

Fresno Irrigation District 2012 LGA Grant

9 Attachment 9 – Past Performance

Fresno Irrigation District has received several grants and loans from the Department of Water Resources. The District maintains an excellent working relation with DWR staff, and looks forward to continuing the successful implementation of projects similar to many joint projects of the past. Some of these include:

1. **Jameson Pond Expansion Project** – In 2009, the District received a \$2.6 million Prop 50 grant which led to overall site expansion, additional recharge cells, diversion structures, and recovery wells. The State Department of Finance auditors gave FID high marks in an audit of use, management and accounting of water development bond funds. Refer to page 1 of the FID newsletter, **Exhibit 4.3** on Page 1 in Attachment 4
2. **Groundwater Recharge Measurement Improvement Project** - In 2008, FID was awarded an AB303 grant for a very similar project to the one being proposed in this grant application. Because of the state's budget crisis in 2009, funding delays pushed the project back and a schedule extension was granted. Construction for 12 meter sites began in January of 2011 and will be completed by September of 2012. A copy of one of the quarterly reports is attached in this section as **Exhibit 9.1**.
3. **Groundwater Monitoring Program** - In 2003, FID received a grant from this program to improve the District's current groundwater monitoring program, investigate needs of small water agencies within the District, develop a groundwater related database and Geographic Information System (GIS), provide improved measurement at recharge facilities, and update the District's GWMP to SB1938 requirements. The grant related work to update the District's GWMP was the catalyst for inclusion of the 9 other participating agencies in the Fresno Area Regional GWMP. The project was completed on time and under budget. In fact, the District completed all of the required items in the Scope of Work ahead of schedule, and requested an extension to include further development of the monitoring program and regional GWMP, outside of the original project workplan. The extension was granted and the additional work completed.
4. **Waldron Banking Facility** – In 2003, a Proposition 13 Groundwater Storage Grant was received for the Waldron Banking Facility. The District applied for and received a grant for the Waldron Banking Facility for more than 4 million dollars. The Banking Facility has been constructed and is now operational. The project scope was expanded, as the District expanded and modified the project to additional sites after the grant was awarded. The project has continued, and is considered a success by providing additional dry year water supply to the District and its project partner, the City of Clovis.
5. **Groundwater Recharge Project** - Proposition 44 Loan to the District and the City of Fresno. The District, in cooperation with the City of Fresno, received a loan from DWR in the early 1990s for a multi-faceted groundwater recharge project in the southeastern portion of the District. The project included three system interties, three dedicated recharge basin providing approximately 7,500 acre-feet per year of recharge, twelve basin interties that can provide approximately 10,000 acre-feet of recharge per year, and modifications to a major conveyance system to deliver water to the area. The

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District and City accomplished considerably more (in terms of recharge capability) than originally anticipated, using approximately ¾ of the available funding.

In addition, the District also has managed and successfully completed several grant projects from the USBR. Some of these include:

1. **Herndon Canal at Gould Extension** - In 2007, the District received a Water Conservation



Field Services Grant for the Herndon Canal at Gould Extension Improvement Project. This project will provide new control within a District facility to allow water from one major system to be diverted into another major canal for delivery to downstream demands and the District's Groundwater Banking Facility. This project was completed on schedule.

2. **Enterprise Canal at Fancher Creek Improvement Project** - In 2006, FID received a Water 2025 Challenge Grant for the Enterprise Canal at Fancher Creek Improvement Project. The project was a cooperative effort, funded by 5 local partners and the federal grant, that provided critical improvements for water conservation and re-routing of water to surface water treatment facilities. This project was completed under budget. Refer to the page 3 of the FID newsletter, **Exhibit 4.3** in Attachment 4.



3. **Thompson Canal Headgate Improvement Project** - In 2006, FID received a Water Conservation Field Services Grant for the Thompson Canal Headgate Improvement Project. The project included installation of an automated gate with remote telemetry control to provide needed operational control and conservation. The project was completed within the required timeframe.
4. **Study of Improved Water Measurement and Procedures** - In 2003, FID received a Water Conservation Field Services for the Study of Improved Water Measurement and Procedures. The project provided valuable study of possible improvements within FID, some of which were later implemented. The study was completed within the required timeframe.
5. **Telemetry System Improvement Project** - In 2000, FID received a Water Conservation Field Services Grant for a Telemetry System Improvement Project. The project provided needed telemetry system improvements, including additional automated control at critical gate structures and additional monitoring sites. The improvements were constructed within the required timeframe, and have provided improved operational control and flexibility.

EXHIBIT 9.1
DWR PROGRESS REPORT

**FRESNO IRRIGATION DISTRICT
ASSEMBLY BILL 303 - LOCAL GROUNDWATER ASSISTANCE PROJECT**

PROGRESS REPORT TO DEPARTMENT OF WATER RESOURCES

January 2012 through March 2012

EXECUTIVE SUMMARY

The Fresno Irrigation District (FID) entered into the Multi-Agency Groundwater Management grant agreement with DWR in December 2008. Because of funding delays associated with the State's budget crisis in 2009, anticipated design work was postponed until DWR notified FID to proceed with work in October 2009.

In March 2010, FID received and signed an amended agreement from DWR. FID was granted a schedule extension to September 2011 but a budget revision was not incorporated. Based on discussions with DWR, a budget revision did not make it into the latest agreement but was confirmed by DWR in February 2011. FID requested for a contract extension date in April 2011. FID received and signed an agreement amendment from DWR in July 2011 granting a schedule extension to September 2012 was and a budget revision. Construction for the proposed 12 meter sites began in January 2011 and has been completed. These tasks include the installation of electronic hardware and software set-up at Shubin, Bier, Ventura and Hopps Ponds and completing the SCADA set-up at Toste Pond. Tasks scheduled for next quarter will include any software setup remaining and/or potential troubleshooting needed once water is routed to each pond site. FID's 2012 Irrigation Season is scheduled to start April 1, 2012.

REPORT STATUS

Legal Matters

No legal involvement has occurred as part of this project.

Engineering Matters

Task 1: Basin Measurement Investigation

All the basin measurement investigation work (FID's recharge basins and ponds) has been completed.

Task 2: Design of Measurement Improvements

FID has completed its design of measurement improvements at the twelve (12) recharge basins and ponds.

Task 3: Measurement Improvement Construction

Structure construction and software set-up at Ventura Pond was completed. Installation of electronic hardware at Toste, Shubin, Hopps and Bier Ponds was completed. Software setup for Toste, Bier, Hopps and Shubin Ponds was completed at the end of March (Winter 2012).

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Task 4: Reporting

FID will continue to submit DWR quarterly progress reports on the status of the project. Measurement readings and basin reporting at these sites will begin once they are operational.

Environmental Matters

None

Major Accomplishments

Installation of measuring sensors and hardware at four (4) basin sites (Hopps, Shubin, Toste and Bier Ponds) were completed. Structure construction and software setup at one (1) basin site (Ventura Pond) was completed.

Issues/Concerns that May Affect the Schedule or Budget

There are no known issues or concerns that will affect the current contract schedule or budget.

Description of work to be performed during the next reporting period.

Task 1: Basin Measurement Investigation

Discussions regarding basin inventory and concept development for measurement improvements have been completed. Field surveying of the project sites has been completed. No further supplemental field surveying will occur.

Task 2: Design of Measurement Improvements

No further design work under this task is needed.

Task 3: Measurement Improvement Construction

Troubleshooting of the measuring sites at Ventura, Toste, Shubin, Bier and Hopps ponds are the anticipated tasks that will extend into next quarter or the following quarter. All related installation and construction tasks were completed this quarter (Winter 2012).

Task 4: Reporting

FID will continue to prepare and submit a quarterly report for the next period.

Cost Information

FID staff time for basin investigation and the design of measurement improvements has been completed. Material and Consultant costs incurred during the quarter (through March 2012) are shown in Table 1 below.

**FRESNO IRRIGATION DISTRICT
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PROGRESS REPORT TO DEPARTMENT OF WATER RESOURCES

January 2012 through March 2012

Table 1 – Task Costs from January 2012 to March 2012

Task #	Consultant Expenses	Material & Contractor Expenses	Total Cost (per Task)
Task 1	\$0.00	\$0.00	\$0.00
Task 2	\$0.00	\$0.00	\$0.00
Task 3	\$0.00	\$22,781.65	\$40,686.65
Task 4	\$0.00	\$0.00	\$2,361.59
		Total Quarterly Cost	\$43,048.24

As of the end of March 2012, the revised percentage of expenditure is 100% for Task 1 and 100% for Task 2. Task 1 (Basin Measurement Investigation) and Task 2 (Design Measurement Improvements) are complete. The percentage of expenditure for Task 3 is approximately 157% of the awarded DWR Funding. And, the percentage of expenditure for Task 4 (Reporting) is approximately 137% of the awarded DWR Funding.

Budget versus Progress

The budget for Tasks 1 and 2 have been expended with investigation and design work completed. The budget for Task 3 is 100% expended with no construction work remaining. Task 4 budget is 100% expended. FID has available funding to complete the projects.

Budget Revisions

A budget amendment is being requested to transfer any remaining funds in the budgets of Tasks 1 (Investigation) and 2 (Design) and Task 4 (Reporting) to the budget for Tasks 3 (Construction) for the invoice period starting in July 2011.

Schedule

FID was granted a schedule extension to September 2012. All metering sites are complete and are anticipated to be operational before the end of the grant deadline.