

TO: Board Members

THROUGH: Jeff Walker, Executive Administrator
John T. Dupnik, P.G., Deputy Executive Administrator Water Science & Conservation
Todd Chenoweth, General Counsel

FROM: Josh Sendejar, Municipal Conservation
John Sutton, Manager, Municipal Conservation

DATE: December 5, 2019

SUBJECT: Appointment to the Water Conservation Advisory Council

ACTION REQUESTED

Consider appointing a member to the Water Conservation Advisory Council representing Electric Generation.

BACKGROUND

The Texas Legislature created the Water Conservation Advisory Council (council) in 2007 to provide the Governor, Lieutenant Governor, Speaker of the House, Texas Legislature, Texas Water Development Board (TWDB), Texas Commission on Environmental Quality, political subdivisions, and the public with the resource of a select council with expertise in water conservation. The council is composed of volunteers representing 23 different interest groups. Texas Water Code, Chapter 10, directs the Board to appoint members of the council to staggered, six-year terms ending in odd years.

KEY ISSUES

The current member representing Electric Generation has submitted his resignation for the position. Staff solicited nominations through correspondence to appropriate stakeholders and notice on the council’s website. The nomination period ended on October 31, 2019, and two nominations were received for a single individual.

RECOMMENDATION

Based on his individual commitment to and expertise in water conservation, the Executive Administrator recommends Greg Carter be nominated to the council to serve as the representative for Electric Generation for the remainder of the term ending August 31, 2021.

Attachment: Letters of nomination

**Attachment:
Letters of nomination**



Gary L. Spicer
Director,
Environmental Services
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Via Email

September 13, 2019

Texas Water Development Board
P.O. Box 13231
1700 North Congress Avenue
Austin, Texas 78711

Attn. Josh Sendejar

Dear Ms. Guz & Colleagues,

Please accept this letter as my formal resignation as the Electric Generation representative for the Water Conservation Advisory Council of Texas. Recent changes in job responsibilities have made it difficult to participate fully and I feel that I am no longer able to meet my obligations as a member.

I am thankful for the opportunity to have worked on this important issue for our state, and very proud to have been a member of this dedicated group. It has been an honor and a joy. This resignation will be effective on the date that a replacement has been approved.

I would like to recommend my alternate, Mr. Greg Carter, for this position. He has served on the Council before as the Electric Generation representative and he is very knowledgeable of the Electric Generation industry in the state.

My thanks to everyone on the Council for their service and for their friendship, and I wish each of you the best going forward. Please let me know if I can ever be of assistance.

Sincerely,

A handwritten signature in black ink, appearing to read "G. L. Spicer", is written over a circular stamp. The stamp contains the printed name "Gary L. Spicer" in a black, sans-serif font.

Gary L. Spicer



An AEP Company

Gary J. Gibbs, P.E.
Manager of Government
& Environmental Affairs
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October 7, 2019

Texas Water Development Board
PO Box 13231
1700 North Congress Avenue
Austin, Texas 78711

Attention: Josh Sendejar
Water Conservation Advisory Council

Re: Electric Generation Interest Group

Dear Mr. Sendejar:

I am submitting this letter to nominate Greg Carter to fill the electric generation interest group position. Greg has extensive experience in water resources, including water conservation from his many years of managing that discipline for American Electric Power Company (AEP.) Greg was a member of the Water Conservation Advisory Group when it was originally formed in 2007. He also served on the Water Conservation Implementation Task Force that predated the Council. Greg assisted with the development of best management practices for power plants as a member of the Task Force. He also developed water conservation plans for all of AEP's power plants in Texas when those plans were first required in 1999.

In addition, Greg has served on either the Region N or D Water Planning groups for the past 20 years and currently serves on the Sabine-Neches Environmental Flows Stakeholder Group. He helped develop state-wide projections for steam-electric water use in 2003.

I am attaching a copy of Greg's resume to support his nomination. Please contact me at 512-391-2969, if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary J. Gibbs". The signature is fluid and cursive.

Gary J. Gibbs, P.E.

Attachment

W. GREG CARTER

Business
Pirkey Power Plant
2400 FM 3251
Hallsville, TX 75650

Phone - 903-927-5896
Cell: 903-746-4585
e-mail wgcarter@aep.com

Home
212 Ithaca
Longview, Texas 75604
903-291-8853

Summary

Thirty-five years of experience in management and engineering positions at American Electric Power (AEP) power plants with an emphasis over the past twenty-five years on water related activities.

Experience

Principle Engineer SWEPCO Regional Engineering 2004 to present

Provided project management and engineering support in Texas, Arkansas, and Louisiana for AEP-SWEPCO and other power stations on projects involving boiler chemical cleans, water rights, water supply alternatives, dams, environmental compliance, and water chemistry issues.

- Coordinated SWEPCO dam and ash pond inspections and technical studies, wrote and updated dam emergency action plans, and developed work scopes for performing dam maintenance activities.
- Assisted with negotiations for new and existing water contracts at SWEPCO plants and coordinated maintenance activities for SWEPCO water supply intakes and makeup piping.
- Developed water supply alternatives for new and existing power plants.
- Addressed drought issues for SWEPCO plants in 2011 and for Oklaunion from 2011 to 2015, including developing a model for each affected plant to project the remaining water supply.
- Provided technical support for Coal Combustion Residuals and Effluent Limit Guideline compliance at SWEPCO coal plants.
- Provided technical support for several EPRI water sustainability projects.
- Coordinated Civil and Geotechnical related activities between Regional Engineering and Columbus Engineering.
- Installed a reverse osmosis system and ultrafilter and a new demineralized water storage tank at several power plants.
- Directed the installation of a membrane based sewer plant at Welsh plant.
- Provided technical support for handling ash material at on-site landfills and ponds.
- Directed the cap and covering of landfill side slopes at one plant.
- Provided technical support for boiler chemical cleans at SWEPCO and Oklaunion plants, including the development of frac tank expectations for containing the cleaning solutions.
- Installed new bleach feed systems at multiple power plants.
- Addressed water balance issues for the Turk Coal Yard runoff pond and developed the conceptual design for the installation of two water storage tanks.
- Enlarged a plant Makeup Water Pond to address flooding issues in 2015 related to the river intake water quality.
- Addressed property issues at SWEPCO power plants.
- Directed the replacement and repair of failed railroad and pond embankments at Turk.
- Designed stormwater controls at one plant for the plant and coal pile.
- Developed a model to project remaining evaporation pond capacity during the 2011-2015 drought at Oklaunion to assist management with operational decisions.

Resume for W. Greg Carter

Senior Engineer

CPL Regional Engineering

1994 – 2004

Provided project management and engineering support in the Region 5 area for AEP-CPL and Central and South West (CSW) power stations on projects involving boiler chemical cleans, water rights, water supply alternatives, retired plant decommissioning, and plant efficiency improvements.

- Modeled the Flint Creek reservoir to determine supplemental makeup water demand.
- Provided technical support for the divestiture of AEP-CPL power plants focusing on water rights, land management, decommissioning costs, and environmental remediation issues.
- Participated with other electric generating utilities in estimating future steam electric generation water demand for through the year 2060 for the Texas Water Development Board regional water planning purposes.
- Coordinated AEP activities relating to the Senate Bill 1 (SB1 – 1997) Regional Water Planning Groups and proposed future steam electric water needs for AEP-area planning groups.
- Represented AEP before state regulatory agencies and supplied comments on proposed legislation to company lobbyists regarding water-related issues.
- Developed and economically evaluated new water supply alternatives for four AEP-CPL power stations.
- Conducted water contract negotiations for five AEP-CPL power stations.
- Wrote Water Conservation Plans for 20 AEP power stations in Texas.
- Provided expert witness testimony for depositions regarding CPL power plant asbestos lawsuits.
- Performed project management and wrote project specifications for the decommissioning and demolition of eight retired CSW units with a project cost of \$5,400,000.
- Developed specifications and coordinated the drilling of water wells at five AEP-CPL power stations to provide water supply alternatives and to reduce surface water usage.
- Directed the rehabilitation of the river intake structure and equipment at one plant.
- Designed and supervised the installation of a package sewage plant at one power plant and installed a new sewer line and lift station at another plant.
- Provided engineering and operational support for boiler chemical cleans at multiple plants.
- Evaluated the viability of various seawater desalination proposals in South Texas.

Operations Supervisor

CPL, Victoria Power Plant

1991 - 1994

Supervised operations and laboratory personnel and provided engineering support on mechanical, instrumentation, electrical, laboratory, and operational projects at the Victoria Power Station, which was a single unit, gas fired, cooling tower cooled power plant.

- Updated plant oil Spill Prevention Control and Countermeasures plan, storm water runoff plan, and hazardous waste spill plan in accordance with regulatory requirements.
- Mathematically modeled the unit's boiler and turbine flows and thermodynamic processes.
- Directed the installation of new level indicators on all AEP-CPL plant feed water heaters after testing equipment from several vendors and tested feedwater heater efficiencies.
- Performed engineering analyses to improve overall plant efficiencies and performance, including evaluating turbine stage efficiencies and optimizing boiler excess air flows.
- Directed the installation of new cooling tower and deep well supervisory controls.

Results Engineer

CPL, Joslin Power Plant

1988 – 1991

Supervised operations and laboratory personnel and provided engineering support on mechanical, instrumentation, electrical, laboratory, and operational projects at the E.S. Joslin Power Station, which is a single unit, gas fired, salt water cooled power plant.

- Directed the coating of the Unit 1 condenser to stop galvanic corrosion of the tube sheet.
- Wrote specifications and directed contractors who performed \$400,000 in repairs to a boiler damaged by a low water incident.
- Designed the piping schematic and directed the operation of a \$590,000 superheat / reheat boiler chemical clean.

