2017 Joint DWR/CDFA Water Agricultural Water Use Efficiency and Enhancement Program

Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
A & A Mettler Trust	The applicant currently irrigates a 15 acre vineyard using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, (4) a new filter station located next to the turnout, and (5) the pipe, couplings, and valves needed to connect the turnout to the new filter station, which will be connected to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$48,259	\$2,000	San Joaquin	No
Bechthold Partnership	The applicant currently irrigates a 46.5 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) two grower-owned turnouts on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU") at each turnout, (3) IWM with Soil Moisture Sensors with Data Recorder, (4) the pipe, couplings, and valves needed to connect each turnout to the grower's existing irrigation system, and (5) a new filter station and drip irrigation for a 37-acres of grapevines that are currently flood irrigated. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$140,727	\$4,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Buhari Family, LP	The applicant currently irrigates a 137 acres of grapevines (3 separate irrigation blocks) using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) three grower-owned turnouts on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU") at each turnout, (3) IWM with Soil Moisture Sensors with Data Recorder at each field, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$157,390	\$4,000	San Joaquin	No
Duane Quashnick	The applicant currently irrigates a 44.5 acre diversified farm property using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$60,309	\$2,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Eells Family Trust	The applicant currently irrigates a 55 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate the existing grapevines: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$57,382	\$2,000	San Joaquin	No
Frazier RD Partners, LLC	The project involves installation of a grower-owned turnout on the District pipeline, a two-way Remote Telemetry Unit ("RTU"), and the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. Once complete, the grower will be able to use their existing irrigation system to deliver pressurized surface water, instead of groundwater, to their crops. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$46,982	\$2,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Handel RD, L.L.C.	The applicant currently irrigates a 71 acre agricultural operation (grapevines = 11/cherries = 60) using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate their field: (1) a grower- owned turnout on the District pipeline with meter, (2) a two- way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$54,301	\$2,000	San Joaquin	No
J&J Vineyards, LLC	The applicant currently irrigates 28 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$101,688	\$2,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Jerry D and Kay D Mettler	The applicant currently irrigates a 43 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$46,995	\$2,000	San Joaquin	No
Joseph P & Jeannette Petersen	The applicant currently irrigates 43.7 acres of grapevines and a 3 acre cherry orchard using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) a grower- owned turnout on the District pipeline with meter, (2) a two- way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$111,236	\$4,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Kurt and Saundra Kautz	The applicant currently irrigates a 235 acres of grapevines (3 separate irrigation blocks) using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) three grower-owned turnouts on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU") at each turnout, (3) IWM with Soil Moisture Sensors with Data Recorder at each field, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$178,364	\$6,000	San Joaquin	No
Larry and Charlene Mettler	The applicant currently irrigates 154 acres of grapevines using groundwater pumped from several different wells. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing grapevines: (1) 5 grower-owned turnouts on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation systems. Each RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$199,981	\$113,645	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Larry D and Antionette Miller	The applicant currently irrigates a 9 acre walnut orchard using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$44,785	\$2,000	San Joaquin	No
Matthew Manna	The applicant currently irrigates 7 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate existing grapevines: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$44,147	\$2,000	San Joaquin	No

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Michael L & Lisa R Manna	The applicant currently irrigates 28 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate the existing grapevines: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$43,761	\$2,000	San Joaquin	No
Proprietary Fruit Varieties, LP	The applicant currently irrigates 72 acres of cherry orchards using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$130,350	\$4,000	San Joaquin	No

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Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
Steven Doi	The applicant currently irrigates 19.5 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$49,281	\$2,000	San Joaquin	No
TKH, LLC	The applicant currently irrigates a 52 acre cherry orchard and 25 acres of grapevines using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real-time flow meter data.	\$61,758	\$2,000	San Joaquin	No

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Projects Selected for Award of Funds

Agriculture Operation	Project Description	Amount Awarded	Estimated Matching Funds	County	Expected to Provide Benefits to a DAC** (Y/N)
William and Audrey Churchill	The applicant currently irrigates an 8 acre walnut orchard using groundwater pumped from a well. The project involves installation of the following on-farm components to enable the farmer to receive and use pressurized surface water from NSJWCD's pipeline instead of groundwater to irrigate an existing vineyard: (1) a grower-owned turnout on the District pipeline with meter, (2) a two-way Remote Telemetry Unit ("RTU"), (3) IWM with Soil Moisture Sensors with Data Recorder, and (4) the pipe, couplings, and valves needed to connect the turnout to the grower's existing irrigation system. The RTU equipped turnout is designed to send and receive data from a centralized computer system, permitting the grower to automatically schedule deliveries, integrate CIMIS station data into irrigation scheduling, and remotely view real- time flow meter data.	\$67,362	\$2,000	San Joaquin	No