

**RECLAMATION DISTRICT NO. 1601
TWITCHELL ISLAND
BOARD OF TRUSTEES MEETING
TUESDAY, MAY 20, 2025
9:00 AM
ENGINEER'S REPORT**

I. PROJECT FUNDING AGREEMENT TW – 21 - 1.2 TIMES/TWERP PROJECT

- A. Review the bid summary for the Twitchell Island Wetland Enhancement & restoration Project.
- a) Review and seek the authority of the Board of Trustees to award the lowest responsive, responsible bidder in accordance with KSN Inc's Award recommendation.

EXHIBIT A: TWERP Bid Summary.

EXHIBIT B: State of California Department of Water Resources Bid award endorsement.

II. 2025-2026 ASSESSMENT BY LANDOWNER SUMMARIES

- A. Review the Districts Draft Assessment summaries calculated for 100%, 90%, and 80%, of the **\$700,000** approved assessment.

EXHIBIT C: Assessment summaries 100%.

EXHIBIT D: Assessment summaries 90%.

EXHIBIT E: Assessment summaries 80%.

III. DISTRICT PUMP STATION SOLAR ARRAY

- A. PGE Interconnection

- a) Interconnection agreement:
1. Awaiting approval on electrical plan updates in response to Sacramento County review.
- a. Updated SLD to reflect equipment changes has been received and is ready for PG&E submission.
- b) Transformer: – **No update.**

B. Construction

a) Site work

1. As-built survey of final pile location conducted and analyzed for final baseplate fabrication and installation. – Complete

2. Pile cap elevation survey – Complete

3. Cut Piles to design elevation - Complete

4. Install Pile Caps – Completed

5. Weld Pile Pickhole Plugs - Completed

6. Galvanize Piles and Caps - Completed

7. Racking and Panel fabrication - Anticipated delivery in early May.

a. PV Modules – Delayed, racking installation re-scheduled to early June.

b) Scope Changes – No new changes to report

1. Change Order 01 – approved 2/11/25

a. WCD 01 – Domestic Content / Safe Harbor procurement.

2. Change Order 02 – approved 2/11/25

a. WCD 02 – Provide and Install 100 Ton Riprap to stabilize 3 subgrade locations identified during walkthrough.

b. WCD 03 – Expand drainage ditch crossing to install duct bank across drainage ditch withing easement.

c. WCD 04 – Provide additional 710 Ton Riprap for expanded un-stabilized sub-grade at unit rate. Removed WCD 02 lump sum directive.

d. WCD 05 – Add additional 2,400 Ton Class II - ¾-inch Aggregate.

3. Potential Changes

a. Transformer upsize: A larger transformer is required for the size of the array. Waiting on PGE Interconnection requirements to determine size requirements.

b. Transformer location: Depending on PGE Interconnection requirements pole mount vs. pad mount vs. platform mount.

- c. Switchgear location: Modify pump house to mount switchgear inside structure. **RFP in development, in review with electrical engineer.**
- d. Remove Concrete Bollards from Array Columns: Work Change Directive and CCO in development.
- e. Data Acquisition System: Work Change Directive and CCO in development.

c) Forecasted Schedule

1. Carport racking installation – June.

2. Switchgear installation – June/July.

C. Summary of additional costs: **No Additional costs approved this term.**

EXHIBIT E: KSN Inc. Daily Field report photos.

EXHIBIT A



Stephen K. Sinnock, P.E.
Christopher H. Neudeck, P.E.
Neal T. Colwell, P.E.
Barry O'Regan, P.E.

1110-1010-12
10-700

May 15, 2025

Reclamation District No. 1601
Board of Trustees
c/o Barry Sgarrella, President
2360 West Twitchell Island Road
Rio Vista, CA 94571

Re: Reclamation District No. 1601 – Twitchell Island
Twitchell Island Wetland Enhancement & Restoration Project (TWERP)
Recommendation for Award of Construction Contract

Dear Mr. Sgarrella,

On May 14, 2025, bids were received for the referenced project at the office of the District Engineer, Kjeldsen, Sinnock & Neudeck, Inc. (KSN) at 711 North Pershing Avenue, Stockton, California. A total of five bids were received and opened, and a general summary of the bid results is shown below in Table 1. A detailed summary of the bid results is enclosed herein.

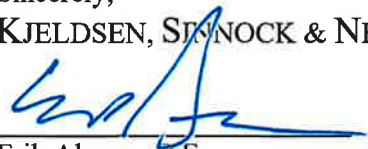
Table 1 - General Bid Results Summary

Bidder	Amount
Asta Construction Co., Inc.	\$1,094,913.00
The Dutra Group	\$1,203,810.00
Suulutaaq, Inc.	\$1,285,229.00
Odin Environmental Solutions, LLC DBA Odin	\$1,364,848.00
Gateway Pacific Contractors, Inc.	\$2,146,200.00
Engineer's Estimate	\$1,000,000.00

KSN has reviewed the Bid Form (including supplements) and the Bid Bond submitted by the apparent low bidder, Asta Construction Co., Inc., and has found all submitted documents to be in accordance with the Bidding Documents for the project. Based on our review, KSN hereby recommends that the Board of Trustees of Reclamation District No. 1601 award the construction contract for the referenced project in the amount of \$1,094,913.00 to Asta Construction Co., Inc. of Rio Vista, California. This project is funded by the Department of Water Resources (DWR) in accordance with Project Funding Agreement TW-21-1.2. DWR concurs with KSN's contract award recommendation as shown in the attached letter.

Please feel free to contact me if you have any questions. Thank you.

Sincerely,
KJELDEN, SINNOCK & NEUDECK, INC.


Erik Almaas, P.E.

w/enclosures

RECLAMATION DISTRICT NO. 1601 - TWITCHELL ISLAND
RD 1601 - WETLAND ENHANCEMENT & RESTORATION PROJECT
SACRAMENTO COUNTY, CALIFORNIA

Bid Date: 5/14/2025
Bid Time: 2:00 pm

BID RESULTS

Item	Description	Qty	Unit	Asta Construction		Dutra Group		Suulutaag		Odin Construction		Gateway Pacific	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Schedule 1:													
1.	Mobilization	1	LS	\$23,670.00	\$23,670.00	\$60,000.00	\$60,000.00	\$91,876.00	\$91,876.00	\$65,000.00	\$65,000.00	\$50,000.00	\$50,000.00
2.	Site Preparation	1	LS	\$116,409.00	\$116,409.00	\$59,000.00	\$59,000.00	\$190,530.00	\$190,530.00	\$15,000.00	\$15,000.00	\$100,000.00	\$100,000.00
3.	Recontour Field	1,000	CY	\$15.25	\$15,250.00	\$15.19	\$15,190.00	\$22.00	\$22,000.00	\$55.00	\$55,000.00	\$100.00	\$100,000.00
4.	Berm and Island Compacted Fill	22,800	CY	\$17.24	\$393,072.00	\$19.22	\$438,216.00	\$16.00	\$364,800.00	\$14.00	\$319,200.00	\$53.00	\$1,208,400.00
5.	Perimeter Ditch Excavation	2,400	LF	\$6.36	\$15,264.00	\$27.00	\$64,800.00	\$46.00	\$110,400.00	\$4.50	\$10,800.00	\$35.00	\$84,000.00
6.	16-Inch PVC Pipe	4,200	LF	\$51.15	\$214,830.00	\$46.00	\$193,200.00	\$53.00	\$222,600.00	\$77.00	\$323,400.00	\$98.00	\$411,600.00
7.	4-Inch Combination Air Release Valve Assembly	2	EA	\$4,956.00	\$9,912.00	\$5,800.00	\$11,600.00	\$10,838.00	\$21,676.00	\$18,000.00	\$36,000.00	\$4,500.00	\$9,000.00
8.	Siphon Valve Assembly	1	LS	\$32,501.00	\$32,501.00	\$24,000.00	\$24,000.00	\$29,071.00	\$29,071.00	\$55,000.00	\$55,000.00	\$50,000.00	\$50,000.00
9.	HDPE Water Control Structure	5	EA	\$13,498.00	\$67,490.00	\$15,660.00	\$78,300.00	\$16,569.00	\$82,845.00	\$15,000.00	\$75,000.00	\$7,500.00	\$37,500.00
10.	24-Inch HDPE Pipe	346	LF	\$168.00	\$58,128.00	\$224.00	\$77,504.00	\$80.00	\$27,680.00	\$588.00	\$203,448.00	\$200.00	\$69,200.00
11.	Quantity Surveys	1	LS	\$86,268.00	\$86,268.00	\$28,000.00	\$28,000.00	\$82,000.00	\$82,000.00	\$160,000.00	\$160,000.00	\$1,500.00	\$1,500.00
12.	SWPPP Implementation and Maintenance	1	LS	\$62,119.00	\$62,119.00	\$154,000.00	\$154,000.00	\$39,751.00	\$39,751.00	\$47,000.00	\$47,000.00	\$25,000.00	\$25,000.00
Subtotals:				\$1,094,913.00		\$1,203,810.00		\$1,285,229.00		\$1,364,848.00		\$2,146,200.00	
Project Totals:				\$1,094,913.00		\$1,203,810.00		\$1,285,229.00		\$1,364,848.00		\$2,146,200.00	

EXHIBIT B

DEPARTMENT OF WATER RESOURCES

1416 NINTH STREET, P.O. BOX 942836
SACRAMENTO, CA 94236-0001
(916) 653-5791



May 16, 2025

Mr. Barry Sgarrella, President
Reclamation District No. 1601
2360 W. Twitchell Island Road
Rio Vista, California 94571

Project Funding Agreement TW 21 1.3

Dear Mr. Sgarrella:

Reclamation District 1601 opened bids on May 14, 2025. Five companies bid on the wetland portion of the Twitchell Wetland Enhancement Restoration Project (TWERP) formerly known as Twitchell Island Mitigation Enhancement Site (TIMES).

Asta Construction was the lowest bid at \$1,094,913.00. The Department of Water Resources finds the bid acceptable to award. Reimbursement for the project expenses is authorized under Project Funding Agreement TW 21-1.3.

If you have any questions or need additional information, you may contact Otome Lindsey, Senior Environmental Scientist, at (916) 820-8078 or at Otome.Linsey@water.ca.gov.

Sincerely,

Calderaro, Angela

Angela Calderaro
Environmental Program Manager
Delta Ecosystem Enhancement Section, Division of Multi benefit Initiatives

cc:

Mr. Jesse Barton
c/o Gallery & Barton, APLC
1112 I Street, Suite 240
Sacramento, California 95814

Mr. Chris Neudeck, P.E.
c/o Kjeldsen Sinnock Neudeck inc.
711 N. Pershing Ave
Stockton, California 95203

Attachments: RD 1601 Bid Summary

Bid Date: 5/14/2025
Bid Time: 2:00 pm

RECLAMATION DISTRICT NO. 1601 - TWITCHELL ISLAND
RD 1601 - WETLAND ENHANCEMENT & RESTORATION PROJECT
SACRAMENTO COUNTY, CALIFORNIA

BID RESULTS

Item	Description	Qty	Unit	Asta Construction		Dutra Group		Suulutaag		Odin Construction		Gateway Pacific	
				Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
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Project Totals:				\$1,094,913.00		\$1,203,810.00		\$1,285,229.00		\$1,364,848.00		\$2,146,200.00	

EXHIBIT C

Reclamation District No. 1601
13-May-25
Assessment by Landowner - Fiscal Year 2025-2026
"AS IF" \$700,000 (100% of MAX ASSESSMENT)
DEPLETION VALUE CALCULATIONS

			2025-2026	2024-2025
A - 2024 RV Total Prod	(on line opi.consrv.ca.gov)	(MCF)	1,871,496	2,429,707
B - 2024 Twitchell Prod	(add all 1601 prod wells)	(MCF)	383,095	599,928
C - Net Present Value	(2023 base yr value NPV)		\$26,872,322	\$26,876,938
D - Total Reserves		(MCF)	13,950,000,000	13,950,000,000
E - Base Year Value per MCF	(C/D)	(\$/MCF)	\$0.0019	\$0.0019
F - 2024 Unit Depletion Value	(E x A)		\$3,556	\$4,616

CALCULATIONS (BASED ON DOG #S)

			2025-2026	2024-2025
G - 2024 Base Year Value of the Unit - C			\$26,872,322	\$26,876,938
H - less: 2023 Unit Depletion Value - F			\$3,556	\$4,616
I - 2025 Base Year Value of the Unit - C-F			\$26,868,766	\$26,872,322
J - 2024 RD 1601 Pro Rata Share of Unit	599,928/2,429,707 - B/A		20.469988%	24.691372%
K - 2025 RD 1601 Value - I*J			\$5,500,033	\$6,635,145
L - Benefit Factor - Given in Minutes			4.00%	4.00%
M - 2025 RD 1601 Taxable Unit Value (Mineral Rights) - K*L			\$220,001	\$265,406

ASSESSMENT FACTOR (Max Assessment Factor 47.6382) = X/W = 40.40724

Landowner	Acreage	Per Acre	Total Valuation	2025-26	
RD 1601	422.509	200	84,502	\$34,144.85	4.9%
Karlie & Noeme Silva	0.951	400	380	\$153.71	0.0%
Marjorie H. Sgarrella	1.480	400	592	\$239.21	0.0%
County of Sacramento	0.010	0	0	\$0.00	0.0%
RD 1601	121.400	200	24,280	\$9,810.88	1.4%
State of California	2244.497	200	448,899	\$181,387.86	25.9%
State of California	764.900	1200	917,880	\$370,890.05	53.0%
Fagundes Dairy	47.750	200	9,550	\$3,858.89	0.6%
Stkn Marina Properties LLC	20.000	1200	24,000	\$9,697.74	1.4%
Exxon Corporation ***	0.870	200	174	\$70.31	0.0%
Carter	10.520	200	2,104	\$850.17	0.1%
					0.0%
	3634.887				0.0%
California Resources Production (W)			220,001	\$88,896.33	12.7%
Total Assessment (X)			1,732,363	\$700,000.00	1

***** Bill Exxon Corp to State of CA**
\$700,000.00

Reclamation District No. 1601, Twitchell Island
Revised Acreage Operation and Maintenance Assessment Roll
1/3/2025

	A			B	C	D	PROPOSED NEW ASSESSMENT (2025-26)			PRIOR ASSESSMENT (2024-25)		
							E	F	G	H	I	J
Tract No.	Description Sacramento County Assessor Parcel No.	Acres	Habitat Restoration Acres	Revised Acres	Owner	Assessment Valuation per Acre	New Total Assessment Valuation (B x D)	Proposed New Rate per \$100 of Assessed Valuation	Proposed Total Assessment (E/100) x F	Prior Total Valuation (B x D)	Prior Rate per \$100 of Assessed Valuation	Prior Total Assessment (H/100) x I
1	157-0130-026	422.509		422.509	RD No 1601	200	84,502	40.40724	\$34,144.85	84,502	39.37523	\$33,272.78
2	157-0130-027	117.000		117.000	RD No 1601	200	23,400	40.40724	\$9,455.30	23,400	39.37523	\$9,213.81
3	157-0130-011	0.951		0.951	Karlie & Noeme Silva	400	380	40.40724	\$153.71	380	39.37523	\$149.78
4	157-0130-015	0.566		0.566	State of California	200	113	40.40724	\$45.74	113	39.37523	\$44.57
5	157-0130-019	0.410		0.410	Marjorie H. Sgarrella	400	164	40.40724	\$66.27	164	39.37523	\$64.58
6	157-0130-016	0.741		0.741	State of California	200	148	40.40724	\$59.88	148	39.37523	\$58.35
7	157-0130-018	1.070		1.070	Marjorie H. Sgarrella	400	428	40.40724	\$172.94	428	39.37523	\$168.52
8	157-0130-014	0.010		0.010	County of Sacramento	0	0	40.40724	\$0.00	0	39.37523	\$0.00
9	157-0130-017	102.450		102.450	State of California	200	20,490	40.40724	\$8,279.44	20,490	39.37523	\$8,067.98
10	157-0130-004	200.550		200.550	State of California	200	40,110	40.40724	\$16,207.34	40,110	39.37523	\$15,793.40
11	157-0130-024	302.960		302.960	State of California	200	60,592	40.40724	\$24,483.55	60,592	39.37523	\$23,858.24
12	157-0130-020	47.750		47.750	Fagundes Dairy	200	9,550	40.40724	\$3,858.89	9,550	39.37523	\$3,760.33
13	157-0130-022	40.000		40.000	State of California	200	8,000	40.40724	\$3,232.58	8,000	39.37523	\$3,150.02
14	157-0130-008	300.850		300.850	State of California	200	60,170	40.40724	\$24,313.04	60,170	39.37523	\$23,692.08
15	157-0130-006	357.980		357.980	State of California	200	71,596	40.40724	\$28,929.97	71,596	39.37523	\$28,191.09
16	157-0130-007	102.000		102.000	State of California	200	20,400	40.40724	\$8,243.08	20,400	39.37523	\$8,032.55
17	157-0140-004	1.000		1.000	State of California	200	200	40.40724	\$80.81	200	39.37523	\$78.75
18a	157-0140-020	578.470	209.400	369.070	State of California	200	73,814	40.40724	\$29,826.21	73,814	39.37523	\$29,064.45
18b	157-0140-020			209.400	State of California	1200	251,280	40.40724	\$101,535.39	251,280	39.37523	\$98,942.01
19a	157-0140-011	181.500	140.800	40.700	State of California	200	8,140	40.40724	\$3,289.15	8,140	39.37523	\$3,205.14
19b	157-0140-011			140.800	State of California	1200	168,960	40.40724	\$68,272.07	168,960	39.37523	\$66,528.39
20a	157-0140-009	186.000	121.100	64.900	State of California	200	12,980	40.40724	\$5,244.86	12,980	39.37523	\$5,110.90
20b	157-0140-009			121.100	State of California	1200	145,320	40.40724	\$58,719.80	145,320	39.37523	\$57,220.08
21a	157-0140-010	181.500	111.300	70.200	State of California	200	14,040	40.40724	\$5,673.18	14,040	39.37523	\$5,528.28
21b	157-0140-010			111.300	State of California	1200	133,560	40.40724	\$53,967.91	133,560	39.37523	\$52,589.56
22	157-0140-015	20.000		20.000	Sikn Marina Properties LLC	1200	24,000	40.40724	\$9,697.74	24,000	39.37523	\$9,450.06
23	157-0130-003	0.870		0.870	State of California (1/2)	200	174	40.40724	\$70.31	174	39.37523	\$68.51
24	157-0130-023	10.520		0.870	State of California (1/2)	200	174	40.40724	\$70.31	174	39.37523	\$68.51
25	** 157-0130-023	0.360		10.520	Ricky & Linda Carter	200	2,104	40.40724	\$850.17	2,104	39.37523	\$828.45
26	157-0130-025	4.040		0.360	RD No 1601	200	72	40.40724	\$29.09	72	39.37523	\$28.35
27a	157-0140-021	471.960	182.300	289.660	RD No 1601	200	808	40.40724	\$326.49	808	39.37523	\$318.15
27b	157-0140-021			182.300	State of California	200	57,932	40.40724	\$23,408.72	57,932	39.37523	\$22,810.86
					State of California	1200	218,760	40.40724	\$88,394.88	218,760	39.37523	\$86,137.25
		3,634.887	764.900	3,634.887								
					California Resources Production LESS RD1601		1,512,362	40.40724	\$88,896.33 (\$43,955.73)	1,512,362	39.37523	\$104,504.22
							220,001			265,406		(\$42,833.09)
							1,732,363		\$656,044.27	1,777,769		\$657,166.91

EXHIBIT D

Reclamation District No. 1601
13-May-25
Assessment by Landowner - Fiscal Year 2025-2026
"AS IF" \$630,000 (90% of MAX ASSESSMENT)
DEPLETION VALUE CALCULATIONS

			2025-2026	2024-2025
A - 2024 RV Total Prod	(on line opi.consrv.ca.gov)	(MCF)	1,871,496	2,429,707
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K - 2025 RD 1601 Value - I*J			\$5,500,033	\$6,635,145
L - Benefit Factor - Given in Minutes			4.00%	4.00%
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ASSESSMENT FACTOR (Max Assessment Factor 47.6382) = X/W =
36.36652

Landowner	Acreage	Per Acre	Total Valuation	2025-26	
RD 1601	422.509	200	84,502	\$30,730.36	4.9%
Karlie & Noeme Silva	0.951	400	380	\$138.34	0.0%
Marjorie H. Sgarrella	1.480	400	592	\$215.29	0.0%
County of Sacramento	0.010	0	0	\$0.00	0.0%
RD 1601	121.400	200	24,280	\$8,829.79	1.4%
State of California	2244.497	200	448,899	\$163,249.09	25.9%
State of California	764.900	1200	917,880	\$333,801.03	53.0%
Fagundes Dairy	47.750	200	9,550	\$3,473.00	0.6%
Stkn Marina Properties LLC	20.000	1200	24,000	\$8,727.96	1.4%
Exxon Corporation ***	0.870	200	174	\$63.28	0.0%
Carter	10.520	200	2,104	\$765.15	0.1%
					0.0%
	3634.887				0.0%
California Resources Production (W)			220,001	\$80,006.71	12.7%
Total Assessment (X)			1,732,363	\$630,000.00	1

***** Bill Exxon Corp to State of CA**
\$630,000.00

**clamation District No. 1601, Twitchell Island
 revised Acreage Operation and Maintenance Assessment Roll
 1/13/2025**

(Max Assessment Factor 47.6382)
Proposed New Assessment Factor (MAX)
Prior Assessment Factor (2024-25)
\$630,000 (90% of MAX ASSESSMENT)

36.36652
35.43770

A				B		C		D		E			F			G		H			I			J	
Tract No.	Description Sacramento County Assessor Parcel No.	Acres	Habitat Restoration Acres	Revised Acres	Owner	Assessment Valuation per Acre	New Total Assessment Valuation (B x D)	Proposed New Rate per \$100 of Assessed Valuation	Proposed Total Assessment (E/100) x F	Prior Total Valuation (B x D)	Prior Rate per \$100 of Assessed Valuation	Prior Total Assessment (H/100) x I													
1	157-0130-026	422.509		422.509	RD No 1601	200	84,502	36.36652	\$30,730.36	84,502	35.43770	\$29,945.49													
2	157-0130-027	117.000		117.000	RD No 1601	200	23,400	36.36652	\$8,509.77	23,400	35.43770	\$8,292.41													
3	157-0130-011	0.951		0.951	Karlie & Noeme Silva	400	380	36.36652	\$138.34	380	35.43770	\$134.81													
4	157-0130-015	0.566		0.566	State of California	200	113	36.36652	\$41.17	113	35.43770	\$40.12													
5	157-0130-019	0.410		0.410	Marjorie H. Sgarrella	400	164	36.36652	\$59.64	164	35.43770	\$58.12													
6	157-0130-016	0.741		0.741	State of California	200	148	36.36652	\$53.90	148	35.43770	\$52.55													
7	157-0130-018	1.070		1.070	Marjorie H. Sgarrella	400	428	36.36652	\$155.65	428	35.43770	\$151.67													
8	157-0130-014	0.010		0.010	County of Sacramento	0	0	36.36652	\$0.00	0	35.43770	\$0.00													
9	157-0130-017	102.450		102.450	State of California	200	20,490	36.36652	\$7,451.50	20,490	35.43770	\$7,261.18													
10	157-0130-004	200.550		200.550	State of California	200	40,110	36.36652	\$14,586.61	40,110	35.43770	\$14,214.06													
11	157-0130-024	302.960		302.960	State of California	200	60,592	36.36652	\$22,035.20	60,592	35.43770	\$21,472.41													
12	157-0130-020	47.750		47.750	Fagundes Dairy	200	9,550	36.36652	\$3,473.00	9,550	35.43770	\$3,384.30													
13	157-0130-022	40.000		40.000	State of California	200	8,000	36.36652	\$2,909.32	8,000	35.43770	\$2,835.02													
14	157-0130-008	300.850		300.850	State of California	200	60,170	36.36652	\$21,881.74	60,170	35.43770	\$21,322.86													
15	157-0130-006	357.980		357.980	State of California	200	71,596	36.36652	\$26,036.97	71,596	35.43770	\$25,371.98													
16	157-0130-007	102.000		102.000	State of California	200	20,400	36.36652	\$7,418.77	20,400	35.43770	\$7,229.29													
17	157-0140-004	1.000		1.000	State of California	200	200	36.36652	\$72.73	200	35.43770	\$70.88													
18a	157-0140-020	578.470	209.400	369.070	State of California	200	73,814	36.36652	\$26,843.59	73,814	35.43770	\$26,157.98													
18b	157-0140-020			209.400	State of California	1200	251,280	36.36652	\$91,381.81	251,280	35.43770	\$89,047.91													
19a	157-0140-011	181.500	140.800	40.700	State of California	200	8,140	36.36652	\$2,960.23	8,140	35.43770	\$2,884.63													
19b	157-0140-011			140.800	State of California	1200	168,960	36.36652	\$61,444.87	168,960	35.43770	\$59,875.54													
20a	157-0140-009	186.000	121.100	64.900	State of California	200	12,980	36.36652	\$4,720.37	12,980	35.43770	\$4,599.81													
20b	157-0140-009			121.100	State of California	1200	145,320	36.36652	\$52,847.83	145,320	35.43770	\$51,498.07													
21a	157-0140-010	181.500	111.300	70.200	State of California	200	14,040	36.36652	\$5,105.86	14,040	35.43770	\$4,975.45													
21b	157-0140-010			111.300	State of California	1200	133,560	36.36652	\$48,571.12	133,560	35.43770	\$47,330.59													
22	157-0140-015	20.000		20.000	Sitr Marina Properties LLC	1200	24,000	36.36652	\$8,727.96	24,000	35.43770	\$8,505.05													
23	157-0130-003 ***	0.870		0.870	State of California (1/2)	200	174	36.36652	\$63.28	174	35.43770	\$61.66													
24	157-0130-023	10.520		10.520	State of California (1/2) Ricky & Linda Carter	200	174	36.36652	\$63.28	174	35.43770	\$61.66													
25	** 157-0130-023	0.360		0.360	RD No 1601	200	72	36.36652	\$26.18	72	35.43770	\$25.52													
26	157-0130-025	4.040		4.040	RD No 1601	200	808	36.36652	\$293.84	808	35.43770	\$286.34													
27a	157-0140-021	471.960	182.300	289.660	State of California	200	57,932	36.36652	\$21,067.85	57,932	35.43770	\$20,529.77													
27b	157-0140-021			182.300	State of California	1200	218,760	36.36652	\$79,555.40	218,760	35.43770	\$77,523.51													
		3,634.887	764.900	3,634.887																					
					California Resources Production LESS RD1601		1,512,362 220,001	36.36652	\$80,006.71 (\$39,560.15)	1,512,362 265,406	35.43770	\$94,053.78 (\$38,549.76)													
							1,732,363		\$590,439.85	1,777,768		\$591,450.24													

** .36 purchased from Carter for exclusive levee easement
 * Exxon Corp billed to State of CA

EXHIBIT E

Reclamation District No. 1601
13-May-25
Assessment by Landowner - Fiscal Year 2025-2026
\$560,000 (80% of MAX ASSESSMENT)
DEPLETION VALUE CALCULATIONS

			2025-2026	2024-2025
A - 2024 RV Total Prod	(on line opi.consrv.ca.gov)	(MCF)	1,871,496	2,429,707
B - 2024 Twitchell Prod	(add all 1601 prod wells)	(MCF)	383,095	599,928
C - Net Present Value	(2023 base yr value NPV)		\$26,872,322	\$26,876,938
D - Total Reserves		(MCF)	13,950,000,000	13,950,000,000
E - Base Year Value per MCF	(C/D)	(\$/MCF)	\$0.0019	\$0.0019
F - 2024 Unit Depletion Value	(E x A)		\$3,556	\$4,616

CALCULATIONS (BASED ON DOG #'S)

			2025-2026	2024-2025
G - 2024 Base Year Value of the Unit - C			\$26,872,322	\$26,876,938
H - less: 2023 Unit Depletion Value - F			\$3,556	\$4,616
I - 2025 Base Year Value of the Unit - C-F			\$26,868,766	\$26,872,322
J - 2024 RD 1601 Pro Rata Share of Unit	599,928/2,429,707 - B/A		20.469988%	24.691372%
K - 2025 RD 1601 Value - I*J			\$5,500,033	\$6,635,145
L - Benefit Factor - Given in Minutes			4.00%	4.00%
M - 2025 RD 1601 Taxable Unit Value (Mineral Rights) - K*L			\$220,001	\$265,406

ASSESSMENT FACTOR (Max Assessment Factor 47.6382) = X/W = 32.32580

Landowner	Acreage	Per Acre	Total Valuation	2025-26	
RD 1601	422.509	200	84,502	\$27,315.88	4.9%
Karlie & Noeme Silva	0.951	400	380	\$122.97	0.0%
Marjorie H. Sgarrella	1.480	400	592	\$191.37	0.0%
County of Sacramento	0.010	0	0	\$0.00	0.0%
RD 1601	121.400	200	24,280	\$7,848.70	1.4%
State of California	2244.497	200	448,899	\$145,110.32	25.9%
State of California	764.900	1200	917,880	\$296,712.00	53.0%
Fagundes Dairy	47.750	200	9,550	\$3,087.11	0.6%
Stkn Marina Properties LLC	20.000	1200	24,000	\$7,758.19	1.4%
Exxon Corporation ***	0.870	200	174	\$56.25	0.0%
Carter	10.520	200	2,104	\$680.13	0.1%
					0.0%
	3634.887				0.0%
California Resources Production (W)			220,001	\$71,117.08	12.7%
Total Assessment (X)			1,732,363	\$560,000.00	1

*** Bill Exxon Corp to State of CA

\$560,000.00

32.32580

\$560,000 (80% of MAX ASSESSMENT)

A				B		C	D	PROPOSED NEW ASSESSMENT (2025-26)			PRIOR ASSESSMENT (2024-25)		
Tract No.	Description Sacramento County Assessor Parcel No.	Acres	Habitat Restoration Acres	Revised Acres	Owner	Assessment Valuation per Acre	New Total Assessment Valuation (B x D)	Proposed New Rate per \$100 of Assessed Valuation	Proposed Total Assessment (E/100) x F	Prior Total Valuation (B x D)	Prior Rate per \$100 of Assessed Valuation	Prior Total Assessment (H/100) x I	
1	157-0130-026	422.509		422.509	RD No 1601	200	84,502	32.32580	\$27,315.88	84,502	31.50018	\$26,618.22	
2	157-0130-027	117.000		117.000	RD No 1601	200	23,400	32.32580	\$7,564.24	23,400	31.50018	\$7,371.04	
3	157-0130-011	0.951		0.951	Karlie & Noerne Silva	400	380	32.32580	\$122.97	380	31.50018	\$119.83	
4	157-0130-015	0.566		0.566	State of California	200	113	32.32580	\$36.59	113	31.50018	\$35.66	
5	157-0130-019	0.410		0.410	Marjorie H. Sgarrella	400	164	32.32580	\$53.01	164	31.50018	\$51.66	
6	157-0130-016	0.741		0.741	State of California	200	148	32.32580	\$47.91	148	31.50018	\$46.68	
7	157-0130-018	1.070		1.070	Marjorie H. Sgarrella	400	428	32.32580	\$138.36	428	31.50018	\$134.82	
8	157-0130-014	0.010		0.010	County of Sacramento	0	0	32.32580	\$0.00	0	31.50018	\$0.00	
9	157-0130-017	102.450		102.450	State of California	200	20,490	32.32580	\$6,623.56	20,490	31.50018	\$6,454.39	
10	157-0130-004	200.550		200.550	State of California	200	40,110	32.32580	\$12,965.88	40,110	31.50018	\$12,634.72	
11	157-0130-024	302.960		302.960	State of California	200	60,592	32.32580	\$19,586.85	60,592	31.50018	\$19,086.59	
12	157-0130-020	47.750		47.750	Fagundes Dairy	200	9,550	32.32580	\$3,087.11	9,550	31.50018	\$3,008.27	
13	157-0130-022	40.000		40.000	State of California	200	8,000	32.32580	\$2,586.06	8,000	31.50018	\$2,520.01	
14	157-0130-008	300.850		300.850	State of California	200	60,170	32.32580	\$19,450.43	60,170	31.50018	\$18,953.66	
15	157-0130-006	357.980		357.980	State of California	200	71,596	32.32580	\$23,143.98	71,596	31.50018	\$22,552.87	
16	157-0130-007	102.000		102.000	State of California	200	20,400	32.32580	\$6,594.46	20,400	31.50018	\$6,426.04	
17	157-0140-004	1.000		1.000	State of California	200	200	32.32580	\$64.65	200	31.50018	\$63.00	
18a	157-0140-020	578.470	209.400	369.070	State of California	200	73,814	32.32580	\$23,860.97	73,814	31.50018	\$23,251.55	
18b	157-0140-020			209.400	State of California	1200	251,280	32.32580	\$81,228.22	251,280	31.50018	\$79,153.67	
19a	157-0140-011	181.500	140.800	40.700	State of California	200	8,140	32.32580	\$2,631.32	8,140	31.50018	\$2,564.11	
19b	157-0140-011			140.800	State of California	1200	188,960	32.32580	\$54,617.67	188,960	31.50018	\$53,222.70	
20a	157-0140-009	186.000	121.100	64.900	State of California	200	12,980	32.32580	\$4,195.89	12,980	31.50018	\$4,088.72	
20b	157-0140-009			121.100	State of California	1200	145,320	32.32580	\$46,975.85	145,320	31.50018	\$45,776.06	
21a	157-0140-010	181.500	111.300	70.200	State of California	200	14,040	32.32580	\$4,538.54	14,040	31.50018	\$4,422.63	
21b	157-0140-010			111.300	State of California	1200	133,560	32.32580	\$43,174.34	133,560	31.50018	\$42,071.64	
22	157-0140-015	20.000		20.000	Stkn Marina Properties LLC	1200	24,000	32.32580	\$7,758.19	24,000	31.50018	\$7,560.04	
23	157-0130-003	0.870		0.870	State of California (1/2)	200	174	32.32580	\$56.25	174	31.50018	\$54.81	
	***	0.870		0.870	State of California (1/2)	200	174	32.32580	\$56.25	174	31.50018	\$54.81	
24	157-0130-023	10.520		10.520	Ricky & Linda Carter	200	2,104	32.32580	\$680.13	2,104	31.50018	\$662.76	
25	** 157-0130-023	0.360		0.360	RD No 1601	200	72	32.32580	\$23.27	72	31.50018	\$22.68	
26	157-0130-025	4.040		4.040	RD No 1601	200	808	32.32580	\$261.19	808	31.50018	\$254.52	
27a	157-0140-021	471.960	182.300	289.660	State of California	200	57,932	32.32580	\$18,726.98	57,932	31.50018	\$18,248.68	
27b	157-0140-021			182.300	State of California	1200	218,760	32.32580	\$70,715.92	218,760	31.50018	\$68,909.79	
		3,634.887	764.900	3,634.887									
					California Resources Production LESS RD1601		1,512,362 220,001	32.32580	\$71,117.08 (\$35,164.58)	1,512,362 265,406	31.50018	\$83,603.37 (\$34,266.46)	
							1,732,363		\$524,835.42	1,777,768		\$525,733.54	

****** .36 purchased from Carter for exclusive levee easement
***** Exxon Corp billed to State of CA

EXHIBIT F



