ -	$ (234,675)		$ 340,018	$ 2,541,364
9 - 2032	$ 335,410	$ 14,808	$ 350,218	$ -	$ (224,425)	$ -	$ (224,425)		$ 350,218	$ 2,891,582
10 - 2033	$ 345,472	$ 15,253	$ 360,725	$ -	$ (214,350)	$ -	$ (214,350)		$ 360,725	$ 3,252,307
11 - 2034	$ 355,836	$ 15,710	$ 371,547	$ -	$ (209,450)	$ -	$ (209,450)		$ 371,547	$ 3,623,853
12 - 2035	$ 366,511	$ 16,182	$ 382,693	$ -	$ (199,200)	$ -	$ (199,200)		$ 382,693	$ 4,006,546
13 - 2036	$ 377,507	$ 16,667	$ 394,174	$ -	$ (183,800)	$ -	$ (183,800)		$ 394,174	$ 4,400,720
14 - 2037	$ 388,832	$ 17,167	$ 405,999	$ -	$ (188,800)	$ -	$ (188,800)		$ 405,999	$ 4,806,719
15 - 2038	$ 400,497	$ 17,682	$ 418,179	$ -	$ (168,400)	$ -	$ (168,400)	$ (8,000)	$ 410,179	$ 5,216,898
16 - 2039	$ 412,512	$ 18,213	$ 430,724	$ -	$ (218,600)	$ -	$ (218,600)	$ (8,000)	$ 422,724	$ 5,639,622
17 - 2040	$ 424,887	$ 18,759	$ 443,646	$ -	$ (206,600)	$ -	$ (206,600)	$ (8,000)	$ 435,646	$ 6,075,268
18 - 2041	$ 437,634	$ 19,322	$ 456,955	$ -	$ (269,800)	$ -	$ (269,800)	$ (8,000)	$ 448,955	$ 6,524,224
19 - 2042	$ 450,763	$ 19,901	$ 470,664	$ -	$ (525,200)	$ -	$ (525,200)	$ (8,000)	$ 462,664	$ 6,986,888
20 - 2043	$ 464,286	$ 20,498	$ 484,784	$ -		$ -	$ -	$ (8,000)	$ 476,784	$ 7,463,672
Sum	**$ 7,194,052**	**$ 317,620**	**$ 7,511,672**	**$ -**	**$ (4,510,064)**	**$ (7,879,588)**	**$ (4,143,688)**	**$ (48,000)**	**$ 7,463,672**	**$ 7,463,672**

Inputs	Value
Total Construction Cost	$10,788,608
ESSER Contribution Amount	$7,879,588
General Fund GESC Bond Amount	$0
Restricted Funds Bond Amount	$3,070,000
Fiscal Agent and Bond Counsel Fee	$15,350
Bond Discount	$57,630
Ratings and Paying Agent Fees	$18,000
Asbestos Consultation and Abatement	$70,000
Total Project Funds (ESSER + Restricted Bond)	$10,949,588

Inputs	Value
Interest rate =	4.00%
Term (years) =	20.0
Estimated Construction Period Savings	30.00%
Utility Escalation Rate	3.00%
O&M Escalation Rate	3.00%
Annual M&V Costs	$8,000
M&V Cost Escalation Rate	0.0%