

Attachment 4 – Work Summary

Project A: CID – Adams and Academy Basin

This work summary was developed based on Consolidated Irrigation District’s knowledge of the project and past experience with a similar project funded under DWR IRWM Implementation Round 1 funding.

Category A – Direct Project Administration includes Task 1: Administration, Task 2: Labor Compliance Program and Task 3: Reporting.

Task 1 includes the project administration related work involved in the development of the project, such as grant application preparation, meetings, coordination with stakeholders, and overall project coordination. The deliverables for this task will include meeting minutes and other meeting presentation materials as required. Only grant application preparation has been initiated on this task (25% complete).

Task 2 includes adopting and enforcing a labor compliance program pursuant to California Labor Code and applicable laws utilizing a 3rd party labor compliance officer to develop the program and perform the required workplace inspections, reviews, and reporting during construction. The District prepared and received approval of their Labor Compliance Plan in September 2011 (see **Attachment 4k**). The deliverables for this task will include the Labor Compliance Program and Labor Compliance documentation during construction. No work on this task has begun (0% complete).

Task 3 includes preparation of quarterly periodic project reports, a project draft and final project report, modification to the Monitoring, Assessment, and Performance Measures (MAPM) and other reporting requirements detailed in the funding agreement. The project draft report will be submitted to DWR for review and comment; once the comments are received and incorporated, the final report will be submitted. The deliverables for this task include MAPM modification if required, preparation of reimbursement claims, submission of quarterly, annual and final reports as specified in the Grant Agreement. No work has begun on this task (0% complete).

Category B – Land Purchase / Easement includes Task 4: Land Acquisition which entails purchase of the land needed for the recharge basin (approximately 50 acres) including fee title acquisition for development of the proposed recharge basin area, a preliminary title report and property appraisal. The deliverables for this task include the property appraisal, preliminary title report and documentation of land purchase. The District has agreed to terms with the landowner on an option to purchase agreement for the property (see **Attachment 4a**). The agreement is scheduled for Board approval at its next meeting on August 13. No work included this task has begun (0% complete).

Category C - Planning/Design/Engineering/Environmental Documentation includes Tasks 5: Assessment and Evaluation, Task 6: Final Design, Task 7: Environmental Documentation and Task 8: Permitting.

Task 5 includes further development of the groundwater monitoring network around the proposed basin, including contacting landowners, investigation of suitability for wells for on-going monitoring and collection of baseline water level and quality data. The work to be completed under this task builds upon the project feasibility report completed in May 2013. The deliverables for this task include groundwater monitoring network and baseline data. No work has begun on this task (0% complete).

Task 6 includes developing the preliminary and final design for the project, a topographic and boundary survey of the subject property and canal alignments. The Preliminary and final design will include construction documents for the improvements and a geotechnical investigation. A monitoring network will be established, including review of DWR driller’s logs, a canvass of nearby wells for accessibility, and proximity to the basin and wells. If there are not enough suitable existing wells that can be included in the monitoring network, up to three new monitoring

wells will be constructed. A separate bid document will be prepared for the monitoring wells and recovery well. Monitoring well design will include initial siting, determination of dimensions, materials, and perforated intervals. Initial water level data and water quality samples will be collected to serve as base line data for future operations. Deliverables for this task include Final design plans and specifications for Earthwork and Structures (contract documents), Final Bid Documents for Monitoring Wells (if required), Final bid Documents for Recovery Well, Engineer's Preliminary Opinion of Probable Construction Cost and Initial Water Level Data and Water Quality Samples. Preliminary plans have been prepared for the project (see **Attachment 4b**). The prior completed work is not included in this task, so no work planned for reimbursement under this task has begun (0% complete).

Task 7 includes preparation of a CEQA Initial Study, performing the necessary biological surveys including plant and animal surveys as well as identifying the potential for endangered species, cultural resources survey and other pertinent studies as identified in the initial study. Additionally, there is planned to be public involvement in preparation and review of this work through a public hearing. Since the project is not planned to involve Federal monies, or a Federal decision, NEPA is not expected to apply. Deliverables for the project will include approved and adopted CEQA documentation. No work has begun on this task (0% complete).

Task 8 includes preparation of the required permits to construct the project. The permits anticipated include Fresno County Plan review and encroachment permit, San Joaquin Valley Air Pollution Control District – Regulation VIII Permit (Dust Control Plan) and Rule 9510 (Indirect Source Review), State Water Resources Control Board – 2009-0009-DWQ Construction General Permit (Storm Water Pollution Prevention Plan). The deliverables for this task include all approved copies of all permits. Preliminary research on the permit requirements has been completed under this task, but no work planned for reimbursement has begun (0% complete).

Category D – Construction / Implementation includes Task 9: Construction Contracting, Task 10: Construction, Task 11: Environmental Compliance/Mitigation/Enhancement, and Task 12: Construction Administration.

Task 9 includes preparation of bidding documents, public bid advertisements, pre-bid meetings, answering questions during the bidding process, and evaluating submitted bids. Deliverables for this task include advertisements for bids, bid canvass summary and contract award. No work has begun on this task (0% complete).

Task 10 includes construction of the facilities detailed in Attachment 3, in accordance with applicable state and local standards. The project will be constructed in three separate phases, Earthwork and Structures, Recover Well, and Monitoring Well. Deliverables for this task include construction of the planned improvements and Project Completion Certificate. No work has begun on this task (0% complete).

Task 11 includes mitigation of any potential disturbance or impacts to protected species or communities, although it is not anticipated to be necessary. These mitigation measures will be developed and implemented in accordance with Federal and State law and the environmental documentation prepared in Task 7, detail above. The deliverables for this task include Listing/Report of protective measures required and Implementation status. No work has begun on this task (0% complete).

Task 12 includes construction administration and observation efforts. The construction inspector duties include periodic visits to the project site during construction, organize and attend kickoff meetings, periodic meetings with contractors, submittal review, monthly payment requests, and contract change orders requests. A final inspection will be performed to ensure the project was constructed in compliance with the plans and specifications; record drawings will be prepared after the final inspection. An Operations and Maintenance (O&M) Manual and Monitoring Plan will be prepared, also. The deliverables for this task include construction observation reports, submittals, progress payments, change orders, record drawings, and the O&M and Monitoring Plan. No work has begun on this task (0% complete).

A detailed Work Plan will be provided to DWR upon request, including all tasks, subtasks and related information.

Project B: City of Fresno – Nielsen Groundwater Recharge Basin

The following tasks were developed based on similar groundwater recharge Projects constructed in the region, and will result in a completed project.

Category A – Direct Project Administration includes Task 1: Administration, Task 2: Labor Compliance Program and Task 3: Reporting.

Task 1 includes management and administrative tasks performed by the City of Fresno. Specific tasks would include grant application preparation, meetings (internal, landowners, Project partners, etc.), coordination with stakeholders, legal services associated with construction and stakeholder involvement and Project implementation and agreements. The deliverables for this task include meeting minutes and agency and stakeholder agreements necessary to implement the project. Only the grant preparation work on this task has begun (25% complete).

Task 2 includes adopting and enforcing a labor compliance program pursuant to California Labor Code and applicable laws utilizing a 3rd party labor compliance officer to develop the program and perform the required workplace inspections, reviews, and reporting during construction. The City prepared and received approval of their Labor Compliance Plan in September 2011 (see **Attachment 4k**). The deliverables for this task will include the Labor Compliance Program and Labor Compliance documentation during construction. No work under this task has begun (0% complete).

Task 3 includes preparation of periodic (monthly or quarterly project reports, a project draft and final project report, modification to the Monitoring, Assessment, and Performance Measures (MAPM) and other reporting requirements detailed in the funding agreement. The project draft report will be submitted to DWR for review and comment; once the comments are received and incorporated, the final report will be submitted. The deliverables for this task include MAPM modification if required, preparation of reimbursement claims, submission of quarterly, annual and final reports as specified in the Grant Agreement. No work has begun on this task (0% complete).

Category B – Land Purchase / Easement includes Task 4: Land Acquisition.

All property required for the project was purchased in April 2011, no further work under this task is required (see **Attachment 4c**). There are no deliverables anticipated under this task. All work is complete in this task (100% completion).

Category C - Planning/Design/Engineering/Environmental Documentation includes Tasks 5: Assessment and Evaluation, Task 6: Final Design, Task 7: Environmental Documentation and Task 8: Permitting.

Task 5 includes preparation of the required studies to review and analyze the feasibility of the recharge Project. This work has already been completed, and the City is committed to implementing this project. The studies completed are the Geotechnical Engineering Investigation Report and the Phase I and II Environmental Site Assessment. The completed studies are included by reference to the Mitigated Negative Declaration, discussed in Task 7 below; they are not being included attached to this application but can be made available upon request. The deliverables for this task include both reports. All work is complete in this task (100% completion).

Task 6 includes developing the preliminary and final design for the Project. Preliminary plans have been prepared (see **Attachment 4e**). In addition, this task includes a detailed topographic survey of the subject property and canal alignments. The subtasks that have been performed include the boundary and topographic survey and preliminary (60%) design plans. The subtasks to still be performed within this task include the final design drawings and specifications, and structural design. Deliverables for this task include the topographic and boundary survey in electronic format and construction documents for the project. The work within this task is estimated to be 60% complete.

Task 7 includes the required planning and environmental efforts to complete the Project development. This work has already been completed for the Project. A Mitigated Negative Declaration (MND) was prepared and completed for the Project in February 2011 and adopted by the City in April 2011. The deliverable for this task is the adopted CEQA document; the MND is not included as an attachment to this application, however the adoption document is included (see **Attachment 4d**) and the MND can be made available upon request. All work is complete in this task (100% completion).

Task 8 includes the required permitting efforts to complete the Project development. Permitting for this Project would include several State and Local agencies. The required permits include Conditional Use, Grading, Electrical, and Encroachment Permits from the City of Fresno, an Encroachment Permit from the County of Fresno, Dust Control Plan and Indirect Source Review permits from the San Joaquin Valley Air Pollution Control District, a Storm Water Pollution Prevention Plan from the State Water Resources Control Board; all permits will be completed and obtained either during final design or construction. The deliverables for this task include copies of all required permits. No work has been completed in this task (0% complete).

Category D – Construction / Implementation includes Task 9: Construction Contracting, Task 10: Construction, Task 11: Environmental Compliance/Mitigation/Enhancement, and Task 12: Construction Administration.

Task 9 includes preparation of bidding documents, public bid advertisements, pre-bid meetings, answering questions during the bidding process, and evaluating submitted bids. Deliverables for this task include advertisements for bids, bid canvass summary and contract award. No work has begun on this task (0% complete).

Task 10 includes construction of the facilities detailed in Attachment 3, in accordance with applicable state and local standards. The project will be constructed in six separate phases, Mobilization and Site Preparation, Recharge Basin and Levee Construction, Houghton Canal Structures, Sedimentation Weir and Interbasin Structures, Site Improvements, and Performance Testing and Demobilization. Deliverables for this task include construction of the planned improvements and Project Completion Certificate. No work has begun on this task (0% complete).

Task 11 includes construction of required mitigation measures, as identified in the adopted MND described in Task 7. The deliverables for this task include Listing/Report of protective measures required and Implementation status. No work has begun on this task (0% complete).

Task 12 includes construction administration and observation efforts by experienced City of Fresno Construction Management staff and project consultants. This task includes several subtasks: construction observation, record drawings, and O&M Manuals and Monitoring Plan. The deliverables for this task include construction observation reports, submittals, progress payments, change orders, record drawings, and the O&M and Monitoring Plan. No work has begun on this task (0% complete).

Ongoing monitoring and maintenance will occur starting at project construction completion and continuing into the future; the City of Fresno will perform all ongoing activities associated with the Project.

A detailed Work Plan will be provided to DWR upon request, including all tasks, subtasks and related information.

Project C: FMFCD – Regional Groundwater Recharge Project

Category A – Direct Project Administration includes Task 1: Administration, Task 2: Labor Compliance Program and Task 3: Reporting.

Task 1 includes preparation of the grant application, managing the planning, environmental compliance, design, accounting; coordinating with DWR, including invoicing; and resolving any issues that arise. The FMFCD Project Manager will be responsible for coordinating FMFCD staff and consultants, contractors, surveyors, and any others who are involved in preparing, constructing, and finalizing the Project through scheduled meetings, phone, and electronic mail. The deliverables for this task include meeting minutes and agency and stakeholder agreements necessary to implement the project. Only the grant preparation work under task has begun (25% complete).

Task 2 includes adopting and enforcing a labor compliance program pursuant to California Labor Code and applicable laws utilizing a 3rd party labor compliance officer to develop the program and perform the required workplace inspections, reviews, and reporting during construction. The District prepared and received approval of their Labor Compliance Plan in March 2014 (see **Attachment 4k**). The deliverables for this task will include the Labor Compliance Program and Labor Compliance documentation during construction. No work under this task has begun (0% complete).

Task 3 includes preparation of periodic (monthly or quarterly) project reports, a project draft and final project report, modification to the Monitoring, Assessment, and Performance Measures (MAPM) and other reporting requirements detailed in the funding agreement. The project draft report will be submitted to DWR for review and comment; once the comments are received and incorporated, the final report will be submitted. The deliverables for this task include MAPM modification if required, preparation of reimbursement claims, submission of monthly or quarterly progress reports and draft and final project reports as specified in the Grant Agreement. No work has begun on this task (0% complete).

Category B – Land Purchase / Easement includes Task 4: Land Acquisition.

All property required for the project is owned by FMFCD with the exception of the Armstrong and Briggs Basins, which are owned by Caltrans. This task will include transfer of the basins from Caltrans to FMFCD and obtaining an easement for one of the recharge interties. FMFCD has initiated discussions with Caltrans regarding the basin and have a Memorandum of Understanding detailing the transfer (see **Attachment 4f**). Preliminary work has begun on obtaining the easement, also. The deliverables for this task include proof of title transfer and easement acquisition. All completed work will not be a part of the grant, so the work within this task has not begun (0% complete).

Category C - Planning/Design/Engineering/Environmental Documentation includes Tasks 5: Assessment and Evaluation, Task 6: Final Design, Task 7: Environmental Documentation and Task 8: Permitting.

Task 5 includes evaluation of condition of the basins to determine routing priority of water into recharge basins. FMFCD provides a semi-monthly report of the status of its recharge basins to the City of Fresno, City of Clovis, and Fresno Irrigation District (FID). The reports identify the observed water levels, the authorized water levels, the position of the control valves at the interties that divert surface water to the basins, and any comments about a particular basin. FID uses the report to address changes in routing the appropriate amount of water to recharge basins. Deliverables in this task include the delivery and recharge reports. No work has begun on this task (0% complete).

Task 6 includes preparation of preliminary and final plans for all aspects of the Project utilizing in-house and consultants to complete the final plans on schedule, as shown in Attachment 6. Schematic design of the project

has been initiated (see **Attachment 4g**). Deliverables for this task include final plans and specifications for the Project. The work within this task is estimated to be 30% complete.

Task 7 includes the required planning and environmental efforts to complete the Project development. The environmental document required for this project is anticipated to be a Mitigated Negative Declaration. The deliverable for this task is the adopted CEQA document. No work has been completed in this task (0% complete).

Task 8 includes the required permitting efforts to complete the Project development. Permitting for the project includes an Encroachment Permits from the City of Fresno, an Encroachment Permit from the County of Fresno, Dust Control Plan and Indirect Source Review permits from the San Joaquin Valley Air Pollution Control District, a Storm Water Pollution Prevention Plan from the State Water Resources Control Board; all permits will be completed and obtained either during final design or construction. The deliverables for this task include copies of all required permits. No work has been completed in this task (0% complete).

Category D – Construction / Implementation includes Task 9: Construction Contracting, Task 10: Construction, Task 11: Environmental Compliance/Mitigation/Enhancement, and Task 12: Construction Administration.

Task 9 includes preparation of bid solicitation, pre-bid meeting, public bid advertisement, answering questions during the bidding process, evaluating submitted bids and recommending the lowest responsible bidder. Deliverables for this task include advertisements for bids, bid canvass summary and contract award. No work has begun on this task (0% complete).

Task 10 includes construction of the facilities detailed in Attachment 3, in accordance with applicable state and local standards. The project will be constructed in three separate phases, Mobilization and Site Preparation, Project Construction, and Performance Testing and Demobilization. Deliverables for this task include construction of the planned improvements and Project Completion Certificate. No work has begun on this task (0% complete).

Task 11 includes construction of required mitigation measures, as identified in the approved CEQA document described in Task 7. The deliverables for this task include Listing/Report of protective measures required and Implementation status. No work has begun on this task (0% complete).

Task 12 includes general preparation of construction documents, construction inspection, measurement and payments, contract change orders, schedule, daily reports, certifications and acceptance of furnished equipment and products, final inspection and approval of the Project, and a Notice of Completion prepared and recorded at the County Recorder's office. The deliverables for this task include construction observation reports, submittals, progress payments, change orders, record drawings, and the certificate of completion. No work has begun on this task (0% complete).

A detailed Work Plan will be provided to DWR upon request, including all tasks, subtasks and related information.

Project D: East Orosi CSD – Water Conservation and Meter Project

Category A – Direct Project Administration includes Task 1: Administration, Task 2: Labor Compliance Program and Task 3: Reporting.

Task 1 includes preparation of the grant application, legal services as needed, coordination of cash flow financings as needed, managing the project and contract administration including coordination with DWR and invoicing. The deliverables for this task include meeting minutes, financing agreements (if required) and agency and stakeholder agreements necessary to implement the project. Only the grant application under this task has begun (20% complete).

Task 2 includes adopting and enforcing a labor compliance program pursuant to California Labor Code and applicable laws utilizing a 3rd party labor compliance officer to develop the program and perform the required workplace inspections, reviews, and reporting during construction. The District prepared and received approval of their Labor Compliance Plan in May 2014 (see **Attachment 4k**). The deliverables for this task will include the Labor Compliance Program and Labor Compliance documentation during construction. No work under this task has begun (0% complete).

Task 3 includes preparation of quarterly project reports, a project draft and final project report, and other reporting requirements detailed in the funding agreement. The project draft report will be submitted to DWR for review and comment; once the comments are received and incorporated, the final report will be submitted. The deliverables for this task include preparation of reimbursement claims, submission of quarterly, annual and final reports as specified in the Grant Agreement. No work has begun on this task (0% complete).

Category B – Land Purchase / Easement includes Task 4: Land Acquisition.

No work is required under this task for this project.

Category C - Planning/Design/Engineering/Environmental Documentation includes Tasks 5: Assessment and Evaluation, Task 6: Final Design, Task 7: Environmental Documentation and Task 8: Permitting.

Task 5 includes evaluation of installation details and construction documents and community outreach. Deliverables in this task include the recommendations for changes to details, construction documents and outreach materials. No work has begun on this task (0% complete).

Task 6 includes preparation of final bid documents for all aspects of the Project utilizing consultants. Deliverables for this task include final plans and specifications for the Project. No work has begun on this task (0% complete).

Task 7 includes the required planning and environmental efforts to complete the Project development. The project is anticipated to file an exemption from CEQA under Article 19, Section 15303, New Construction or Conversion of Small Structures; the form is completed and read for filing (see **Attachment 4h**). The deliverable for this task is the Environmental Information Form and proof of filing with the County of Tulare. The work within this task is estimated to be 80% complete.

Task 8 includes the required permitting efforts to complete the Project development. Permitting for the project includes an Encroachment and Plumbing Permits from the County of Tulare, which will be obtained prior to the start of construction. The deliverables for this task include copies of the permits. No work has been completed in this task (0% complete).

Category D – Construction / Implementation includes Task 9: Construction Contracting, Task 10: Construction, Task 11: Environmental Compliance/Mitigation/Enhancement, and Task 12: Construction Administration.

Task 9 includes preparation of bid solicitation, pre-bid meeting, public bid advertisement, answering questions during the bidding process, evaluating submitted bids and recommending the lowest responsible bidder.

Deliverables for this task include advertisements for bids, bid canvass summary and contract award. No work has begun on this task (0% complete).

Task 10 includes construction of the facilities detailed in Attachment 3, in accordance with applicable state and local standards. Deliverables for this task include construction of the planned improvements and Project Completion Certificate. No work has begun on this task (0% complete).

Task 11 includes construction of required mitigation measures; no mitigation measures are anticipated for the Project. There are no deliverables for this task.

Task 12 includes general preparation of construction documents, construction inspection, measurement and payments, contract change orders, schedule, daily reports, certifications and acceptance of furnished equipment and products, final inspection and approval of the Project, and a Notice of Completion prepared and recorded at the County Recorder's office. The deliverables for this task include construction observation reports, submittals, progress payments, change orders, record drawings, and the certificate of completion. No work has begun on this task (0% complete).

A detailed Work Plan will be provided to DWR upon request, including all tasks, subtasks and related information.

Project E: Sultana CSD – Water Conservation and Meter Project

Category A – Direct Project Administration includes Task 1: Administration, Task 2: Labor Compliance Program and Task 3: Reporting.

Task 1 includes preparation of the grant application, legal services as needed, coordination of cash flow financings as needed, managing the project and contract administration including coordination with DWR and invoicing. The deliverables for this task include meeting minutes, financing agreements (if required) and agency and stakeholder agreements necessary to implement the project. Grant preparation has been completed under this task (20% complete).

Task 2 includes adopting and enforcing a labor compliance program pursuant to California Labor Code and applicable laws utilizing a 3rd party labor compliance officer to develop the program and perform the required workplace inspections, reviews, and reporting during construction. The District has contacted a Labor Compliance consultant and received a proposal (see **Attachment 4i**); the labor compliance program will be in place prior to the award of the project's construction contract. The deliverables for this task will include the Labor Compliance Program and Labor Compliance documentation during construction. Preliminary work has begun on this task, but no reimbursement for work completed is sought, so this task is not initiated (0% complete).

Task 3 includes preparation of periodic (monthly or quarterly) project reports, a project draft and final project report, and other reporting requirements detailed in the funding agreement. The project draft report will be submitted to DWR for review and comment; once the comments are received and incorporated, the final report will be submitted. The deliverables for this task include preparation of reimbursement claims, submission of quarterly, annual and final reports as specified in the Grant Agreement. No work has begun on this task (0% complete).

Category B – Land Purchase / Easement includes Task 4: Land Acquisition.

No work is required under this task for this project.

Category C - Planning/Design/Engineering/Environmental Documentation includes Tasks 5: Assessment and Evaluation, Task 6: Final Design, Task 7: Environmental Documentation and Task 8: Permitting.

Task 5 includes evaluation of installation details and construction documents and community outreach. Deliverables in this task include the recommendations for changes to details, construction documents and outreach materials. No work has begun on this task (0% complete).

Task 6 includes preparation of final bid documents for all aspects of the Project utilizing consultants. Deliverables for this task include final plans and specifications for the Project. No work has begun on this task (0% complete).

Task 7 includes the required planning and environmental efforts to complete the Project development. The project is anticipated to file an exemption from CEQA under Article 19, Section 15303, New Construction or Conversion of Small Structures; the form is completed and read for filing (see **Attachment 4j**). The deliverable for this task is the Environmental Information Form and proof of filing with the County of Tulare. The work within this task is estimated to be 80% complete.

Task 8 includes the required permitting efforts to complete the Project development. Permitting for the project includes an Encroachment and Plumbing Permits from the County of Tulare, which will be obtained prior to the start of construction. The deliverables for this task include copies of the permits. No work has been completed in this task (0% complete).

Category D – Construction / Implementation includes Task 9: Construction Contracting, Task 10: Construction, Task 11: Environmental Compliance/Mitigation/Enhancement, and Task 12: Construction Administration.

Task 9 includes preparation of bid solicitation, pre-bid meeting, public bid advertisement, answering questions during the bidding process, evaluating submitted bids and recommending the lowest responsible bidder. Deliverables for this task include advertisements for bids, bid canvass summary and contract award. No work has begun on this task (0% complete).

Task 10 includes construction of the facilities detailed in Attachment 3, in accordance with applicable state and local standards. Deliverables for this task include construction of the planned improvements and Project Completion Certificate. No work has begun on this task (0% complete).

Task 11 includes construction of required mitigation measures; no mitigation measures are anticipated for the Project. There are no deliverables for this task.

Task 12 includes general preparation of construction documents, construction inspection, measurement and payments, contract change orders, schedule, daily reports, certifications and acceptance of furnished equipment and products, final inspection and approval of the Project, and a Notice of Completion prepared and recorded at the County Recorder's office. The deliverables for this task include construction observation reports, submittals, progress payments, change orders, record drawings, and the certificate of completion. No work has begun on this task (0% complete).

A detailed Work Plan will be provided to DWR upon request, including all tasks, subtasks and related information.