

DWR Implementation Grant Round 2

Component 4: Irrigation Efficiency

Categories	Grant Amount	SVGMD/Plumas	LWA	Stetson
(a) Component Administration	\$ 15,000	\$ 3,000	\$ -	\$ 12,000
(b) Environ/Engineer/Design	\$ -	\$ -	\$ -	\$ -
(c) Implementation/Construction	\$ 1,515,000	\$ 800,000	\$ 20,000	\$ 695,000
(d) Monitoring/Assessment	\$ 600,000	\$ 205,000	\$ -	\$ 395,000
(e) Engagement/Outreach	\$ 50,000	\$ 5,000	\$ -	\$ 45,000
Total	\$ 2,180,000	\$ 1,013,000	\$ 20,000	\$ 1,147,000

Category (c): Implementation/Construction

"Conduct preliminary set of projects at two to three identified sites based on ranch assessments and improve data collection. Install inline totalizing flow meters and soil moisture sensors for two to three sites. Retrofit center pivots at demonstration sites with low elevation precision application (LEPA) systems. Summarize construction activity in the quarterly Progress Reports including descriptions of any change orders. Photo-documentation pre-construction, construction activities log, and post-construction site conditions to include in the associated Progress Reports. Conduct an inspection of the completed Component by a licensed professional."

Deliverables:

- 1) Technical memorandum summarizing participating irrigators, lessons learned, and incorporated strategies
- 2) Inventory of equipment and materials purchased
- 3) Summaries of activities and photo documentation pre-construction, construction and post-construction to include in the associated quarterly Progress Reports
- 4) Inspection Reports

Category (d): Monitoring/Assessment

Task 1: Identify sites for demonstration program and collect baseline monitoring data

Host an irrigator workshop to explain the program and recruit participants. Conduct ranch assessments.

Deliverables:

- 1) Efficiency Report for participating ranches
- 2) Technical memorandum summarizing identification criteria

Task 2: Monitoring Data Collection

Collect data regarding: irrigation losses, water quality benefits, shallow and deep aquifer effects, maintenance requirements for center pivots with LESA/LEPA systems, crop production impacts, and benefits to GDEs.

Deliverables:

- 1) Technical memorandum summarizing collected data

Task 3: Annual Reporting

Monitor site progress and summarize collected data in Annual Progress Reports. Prepare a final report summarizing results, outreach efforts, installation costs, operating costs, and recommendations for next steps.

Deliverables:

- 1) Annual demonstration project progress reports
- 2) Demonstration project final report

Task 4: Evaluation and Feasibility and Transferring of Water Rights

Evaluate the potential to transfer water rights from Lake Davis to Frenchman Lake to provide additional surface water for irrigation. Identify the permits and other justifications needed to facilitate the revision.

Deliverables:

- 1) Report summarizing the feasibility of water rights transfer
- 2) Technical memorandum summarizing impacts of water rights transfer

DWR Implementation Grant Round 2

Component 4: Irrigation Efficiency

(c) Implementation/Construction

SVGMD Budget: \$800,000

Irrigation Equipment Location	Provider/Invoice #	Cost	Running Balance
Roberti Ranch Pivot 1	Isaacs (#56044)	\$5,238.46	\$794,761.54
Roberti Ranch Pivot 9	Isaacs (#56043)	\$6,920.92	\$787,840.62
Roberti Ranch Pivots 1&9 boots + clamps	Isaacs (#56042)	\$1,888.93	\$785,951.69
Roberti Ranch Pivot 8	Isaacs (#56092)	\$4,658.02	\$781,293.67
Roberti Ranch Pivot 5	Isaacs (#56093)	\$5,528.81	\$775,764.86
Roberti Ranch Pivot 6	Isaacs (#56094)	\$4,815.49	\$770,949.37
Roberti Ranch Pivot 7	Isaacs (#56095)	\$5,949.75	\$764,999.62
Roberti Ranch Pivot 4	Isaacs (#56096)	\$6,300.07	\$758,699.55
Roberti Ranch Pivot 12	Isaacs (#56097)	\$5,351.25	\$753,348.30
Roberti Ranch Pivot 3	Isaacs (#56098)	\$5,749.15	\$747,599.15
Roberti Ranch Pivot 11	Isaacs (#56099)	\$6,090.29	\$741,508.86
McHenry Hay and Cattle Pivot	Isaacs (#56106)	\$4,692.04	\$736,816.82
Grandi Ranch Pivot 4	Agri-Lines (#125774)	\$6,377.03	\$730,439.79
Grandi Ranch Pivot 4 installation	Agri-Lines (#125775)	\$3,611.25	\$726,828.54
Grandi Ranch VFD	Agri-Lines (#126041)	\$21,546.82	\$705,281.72
Grandi Ranch Pivot 2	Agri-Lines (#126975)	\$4,720.88	\$700,560.84
Grandi Ranch Pivot installation	Agri-Lines (#126976)	\$3,716.25	\$696,844.59
McHenry installation	Agri-Lines (#126976)	\$3,954.67	\$692,889.92

ESTIMATES

Bar One Pivot	Agri-Lines	\$3,195.25	\$689,694.67
Bar One Pivot installation	Agri-Lines	\$7,029.50	\$682,665.17
Martin Goodwin Pivot 1 LESA Pivot 2 LEPA	Agri-Lines	\$23,205.00	\$659,460.17
Martin Goodwin Pivot 1 and 2 Installation	Agri-Lines	\$13,814.00	\$645,646.17
Roberti Ranch Pivot 1 Installation	SV Legacy of Ag	\$3,469.50	\$642,176.67
Roberti Ranch Pivot 3 Installation	SV Legacy of Ag	\$3,499.20	\$638,677.47
Roberti Ranch Pivot 4 Installation	SV Legacy of Ag	\$3,750.30	\$634,927.17
Roberti Ranch Pivot 5 Installation	SV Legacy of Ag	\$3,472.20	\$631,454.97
Roberti Ranch Pivot 6 Installation	SV Legacy of Ag	\$3,045.60	\$628,409.37
Roberti Ranch Pivot 7 Installation	SV Legacy of Ag	\$3,609.90	\$624,799.47
Roberti Ranch Pivot 8 Installation	SV Legacy of Ag	\$2,986.20	\$621,813.27
Roberti Ranch Pivot 9 Installation	SV Legacy of Ag	\$4,522.50	\$617,290.77
Roberti Ranch Pivot 11 Installation	SV Legacy of Ag	\$3,491.10	\$613,799.67
Roberti Ranch Pivot 12 Installation	SV Legacy of Ag	\$3,312.90	\$610,486.77
Roberti Ranch Pivot 15 Installation	SV Legacy of Ag	\$3,469.50	\$607,017.27