



**LOUISIANA  
WATER RESOURCES  
COMMISSION**

***UPDATE ON MANAGEMENT  
RECOMMENDATIONS***

**JANUARY 2015**

## INTRODUCTION

In its March 2012 interim report to the Legislature, the Louisiana Ground Water Resources Commission (now the Louisiana Water Resources Commission) included a comprehensive set of water resource management recommendations for implementation by either Legislative or Administrative action. The Office of Conservation, as the administrative agency for the Commission, provided reports on progress towards implementing these recommendations in June 2013 and January 2014. These reports are available on-line at <http://dnr.la.gov/groundwater>. The new report presented here offers a further recapitulation of work towards accomplishment of the proposed recommendations to the extent practicable within legal and budgetary constraints.

## RECOMMENDATIONS

### 1. MONITORING –

**1a. Appropriate funding for the establishment of a statewide aquifer monitoring network**

**1b. Appropriate funding for the establishment of a surface water availability gauging network in areas where surface water alternatives may be necessary for groundwater sustainability**

Although Recommendations 1a. and 1b. were slated originally for legislative action, the Department of Natural Resources (DNR) secured funding through the Federal Petroleum Violation Escrow Account (PVE) and established partnerships with the United States Geological Survey (USGS) and Louisiana Geological Survey to develop an expanded aquifer monitoring network (USGS) and a surface water gauging network (LGS) for a three-year period. Two years of data are now available.

Water level data from the DNR/USGS aquifer monitoring network:  
<http://groundwaterwatch.usgs.gov/LNR/StateMaps/LNR.html>.

Water level data collected by USGS from other monitor networks:  
<http://nwis.waterdata.usgs.gov/la/nwis/gwlevels>.

Chloride and other water-quality data:  
<http://nwis.waterdata.usgs.gov/la/nwis/qwdata>.

2012 state water use data by parish, type, aquifer, and surface water basin:  
<http://la.water.usgs.gov/WaterUse/default.asp>.

Program funding for the monitoring networks is temporary and will expire on June 30, 2015, although some data will continue to be collected into the first quarter of 2016. DNR has requested additional PVE funding to maintain the networks in some capacity through June 30, 2016. Based on similar past agency

requests for PVE funding approvals, agency staff have a reasonable expectation that this funding request will be approved as well. Funding beyond 2016 remains an outstanding issue.

**1c. Establish groundwater production reporting requirements for non-domestic well owners in areas where groundwater sustainability is not improving**

Such requirements are in place where necessary. Also, see Recommendation 1d. below. Additional action may be necessary based on findings of the Water Institute project.

**1d. Develop and implement an aquifer sustainability grading and prioritization ranking system**

The Office of Conservation is overseeing a project with the Water Institute of the Gulf (Water Institute) to create an easy-to-comprehend grading and prioritization ranking system for sustainability based upon past and present assessments of water level, water quality, and current and projected water use data. Funding is being provided through PVE and the Coastal Protection and Restoration Authority (CPRA).

**2. AUDITING –**

**2a. Continue to improve implementation of statewide water well notification compliance audit procedures**

**2b. Focus resources on consolidating water well registration and notification database information**

New notification regulations have been approved and compliance audit procedures have been revised to meet Recommendation 2a. FY2014 (July 2013-June 2014) showed that 480 registered wells required prior notification; Office of Conservation quarterly audits demonstrated an 86.7% compliance rate with state regulations on this issue. Compliance orders have been, and continue to be, issued to secure 100% adherence. For Recommendation 2b., Conservation staff are continuing to digitize thousands of water well records although a lack of funding and dedicated IT staff continue to limit work towards a consolidation of the DOTD and Office of Conservation water well databases.

**3. EDUCATION –**

**3a. Seek to establish a mandatory statewide groundwater and surface water education curriculum at elementary and high grade levels**

The Office of Conservation continues to explore the best means to leverage resources to meet this recommendation. The agency has developed partnerships and relationships with other government agencies as well as non-government

organizations to further the goal of establishing an across-the-board curriculum in water resource management and sustainability. Although a mandatory curriculum is not in effect at this time, Conservation has overseen the development of a local curriculum in East Baton Rouge Parish and continues to seek opportunities to expand this work into other parishes and statewide.

**3b. Seek partnerships and improvements to web-based education and outreach efforts**

See Recommendation 3a. above. The agency continues to pursue opportunities to expand its outreach efforts as interests and budgets allow.

**3c. Request local governments, where groundwater resources are in demand for public supply, to establish groundwater and surface water education and outreach measures**

The agency has offered to assist any and all local governments in the development of water resource education and outreach programs.

**3d. Pursue partnerships with parishes to establish a single-point-of-contact for water resources education and conservation efforts at the local level**

The agency provides periodic updates on ground and surface water management to parish-level contacts and continues to pursue opportunities for further outreach through this network.

**4. REGISTRATION –**

**4a. Revise water well installation notification and evaluation regulations**

New well notification and evaluation regulations have been promulgated and implemented.

**4b. Focus resources to implement the integration of the water well driller and well owner database management systems, improve SONRIS and GIS output capacities, and streamline on-line document evaluation and response**

A lack of funding and dedicated IT staff continues to limit work towards a consolidation of the DOTD and Office of Conservation water well databases. See Recommendation 2b. above.

**4c. Pursue innovative ideas to encourage owner registration of currently exempt un-registered water wells**

This continues to be a priority for the agency.

## **5. EVALUATION –**

### **5a. Update water well notification evaluation procedure to document water level drawdown assessments**

Revised procedures are in effect.

### **5b. Investigate revising the water well notification form (GWR-01) to include disclosure of efforts to use surface water alternatives in areas where groundwater sustainability is challenged**

Revised procedures are in effect.

### **5c. Focus resources to improve and increase use of groundwater level and quality data through DNR SONRIS and GIS systems**

See Recommendation 2b. above.

## **6. INCENTIVES –**

### **6a. Investigate feasible and effective ways to provide conservation incentives**

The agency has evaluated various conservation incentives. See Recommendation 1d. above. It is expected that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding future conservation incentive programs.

### **6b. For Legislative Action Evaluate capital outlay policies and procedures to promote alternative water source use in areas where sustainability is challenged**

The Office of Conservation is not aware of any action towards accomplishment of this recommendation other than as suggested in previous studies. Also, see Recommendation 1d. above. It is expected that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding the development of such policies.

### **6c. Evaluate local governments' requirements for participation in the Community Water Enrichment Fund program**

The agency has evaluated these requirements and has no changes to recommend at this time.

**6d. *For Legislative Action Evaluate linking tax credit and abatement policy to water conservation and alternative source use***

The Office of Conservation is not aware of any action towards accomplishment of this recommendation. It is expected, however, that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding the development of such policies.

**6e. *For Legislative Action Evaluate fiscal policy to reward high volume groundwater users to switch to surface water***

The Office of Conservation is not aware of any action towards accomplishment of this recommendation. Again, it is expected that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding the development of such policies.

**7. ENFORCEMENT –**

***Investigate implementation of progressive enforcement techniques to aid in beneficial projects such as conservation education assistance***

The Office of Conservation has evaluated such opportunities.

**8. EMERGENCIES (RESPONSE COORDINATION) –**

***Investigate coverage of groundwater emergencies by GOHSEP and amend agency Emergency Response Contingency Plan as necessary***

Evaluation completed and emergency plan amended.

**9. COLLABORATION –**

***9a. Implement an annual, multi-agency stakeholders' conference***

The Office of Conservation hosted a Water Resources Commission workshop in October 2013 but funding issues currently limit more extensive conference opportunities.

***9b. Require water conservation districts to file annual reports***

Recommendation implemented by legislative action.

**9c. Engage legal scholars to research and explore the non-compensated consumption of surface water when used as an alternative to groundwater**

**9d. Engage experts to research and explore the consequences of out-of-state sales of water resources**

For Recommendations 9c. and 9d., SCR 53 of 2012 requested that the Louisiana State Law Institute “study legal issues surrounding groundwater and surface water law and any needs for revisions to current law.” The Institute completed this report in early 2014 and submitted it to the Legislature for review. SR 171 of 2014 subsequently requested that the Institute create a Water Code Committee to study the different facets of water law in Louisiana and make recommendations for providing revisions to present law. This work is underway.

## **10. GOVERNANCE –**

**10a. Draft and implement regulations for the establishment of a statewide regional network of advisory panels**

See Recommendation 1d above. It is expected that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding further consideration of this recommendation.

**10b. For Legislative Action Affirm authority of local governments to protect public supply wells**

The Office of Conservation is not aware of any action towards accomplishment of this recommendation.

**10c. Explore drafting new regulations for E&P waste fluids recovery, recycling, and re-use**

Recommendation implemented by agency action.

**10d. Engage legal scholars to research and explore non-compensated consumption of surface water**

**10e. Engage experts to research and explore the consequences of out-of-state sales of water resources**

For Recommendations 10d. and 10e., see Recommendation 9c. and 9d.

**10f. For Legislative Action Extend the sunset of Act 955 of 2010**

Act 261 of 2012 extended the provisions of Act 955(Surface Water Management Act) through 2014. Act 285 of 2014 extended these provisions through 2016.

**COMPLETED**

**10g. Add surface water responsibilities to the Ground Water Resources Commission**

Recommendation implemented by legislative action.

**10h. Investigate developing new or improving upon existing aquifer recharge area protective measures**

See Recommendation 1d. above. It is expected that the findings, conclusions, and recommendations of the Water Institute project may be useful in guiding further consideration of this recommendation.

# **LOUISIANA WATER RESOURCES COMMISSION**

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