



American Recovery and Reinvestment Act

Connecticut DEP

Clean Water State Revolving Fund

Description of the Grant and Summary of Activities:

Connecticut DEP (CTDEP) was awarded a \$48.5 Million American Recovery and Reinvestment Act of 2009 (ARRA) grant to capitalize Connecticut's revolving loan fund for the financing of construction of wastewater treatment facilities and associated infrastructure. This grant funding was deposited into the Connecticut state revolving fund also known as the Clean Water Fund. All funds within the Clean Water Fund (CWF) are governed by applicable state statutes (CGS 22a-475 through 483) and the Regulations of Connecticut State Agencies known as the CWF Regulations. Funding under the CWF is established based upon a priority rating system with criteria regarding improvements to water quality and the protection of public health. The ARRA CWF funding must follow this same priority rating system and method of awards as the state contributions to the CWF.

In December 2008, in anticipation of ARRA funding for the CWF, CTDEP initiated a reevaluation of the current list of prioritized wastewater infrastructure projects. This list had been adopted in January 2008 and covered fiscal years 2008 and 2009. To ensure all projects were considered, CTDEP solicited municipalities for updated information on projects the CTDEP was aware of and new projects that were not previously submitted. In addition, CTDEP reviewed all of the projects submitted in response to the Governor's call for "shovel ready" projects. The result of these efforts was a Final Amended FY 09 Priority List. This list included projects to be funded with both standard and ARRA CWF funds. The new priority list added additional projects (based on increases in available funding as a result of ARRA funds) and modified each projects priority, where appropriate.

All projects on the current priority list of January 17, 2008 were reviewed for costs and readiness to proceed for the purpose of moving the maximum number of funds to the highest rated projects as soon as practical. Based on this review, ARRA funding was directed to construct 4 combined sewer overflow sewer separation (CSO) projects and 1 electrical generation project. All 5 projects will be with the Metropolitan District Commission (MDC) in Hartford, and these projects are the highest priority on the current priority list.

Since the grant was awarded by United States Environmental Protection Agency (EPA) in April 2009, CTDEP has negotiated and executed a master agreement with the MDC. This master agreement covers the four projects that will receive ARRA CWF funding. In addition, CTDEP and

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MDC are working on a second master agreement. This agreement will cover one project that will reduce energy consumption by MDC in their wastewater process. This project will meet the ARRA requirement that 20% of the CWF funding is directed to “green infrastructure.”

Currently, two of the four MDC CSO projects are under construction. The third CSO project has been designed and is out to bid. The green infrastructure project, the electrical generation project, has just completed the 90% design plans.

The construction projects funded by this grant will result in the reduction of combined sewage (sanitary and storm sewage) that discharges into receiving waters in the City of Hartford. In addition, there is direct job creation and retention for engineers and construction contractors for these projects. There are also indirect effects on jobs that have not been fully evaluated. Since this grant has been awarded, 75 engineers, construction contractors and other sub contractors have performed services on these two projects.

The administration of this grant involves coordination between the Sub Recipient (MDC), Vendors, CTDEP and the EPA. A brief description of the roles of each entity is described below. Vendors construct the project, and submit certified payrolls and pay requests to MDC. MDC reviews and approves those submissions, conducts inspections of the construction work, and submits pay requests to CTDEP. CTDEP processes these requests and audits the overall project to confirm that both state and federal requirements are being met. EPA provides oversight to verify that the ARRA deadline of 2/16/2010 will be met, provides guidance on reporting federal requirements, and provides support as necessary to ensure that ARRA project requirements are met.

Reports Required Through 3rd Quarter:

Report	Submitted to	Due Date	Status	Quality Assurance
Federal Clean Water State Revolving Fund Benefits Report	Region 1 EPA	Continuously Updated	On-going	On-going
EPA Project Updates	Region 1 EPA	As Requested	On-going	On-going
US Office of the Inspector General	OIG	As Requested	On-going	On-going
Transportation & Infrastructure Report	US House Representatives	5/15/09	Submitted	Review Complete
Transportation & Infrastructure Report	US House Representatives	6/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	7/8/09	Submitted	Review Complete
Transportation & Infrastructure Report	US House Representatives	7/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	8/5/09	Submitted	Review Complete
Transportation & Infrastructure Report	US House Representatives	8/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	9/4/09	Submitted	Review Complete

Report	Submitted to	Due Date	Status	Quality Assurance
Transportation & Infrastructure Report	US House Representatives	9/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	10/15/09	Submitted	Review Complete
Transportation & Infrastructure Report	US House Representatives	10/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	11/4/09	Pending	Pending
Transportation & Infrastructure Report	US House Representatives	11/15/09	Pending	Pending
State Monthly Report	CT OPM	12/4/09	Pending	Pending
Transportation & Infrastructure Report	US House Representatives	12/15/09	Pending	Pending
State Monthly Report	CT OPM	1/4/10	Pending	Pending
3 rd Quarterly Report	US OMB	1/10/10	Outlined	Pending

Data Reported:

A CWF agreement was executed on 9/15/2009 for \$80 Million (\$38.4M ARRA, \$21.6M Clean Water funds and \$20M is local share). This agreement covers 4 CSO sewer separation projects with the MDC. Two sewer separation construction contracts are underway and CT DEP committed \$3,575,147 of ARRA funding as of 10/19/2009.

Addressing Challenges:

The major challenge for this project has been completing the master CWF assistance agreement, which is a very substantial document. It was necessary to ensure that MDC was aware of all of the additional ARRA requirements and there would be a mechanism to collect all necessary information accurately. These issues were resolved satisfactorily prior to execution of the agreement and CTDEP remains on target to meet the milestones dictated by EPA. Based on the framework of the CWF program, funding can be used to reimburse for authorized work that has been conducted prior to the execution of the agreement. Work had been initiated by MDC on these projects, which made these projects “shovel ready.” However ARRA funding has additional requirements above and beyond standard CWF funding. For example, CTDEP must ensure that MDC meets federal wage provisions of ARRA and the “Buy American” provision is followed. EPA has clarified how these provisions apply to Clean Water projects and CTDEP and MDC were able to ensure all projects were in compliance with ARRA provisions.

Forecast of Third Quarter Activities:

During the next quarter, the final two CSO projects will be under construction. In addition, the plans for the green infrastructure project will be completed and the project will be put out to bid. Additional jobs will be created and retained as additional projects are initiated and work progresses.

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Connecticut DEP

Water Quality Management Planning Grant

Description of the Grant and Summary of Activities:

The United States Environmental Protection Agency (EPA) awarded Connecticut DEP (CTDEP) \$485,000 in Water Quality Management Planning Grant funds under section 604(b) of the Clean Water Act. Under the federal Clean Water Act, Section 604(b) funds are awarded to State water quality management agencies (CTDEP) to carry out water quality management planning including revising water quality standards; performing waste load allocation/total maximum daily loads, point and non-point source planning activities, water quality assessments and watershed restoration plans. The seven projects that will be conducted with these grant funds are outlined below.

- 1) Evaluation of CT's Stormwater General Permits to promote better site design and incorporation of Low Impact Development practices to minimize stormwater runoff volume and pollutant loads for new land use development projects. This project will be administered by CTDEP. Technical and professional services will be conducted by a Vendor to be procured through a request for proposal (RFP). Vendor services will not exceed \$150,500.
- 2) Development of a Water Diversion Database Planning Tool – data management architecture and analytical tool to store, derive and display water quality and water quantity data for enhanced management of CT's water resources. This project will be administered by CTDEP. Technical services will be provided by the Vendor TriCom, Inc. who is the current consultant working on the CTDEP WQX water quality data management system. Vendor services will not exceed \$100,000.
- 3) Publication of Municipal Aquifer Protection Guidance Manual to help municipal aquifer protection agencies better understanding the important role they have in protection of ground water. This manual will be an important tool for municipal aquifer protection agencies to assist them with the adoption and implementation of local aquifer protection regulations. The manual content will be developed by CTDEP. A Vendor will be procured to conduct the professional publication services. Vendor services will not exceed \$25,000.
- 4) Municipal Aquifer Protection Agency Training will be conducted to educate and train municipal officials and staff of the eighty-two (82) towns in Connecticut that have aquifer protection areas. Trainees will acquire the tools needed from the training program to successfully implement local Aquifer Protection Area Program for the

protection of public drinking water. This project will be administered by CTDEP. The University of Connecticut, College of Continuing Studies will be the Vendor on this project and assist with arranging a training location, accept and track registration, register participants, send certificates, along with other logistics. Vendor services will not exceed \$15,500.

- 5) Creation of a Norwalk River Watershed Based plan to address bacterial impairments, based upon the Norwalk River Watershed Initiative's Action Plan and Update. The project will be administered by the Sub Recipient, Southwest Regional Planning Agency (SWRPA). SWRPA will revise and re-write the Norwalk River Watershed Action Plan to incorporate EPA's Nine Elements format. Vendor services will not exceed \$35,000.
- 6) Creation of a Watershed Based Plan to address bacterial impairments in the Pequonnock River. The project will be administered by the Sub Recipient, Southwest Conservation District, who will develop the Watershed Based Plan. Vendor services will not exceed \$59,000.
- 7) Creation of a Watershed Based Plans for the Saugatuck/Aspetuck, Mianus, and Five Mile River Watersheds. The project will be administered by the Sub Recipient, SWRPA, who will develop draft Watershed Based Plans. Vendor services will not exceed \$100,000.

Since this grant was awarded on May 18, 2009, CTDEP identified eligible planning projects. Projects that were evaluated included projects that could be conducted by CTDEP and projects CTDEP received in response to a solicitation conducted for federal Clean Water Act, Section 319 funding. Once these seven projects were selected, CTDEP developed work plans for these projects.

CTDEP is in the process of developing a Request for Proposals for project 1. Purchase Orders are being finalized for projects 2, 3, and 4. In addition, Contracts are being finalized for projects 5, 6 and 7. Thus far, all work has been completed by CTDEP staff with no administrative cost being charged to ARRA funds.

Reports Required Through 3rd Quarter:

Report	Submitted to	Due Date	Status	Quality Assurance
State Monthly Report	CT OPM	7/8/09	Submitted	Review Complete
State Monthly Report	CT OPM	8/5/09	Submitted	Review Complete
State Monthly Report	CT OPM	9/4/09	Submitted	Review Complete
Second Quarterly Report	US OMB	10/10/09	Submitted	Review Complete
State Monthly Report	CT OPM	10/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	11/4/09	Pending	Pending
State Monthly Report	CT OPM	12/4/09	Pending	Pending
Programmatic Report	Region 1 EPA	12/30/09	Pending	Pending
State Monthly Report	CT OPM	1/4/10	Pending	Pending
Third Quarterly Report	US OMB	1/10/10	Outlined	Pending

Data Reported:

Since no Vendors have been selected and CTDEP is not charging administrative expenses to this grant, there are not significant activities reported. It is anticipated that approximately six jobs will be created or retained when these Vendors are selected.

Addressing Challenges:

The mechanisms for delegating responsibilities and establishing financial transfers continued to be challenges. CTDEP is utilizing previously developed ARRA instruments that will aid in the resolutions of ARRA, EPA and State requirements. In addition, CTDEP is coordinating with EPA to ensure activities taken meet their expectations.

Forecast of Third Quarter Activities:

Evaluation of CT's stormwater general permits to promote better site design and incorporate low impact development practices: A Vendor will be procured and work will initiate.

Enhancement of the DEP Water Quality Exchange (WQX) data management system to incorporate the water diversion database planning tool: CTDEP will modify an established purchase order with the Vendor working on DEPs WQX data management system and begin this project.

Design and publishing of municipal aquifer protection guidance manual: CTDEP staff will continue to work on the content of this guidance manual and procurement of a Vendor for professional proofing, editing, and graphics services will be initiated.

Develop and present training for municipal aquifer protection agencies: CTDEP will finalize a Memorandum of Agreement with UCONN College of Continuing Studies and the first of three training for municipal aquifer protection agency staff will be completed.

Creation of a watershed based plan for the Norwalk River watershed to address bacterial impairments: CTDEP will finalize and execute the contract with SWRPA and work will begin on updating and revising the Norwalk River Watershed Initiative Action Plan.

Develop a watershed based plan to address bacterial impairments in the Pequonnock River: CTDEP will finalize and execute the contract with Southwest Conservation District and work will begin on developing a watershed based plan.

Creation of watershed based plans in the Saugatuck/Aspetuck, Mianus, and Five Mile River watersheds: CTDEP will finalize and execute the contract with SWRPA and work will begin on creating watershed based plans for the above three watersheds.

American Recovery and Reinvestment Act

Connecticut DEP

State Diesel Emission Reduction Act

Description of the Grant and Summary of Activities:

Connecticut DEP was awarded \$1.73 Million in Diesel Emission Reduction Act funds for three projects: 1) a retrofit program to reduce diesel emissions associated with highway construction and maintenance; 2) the establishment of an electrified truck stop to reduce the impact of drayage truck idling in and around the Port of New Haven; and 3) a locomotive engine conversion project to replace a highly polluting locomotive engine on one locomotive used as a switch engine at the Providence and Worcester rail yard in New Haven.

Since receiving this grant in early April 2009, CTDEP staff refined appropriate instruments for delegating responsibilities and establishing financial transfers to satisfy the American Recovery and Reinvestment Act of 2009 (ARRA), EPA and State requirements. CTDEP coordinated with each of the Sub Recipients in project planning efforts to develop detailed scopes of work or memorandums of agreement for tracking responsibilities, project progress, tracking jobs created or retained and procedures for reimbursements. Establishing responsibilities for reporting and other requirements of ARRA and the DERA grant was part of this coordination. CTDEP committed 0.139 full-time equivalent (FTE) staff positions for administrative tasks associated with establishing the framework for implementing the programs covered by the grant. In addition, progress was made on each of the projects as follows:

- **CT Department of Transportation (ConnDOT) Retrofits:** ConnDOT is the Sub Recipient for this project and will retrofit both ConnDOT snow-plow dump trucks and non-road construction vehicles working on ConnDOT projects. During this quarter, the Vendor for retrofitting ConnDOT's snow-plow dump trucks was secured and the process for retrofitting these vehicles was developed. This included an examination of these vehicles, selection of the appropriate DOC technology, procuring this equipment and testing the process on one ConnDOT snow-plow dump truck. The process and DOC technology was successful. In addition, ConnDOT has developed a process and logistics for incorporating language into construction contracts that will result in the retrofit of non-road construction equipment with appropriate DOC technology. Upcoming projects in Fairfield and New Haven Counties are being evaluated as potential candidates for installing DOCs on construction equipment. Second quarter activities under this grant resulted in 2 positions being retained by the Vendor that will be installing these DOC systems on ConnDOT trucks.

- Providence & Worcester Rail Road (PWRR) Locomotive Repower:** A contract was executed between CTDEP and PWRR and project planning progressed. PWRR is the Sub Recipient for this project. PWRR is currently working to procure a Vendor to conduct necessary engine replacement.
- New Haven Truck Stop Electrification (TSE):** The City of New Haven is the Sub Recipient for this project. The City continued project planning on this project, which consists of the installation of fourteen TSE units in a parking lot within the Port District to accommodate trucks that are awaiting entry into port terminals as part of the ongoing New Haven Port Diesel Reduction Program. These TSE units allow truck drivers to have heat, air conditioning and electricity for in-cab appliances without idling their truck engines. This air pollution control project will reduce diesel emissions and the resulting health impacts. The TSE units will be installed in an environmental justice neighborhood where truck engines currently idle while the drivers await their turns for delivery and pickup at the port. Idle reduction results in decreases in multi-pollutant emissions, therefore improving air quality. The resulting improvement in health will provide long term economic benefits from reductions in health care costs. EPA regards the installation of TSE units as an infrastructure project, subject to special requirements under ARRA and the grant agreement. One such requirement is the posting of an ARRA Section 1511 Infrastructure Certification for this project; this was signed and posted on CTDEP's Recovery Act website at: http://www.ct.gov/dep/lib/dep/stimulus/dera_tse_1511cert.pdf.

Reports Required Through 3rd Quarter:

Report	Submitted to	Due Date	Status	Quality Assurance
State Monthly Report	CT OPM	7/8/09	Submitted	Review Complete
First Quarterly Report	Region 1 EPA	7/10/09	Submitted	Review Complete
State Monthly Report	CT OPM	8/5/09	Submitted	Review Complete
State Monthly Report	CT OPM	9/4/09	Submitted	Review Complete
Second Quarterly Report	US OMB	10/10/09	Submitted	Review Complete
State Monthly Report	CT OPM	10/15/09	Submitted	Review Complete
2 nd Quarter Programmatic Report	Region 1 EPA	10/30/09	To Be Submitted	Review Complete
State Monthly Report	CT OPM	11/4/09	Pending	Pending
State Monthly Report	CT OPM	12/4/09	Pending	Pending
State Monthly Report	CT OPM	1/4/10	Pending	Pending
Third Quarterly Report	US OMB	1/10/10	Outlined	Pending
3 rd Quarter Programmatic Report	Region 1 EPA	1/30/10	Outlined	Pending

Data Reported:

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The activities in this quarter resulted in the installation of an emission control device on one ConnDOT snowplow truck. The Vendor reported that two FTE positions were retained for that purpose.

CTDEP has entered into a Memorandum of Agreement with ConnDOT that commits \$510,000 to ConnDOT - \$180,000 has been transferred to ConnDOT. Of this initial transfer, approximately \$166,000 has been committed to conduct retrofits. A second transfer in the amount of \$216,000 will occur soon.

PWRR and CTDEP have entered into a contract that commits \$750,000 to the PWRR engine replacement project. PWRR will provide up to \$480,000 of their funds to complete this project that is estimated at \$1,100,000.

CTDEP has executed a purchase order with the City of New Haven, which commits \$ 380,256 to this project.

In total, \$1,310,256 has been committed for work under this grant as of September 30, 2009.

Addressing Challenges:

The mechanisms for delegating responsibilities and establishing financial transfers continued to be challenges during the second quarter, but these have now been satisfactorily resolved and CTDEP remains on target to meet the milestones in the work plan proposed submitted to EPA. Proposals for resolving the issues were developed, reviewed and finalized by the appropriate agencies. CTDEP succeeded in refining appropriate instruments by which these resolutions could satisfy ARRA, EPA and State requirements. In cases where the resolution of these issues requires revision of the work plan; CTDEP is coordinating with EPA to incorporate the necessary changes.

Forecast of Third Quarter Activities:

ConnDOT Retrofit Project: In the third quarter, ConnDOT plans to advertise highway construction contracts on which equipment retrofits can be specified. ConnDOT also plans to continue retrofitting trucks from its own fleet.

New Haven TSE Project: New Haven plans to select vendors and enter into contracts for the purchase and installation of the TSE units. Posting the required ARRA sign, the formal ground-breaking and site preparation are also anticipated in the third quarter.

PWRR Locomotive Conversion Project: PWRR's next steps include procuring a project management firm and a vendor to implement the engine conversion.

American Recovery and Reinvestment Act

Connecticut DEP

Leaking Underground Storage Tank Program

Description of the Grant and Summary of Activities:

The United States Environmental Protection Agency (EPA) awarded \$2 Million to the Connecticut DEP (CTDEP) under the American Recovery and Reinvestment Act of 2009 (ARRA) to identify, assess and cleanup federally-regulated Leaking Underground Storage Tank (LUST) sites. This funding is part of the \$197 Million appropriated under the ARRA to address LUST sites nationwide. The funds will be used for oversight of the assessment and cleanup of leaks from underground storage tanks or for directly funding the assessment and cleanup of leaks where the responsible party is unknown, unwilling or unable to finance the cleanup. In addition to cleaning up sites and protecting Connecticut's groundwater, this project is expected to create and/or retain jobs.

In order to be eligible to receive ARRA funds, the CTDEP entered into a cooperative agreement with EPA's Region 1 Office of Underground Storage Tanks. EPA provided initial guidance on how to implement the ARRA LUST Program in June 2009. That same month, CTDEP submitted an Assistance Agreement Work Plan Narrative to EPA and in July an Application for Federal Assistance was finalized. The \$2 Million award was signed by CTDEP on August 26, 2009. The ending date of the project is September 30, 2011.

EPA's guidance document incorporates strategies to ensure that funds are used effectively to achieve the goals of LUST site cleanups, while at the same time maximizing job creation/retention to provide economic, health, and environmental benefits to the citizens of Connecticut. Performance measures were established to facilitate the documentation of State oversight (indirect) and of funds used (direct) for assessment and cleanup actions. Performance in each category is measured by the number of Site Assessments Initiated, Site Assessments Completed, Cleanups Initiated, and Cleanups Completed.

Starting as early as February 2009, the CTDEP initiated an extensive file and database search for facilities that could potentially be eligible for use of ARRA LUST funding. CTDEP focused the search for LUST sites where the owners are unknown, unwilling or unable to finance the cleanup or the cleanup is necessary as part of an emergency response. In CTDEP's June Assistance Agreement Work Plan Narrative a total of fourteen facilities were determined to be potentially eligible for ARRA LUST funding. In July, the CTDEP sent a Request for Proposals (RFP) to seven environmental consulting firms that are currently eligible to submit bids

pursuant to the State of Connecticut's Department of Administrative Services Contract No. 05PSX0271. The response deadline was set for August 14, and the CTDEP has reviewed the bids and will be selecting a contractor shortly.

Reports Required Through 3rd Quarter:

Report	Submitted to	Due Date	Status	Quality Assurance
State Monthly Report	CT OPM	9/4/09	Submitted	Review Complete
Second Quarterly Report	US OMB	10/10/09	Submitted	Review Complete
2 nd Quarter Programmatic Report	Region 1 EPA	10/10/09	Submitted	Review Complete
State Monthly Report	CT OPM	10/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	11/4/09	Pending	Pending
State Monthly Report	CT OPM	12/4/09	Pending	Pending
State Monthly Report	CT OPM	1/4/10	Pending	Pending
3 rd Quarterly Report	US OMB	1/10/10	Outlined	Pending
3 rd Quarter Programmatic Report	Region 1 EPA	1/10/10	Outlined	Pending

Data Reported:

The activities in this quarter resulted in developing a prioritization process for the selection of LUST sites to be addressed with ARRA LUST funds. Sites from this list are being discussed with representatives from the Connecticut Office of the Attorney General to determine liability and viability of owners and operators of the properties on this list.

In addition, the Vendor selection process is near complete. There will be no Sub Recipient associated with this grant.

Addressing Challenges:

The mechanisms for delegating responsibilities, especially ARRA-specific reporting requirements, have been difficult. These issues have been satisfactorily resolved and CTDEP remains on target to initiate work with a Vendor in the near future.

Forecast of Third Quarter Activities:

The assessment and cleanup of several LUST sites will commence after a Vendor is selected. With the assistance of the Connecticut Office of the Attorney General, arrangements will be made regarding the EPA-required cost recovery efforts. Remedial actions will then be planned and implemented. The effects of this grant, reductions in risk to human health and the environment, increased economic viability of addressed sites, and job creation/retention, will be more evident at the conclusion of the third quarter.

American Recovery and Reinvestment Act

Connecticut DEP

NOAA Coastal and Marine Habitat Restoration Project Grants Tingue Dam Bypass Channel Naugatuck River, Seymour, CT

Description of the Grant and Summary of Activities:

Connecticut DEP (CTDEP) was awarded \$2.50 Million in competitive NOAA Coastal and Marine Restoration Project funds for construction of the Tingue Fish Bypass on the Naugatuck River in Seymour, CT. CTDEP committed \$2,250,000 in State match for this project for an overall project cost of \$4,750,000.

CTDEP was awarded this NOAA grant on August 21, 2009. Since receiving the grant, CTDEP has been working to finalize pre-construction activities for construction of this bypass channel.

Activities that have been conducted include:

- **DESIGN:** All review comments on the design plans from CTDEP Inland Water, CTDEP Fisheries, NOAA and US Fish and Wildlife were transmitted to design/engineering sub contractor. This contractor is working to revise plans, specifications and bid documents under a non-ARRA contract that was executed prior to CTDEP receiving ARRA funding.
- **PERMITTING:** CTDEP has received confirmation from CT OPM that Connecticut Environmental Policy Act requirements have been satisfied. CTDEP is providing support information to NOAA as they develop NEPA (National Environmental Policy Act) documents.
- **LAND ACQUISITION AND CONSTRUCTION EASEMENTS:** CTDEP, NOAA and the engineer have had several meetings with the Town of Seymour to discuss property/construction easements. The Town of Seymour is actively pursuing acquisition of the final piece of land necessary to construct the project.
- **GRANTS MANAGEMENT:** ARRA Fraud Training slides were sent to CTDEP from NOAA on 9/28/09. Training slides were reviewed by numerous CTDEP personnel, including Project Manager, Grants Manager, Division Director, Bureau Chief and DEP Chief of Staff/ Agency Chief Accountability Officer for ARRA.

Project Timeline: The construction of the project is expected to begin by January 2010 and the project is expected to be completed within 18 months of the project start date, with substantial completion within the first 12 months. While final property acquisition and permitting is still underway, CTDEP anticipates no problems meeting the 18 month construction completion date.

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Project Scope: Major construction activities include creation of a fish bypass channel around the Tingue Dam on the Naugatuck River through excavation and removal of fill. The channel will include habitat features to ensure diadromous fish passage success. The site will be stabilized and streamside habitat restored to promote infiltration of stormwater by the use of pervious paving and native vegetation landscaping techniques. Post-construction activities will include monitoring the fishway in two ways: visual observations of fishes actively migrating up the fishway, and documentation of physical and hydraulic conditions (comparing design flow characteristics with actual flow characteristics).

Coastal and marine habitats to benefit from the project: The removal (bypass) of Tingue Dam, an in-stream barrier to diadromous fish passage on the Naugatuck River, will immediately restore access to 32 miles of essential habitat for spawning, and juvenile rearing and growth of American shad, blueback herring, alewife and American eel, four species of regional and national significance. The distance in miles within the mainstem between the Tingue Dam and the upstream Plume-Atwood Dam (targeted for eventual removal) is 24 miles and the amount of habitat initially opened on seven tributaries will be 8 miles, which will also increase when several targeted dams are eventually removed. The Naugatuck River watershed (310 square miles) joins the Housatonic River eight miles upstream from Long Island Sound, near the head of tide. In turn, the Housatonic River basin is the largest watershed with the greatest amount of historical diadromous fish freshwater habitat in the western Long Island Sound. Passage around the Tingue Dam complements a series of eight dam removal and fish passage projects, including six on the Naugatuck River from Ansonia, CT, near the confluence of the Naugatuck and Housatonic Rivers, upstream approximately 23 miles to Thomaston, CT, and two on tributaries. The Naugatuck River, once dominated by untreated sewage and industrial waste, has undergone marked improvements in water quality and has become a coldwater fishing destination in Connecticut. The restoration of fish passage for anadromous herrings and searun brown trout will extend these improvements. The Naugatuck River is a highly-urbanized watershed and will afford greater access and value to urban residents for recreation and aesthetics in an economically disadvantaged area.

Reports Required Through 3rd Quarter:

Report	Submitted to	Due Date	Status	Quality Assurance
State Monthly Report	CT OPM	9/4/09	Submitted	Review Complete
Second Quarterly Report	US OMB	10/10/09	Submitted	Review Complete
2 nd Quarter Programmatic Report	NOAA	10/14/09	Submitted	Review Complete
State Monthly Report	CT OPM	10/15/09	Submitted	Review Complete
State Monthly Report	CT OPM	11/4/09	Pending	Pending
State Monthly Report	CT OPM	12/4/09	Pending	Pending
State Monthly Report	CT OPM	1/4/10	Pending	Pending
Third Quarterly Report	US OMB	1/10/10	Pending	Pending
3 rd Quarter Programmatic Report	NOAA	1/31/10	Pending	Pending

Data Reported:

The activities in this quarter resulted in no ARRA expenses being recorded, as final permit processing, plan revision and creation of bid documents are being undertaken under a non-ARRA contract.

Addressing Challenges:

While final property acquisition and permitting is still underway, and will require some more time, CTDEP believes all permitting will be completed in the next quarter. CTDEP anticipates no problem meeting the 18 month construction completion NOAA deadline. CTDEP is remaining in close communication with NOAA on project deliverables and timeframes.

Forecast of Next Quarter Activities:

Permits and Approvals: This project has been designed but small modifications are necessary to reflect NOAA requirements and changes to state/federal bid requirements. Once final design plans are available, all remaining permits will be processed. In the next quarter, CTDEP anticipates receipt and approval of the Army Corps of Engineer Cat 1 Programmatic General Permit, State Dam Safety permit and State Flood Management Certification. These permits had previously been issued but had expired, therefore, reissuance of applicable permits (dam safety, flood management, 401 water quality, and ACOE PGP) is expected prior to the construction start date.

Contract Award: As soon CTDEP is in receipt of all required permits and federal NEPA approval, procurement of a Vendor will commence. The selected Vendor will begin construction implementation. In addition, CTDEP will be requesting sole-source approval for the design consultant to continue and to provide construction oversight and ARRA compliance.