TAMALPAIS UNION HIGH SCHOOL DISTRICT

RESOLUTION # 22-04

RESOLUTION MAKING FINDINGS ON ENERGY SAVINGS

WHEREAS, California Government Code Sections 4217.10, *et seq*., authorizes a public school district to contract for energy conservation services if its governing body determines, at a regularly scheduled public hearing, public notice of which is given at least two weeks in advance, that the anticipated cost to the District for the alternative energy project will be less than the anticipated marginal cost to the District of electrical energy that would have been consumed by the District in the absence of such energy project; and

WHEREAS, the Tamalpais Union High School District ("District") desires to design and build solar photovoltaic, battery storage, and electric vehicle supply equipment projects ("Solar Project") at the District sites in order to generate energy cost savings and to mitigate greenhouse gas emissions; and

WHEREAS, the District requested proposals from qualified contractors to design and build the Solar Project and, based on the overall proposed Solar Project cost and cost-savings, among other factors, selected ENGIE North America ("Contractor") to design and build the Solar Project at the District's sites, and to arrange with the local utility for interconnection of the solar system;

WHEREAS, in accordance with Government Code sections 4217.10, *et seq*., on February 10, 2023, the District published notice of a public hearing at which the Board of Trustees would consider this Resolution, and on February 28, 2023, held the public hearing and provided an opportunity for public comment on the Project and on the question of the District entering into an Energy Service Contract with Contractor; and

WHEREAS, Sage Energy Consulting, an NV5 Company ("Sage" or "NV5"), has provided the District with analysis showing the benefits of constructing the Solar Project, and Sage's analysis ("Analysis") is attached hereto as Exhibit A and made part hereof by this reference; and

WHEREAS, the Analysis includes data showing that, based on the energy cost savings to be generated by the proposed Solar Project, the cost of constructing the Solar Project under an energy services contract ("Contract") (Exhibit "B") with Contractor will be offset and will be less than the anticipated marginal cost to District of electrical or other energy that would have been consumed by District if such the Solar Project were not completed; and

WHEREAS, the Board of Trustees proposes to enter into the Contract with Contractor, through which Contractor will design, install, and implement the Project pursuant to the terms and conditions of the Contract, substantially in the form presented at this meeting, subject to such changes, insertions or omissions as the Superintendent, or her designee, reasonably deems necessary following the Board's adoption of this Resolution; and

NOW, THEREFORE, BE IT RESOLVED, that per California Government Code sections 4217.10, *et seq.*, the Board of Trustees hereby finds and determines that all of the recitals set forth above are true and correct.

BE IT FURTHER RESOLVED, that this Resolution is adopted following a public hearing at a regularly scheduled meeting of the Board of Trustees for which a minimum of two weeks public notice has been duly given.

BE IT FURTHER RESOLVED, that the Board of Trustees finds that the terms of the Contract in the form presented at this meeting are in the best interests of the District, and approves the Contract.

BE IT FURTHER RESOLVED, that the Board of Trustees finds and determines that, pursuant to Government Code section 4217.12, and based on data provided in the Analysis, the cost of the Solar Project contemplated by the Contract with Contractor will be offset and will be less than the anticipated marginal cost to District of electrical or other energy that would have been consumed by District if such Solar Project were not completed.

BE IT FURTHER RESOLVED, that the District Superintendent or her designee is hereby authorized to do all things that are necessary or proper to carry out or give effect to this Resolution and the Solar Project Contract including, but not limited to, negotiating any further changes, insertions and omissions to the Contract, and the finalization and execution of the Contract with Contractor.

BE IT FINALLY RESOLVED, that this Resolution shall take effect immediately upon its passage.

PASSED AND ADOPTED this 28th day of February 2023, by the following vote of the Board of Trustees:

AYES: 4

NOES: 0

ABSENT: 1

ABSTAIN: 0

I, Tara Taupier, Secretary to the Board of Trustees, do hereby certify that the foregoing is a true and correct copy of a Resolution that was duly introduced, passed, and adopted by the Board of Trustees of the TAMALPAIS UNION HIGH SCHOOL DISTRICT at their meeting of February 28, 2023, which Resolution is on file in the office of said Board.

Tara Taupier, Secretary
Board of Trustees
Tamalpais Union High School District

ATTEST:

Karen Loebbaka, President
Board of Trustees
Tamalpais Union High School District

Exhibit A – Energy Savings Analysis

Solar PV Proposal dated 01/31/2023

Year	Annual Energy Consumption Pre-PV (kWh)	Annual Energy Consumption Post-PV (kWh)	Annual Energy Costs, Pre-PV	Annual Energy Costs, Post-PV $	Total Operating Costs $	Total Annual Energy Cost Post-PV $	Utility Savings $	Cumulative Project Savings $
0								$ (10,539,400)
1	2,813,069	640,362	$ 937,700	$ 413,100	$ 58,700	$ (2,587,600)	$ 3,525,300	$ (7,014,100)
2	2,813,069	650,139	$ 965,800	$ 428,500	$ 60,000	$ 488,400	$ 477,400	$ (6,536,700)
3	2,813,069	659,873	$ 994,800	$ 444,400	$ 61,200	$ 505,600	$ 489,200	$ (6,047,500)
4	2,813,069	669,562	$ 1,024,700	$ 460,800	$ 62,500	$ 523,300	$ 501,300	$ (5,546,200)
5	2,813,069	679,208	$ 1,055,400	$ 477,900	$ 63,800	$ 541,700	$ 513,700	$ (5,032,500)
6	2,813,069	688,810	$ 1,087,100	$ 495,500	$ 77,400	$ 572,900	$ 514,200	$ (4,518,300)
7	2,813,069	698,369	$ 1,119,700	$ 513,700	$ 79,200	$ 592,900	$ 526,800	$ (3,991,500)
8	2,813,069	707,885	$ 1,153,300	$ 532,500	$ 81,000	$ 613,500	$ 539,700	$ (3,451,800)
9	2,813,069	717,359	$ 1,187,900	$ 552,000	$ 82,900	$ 634,900	$ 553,000	$ (2,898,800)
10	2,813,069	726,789	$ 1,223,500	$ 572,200	$ 84,800	$ 657,000	$ 566,500	$ (2,332,300)
11	2,813,069	736,178	$ 1,260,200	$ 593,000	$ 86,800	$ 679,900	$ 580,300	$ (1,752,000)
12	2,813,069	745,524	$ 1,298,000	$ 614,600	$ 88,900	$ 703,500	$ 594,500	$ (1,157,500)
13	2,813,069	754,828	$ 1,336,900	$ 636,900	$ 89,700	$ 726,600	$ 610,300	$ (547,200)
14	2,813,069	764,090	$ 1,377,000	$ 660,000	$ 91,900	$ 751,900	$ 625,200	$ 77,900
15	2,813,069	773,310	$ 1,418,400	$ 683,800	$ 94,200	$ 778,000	$ 640,400	$ 718,300
16	2,813,069	782,489	$ 1,460,900	$ 708,500	$ 96,500	$ 805,000	$ 655,900	$ 1,374,200
17	2,813,069	791,627	$ 1,504,700	$ 734,000	$ 98,900	$ 832,900	$ 671,800	$ 2,046,000
18	2,813,069	800,723	$ 1,549,900	$ 760,400	$ 101,400	$ 861,800	$ 688,100	$ 2,734,200
19	2,813,069	809,779	$ 1,596,400	$ 787,700	$ 103,900	$ 891,600	$ 704,800	$ 3,438,900
20	2,813,069	818,794	$ 1,644,300	$ 815,900	$ 106,500	$ 922,400	$ 721,900	$ 4,160,800
21	2,813,069	827,768	$ 1,693,600	$ 1,057,200	$ 109,200	$ 1,166,400	$ 527,200	$ 4,688,000
22	2,813,069	836,702	$ 1,744,400	$ 1,092,500	$ 112,000	$ 1,204,500	$ 539,900	$ 5,227,900
23	2,813,069	845,595	$ 1,796,700	$ 1,129,000	$ 114,900	$ 1,243,800	$ 552,900	$ 5,780,800
24	2,813,069	854,449	$ 1,850,600	$ 1,166,600	$ 117,800	$ 1,284,400	$ 566,200	$ 6,347,100
25	2,813,069	863,263	$ 1,906,200	$ 1,205,500	$ 110,800	$ 1,316,200	$ 589,900	**$ 6,937,000**
Totals	**70,326,714**	**18,843,474**	**$ 34,188,100**	**$ 17,536,200**	**$ 2,234,900**	**$ 16,711,500**	**$ 17,476,400**	

25-year Project Analysis	**NPV, 2% D.R.**	**Nominal $**
Energy Cost, NO PV	$ 25,901,444	$ 34,187,959
Energy Cost, with PV	$ 11,768,617	$ 16,711,557
Gross Lifetime Energy Savings	$ 16,652,023	$ 16,652,023
Project Lifetime Energy Savings	$ 3,593,420	$ 6,936,995
Project IRR		5.3%
Simple Payback, Years		14

Exhibit B –Contract