

RESOLUTION 14-53

**A RESOLUTION SUPPORTING APPROVAL OF DISBURSEMENTS
FROM WATER SUPPLY ESCROW FUND FOR DUCK RIVER AGENCY
FISCAL YEAR 2014-2015 PROGRAM BUDGET**

WHEREAS, the City of Spring Hill is a Member of Duck River Agency Technical Advisory Committee; and

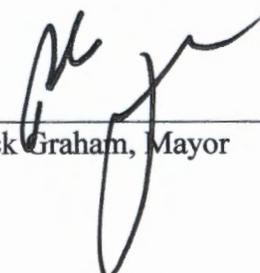
WHEREAS, the Duck River Comprehensive Regional Water Supply Plan has recommended two water supply infrastructure projects for future water demands: increasing the capacity of Normandy Reservoir and constructing a new intake near Williamsport. The Duck River Agency Technical Advisory Committee has recommended that the Duck River Agency continue the planning and funding of these projects in fiscal year 2014-2015; and

WHEREAS, according to each water system's agreement, the governing board of each system is required to approve decisions regarding of the use of cooperative funds from customer fees; and

WHEREAS, the analyses for these projects will require the Agency to disburse funds from its Water Supply Escrow Fund upon approval from a simple majority of the agency members, which includes Spring Hill Board of Mayor and Aldermen; and

NOW, THEREFORE, BE IT RESOLVED, by the Board of Mayor and Alderman of Spring Hill, Tennessee, supports and approves of disbursement from Water Supply Escrow Fund for Duck River Agency in the fiscal year 2014-2015 Program Budget, as outlined in the attached request letter, program budget, and agency annual program outline.

Passed and adopted this 19th day of May, 2014.



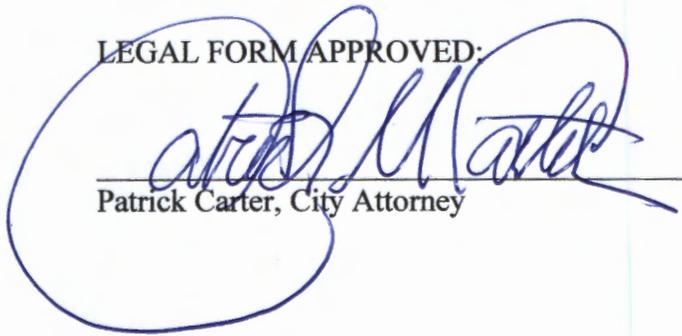
Rick Graham, Mayor

ATTEST:



April Goad, City Recorder

LEGAL FORM APPROVED:



Patrick Carter, City Attorney

FY2015 Duck River Agency Program

Annual Programs and Contracts

1. **USGS Gaging Stations:** Contract #12ESTNGEML00005 with USGS to operate gaging stations at Rock Creek, Fountain Creek, Milltown and Sowell Mill Pike Bridge. Estimated DRA budget for FY2015 is \$37,600.00. Total cost for operation of the gaging stations is \$61,600.00 with USGS Federal Matching Funds of \$24,000.00. This agreement will be renewed October 1, 2014.
2. **Annual Duck River Cleanup:** Provide T-shirts and plastic garbage bags for volunteers. Estimated budget for FY2015 is \$3,000.00.

Contracts for the Duck River Regional Water Supply Program:

3. **O'Brien & Gere Engineers, Inc (OBG):** OBG has been the Agency's primary consultant since July 2009. The first project the Agency contracted with OBG was to develop a long term comprehensive regional water supply plan which was completed and approved by the Agency Board of Directors and members of DRATAC in October 2010. Upon approval the Agency contracted with OBG to be the primary consultant to begin implementation of the water supply plan recommended programs and projects. Listed below is a summary of OBG task and estimated budgets for the FY2015 Program:
 - a. **Program Management:** An OBG Principal Project Manager will be assigned to assist the DRA executive director with the following activities for implementing water supply projects but not limited to: 1)implementation planning, 2)scheduling, 3)progress reports. OBG's estimated budget for FY2015 services is \$14,620.00.
 - b. **Duck River Regional Drought Management Plan (DMP):** The DRA contracted with OBG in FY2011 to develop the DMP. The planning phase of the project was completed in the fall of 2013. The DMP was submitted to TVA in February 2014 for implementation. OBG estimated budget for FY2015 to assist with the NEPA process is \$5,300.
 - c. **Optimizing Normandy Reservoir Releases:** The DRA contracted with OBG in FY2012 to study and recommend improvements for Normandy Reservoir releases that would improve water storage conditions during periods of drought. The study phase and recommendation report was completed in the fall of 2013. The report and recommendation was submitted to TVA in February 2014 for approval and action. OBG estimated budget for FY2015 to assist with the NEPA process is \$5,300.
 - d. **Water Use Efficiency Program (WUEP):** In FY2014 OBG assisted the DRA with developing a regional water-use efficiency program scope along with a prospective company ,Maddaus Water Management, that specializes with these type programs .The current project scope was not approved by DRATAC members. DRATAC members were

not comfortable with the proposed budget and scope which included a detail analyses of current water use and demand projects for 30 years for the first phase of the program. This year OBG will continue to work with the DRA developing a WUEP for the region. The new scope will focus more on an education water conservation program without detail analyses of how we use water currently in the region that included estimated future water demand projections. An estimate of \$10,500 remains in the budget that was approved in FY2014 for OBG that will be used to continue their services for the WUEP. There is no new funding request for FY2015.

- e. **Normandy Reservoir Capacity Improvements:** OBG began Phase I, Dam Stability Analyses, with initial investigations and engineering analyses in FY2011 and continued in FY2012 to determine the feasibility of raising Normandy Dam for capacity improvements. In the fall of 2013 OBG finalized the Stability Analyses for Normandy Dam with recommendations on how to raise Normandy Dam that included an estimated cost for renovations. The recommendation to change the Flood Guide and raise winter pool levels to increase capacity was made to TVA in February 2014. OBG estimated budget for FY2015 to assist with the NEPA process is \$6,100.
 - f. **Maury County Regional Water Supply Program:** OBG completed a Feasibility Study for Maury County Regional Water Supply in early 2014 to determine if a raw water supply option to Columbia Water Systems was needed or a regional water treatment plant was a better option to serve all the water systems in Maury County. Future demands and the Feasibility Study recommend the need for a future regional water treatment facility. In the spring of 2014 OBG began development of a Strategic Plan that addresses location, size, new intake, piping and a financial strategy for a Maury County Regional Water Treatment facility. A RFQ will be released in late spring of 2014 for an engineering firm to begin work identifying and obtaining a permit for a new intake on the west side of Maury County. A budget will be proposed for this work by mid-summer. The budget for the Strategic Plan was approved in the FY2014 Program and there is no new funding in FY2015.
4. **HydroLogic's, Inc.:** HydroLogic's developed and has provided on-call and as-needed modeling support for the Duck River OASIS Model. The Agency has a agreement and budget for \$30,000 for HydroLogic's services. The agreement is for time and materials by a written Task Order per model run and model updates from the DRA executive director upon which HydroLogic's will provide a budget estimate. The FY2015 needs will continue under the current agreement which will include a model update.
 5. **Pathogen Compliance Analysis:** The DRATAC members have asked the DRA to fund a water sampling program that test for water quality issues and pathogens that is required by the state and EPA on a ten year cycle. The analyses are used to provide information to the water systems , TDEC and EPA to determine if current water treatment criterions are adequate. Part of the lab analyses will be provided by Duck River Utility Commission. Estimated budget for FY2015 is \$60,000.

**Tennessee Duck River Development Agency
Program Budget & Funding Source
For Fiscal Year 2015**

| | FY2015 New Budget | Approved and Carryover Budget from FY2014 | FY2015 Total Budget |
|--|-------------------------|--|---------------------------|
| Trust Fund B | | | |
| Balance 03/31/2014 = \$2,270,770 | | | |
| Annual Programs and Contracts | | | |
| a. USGS Streamgages | 37,600 | 0 | 37,600 |
| b. Regional Duck River Cleanup | 3,000 | 0 | 3,000 |
| Water Supply Plan Implementation Contracts/Projects | | | |
| a. Regional Drought Management Plan - OBG | 5,300 | 0 | 5,300 |
| b. Optimizing Normandy Reservoir Releases - OBG | 5,300 | 0 | 5,300 |
| c. Water Use Efficiency Program - OBG | 0 | 10,500 | 10,500 |
| Program Support | | | |
| a. Program Management - OBG | 14,620 | 0 | 14,620 |
| c. Modeling/consulting - HydroLogics | 0 | 25,000 | 25,000 |
| d. Pathogen Compliance Analysis - DRATAC | 60,000 | 0 | 60,000 |
| Project Funding for FY2014 | 125,820 | 35,500 | 161,320 |
| Administrative Budget for FY2014 | 201,557 | 0 | 201,557 |
| Total Trust Fund B Expenses | \$ 327,377 | \$ 35,500 | \$ 362,877 |

Water Supply Escrow Fund

Balance 3/31/2014 = \$12,355,706

| | | | |
|---|-----------------|------------------|------------------|
| a. Normandy Reservoir Capacity Improvements - OBG | 6,100 | 0 | 6,100 |
| c. New Maury County Water Supply Intake - OBG | 0 | 70,500 | 70,500 |
| 1) Local Engineer Firm (intake design and site selection) | | 0 | |
| Total WSEF Expenses | \$ 6,100 | \$ 70,500 | \$ 76,600 |