

Bill Bradbury
Chair
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W. Bill Booth
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James A. Yost
Idaho



Bruce A. Measure
Vice-Chair
Montana

Pat Smith
Montana

Tom Karier
Washington

Phil Rockefeller
Washington

February 6, 2013

MEMORANDUM

TO: Power Committee

FROM: Gillian Charles, Energy Policy Analyst
Tom Eckman, Manager, Conservation Resources

SUBJECT: Update on Council's Advisory Committees for the Power Plan

When developing the power plan, the Council relies heavily on its advisory committees for vetting assumptions, reviewing analyses and interpreting results, developing action plan items, and recommendations and perspectives from regional stakeholders.

The Council currently has five chartered advisory committees that it utilizes during the development of a power plan.

- Conservation Resources Advisory Committee (CRAC)
- Demand Forecasting Advisory Committee (DFAC)
- Generating Resources Advisory Committee (GRAC)
- Natural Gas Advisory Committee (NGAC)
- System Analysis Advisory Committee (SAAC)

At the February Power Committee meeting, staff will review how the Council's advisory committees are formed and the guidelines they must adhere to, membership selection, purpose and role, and current status.

Attachments:

Presentation
Lists of advisory committee memberships

Presentation for Power Committee

Update on Power Plan Advisory Committees

Tom Eckman and Gillian Charles

February 12, 2013



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Requirements for Power Plan Advisory Committees

The Northwest Power Act requires the Council:

- § Establish an advisory committee to assist in the development of the power plan**
- § Ensure membership includes representatives of the Federal and various regional, State, local, and Indian Tribal Governments, consumer groups, and customers**
- § Ensure widespread public involvement**



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Requirements for Power Plan Advisory Committees

The Northwest Power Act makes the Federal Advisory Committee Act (FACA) applicable to the Council

§ FACA enacted in 1972 to ensure advice by advisory committees is objective and accessible to the public

§ Council applies FACA to technical advisory committees in terms of ensuring:

- Meetings are public
- Committee operations are transparent
- Charters contain necessary items required under FACA
- Committee membership is “fairly balanced” in terms of the points represented and the functions the committee is to perform



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Formation and Operation of Power Plan Advisory Committees

§ Committees chartered for two years

§ Committees report to the Executive Director

§ Council staff usually chair & vice chair, though not required

§ Members selected based on their technical expertise and experience.

- Council solicits nominations for membership from regional stakeholders
- Final appointments made by the Executive Director



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Formation and Operation of Power Plan Advisory Committees

- § **All meetings are open to the public**
 - All notices, agendas, materials, minutes, membership lists, etc. are posted on each committee's webpage
- § **Committees serve in *advisory* capacity only**
 - No votes are taken
 - Role is to review information, vet assumptions and information and make recommendations to the Council.



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Role of Council Members and Staff

- § **Council members are encouraged to participate in advisory committee meetings**
- § **Staff**
 - § Prepare agenda and materials for the meetings
 - § Facilitate meetings
 - § Certify meeting minutes (required by FACA)
 - § Report to the Executive Director and Council Members on progress and recommendations



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Existing Power Plan Advisory Committees

- § Conservation Resources Advisory Committee (CRAC)
- § Demand Forecasting Advisory Committee (DFAC)
- § Generating Resources Advisory Committee (GRAC)
- § Natural Gas Advisory Committee (NGAC)
- § System Analysis Advisory Committee (SAAC)



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Other Council Forums, Task Forces, etc.

- § **Chartered by Council**
 - Regional Technical Forum (RTF)
 - RTF Policy Advisory Committee (RTF PAC)
- § **Not Chartered by Council (Ad Hoc)**
 - Pacific NW Demand Response Project (PNDRP)
 - Resource Adequacy Forum – Steering and Technical Committees
 - Wind Integration Forum (WIF) - Steering and Technical Committees
 - § Oversupply Technical Oversight Committee (OTOC)



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Conservation Resources Advisory Committee (CRAC)

- § **Chair: Tom Eckman**
- § **Vice-Chair: Charlie Grist**
- § **Charter Approved: Effective April 11, 2012 - April 11, 2014**
- § **Last Meeting: November 19, 2012**
- § **Upcoming Meetings: TBD (Q2 2013)**



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CRAC: Objectives & Scope

- § **Assist the Council:**
 - **Assess conservation resources**
 - § Performance
 - § Cost and availability
 - § Development trends
 - **Identify barriers to development of conservation and develop policies and actions to resolve them**
 - **Provide feedback for improving effectiveness of conservation activities in the region**



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Demand Forecasting Advisory Committee (DFAC)

- § **Chair: Massoud Jourabchi**
- § **Vice-Chair: Ken Corum**
- § **Charter Approved: Effective April 11, 2012 - April 11, 2014**
- § **Last Meeting: October 2012, via email**
- § **Upcoming Meetings: TBD (Q2 2013)**



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DFAC: Objectives & Scope

- § **Assist the Council:**
 - Review and interpret demand forecast results
 - Identify significant changes in electricity markets and their implications for future electricity demand and price
 - Evaluate analytical tools and assumptions
 - Identify sources of information and data about electricity demand and its determinants



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Generating Resources Advisory Committee (GRAC)

- § **Chair: Steve Simmons**
- § **Vice-Chair: Gillian Charles**
- § **Charter Approved: Effective April 11, 2012 - April 11, 2014**
- § **Last Meeting: May 2009 (Sixth Power Plan)**
- § **Upcoming Meetings: March 2013 (date TBD)**



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GRAC: Objectives & Scope

- § **Assist the Council:**
 - Assess generating resources and technology alternatives
 - Gather and validate information on the following:
 - § Technical specifications
 - § Cost
 - § Environmental impacts
 - Review and interpret analyses concerning generating resources and technology alternatives considered for the development of the power plan



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Natural Gas Advisory Committee (NGAC)

- § **Chair: Massoud Jourabchi**
- § **Vice-Chair: Steve Simmons**
- § **Charter Approved: Effective May 11, 2011 - May 11, 2013**
- § **Last Meeting: June 2011**
- § **Upcoming Meetings: End of Q2 2013 (TBD)**



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NGAC: Objectives & Scope

- § **Assist the Council:**
 - Review and interpret natural gas forecast results
 - Identify significant changes in natural gas markets and implications for future gas supplies and prices
 - Provide advice on availability and deliverability of natural gas to power plants (assessment of resource adequacy)
 - Identify sources of information and data



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System Analysis Advisory Committee (SAAC)

- § **Chair: Michael Schilmoeller**
- § **Vice-Chair: Massoud Jourabchi**
- § **Charter Approved: Effective April 11, 2012 - April 11, 2014**
- § **Last Meeting: January 2013**
- § **Upcoming Meetings: Q2 2013 (TBD)**



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SAAC: Objectives & Scope

- § **Assist the Council:**
 - **Examine methods of the Regional Portfolio Model (RPM)**
 - **Review sources and nature of assumptions and data**
 - **Advise on interpretation of RPM results**
 - **Evaluate computer models and analytical techniques used to arrive at resource portfolio recommendations**
 - **Suggest enhancements and improved approaches**



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Members

Advisory Committees include members from:

- | | |
|---|---------------------------------|
| § Bonneville Power Administration | § Northwest Energy Coalition |
| § Public Utilities | § Renewable NW Project |
| § Investor Owned Utilities | § State departments of energy |
| § National laboratories | § State departments of commerce |
| § Consultants and independent contractors | § Independent contractors |
| § State commissions | § Energy Trust of Oregon |
| § Public Power Council | |
| § PNUCC | |

* All membership lists are posted on the committee webpages



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Use of Advisory Committees for Seventh Power Plan

- § All advisory committees have been or are being activated
- § Committees will assist and provide feedback to the Council regarding:
 - Vetting assumptions
 - Reviewing analysis and interpreting results
 - Development of action plan items



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Rhonda Whiting
Chair
Montana

Bruce A. Measure
Montana

James A. Yost
Idaho

W. Bill Booth
Idaho



Bill Bradbury
Vice-Chair
Oregon

Henry Lorenzen
Oregon

Tom Karier
Washington

Phil Rockefeller
Washington

Conservation Resources Advisory
2012 Membership
(As of 12/03/12)

Bruce Folsom, Avista
Joshua Warner, Bonneville Power Administration
Hossein Haeri, Cadmus Group
Marcus Wilcox, Cascade Engineering
Patrick Keegan, Collaborative Efficiency
Jim Lazar, Consultant
Eugene Rosolie, Cowlitz PUD
Kevin Smit, EES Consulting, Inc.
Fred Gordon, Energy Trust
Roger Spring, Evergreen Consulting
Ross Holter, Flathead Electric Co-op
John Morris, Fluid Market Strategies
Virginia Harman, Glacier Electric Coop
Ken Baker, Idaho Industrial Consultant
Theresa Drake, Idaho Power Company
Stacy Donohue, Idaho PUC
Ken Eklund, Washington State University Energy Extension
Kathy Hadley, National Center for Appropriate Technology
Karen Horkitz, NEEA
Stan Price, NEEC
Dave Hewitt, New Buildings Institute
Geoff Carr, Northwest Requirements Utilities
Bill Thomas, Northwestern Energy
Ralph Cavanagh, NRDC
Nancy Hirsh, NWEA
Marty Stipe, ODOE
Juliet Johnson, OR PUC
Lisa Schwartz, Oregon Department of Energy

Don Jones, PacifiCorp
Phil Welker, PEI
Dick Adams, PNUCC
Lauren Shapton, Portland General Electric
Bo Downen, PPC
Gurvinder Singh, Puget Sound Energy
Eli Morris, Rocky Mountain Power
Glen Atwood, Seattle City Light
Jim West, Snohomish PUD
Nicolas Garcia, Tacoma Power
Bud Tracy, Unaffiliated
Ken Canon, Unaffiliated
Chuck Murray, Washington Department of Commerce
Dave Warren, WA PUD
Deborah Reynolds, WUTC

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W. Bill Booth
Idaho

James A. Yost
Idaho



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Vice-Chair
Montana

Pat Smith
Montana

Tom Karier
Washington

Phil Rockefeller
Washington

Demand Forecast Advisory Committee (DFAC)

Grant Forsyth, Avista
Glen Booth, Bonneville Power Administration
Sarah Burczak, Bonneville Power Administration
Pat McGary, Clark County PUD
Gary Huhta, Cowlitz PUD
Sibyl Geiselman, EWEB
Keith Knitter, Grant County PUD
Mike Ferguson, Idaho - State Economist
Bar Smith, Idaho Power
Cathleen McHugh, Idaho PUC
Rick Sterling, Idaho PUC
Jim Sylvester, Montana - State Economist
TBD, Northwest Natural Gas
Todd Guldseth, NorthWestern Energy
Tom Potiowsky, Northwest Economic Research Center
Ken Corum, NW Power and Conservation Council
Massoud Jourabchi, NW Power and Conservation Council
Vijay Satyal, Oregon DOE
Mark McMullen, Oregon - State Economist
Kelcey Brown, PacifiCorp
Greg Mendonca, PNGC Power
Ham Nguyen, Portland General Electric
Geetanjali Gamel, Puget Sound Energy
Bud Tracy, Retired Coop Manager
TBD, Seattle City Light
Tom Payant, Snohomish PUD
Bill Dickens, Tacoma Power
Tom Powers, University of Montana
Bret Bertolin, Washington - State Economist
Dave Gomez, Washington UTC
Vanda Novak, Washington UTC

Deborah Reynolds, Washington UTC

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James A. Yost
Idaho



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Vice-Chair
Montana

Pat Smith
Montana

Tom Karier
Washington

Phil Rockefeller
Washington

Generating Resources Advisory Committee (GRAC)
2013 Membership
(as of 2/5/2013)

James Gall, Avista
Chris Johnson, Benton PUD
Ehud Abadi, Bonneville Power Administration
Rob Petty, Bonneville Power Administration
Angela Tanghetti, California Energy Commission
Dave Vidaver, California Energy Commission
Pat McGary, Clark County PUD
Thad Roth, Energy Trust of Oregon
Erin Erben, Eugene Water and Electric Board
Mark Johnson, Flathead Electric Cooperative
Keith Knitter, Grant County PUD
Mark Stokes, Idaho Power
Rick Sterling, Idaho Public Utility Commission
Fred Rettenmund, Inland Power and Light
Tom Kaiserski, Montana Department of Commerce
Fred Huette, Northwest Energy Coalition
Gillian Charles, Northwest Power and Conservation Council
Steve Simmons, Northwest Power and Conservation Council
Vijay Satyal, Oregon Department of Energy
Stefan Brown, Portland General Electric
Greg Mendonca, PNGC Power
Mike Hoffman, Pacific Northwest National Laboratory
Dick Adams, Pacific Northwest Utilities Conference Committee
Kevin O'Meara, Public Power Council
Elizabeth Hossner, Puget Sound Energy
Dave LeVee, PwrCast Inc.
Jimmy Lindsay, Renewable Northwest Project
Dave Clement, Seattle City Light
Anna Miles, Snohomish PUD

Travis Metcalfe, Tacoma Power
Greg Nothstein, Washington Department of Commerce
David Nightingale, Washington Utilities and Transportation Commission

Interested Parties:

Mike Bradshaw, Chelan PUD
Bob Essex, Cowlitz PUD
Gary Huhta, Cowlitz PUD
Galen Barbose, Lawrence Berkeley National Laboratory
Mark Bolinger, Lawrence Berkeley National Laboratory
Daniel Bedbury, Lewis County PUD
Chris Roden, Lewis County PUD
David Fine, NorthWestern Energy
Leann Bleakney, Northwest Power and Conservation Council
Shirley Lindstrom, Northwest Power and Conservation Council
Howard Schwartz, Northwest Power and Conservation Council/Washington
Department of Commerce
Hillary Dobson, Oregon Department of Energy
Phil Obenchain, PacifiCorp
Doug Brawley, PNGC Power
Dan James, PNGC Power
Nancy Baker, Public Power Council
Bo Downen, Public Power Council
Scott Amsden, Tacoma Power
Eric Russell, Washington Utilities and Transportation Commission

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Idaho



Bruce A. Measure
Vice-Chair
Montana

Pat Smith
Montana

Tom Karier
Washington

Phil Rockefeller
Washington

Natural Gas Advisory Committee (NGAC) 2011-2013 Membership

Irvine Kelly, Avista

Greg Rahn, Avista

Rob Petty, Bonneville Power Administration

Randy Roesser, CEC

Ruben Tavares, CEC

Bill Wood, CEC

Rick Harper, Consultant

Greg Nothstein, Washington Department of Commerce

Marc Vatter, Economic Insight, Inc.

Sam Van Vactor, Economic Insight, Inc.

David Hawk, Energy Analysis & Answers

Eric Hiaasen, EWEB

David Bennett, FortisBC

Ken Ross, FortisBC

Byron Defenbach, Intermountain Gas

TBD, Northwest Energy Coalition

Dan Kirschner, Northwest Gas Association

David Madsen, Northwest Pipeline

Gary Venz, Northwest/Williams Pipeline

Edward Finklea, NW Industrial Gas Users

Paula Pyron, NW Industrial Gas Users

Randy Friedman, NW Natural Gas

Massoud Jourabchi, NW Power and Conservation Council

Ken Zimmerman, Oregon PUC

Jay Jacobsen, Puget Sound Energy

Phillip Popoff, Puget Sound Energy

Clay Riding, Puget Sound Energy

Steve Kern, Seattle City Light

Linda Hamilton, Shell Trading Gas & Power

Rick Kunz, Shell Trading Gas & Power

Jairam Gopal, Southern California Edison

Greg Staple, Spectra Energy

Bill Dickens, Tacoma Power

Jay White, TransCanada

David White, TransCanada

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Phil Rockefeller
Washington

System Analysis Advisory Committee (SAAC)
2012 Membership
(As of 01/23/12)

Clint Kalich, AVISTA
Mike McCoy, Becker Capital
Marty Howard, BMH3
Ehud Abadi, BPA
Lauren Miller Gage, BPA
Robert J. Petty, BPA
Tina Ko, BPA
David Vidaver, CEC
Hossein Parandvash, City of Portland
Cathy Carruthers, City of Tacoma
Chris Robinson, City of Tacoma
Tyler Bryant, David Suzuki Foundation
Diane Broad, ECOFYS
John Scott, EPIS
Kevin Nordt, GCPUD
Mark Stokes, Idaho Power
Rick Sterling, Idaho PUC
Jim Litchfield, Litchfield Consulting
Wendy Gerlitz, NW Energy Coalition
Massoud Jourabchi, NW Power & Conservation Council
Michael Schilmoeller, NW Power & Conservation Council
Maury Galbraith, Oregon PUC
Mike Hoffman, PNNL
Dick Adams, PNUCC
John Ollis, Portland General Electric
Silvia Melchiorri, Portland General Electric
Steve Schue, Portland General Electric
Teyent Gossa, Portland General Electric

Dave LeVee, PowerCast

Phillip Popoff, PSE

Villamor B. Gamponia, PSE

Anna Miles, Snohomish PUD

Barbara Miller, USACE

Peter Brooks, USACE

Greg Nothstein, Washington State Department of Commerce

Roel V. Hammerschlag, Washington State Department of Commerce

Alan Buckley, Washington State PUC