

**OHIO RIVER VALLEY WATER SANITATION COMMISSION**

**MINUTES**

**217<sup>th</sup> Commission Meeting  
Embassy Suites Cincinnati-RiverCenter  
Covington, Kentucky  
Thursday, February 9, 2017**

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## MINUTES

**217<sup>th</sup> Commission Meeting  
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Thursday, February 9, 2017**

**Chairman Ronald Lovan, Presiding**

### Call to Order

Chairman Lovan called the 217<sup>th</sup> meeting of the Ohio River Valley Water Sanitation Commission to order at 9:00 A.M., Thursday, February 9, 2017.

Chairman Lovan invited Judy Petersen, attending her final meeting as Chairman of the Watershed Organizations Advisory Committee, to lead the Pledge of Allegiance.

### Quorum Call

Commissioner Potesta certified that a quorum was present (see Roster of Attendance, page 11).

Chairman Lovan asked Commissioners, staff and guests to introduce themselves and provide a little background on their roles outside the Commission.

### Report of the Chairman

Commission Chairman Lovan began by welcoming new Commissioners Bruno Pigott from Indiana and Alec Messina from Illinois.

Chairman Lovan then recognized the following ORSANCO staff members for service milestones:

Steve Braun – 10 years of service

Joe Gilligan – 25 years of service

Chairman Lovan commented on several anniversary dates taking place in the January-February timeframe. He called attention to the fact that the Roebling Suspension Bridge, a prototype of the Brooklyn Bridge, is 150 years old this January. Fast forward to the 1937 flood, possibly the largest catastrophe to hit the region, the Roebling Suspension Bridge was the only bridge that remained operational during this flood event.

In June 2017, the Ohio River Valley Water Sanitation Commission will celebrate its 69<sup>th</sup> anniversary. Chairman Lovan also directed attention to several pictures from January 1977 when the Ohio River was frozen from shore to shore.

Chairman Lovan commented, that in the brief period of time that we are all serving and working to protect the Ohio River, one may wonder if we are having any impact. Mr. Lovan believes we are and that Commissioners, committee members, and staff are having a positive impact during this short timeframe.

Chairman Lovan commented that his appreciation for staff has grown as he works closely with them and then asked all ORSANCO staff members present to re-introduce themselves and say a few words about their role at the Commission.

**Recognition of Service**

Commissioner Pigott presented the following resolution:

**Resolution 1-17**

**RECOGNITION OF SERVICE**

**CAROL S. COMER**

**WHEREAS:** Carol Comer has served as a Commissioner to the Ohio River Valley Water Sanitation Commission from 2015 through 2016, representing the State of Indiana, and

**WHEREAS:** Ms. Comer has provided faithful and diligent service to the Commission, and

**WHEREAS:** Ms. Comer actively worked to help advance the Commission's goals, and

**WHEREAS:** Ms. Comer has earned the esteem and friendship of her fellow Commissioners, and

**WHEREAS:** Ms. Comer has devoted her career to protecting the precious natural resources of the State of Indiana,

**NOW THEREFORE BE IT RESOLVED:** The Commissioners of the Ohio River Valley Water Sanitation Commission express their heartfelt gratitude for Carol Comer's service and wish her all the best in her future endeavors.

**ACTION:** Motion by Commissioner Pigott, second by Commissioner Harrison, Jr. and unanimously carried, to adopt Resolution 1-17 as presented.

Scott Mandirola presented the following resolution:

**Resolution 2-17**

**RECOGNITION OF SERVICE**

**RANDY C. HUFFMAN**

**WHEREAS:** Randy Huffman has served as a Commissioner to the Ohio River Valley Water Sanitation Commission from 2008 through 2016, representing the state of West Virginia, and

**WHEREAS:** Mr. Huffman has provided faithful and diligent service to the Commission, and

**WHEREAS:** Mr. Huffman actively worked to help advance the Commission's goals, and

**WHEREAS:** Mr. Huffman has earned the esteem and friendship of his fellow Commissioners, and

**WHEREAS:** Mr. Huffman has devoted his career to protecting the precious natural resources of the State of West Virginia,

**NOW THEREFORE BE IT RESOLVED:** The Commissioners of the Ohio River Valley Water Sanitation Commission express their heartfelt gratitude for Randy Huffman's service, and wish him all the best in his future endeavors.

**ACTION:** Motion by Commissioner Flannery, second by Melanie Davenport and unanimously carried, to adopt Resolution 2-17 as presented.

**Report of the Audit Committee**

Commissioner Kupke, Committee Chairman, noted that an Audit Report was provided in the meeting packet. He then introduced George Sparks, the audit director from Barnes Dennig, to provide an overview of the June 30, 2016 audit findings. Mr. Sparks reported that the audit team from Barnes Dennig met with the Audit Committee on Tuesday, February 7 to present a detailed report of the audit process and findings. He then provided an overview of the audit engagement and reported that ORSANCO's audit was "unmodified" with no deficiencies or material weaknesses found in internal controls. Mr. Sparks also noted the good level of cooperation received from staff in performing the audit.

Commissioner Kupke then proceeded with a Committee report. In the auditor's opinion, the general-purpose financial statements present fairly, in all material respects, the financial position of ORSANCO as of June 30, 2016. There were no material internal control findings or issues. In other words, it was a "clean audit."

Commissioner Kupke noted that this has been the sixth consecutive audit performed by Barnes Dennig. Over this period, the Committee believes that they have performed solid, professional services. The Committee also believes that a periodic rotation of the independent auditor can afford an added degree of financial inspection and oversight due to another set of eyes conducting the audit. Therefore, for ORSANCO's June 30, 2017 audit, it is recommended that the Committee evaluate other potential independent audit firms in conjunction with a request for proposal process.

**ACTION:** Motion by Commissioner Kupke, second by Commissioner Elmaraghy and unanimously carried, to accept the Independent Auditor's Report for the period ending June 30, 2016.

Commissioner Kupke concluded by informing the Commission that the Committee will undertake a request for proposal process to evaluate other audit firms. The Committee will make a recommendation at the June 2017 Commission meeting.

**Report of the Executive Director**

Executive Director Richard Harrison reported on several items:

The Commission plans to accept West Virginia America Water's proposal to add their new scientific instrumentation, located on the Elk River, to ORSANCO's Organics Detection System (ODS) fully at their expense. This will provide a good addition to the system in an active area of recent spills. Part of the proposal was a request for ORSANCO staff to conduct an evaluation of the monitoring systems at their Kanawha Valley Treatment Plant.

Over the recent day's meetings, the importance of source water protection was discussed. Staff will be reviewing the work recently undertaken by Greater Cincinnati Water Works (GCWW)

and Northern Kentucky Water District (NKWD) to develop a joint source water protection plan. The goal is to determine if ORSANCO can offer services to other utilities to facilitate the development of similar plans and to consider a possible holistic approach to river-wide planning.

Mr. Harrison then reported that a meeting was held with Jim Lazorchak of US EPA, several universities, and utilities, as well as ORSANCO staff, to compare notes on all the work being conducted related to HABs research on the Ohio River. Several million dollars of research is being conducted, and prior to this meeting, the partners were not necessarily communicating. Several entities have received and are pursuing additional grants to continue this work. This provides a good opportunity to continue to communicate and coordinate efforts related to the challenge of HABs on the Ohio River. He also reported that staff has submitted a STAR grant application in the amount of \$700,000 to fund further HABs research.

Mr. Harrison reminded Commissioners that in December 2016, he sent a Supplemental Environmental Projects Designation Letter to all state Directors for consideration of ORSANCO to receive such funds. The letter highlighted the need to fund the ODS equipment replacement. A companion communication will soon go out to state directors on the drinking water side. Both communications will go out annually.

He concluded by recognizing Judy Petersen for her good work with the Watershed Organizations Advisory Committee, and also recognized staff for their good work on a number of new initiatives and the positive outcomes of the recently completed ODS renovation grant.

### **Action on Minutes**

**ACTION:** Motion by Commissioner Duritsa, second by Scott Mandirola and unanimously carried, that the minutes of the 216<sup>th</sup> meeting of the Commission, be adopted as presented.

### **Report of the Treasurer**

Commissioner Potesta noted that a Treasurer's Report as of December 31, 2016 was provided in the agenda packet.

The report indicates a balance of \$591,571 in accounts receivable due the Commission as of December 31, 2016. The balance represents \$228,350 due from Signatory States, \$347,124 due from federal sources, and \$16,097 due from other sources.

Additionally, the report indicates receipts of \$2,281,363 plus carryover of \$2,236,380 totaling \$4,517,743 through the end of December 2016. Of that amount, \$1,709,659 was expended on programs, leaving \$2,808,084 available for the continuation of ORSANCO's programs.

### **Report of the Technical Committee**

Commissioner Wilson, Committee Chairman, reported that the Technical Committee met on February 7-8, 2017. Six states, three federal agencies, and four advisory committees were represented.

Commissioner Wilson began his report by thanking Ron Schwartz of Pennsylvania DEP for his thirteen years of highly valuable service to the Technical Committee, and also for serving as a proxy to the Commission.

A summary of outcomes follows:

### Overview of ORSANCO's Technical Programs

Staff presented an overview of ORSANCO's technical programs to support development of recommendations for program planning purposes for the FY18 program. Recommendations resulting from the meeting were summarized at the end of the meeting and agreed upon by the committee. These recommendations will be forwarded to the Program and Finance Committee for FY18 program planning purposes.

### Mine Pools in the Upper Ohio Basin

Three outside speakers talked about water quality issues surrounding mine pools in the upper Ohio River Basin, including southwest Pennsylvania and the Northern panhandle of West Virginia.

Dr. Frank Borsuk with US EPA Region 3 discussed reactivation of the Eastern Mine Drainage Federal Consortium. The role of this federal consortium is to facilitate coordinated responses among Federal Agencies to mine drainage issues in the Eastern United States, and more specifically, regarding mine drainage in the upper Ohio River Basin. ORSANCO has been included in the consortium.

Dr. Joe Donovan, with the Water Research Institute at West Virginia University, discussed the extent of underground mine flooding in the region. This region includes the Pittsburgh coal seam which has extensive active and abandoned mines. These mines fill with water over time, which ultimately results in controlled or uncontrolled discharges to surface waters containing various constituents. These mine pools have been mapped, and a set of wells have been installed to monitor the extent of mine pool flooding. It is estimated that approximately 28% of discharges from these mines are currently receiving treatment.

Dr. Paul Ziemkiewicz, Director of the Water Research Institute at West Virginia University, discussed the water quality impacts resulting from the mine pool discharges. The Water Research Institute operates a monitoring program called Three Rivers Quest, referring to the Allegheny, Monongahela, and Ohio Rivers. They monitor for various metals and total dissolved solids ions associated with mine drainage. The good news is that for the mine-related constituents monitored on the three large rivers, there does not appear to be any significant increasing trends at this time as well as no impairments.

### Biological Water Quality Subcommittee Report

Staff provided a report of the Biological Water Quality Subcommittee which met at ORSANCO headquarters earlier this year. The subcommittee endorsed results of fish surveys for the three biological pools surveyed in 2016, including Willow Island, Greenup, and Cannelton pools. All three pools scored "good" or "very good" based on fish data; however, macroinvertebrate results are not yet available.

Staff reported on a small study investigating microplastics in Ohio River fish being conducted gratis by Professor Hollien at Loyola University of Chicago. Staff has collected a number of fish gut samples and expects to receive results in the next six months. Staff also reported on the large fish contaminants study being conducted by ORSANCO on behalf of the WVDEP through a 604b grant. That study will be completed this spring.

The Subcommittee is also recommending three pools, New Cumberland, Meldahl, and Newburgh, for 2017 biological surveys. In addition, still under consideration are six special projects for the 2017 biological field season. Finally, staff reported on a special study on submerged aquatic vegetation, which has been identified as having an effect on biological survey

results. These results should be accounted for in future surveys conducted in areas affected by hydrilla.

### Bacteria Trends

Staff gave an interim report on an analysis of trends for Ohio River bacteria levels. While results may be inconclusive as to whether bacteria conditions in the Ohio River are improving, it certainly does not appear that conditions are degrading. Additional work is underway, and a draft report will be forthcoming at the June 2017 meeting.

### Report of the Monitoring Strategy Subcommittee

Staff reported on an effort to update its monitoring strategy document. The exercise will be used to obtain valuable input from the states and federal agencies on the value and possible revisions to ORSANCO's monitoring efforts to better serve its members. In the strategy, staff plans to include a project to compile a GIS database of all routine monitoring programs in the Ohio River Basin.

### Ohio River CSO and Stormwater Abatement Reports

Staff reported on the status of CSO and stormwater abatement activities on the Ohio River. In general, Ohio River communities are complying with the applicable requirements.

### Greater Cincinnati Water Works/Northern Kentucky Water District Joint Source Water Protection Program

Amy Kramer, of the Northern Kentucky Water District, and Richard Stuck, of the Greater Cincinnati Water Works, gave a presentation on their joint source water protection program. Because the two intakes are only a few hundred feet apart on the Ohio River, even though the utilities are in different states, it makes great sense that they prepare source water protection plans common to both utilities. The objectives of the plan are to ensure a safe and reliable water supply for almost one and a half million people in the region. Major components of the plan include a contaminants source inventory, protection strategies and contingency planning, outreach and education, monitoring and notification, and a program to recognize voluntary participation by industries. It is anticipated that the plan will be submitted to Ohio and Kentucky in the near future.

Staff then presented the status of current source water protection activities on the Ohio River. Source water assessment plans to complete contaminant source inventories and conduct contaminant susceptibilities analyses were required under the 1996 amendments to the Safe Drinking Water Act and have been completed by all Ohio River water utilities. Since then, a number of Ohio River water utilities have developed voluntary (with the exception of West Virginia which are regulated) Source Water Protection Plans which expand on the assessments to include contingency planning, monitoring, risk reduction scenarios, and public outreach. There have been a few joint plans developed as in the Cincinnati area; however, ORSANO will be considering its future rule in this area to facilitate and coordinate the development of more of these joint plans.

Staff then provided an update on the Organics Detection System (ODS) as well as the occurrence of Ohio River spills. The ODS renovation grant has been closed out, which allowed for ORSANCO to secure three years of paid maintenance agreements for the system. Over the period from September to December 2016, the system operated at 87% of capacity, with over 6,000 samples analyzed during that time. Regarding spills, there were 590 spill reports received in 2016, over two hundred of which were deemed to potentially affect water quality, and of which the most common involved petroleum-based substances.

### **Report of the Program & Finance Committee**

Commissioner Bruny, Committee Chairman, reported that the Committee held an interim meeting on Tuesday to discuss several topics in preparation for the Committee's April 4, 2017 meeting.

Staff presented a recap of the outcomes of the Committee's October 2016 interim meeting. Highlights included a discussion of the five-year financial forecast with associated possible reductions, potential funding opportunities, and the use of unencumbered funds and restricted reserve funding levels. The Committee endorsed the use of unencumbered funds to support the FY18 budget.

Staff presented a brief overview of ORSANCO's current financial position. The June 30, 2016 audit has been completed, indicating that the fiscal year ended under budget. The current FY17 budget, through December, is trending well within budget.

Executive Director Harrison provided an update on potential funding opportunities with state partners. Some preliminary discussions regarding 604b and SEP funding have taken place. Staff also proposed an expansion of work activity under the National Rivers and Streams Assessment funding. The Committee endorses staff's proposal to expand this work activity, which benefits partner states, while also providing some financial benefit to ORSANCO. The Committee also endorses staff's proposal to assess some sites within partner states that are located just outside the Basin boundaries.

The Committee discussed reserve account balances and considered establishing an ODS equipment replacement fund. Staff will work with the Committee on a recommendation for consideration in April.

The Committee also endorsed a proposal from West Virginia American Water to procure an Organics Detection System and pay all associated costs to add the system to ORSANCO's network.

The meeting concluded with Committee members providing input on additional topics for the April 4, 2017 meeting. These topics included pension funding, ORBA's role, reserve accounts, and direction for strategic planning.

### **Report of the Research Committee**

Commissioner Duritsa, Committee Chairman, directed attention to Agenda Item 8 in the meeting packet. He noted the unusual nature of taking action to dissolve a standing committee.

Commissioner Duritsa reported that the Committee briefed the Commission in October 2016 regarding a recommendation to dissolve the Research Committee and authorize staff to draft all documents and Bylaws changes required for this action. It is also important to note that a companion action authorizing the formation of scientific workgroups on an as needed basis at the discretion of the Executive Director is part of this action. These workgroups will be temporal in nature, with fluid membership depending on the workgroup's charge. Scientific workgroups are not a new concept, as these have been utilized in the past.

Commissioner Duritsa presented the following action:

**ACTION:** Motion by Commissioner Duritsa, second by Commissioner Frevert and unanimously carried, to adopt Resolution 3-17 (Attachment 1) which dissolves



the Research Committee and authorizes the formation of scientific workgroups as needed.

### **Report of the Water Users Advisory Committee**

Bruce Whitteberry, Committee Chairman, reported that the Committee met on January 18-19, 2017 in Bellevue, Kentucky. He was pleased to report that conditions on the river have been quiet recently, from a drinking water perspective, with no major spills or algae issues.

Mr. Whitteberry thanked Erich Emery, of the US Army Corps of Engineers, for coordinating presentations on the history and operation of navigation and flood control dams.

A presentation was provided regarding the joint effort of Greater Cincinnati Water Works and the Northern Kentucky Water District to develop a source water protection plan. The Committee is interested in working with ORSANCO on finding ways to enhance their source water protection efforts.

Staff provided updates on biological monitoring activities, the mercury study, and the Organics Detection System.

Mr. Whitteberry concluded by noting that Greater Cincinnati Water Works celebrates its 200<sup>th</sup> anniversary on March 31, 2017.

### **Report of the Public Information Advisory Committee**

Betsy Mallison, Committee Chairman, reported that the Committee met on February 7, 2017 to review and discuss several public information activities. Commissioners Lovan, Duritsa, and Conroe joined the meeting.

The Committee discussed the “State of the Ohio River” print publication. The publication is being updated by staff to reflect current content. The Committee suggested that this document be used as resource tool for reporters and others. The Committee further suggested that this type of updated document could be best utilized as an online resource and not a print publication.

The Committee also suggested consideration of a “Friends of the Aquarium” program to seek funds and sponsorships to support continuation of this valuable outreach program. This funding program would include a multi-faceted communications campaign, including ways for the public to become involved and supportive.

Staff reported that numerous historical publications were scanned to the website for public access. The Committee recommends two outreach approaches for both libraries and universities who might value access to such historical documents. The Committee also suggested that staff produce short summaries of each publication to entice others to read the publications and visit the website more regularly.

The Committee also recommended that staff consider optimizing its website search engine to move ORSANCO higher up in the hierarchy when searching for Ohio River information.

The Committee also discussed the use of a drone for public information activities. While the Committee endorses such use, it noted some of the challenges of licensing and approved uses of such devices. Staff will continue to investigate how drone videos and pictures can be used on the website. The Committee suggested ORSANCO pursue the licensing needed to use the drone coverage.

Commissioner Conroe noted that ORSANCO currently owns a drone, and public information is only looking for ways to fully utilize its capabilities.

The Committee also thanked the communications staff for the work they do to promote ORSANCO.

### **Report of the Watershed Organizations Advisory Committee (WOAC)**

Judy Petersen, Committee Chairman, reported that the Committee has strong concern over the proliferation of oil and gas infrastructure being developed both under and adjacent to the Ohio River and associated risks to water quality. There is also concern over the proposed ethane cracker plants in Ohio and Pennsylvania. A key concern is to collectively discuss recent improvements to Ohio River water quality. However, these are new emerging threats to the river, and the Committee urges ORSANCO and state agencies take a real lead in making sure we continue to see progress in Ohio River water quality. One material of concern, benzene, is a major threat related to oil and gas activities. ORSANCO staff will speak to the Committee regarding the role of ODS capabilities in the detection of benzene.

The Water Users Advisory Committee (WUAC) also offered to meet with the Committee to discuss areas of common concern. Ms. Petersen noted the importance of the WOAC's seat at the table to continue working directly with the Commission on these important issues. She again reported that this would be her final meeting as Committee Chairman and that Rich Cogen will take over as Chair on July 1, 2017.

### **Report of the Foundation for Ohio River Education**

Heather Mayfield, Executive Director, presented an update on the Foundation's history, current programs, and financial position. Although the Foundation is a separate 501(c)(3), it was established to fund and conduct environmental education programs on ORSANCO's behalf.

Ms. Mayfield provided an overview of the numerous educational programs conducted as well as current collaborative activities to develop tools for monitoring water quality and harmful algal blooms.

Ms. Mayfield also highlighted recent grant and funding opportunities, in particular a \$100K award from Duke Energy as part of a spill settlement.

### **Upcoming Meetings**

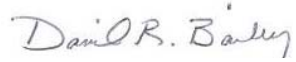
Chairman Lovan noted the following schedule for upcoming Commission meetings:

- June 6-8, 2017                      French Lick, Indiana
- October 3-5, 2017                Columbus, Ohio (Tentative)

**Adjournment**

The 217<sup>th</sup> meeting of the Commission at was adjourned at 10:45 A.M.

Prepared by:



Date: February 10, 2017

\_\_\_\_\_  
David Bailey  
Director of Administration

Approved by:



Date: February 15, 2017

\_\_\_\_\_  
Ronald Potesta  
Secretary/Treasurer

**ROSTER OF ATTENDANCE**  
**217<sup>th</sup> Commission Meeting**  
**February 9, 2017**

**Commissioners**

Illinois	Toby Frevert Alec Messina
Indiana	Bruno Pigott John Kupke Joseph Harrison, Jr.
Kentucky	Ron Lovan Peter Goodmann (PROXY for Lt. Governor Hampton)
New York	Douglas Conroe Mike Wilson
Ohio	Craig Butler Stuart Bruny
Pennsylvania	Charles Duritsa Kelly Heffner (PROXY for Acting Secretary Patrick McDonnell)
Virginia	Melanie Davenport (PROXY for Director David Paylor)
West Virginia	David Flannery Ron Potesta Scott Mandirola (PROXY for Secretary Austin Caperton)
Federal	George Elmaraghy
Legal Counsel	Ross Wales

**Executive Director**

Richard Harrison

**Guests**

Betsy Mallison – PIACO; Bruce Whitteberry – WUAC; Erich Emery – USACE;  
Judy Petersen – KWA/WOAC; Tiffani Kavalec – Ohio EPA; Jim Lazorchak –  
US EPA; Adam Rissien – Ohio Environmental Council; George Sparks –  
Barnes Dennig

**Staff**

David Bailey, Jason Heath, Sam Dinkins, Jeff Thomas, Joe Gilligan, Lisa  
Cochran, Tracey Edmonds, Lila Ziolkowski, Travis Luncan, Steve Braun,  
Heather Mayfield, Rob Tewes, Ryan Argo, Eben Hobbins

**RESOLUTION 3-17**

**MOTION TO (i) AMEND THE BYLAWS TO DISSOLVE THE RESEARCH COMMITTEE AND (ii) TO AUTHORIZE THE ESTABLISHMENT OF A NEW SCIENTIFIC WORK GROUP ON AN AS NEEDED BASIS**

**WHEREAS:** ORSANCO's Research Committee has reviewed the Committee's functions, including ORSANCO's Bylaws relating to the Committee and its purpose; and

**WHEREAS:** Input was received from Commissioners at the February 11, 2016 Commission meeting regarding the status of the Committee, and staff liaison Jeff Thomas reached out to the Committee's scientific members for individual feedback; and

**WHEREAS:** Committee members concluded at a meeting on August 3, 2016, that the Research Committee is redundant to the activities of other committees, which are vetting their research needs through other committees or means;

**WHEREAS:** The Commission at its October 6, 2016, meeting authorized that appropriate resolutions be drafted to amend the ORSANCO Bylaws to dissolve the Committee and to simultaneously authorize the establishment of a scientific working group on an as needed basis as provided in the last sentence of Section XII, A of the Bylaws;

**IT IS THEREFORE HEREBY MOVED THAT THE COMMISSION BYLAWS BE AMENDED AS FOLLOWS:**

- That **Article XII, A** is hereby amended to delete reference to the Research Committee, as shown:

A. Standing committees, with duties and functions as hereinafter set forth, shall be: Executive Committee, Audit Committee, Nominating Committee, Program and Finance Committee, Pension Trust Committee, Personnel Committee, Pollution Control Standards Committee, ~~Research Committee~~, Technical Committee, Congressional Liaison Committee, and Water Resources Committee. Except as hereinafter specified, all members of standing committees shall be duly appointed Commissioners or their proxies, pursuant to the legislative authorizations of the respective signatory states. Subcommittees or work groups may be formed by Standing Committees to carry out specific functions with the approval of a majority of the Commissioners.

And,

- That **Article XII, A, 8**, relating to the Research Committee, shall be deleted in its entirety, and subsequent Subsections of **Article XII, A** shall be renumbered accordingly.

**AND FURTHER IT IS MOVED THAT:**

The Executive Director is hereby authorized to establish a Scientific Work Group on an as needed basis that shall be comprised of individual scientists with expertise in areas where the Commission, its Committees, the Executive Director or staff need better information to make better decisions. Except as set forth in the following sentence, members of the Work Group shall serve on a voluntary and as needed basis and shall work directly with the appropriate Committee or staff members, under the coordination and direction of the Executive Director. Committee members may be paid for their research.