

RESOLUTION 12-82

A RESOLUTION TO ENTER INTO AN AGREEMENT FOR PERFORMANCE CONTRACTING SERVICES WITH AMERESCO, RELATED TO DEVELOPMENT OF SOLAR POWER GENERATION AT CITY HALL

WHEREAS, the City of Spring Hill desires to save energy and operating costs, improve the working environment, and to minimize capital costs; and

WHEREAS, savings and performance are guaranteed by Ameresco at a fixed price; and

WHEREAS, Ameresco proposes to install solar panels producing green electric power on the roof at City Hall; and

NOW, THEREFORE BE IT RESOLVED by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee, authorizes entering into an agreement for Performance Contracting Services with Ameresco, related to the development of solar power generation at Spring Hill City Hall.

~~Passed and adopted by the Board of Mayor and Aldermen of the City of Spring Hill, Tennessee, on the 20th day of August, 2012.~~

Michael Dinwiddie, Mayor

ATTEST:

April Goad, City Recorder

LEGAL FORM APPROVED:

Timothy P. Underwood, City Attorney

Spring Hill Energy Project



47.5 kW GROUND MOUNT SYSTEM

City of Spring Hill-47.9kW + Lighting --> 12 Year Program

Project Funding									
Tumkey Project Cost (TPC):	\$393,126			Customer Contribution TVA Lighting Rebate					
Loan Origination Fee (\$6 per \$1M borrowed)	(\$1,000)								
Capital Contribution (TVA Grant ~26k)	\$25,000								
Financed Project Cost Balance (TPC-CC):	\$369,126								
Financing Type:	Fixed-TMBF								
Financing Interest Rate [1]:	2.50%								
Program Term:	12								

Year	Annual Costs			Cashflows					
	Annual Debt	Annual M&V Cost	Total Annual Cost	Lighting Savings Electric	Solar Generation	Total Savings & Generation	Annual O&M	Total Annual	Net Annual Cash Flow
	0.0% Esc.	3.0% Esc.	(B+C)	\$ 3.0% Esc.	\$	\$	\$ 3.0% Esc.	\$	\$
1	\$35,985	\$3,352	\$39,337	\$24,754	\$13,758	\$38,512	\$1,002	\$39,514	\$178
2	\$35,985	\$3,452	\$39,437	\$25,497	\$13,954	\$39,451	\$1,032	\$40,483	\$1,046
3	\$35,985	\$3,556	\$39,541	\$26,262	\$14,156	\$40,418	\$1,063	\$41,481	\$1,940
4	\$35,985	\$3,662	\$39,647	\$27,050	\$14,364	\$41,414	\$1,095	\$42,509	\$2,861
5	\$35,985	\$3,772	\$39,757	\$27,861	\$14,578	\$42,439	\$1,128	\$43,567	\$3,810
6	\$35,985	\$3,885	\$39,870	\$28,697	\$14,799	\$43,496	\$1,162	\$44,658	\$4,787
7	\$35,985	\$4,002	\$39,987	\$29,558	\$15,026	\$44,584	\$1,197	\$45,781	\$5,794
8	\$35,985	\$4,122	\$40,107	\$30,445	\$15,260	\$45,705	\$1,232	\$46,937	\$6,830
9	\$35,985	\$4,246	\$40,231	\$31,358	\$15,501	\$46,859	\$1,269	\$48,129	\$7,898
10	\$35,985	\$4,373	\$40,358	\$32,299	\$15,749	\$48,048	\$1,307	\$49,356	\$8,998
11	\$35,985	\$4,504	\$40,489	\$33,268	\$11,670	\$44,938	\$1,347	\$46,284	\$5,795
12	\$35,985	\$4,639	\$40,624	\$34,266	\$11,933	\$46,199	\$1,387	\$47,586	\$6,962
Totals:	\$431,821	\$47,565	\$479,386	\$351,316	\$170,747	\$522,063	\$14,222	\$536,285	\$56,898

City of Spring Hill-47.9kW + Lighting --> 11 Year Program

Project Funding		Customer Contribution Grant
Turnkey Project Cost (TPC):	\$393,126	
Loan Origination Fee (\$6 per \$1M borrowed)	(\$1,000)	
Capital Contribution (TVA Grant ~26k)	\$25,000	
Financed Project Cost Balance (TPC-CC):	\$369,126	
Financing Type:	Fixed-TMBF	
Financing Interest Rate [1]:	2.50%	
Program Term:	11	

Year	Annual Costs			Cashflows					
	Annual Debt	Annual M&V Cost	Total Annual Cost	Lighting Savings Electric \$	Solar Generation \$	Total Savings & Generation \$	Annual O&M \$	Total Annual \$	Net Annual Cash Flow (O-D)
	0.0% Esc.	3.0% Esc.		3.0% Esc.			3.0% Esc.		
1	\$38,797	\$3,352	\$42,149	\$24,754	\$13,758	\$38,512	\$1,002	\$39,514	-\$2,634
2	\$38,797	\$3,452	\$42,249	\$25,497	\$13,954	\$39,451	\$1,032	\$40,483	-\$1,766
3	\$38,797	\$3,556	\$42,353	\$26,262	\$14,156	\$40,418	\$1,063	\$41,481	-\$872
4	\$38,797	\$3,662	\$42,460	\$27,050	\$14,364	\$41,414	\$1,095	\$42,509	\$49
5	\$38,797	\$3,772	\$42,570	\$27,861	\$14,578	\$42,439	\$1,128	\$43,567	\$998
6	\$38,797	\$3,885	\$42,683	\$28,697	\$14,799	\$43,496	\$1,162	\$44,658	\$1,975
7	\$38,797	\$4,002	\$42,799	\$29,558	\$15,026	\$44,584	\$1,197	\$45,781	\$2,981
8	\$38,797	\$4,122	\$42,919	\$30,445	\$15,260	\$45,705	\$1,232	\$46,937	\$4,018
9	\$38,797	\$4,246	\$43,043	\$31,358	\$15,501	\$46,859	\$1,269	\$48,129	\$5,086
10	\$38,797	\$4,373	\$43,170	\$32,299	\$15,749	\$48,048	\$1,307	\$49,356	\$6,185
11	\$38,797	\$4,504	\$43,302	\$33,268	\$11,670	\$44,938	\$1,347	\$46,284	\$2,983
Totals:	\$426,771	\$42,926	\$469,697	\$317,050	\$158,814	\$475,864	\$12,834	\$488,698	\$19,001

City of Spring Hill-47.9kW + Lighting --> 10 Year Program

Project Funding		Customer Contribution Grant
Turnkey Project Cost (TPC):	\$393,126	
Loan Origination Fee (\$6 per \$1M borrowed)	(\$1,000)	
Capital Contribution (TVA Grant ~26k)	\$25,000	
Financed Project Cost Balance (TPC-CC):	\$369,126	
Financing Type:	Fixed-TMBF	
Financing Interest Rate [1]:	2.50%	
Program Term:	10	

Year	Annual Costs			Cashflows					
	Annual Debt	Annual M&V Cost	Total Annual Cost	Lighting Savings Electric \$	Solar Generation \$	Total Savings & Generation \$	Annual O&M \$	Total Annual \$	Net Annual Cash Flow (O-D)
	0.0% Esc.	3.0% Esc.		3.0% Esc.			3.0% Esc.		
1	\$42,176	\$3,352	\$45,527	\$24,754	\$13,758	\$38,512	\$1,002	\$39,514	-\$6,013
2	\$42,176	\$3,452	\$45,628	\$25,497	\$13,954	\$39,451	\$1,032	\$40,483	-\$5,145
3	\$42,176	\$3,556	\$45,732	\$26,262	\$14,156	\$40,418	\$1,063	\$41,481	-\$4,251
4	\$42,176	\$3,662	\$45,838	\$27,050	\$14,364	\$41,414	\$1,095	\$42,509	-\$3,330
5	\$42,176	\$3,772	\$45,948	\$27,861	\$14,578	\$42,439	\$1,128	\$43,567	-\$2,381
6	\$42,176	\$3,885	\$46,061	\$28,697	\$14,799	\$43,496	\$1,162	\$44,658	-\$1,404
7	\$42,176	\$4,002	\$46,178	\$29,558	\$15,026	\$44,584	\$1,197	\$45,781	-\$397
8	\$42,176	\$4,122	\$46,298	\$30,445	\$15,260	\$45,705	\$1,232	\$46,937	\$639
9	\$42,176	\$4,246	\$46,422	\$31,358	\$15,501	\$46,859	\$1,269	\$48,129	\$1,707
10	\$42,176	\$4,373	\$46,549	\$32,299	\$15,749	\$48,048	\$1,307	\$49,356	\$2,807
Totals:	\$421,759	\$38,422	\$460,181	\$283,782	\$147,144	\$430,926	\$11,488	\$442,414	-\$17,767