

RESOLUTION NO. _____

RESOLUTION OF THE YOLO COUNTY BOARD OF SUPERVISORS MAKING FINDINGS OF ENERGY SAVINGS AND AUTHORIZING THE DIRECTOR OF THE COMMUNITY SERVICES DEPARTMENT TO EXECUTE ENERGY SERVICES AGREEMENTS FOR THE INSTALLATION, OPERATION, AND MAINTENANCE OF SOLAR SYSTEMS AT THREE COUNTY SITES AND ONE ENERGY STORAGE AGREEMENT WITH FFP BTM SOLAR, LLC (FOREFRONT POWER), FURTHER AUTHORIZING THE DIRECTOR TO TAKE OTHER ACTIONS NECESSARY TO COMPLETE THE ENERGY SAVINGS PROJECTS, AND APPROVING A FOURTH AMENDMENT TO AGREEMENT NO. 20-198 REGARDING THE NORTHERN RECYCLING COMPOST FACILITY TO REVISE THE UTILITY PROVISIONS

WHEREAS, it is the policy of the State of California and the intent of the State Legislature to promote all feasible means of energy conservation and all feasible uses of alternative energy supply sources;

WHEREAS, Government Code section 4217.10, et seq., authorizes agencies such as the County of Yolo (“County”) to develop energy conservation, cogeneration, and alternate energy sources at facilities owned by such public agencies;

WHEREAS, the County desires to reduce the rising costs of meeting the energy needs at its facilities;

WHEREAS, the County proposes to enter into three separate Energy Services Agreement - Solar and General Terms and Conditions of Energy Services Agreement (power purchase agreements) with FFP BTM Solar, LLC (“Provider”) to install, own, operate and maintain photovoltaic (solar) and energy storage (storage) systems at three County-owned sites: (1) Community Services Department at 292 W. Beamer Street, Woodland, CA - canopy system over parking area; (2) Yolo County Central Landfill (“YCCL”), Compost Facility – canopy system and storage; and (3) YCCL – canopy system on property adjacent to County Road 28H.

WHEREAS, Provider has prepared an analysis showing the financial and other benefits of entering into the Energy Service and Energy Storage Agreements, which analysis is attached hereto as Exhibit A and made part hereof by this reference;

WHEREAS, Exhibit A includes data showing that the anticipated cost to the County for the electrical energy provided by the solar photovoltaic facilities at each site will be less than the anticipated cost to the County of electrical energy that would have been consumed by the County in the absence of such measures;

WHEREAS, Provider was the selected vendor for School Project for Utility Rate Reduction’s (“SPURR”), a joint powers agency, Renewable Energy Aggregated Procurement (“REAP”) Program, a competitive statewide solar request for proposals (“RFP”) process, and the County adopts the REAP Program’s competitive process as its own;

WHEREAS, pursuant to Government Code section 4217.12, this Board held a public hearing, public notice of which was published two weeks in advance;

WHEREAS, the County’s proposed approval of the Agreements is a “Project” for purposes of the California Environmental Quality Act (“CEQA”); and

WHEREAS, Public Resources Code section 21080.35, statutorily exempts from CEQA evaluation the installation of a solar energy system, including associated equipment, at an existing parking lot and the proposed solar systems and battery storage system are further exempt as limited alteration of existing facilities or construction of small or minor accessory structures and no trees will have to be removed at any of the three solar array sites.

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Yolo County as follows:

1. Following a duly noticed public hearing, the Board of Supervisors finds and determines that:
 - a. The terms of each of the Energy Services Agreements and the Energy Storage Agreement are in the best interests of the County.
 - b. In accordance with Government Code section 4217.12, and based on data provided by Exhibit A, the Board finds that the anticipated cost to the County for electrical energy provided by each of the Energy Services Agreements and the Energy Storage Agreement will be less than the anticipated cost to the County of electrical energy that would have been consumed by the County in the absence of the Agreements.
 - c. The canopy solar system at 292 W. Beamer Street is over an existing paved parking area and is thus exempt from CEQA pursuant to Public Resources Code section 21080.35. In addition, the 202 W. Beamer Street and the other two canopy systems at the Landfill (soil borrow site and compost facility) are exempt from CEQA because the projects involve minor physical modifications to existing facilities associated with the installation of solar panels and related equipment (Class 1 exemption), new construction of small structures (Class 2 exemption), and construction of minor structures accessory to existing industrial facilities (Class 11 exemption).
2. The Board of Supervisors approves Energy Service Agreement, including the General Conditions, with the Provider to install a canopy solar system over the parking area at the Community Services Department at 292 W. Beamer Street, Woodland, CA.
3. The Board of Supervisors approves the Energy Service Agreement and Energy Storage Agreement, including the General Conditions, with the Provider to install a canopy solar and battery storage system at the Compost Facility owned and operated by Northern Recycling at the YCCL. The Board of Supervisors further approves a Fourth Amendment to County Agreement No. 20-198 with Northern Recycling to amend the license agreement for the Compost Facility to provide for the solar and energy system services that will serve energy to the Compost Facility.
4. The Board of Supervisors approves the Energy Service Agreement, including the General Conditions, with the Provider to install a canopy solar system on the YCCL's soil borrow site property adjacent to County Road 28H (APN 042-100-018).
5. The Director of the Community Services Department or the Director's designee is further authorized to file a Notice of Exemption and to execute the Energy Service and Energy Storage Agreements and any other documents, in substantially the forms provided, and to make corrections, clarifications, and technical modifications to the Agreement, subject to approval by County Counsel, so long as any changes to the Agreements do not result increased power purchase costs.

6. The Director of the Community Services Department or the Director's designee is further authorized to take all further actions necessary to implement the Energy Services and Energy Storage Agreements and to file Notices of Exemption for each of the three solar array projects in accordance with CEQA.

PASSED AND ADOPTED by the Yolo County Board of Supervisors at its meeting on September 13, 2022, by the following vote:

AYES:
NOES:
ABSENT:
ABSTENTON:

Angel Barajas, Chair
Yolo County Board of Supervisors

Attest: Julie Dachtler, Senior Deputy Clerk
Yolo County Board of Supervisors

Approved as to Form:
Philip J. Pogledich, County Counsel

By: _____
Deputy (Seal)

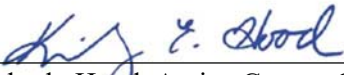
By:  _____
Kimberly Hood, Assist. County Counsel

EXHIBIT A

[Project Cashflows Reflecting Project Energy Cost Savings for Each Site]

Project Cashflows: Landfill PV PPA

Rate Scenario	NEM 2.0
Solutions	Solar-Only
Project	Landfill
Year 1 Savings	\$57,087
Cumulative Savings	\$2,348,726
Payback Period	Immediate
Solar System Size (KW)	470
Storage System Size (KW)	0

Financial Assumptions

Parameter	Value
PPA Rate Escalator (%/yr)	0.0%
Utility Energy Escalator (%/yr)	2.7%
Utility Demand Escalator (%/yr)	5.0%
PPA Term (Years)	20
Discount Rate (%)	5.0%
Solar Degradation Rate (%)	0.50%

Year	Historic Utility Bill (without solar)	PPA Payment	New Utility Bill (with solar)	Total Electricity Costs (PPA + Utility)	Net Savings	Cumulative Savings
1	283,523	123,186	103,250	226,436	57,087	57,087
2	292,925	122,570	107,785	230,355	62,570	119,657
3	302,669	121,957	112,529	234,487	68,182	187,839
4	312,767	121,348	117,494	238,842	73,925	261,764
5	323,234	120,741	122,689	243,430	79,804	341,568
6	334,085	120,137	128,125	248,262	85,823	427,391
7	345,335	119,537	133,814	253,351	91,984	519,375
8	357,000	118,939	139,768	258,707	98,293	617,669
9	369,098	118,344	146,000	264,344	104,753	722,422
10	381,644	117,752	152,524	270,276	111,368	833,790
11	394,659	117,164	159,352	276,516	118,143	951,934
12	408,161	116,578	166,500	283,078	125,083	1,077,016
13	422,169	115,995	173,984	289,979	132,190	1,209,207
14	436,705	115,415	181,819	297,234	139,471	1,348,678
15	451,791	114,838	190,022	304,860	146,930	1,495,608
16	467,448	114,264	198,612	312,876	154,572	1,650,181
17	483,701	113,692	207,607	321,299	162,402	1,812,583
18	500,575	113,124	217,026	330,150	170,425	1,983,008
19	518,095	112,558	226,890	339,448	178,647	2,161,654
20	536,288	111,996	237,220	349,216	187,072	2,348,726
Total	\$7,921,872		\$3,223,011	\$5,573,145	\$2,348,726	\$2,348,726

Project Cashflows: County Compost Facility

Rate Scenario	NEM 2.0
Solutions	Solar & Storage
Project	County Compost
Year 1 Savings	\$11,938
Cumulative Savings	\$2,848,423
Payback Period	Immediate
Solar System Size (KW)	1,785
Storage System Size (KW)	500

Financial Assumptions

Parameter	Value
PPA Rate Escalator (%/yr)	0.0%
Utility Energy Escalator (%/yr)	2.7%
Utility Demand Escalator (%/yr)	5.0%
PPA Term (Years)	20
Discount Rate (%)	5.0%
Solar Degradation Rate (%)	0.50%

Year	Historic Utility Bill (without solar)	PPA + Storage Payment	New Utility Bill (with solar)	Total Electricity Costs (PPA + Utility)	Net Savings	Cumulative Savings
1	860,633	504,747	343,948	848,695	11,938	11,938
2	894,891	516,309	359,985	876,294	18,598	30,536
3	930,626	527,745	376,792	904,536	26,089	56,626
4	967,904	535,508	394,407	1,343,749	37,989	94,614
5	1,006,796	533,139	412,870	1,365,050	60,787	155,401
6	1,047,375	530,781	432,222	1,387,558	84,372	239,774
7	1,089,721	528,436	452,507	1,411,331	108,779	348,552
8	1,133,913	526,102	473,770	1,436,430	134,041	482,594
9	1,180,037	523,779	496,060	1,462,918	160,198	642,791
10	1,228,181	521,469	519,426	1,490,862	187,286	830,078
11	1,278,440	457,531	720,901	1,520,333	100,008	930,085
12	1,330,910	455,243	754,914	1,551,402	120,753	1,050,838
13	1,385,695	452,967	790,573	1,584,149	142,155	1,192,993
14	1,442,901	450,702	827,958	1,618,653	164,241	1,357,234
15	1,502,642	448,449	867,155	1,654,999	187,038	1,544,272
16	1,565,034	446,206	908,252	1,693,277	210,576	1,754,848
17	1,630,203	443,975	951,343	1,733,579	234,884	1,989,732
18	1,698,276	441,755	996,526	1,776,005	259,995	2,249,727
19	1,769,391	439,547	1,043,903	1,820,656	285,940	2,535,668
20	1,843,688	437,349	1,093,584	1,867,642	312,755	2,848,423
Total	\$25,787,254		\$13,217,093	\$29,348,117	\$2,848,423	\$2,848,423

Project Cashflows: Department of Community Services PV PPA

Rate Scenario	NEM 2.0
Solutions	Solar-Only
Project	Dept. of Community Services
Year 1 Savings	\$22,317
Cumulative Savings	\$1,123,068
Payback Period	Immediate
Solar System Size (KW)	251
Storage System Size (KW)	0

Financial Assumptions

Parameter	Value
PPA Rate Escalator (%/yr)	0.0%
Utility Energy Escalator (%/yr)	2.7%
Utility Demand Escalator (%/yr)	5.0%
PPA Term (Years)	20
Discount Rate (%)	5.0%
Solar Degradation Rate (%)	0.50%

Year	Historic Utility Bill (without solar)	PPA Payment	New Utility Bill (with solar)	Total Electricity Costs (PPA + Utility)	Net Savings	Cumulative Savings
1	120,670	69,426	28,927	98,353	22,317	22,317
2	124,502	69,079	30,097	99,176	25,326	47,643
3	128,467	68,733	31,319	100,052	28,415	76,058
4	132,568	68,390	32,594	100,983	31,585	107,643
5	136,812	68,048	33,924	101,972	34,840	142,483
6	141,204	67,708	35,314	103,021	38,183	180,666
7	145,750	67,369	36,764	104,133	41,617	222,283
8	150,454	67,032	38,278	105,311	45,144	267,427
9	155,325	66,697	39,860	106,557	48,768	316,194
10	160,367	66,364	41,511	107,875	52,492	368,686
11	165,587	66,032	43,236	109,268	56,320	425,006
12	170,994	65,702	45,038	110,739	60,254	485,261
13	176,592	65,373	46,920	112,293	64,300	549,560
14	182,392	65,046	48,886	113,932	68,460	618,020
15	188,399	64,721	50,940	115,661	72,738	690,759
16	194,623	64,397	53,086	117,483	77,139	767,898
17	201,071	64,075	55,329	119,404	81,667	849,565
18	207,753	63,755	57,672	121,427	86,326	935,891
19	214,679	63,436	60,122	123,558	91,121	1,027,012
20	221,857	63,119	62,682	125,801	96,056	1,123,068
Total	\$3,320,066		\$872,497	\$2,196,999	\$1,123,068	\$1,123,068