



INDUSTRY APPLICATIONS SOCIETY

PULP & PAPER INDUSTRY COMMITTEE

MINUTES

of the

FULL COMMITTEE

INTERIM MEETING

2011 PPIC INTERIM MEETING

Sheraton Airport Hotel, Atlanta Georgia

October 17, 2011

Meeting notes recorded by Greg Drewiske minutes by John A. Kay, PPIC Secretary

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1) WELCOME AND INTRODUCTIONS – Alex Wu

The meeting was called to order at 1:05 pm

A conference call in number had been arranged. On the conference call were; Larry Thomas, Rhonda Banks, Ron Simpson, Kevin Borthwick, and John Levine.

2) REVIEW/APPROVAL OF MINUTES OF CONFERENCE MEETING – Greg Drewiske (for John Kay)

Due to a recent death in John Kay's family, Greg stood in for this and other agenda items linked to John. John had provided written reports to Greg in advance of the meeting. Several months ago, John had posted the minutes from the Nashville conference on the committee website www.pulpandpapercommittee.com, for review.

The minutes, as submitted and posted, were approved by the full committee.

3) EXECUTIVE COMMITTEE REPORT – Greg Drewiske for John Kay

- a) Six (6) members were present.
- b) Discussed Rooks Program participation and teleconference for the Interim Meeting.
- c) Other items will be reported as they show up in the agenda

4) TREASURER'S REPORT/CONFERENCE AUDITS –Greg Drewiske

Greg reported the financial status of our current, past and future conferences as follows:

2008 Conference – Richard Turner, Chairman (Rory Johnson)

- **CLOSED**

2009 Conference – Robert Adams, Chairman

- **CLOSED**

2010 Conference – Peter Baen, Chairman

- **CLOSED** and but being audited, \$7,000 Loss

2011 Conference – John Malinowski, Chairman

- **CLOSING**, Audit yet to be completed. Current profits, \$51,000

Special thanks to John and his local committee for a great conference!

5) STANDING SUBCOMMITTEE REPORTS

- a) **MEMBERSHIP – ALAN LOWE**

Our current committee membership is 104. Since the annual meeting in June we have had the following changes in membership:

Three new members:

- *Jeff Ireland*
- *David Mabi*
- *Terry Smith*

Two members have been reinstated:

- *Jubin Jackson*
- *Mike Kozlowski*

Two members have resigned:

- *Ray Crane*
- *John Holmquist*

We currently have no application pending.

At the annual meeting in June we had 54 members present, 7 with excused absences, and 40 with unexcused absences.

Seventy one members or 68% of our membership are at a member grade of Senior Member or higher.

The job sector distribution of our membership is as follows:

- 62 vendors
- 19 consultants
- 18 mill people
- 2 academic
- 3 retired

Report submitted by Alan Lowe, Membership Chairman.

b) MAILING LIST – JOHN KAY

Greg read John's report:

John used the registration list from the Nashville committee and reconciled that data to the master mailing list. He also updated the data based from the mark ups on the mailing list documents displayed at the conference.

The following was included in his report,

Total Entries after 2011 conference	2193	
Stale Entries with email add.	168	[no attendance since 2000]
Stale Entries c/w no email address	001	[Attended at least since 2000]
Entries removed this year	043	[no attendance since 1999*]
Added in 2011 to-date	034	

Total Entries after data cleansing	2182	
All Entries with Email address	1944	89.1% (prv. 88.9%)
Active* with Email address	1831	83.9% (prv. 91.4%)

*- Have attended at least one conference in the last 10 years.

Approximately 60 entries are marked for removal this coming year (no attendance for the last 10 years AND/OR no valid email address.

c) PUBLICITY – ROB BOTELER

No Report.

d) PAPER AWARDS/MAGAZINE AND TRANSACTIONS SUBMITTALS – MARK WEAVER

No Report.

e) PPIC AWARDS NOMINATION – RORY JOHNSON

Rory Johnson was not in attendance to provide his report however two names have been submitted to date; Nomination for the *Engineering Award*: Aníbal Valenzuela, Nomination for the *Service Award*: Dave Durocher.

We will leave nominations open for a couple of weeks for late nominations, even though our operating guide specifies they are to be submitted by this date.

f) FELLOWS NOMINATIONS – JOHN KAY

Greg read John's report which outlined that two of our committee members have been nominated for the 2012 Fellows class as follows:

Ron Simpson has been resubmitted for consideration through our conference.
John A. Kay has also been resubmitted for consideration through our conference.

The IEEE Fellows Review Committee does not issue their report until late November so we will not know the results until next year's conference. If any candidate were successful, he will inform the committee via email.

6) LIAISON REPORTS

a) IEEE IAS PUBLICATIONS – MARK WEAVER

No Report

b) IEEE/IAS – DAVE DUROCHER

The IEEE IAS Annual Meeting was in Orlando with about 230 attendees. Blake Lloyd is now the President Elect of the IAS.

c) TAPPI – BURT JUDSON

The drives group has struggled with limited activity. However, they are planning to present the TAPPI Drives Short Course at our conference in Portland. This course is a 1 ½ day format which will require some coordination from the local committee and our technical chair

d) IEEE – STANDARDS PROJECTS COORDINATION – JOHN MALINOWSKI

No Report

e) IEEE ELECTRICAL SAFETY WORKSHOP – LARRY THOMAS

The next electrical safety workshop committee will be held Jan 30- Feb 3 in Daytona Beach, FL

7) OPERATING SUBCOMMITTEE REPORTS

PCEMC – APPENDIX B

PDS – APPENDIX C

TSSC – APPENDIX D

DCS – APPENDIX E

FPC (Ad Hoc) – APPENDIX F

8) NASHVILLE CONFERENCE REPORT – JOHN MALINOWSKI

The Nashville conference was very successful with a tentative profit of approximately \$51,000. The audit and close out is immanent. We had 33 mill staff attend this conference.

9) FUTURE CONFERENCES – JOHN MALINOWSKI

a) JUNE 17-21, 2012– Portland, OR – Dave Durocher

- a. The room rate in Portland, at the Nines Hotel will be \$169. Committee is looking at potential room layout to have exhibits in back of main meeting area. Consensus at the meeting was to give it a try.

b) 2013 AND BEYOND

- a. **2013 Charlotte** – Darren Honaker, previous chair, is moving on to a Mining group within TMEIC and as such needs to step down. It is possible that Roly Roberge may be a possible replacement. Roly will know by Nov 1st.
- b. **2014 Appleton, WI** – need volunteer
- c. **2015 Savannah, GA** – need volunteer

10) PORTLAND CONFERENCE TECHNICAL PAPERS – ALEX XU

The paper status for the Technical Program, at the Portland conference, is as follows;

A = 13

B = 17

C = 11

D = 6

E = 9
Tutorials = 7
Panels = 3

We will need to look at number of tutorials due to the TAPPI course is 1.5 days. AN NFPA-70E update is a full 8 hours.

Paper Due Dates

- October 24 – 25 – Rough Drafts to Reviewers
- November 19 – Reviewers Return Comments to Authors
- January 14 – Final Drafts for Second Review
- February 11 – Second Reviews Returned to Authors
- March 11 – Final Manuscripts to Program Chair

12) OLD BUSINESS

a) AD HOC – SUSTAINABILITY – DAVE DUROCHER

- a. Dave continues to work on outreach. We had 33 Mill people at the Nashville conference. Domtar is planning on having another corporate meeting in Portland which we hope to leverage.
- b. There are discussions ongoing regarding potential ways to reduce costs to mill participants to make it easier for them to come.
- c. Other topics have included reducing the money sent back to IEEE to facilitate lowering the rates and/or providing free tutorials, like we'd done in the past. We may be sending excessive funds back to the IEEE unnecessarily and to the detriment of the conference. No reason to send \$51,000 to the IAS if it is detrimental to the success of the conference.

b) Ad-Hoc – PERPETUATION COUNCIL (Blake Lloyd)

No Report.

c) AD HOC COMMITTEE FOR THE JAMES A. ROOKS MEMORIAL INTERN PROGRAM– GREG DREWISKE

Only one intern was present for the 2011 Nashville Conference:

For 2012 we are budgeting for 4 internals to attend. Work needs to begin now to locate and fill these available spaces.

d) JAMES A. ROOKS MEMORIAL CONTRIBUTIONS – DAVE DUROCHER

It was reported that the foundation has over \$100,000 in the account, for this program. The plan is to fund four students for the 2012 conference.

13) NEW BUSINESS

a) CONFERENCE SURVEY RESULTS – (GREG DREWISKE)

Key items from the survey:

#1 - Primary reason for attending is Technical Content,

#2 - Networking,

#3 - Cost/tutorials.

Overall respondents are generally happy with conference. There was concerns raise surrounding mill attendance and technical program.

b) TELECONFERENCING OR WEB CONFERENCING – DAVE DUROCHER

There was much discussion around the use of teleconferencing or web based conferences for future interim meetings.

Generally it was felt that having a teleconference available would increase participation at Interim Meetings, especially for people who had problems getting time or money to travel. However, the downside could be the meeting space costs for those who are able to attend in person.

There were several suggestions and ideas of different ways to do accomplish this. Each subcommittee is to come up with a plan, for the June general committee meeting at the conference, as to how they suggest the Interim Meeting, for 2012, be handled

A motion to adjourn was at 2:05 PM.

Unanimously accepted, the meeting was adjourned.

APPENDIX A- FULL COMMITTEE CONFERENCE MEETING AGENDA

IEEE PULP & PAPER INDUSTRY COMMITTEE The Westin Atlanta Airport Hotel – Atlanta, GA October 17, 2011 1:00 PM to 3:30 PM

- | | |
|--|----------------------|
| 1 - Welcome & Introductions | Alex Wu |
| 2 - Review/Approval of Minutes of San Antonio Conference Meeting | John Kay |
| 3 - Executive Committee Report | John Kay |
| 4 - Treasurers Report/Conference Audits | Greg Drewiske |
| 5 - Standing Subcommittee Reports: | |
| a - Membership | Alan Lowe |
| b - Mailing List | John Kay |
| c – Fellows Nominations | John Kay |
| d - Paper Awards / Magazine and Transactions Submittals | Mark Weaver |
| e - Publicity | Rob Boteler |
| f - PPIC Awards Nominations | Rory Johnson |
| 6 - Liaison Reports: | |
| a - IEEE - IAS | Dave Durocher |
| b - TAPPI | Burt Judson |
| c - IEEE - Standards Projects Coordinating | John Malinowski |
| d - Electrical Safety Workshop | Larry Thomas |
| 7 - Operating Subcommittee Reports: | |
| a - PCEMC | Felix Nepveux |
| b - DCS | Michael Feldkirchner |
| c - PDS | Todd Leggette |
| d - TSSC | Rachel Bugaris |
| e - FPC (Ad Hoc) | John Kay |
| 8 - Nashville Conference Report | John Malinowski |
| 9 - Future Conferences | |
| a - 2012 Portland | Dave Durocher |
| b - 2013 Charlotte | Darren Honaker |
| c – 2014 and beyond | John Malinowski |
| 10 – Portland Conference Technical Papers | Alex Wu |
| 11 - Old Business | |
| a - Ad-Hoc - Sustainability | Dave Durocher |
| b - Ad-Hoc – Perpetuation | Blake Lloyd |
| c - Ad Hoc Committee on Student/Intern Engineers | Greg Drewiske |
| d - James A. Rooks Memorial Contributions | Dave Durocher |
| 12 - New Business | |

Adjourn Full Committee Meeting on or before 3:30 PM

APPENDIX B- PCEMC SUBCOMMITTEE

Industrial Applications Society
Pulp and Paper Industry Committee
Process Control, Engineering, Maintenance & Construction Meeting
Monday, October 17, 2011

Meeting Start: 8:00 AM

Meeting Adjourned: 10:30 PM

Recorded by: Felix Nepveux

Total Members: 15

Members Present: 6

Dave Durocher
Burton Judson JR
Roland Roberge
Allen Watson JR
Larry Menche
Felix Nepveux

Members Excused: 3

Rhonda Banks
Blake Lloyd
Robert Montgomery

Paper Reviewer for 2012: Robert Montgomery (as of the 2011/06 meeting)

Backup Paper Reviewer Blake Llyod (as of the 2011/06 meeting)

Introduction:

Introductions were made and a list of the PCEMC members was circulated for attendance and updates.

General Business:

The topics of the executive meeting were discussed.

The new chairman of PCEMC is Felix Nepveux

The next conference is in Portland, Or.

New Business:

- The list of proposed papers was reviewed and updated with changes. New paper topics were discussed. The list submitted to the General Committee included the following

A 2 (author, abstract, sponsor, first draft for review)

B 3 (author, abstract, sponsor)

C 5 (committed author, sponsor)

D 3 (identified author, sponsor)

E 6 (idea and sponsor)

Panel Discussion 2

Tutorials 2

Meritorious Award Nominees

No Meritorious Award Nominees were presented at the meeting.

Future Papers

Reference the Microsoft Excel spreadsheet that accompanies the minutes for the list of future papers.

Adjourn

The meeting was adjourned at 10:30AM

APPENDIX C- PDS SUBCOMMITTEE

**POWER DISTRIBUTION SYSTEM SUBCOMMITTEE
INTERIM MEETING MINUTES
WESTIN ATLANTA AIRPORT HOTEL, ATLANTA, GA**

Meeting Date: Monday, October 17, 2011

Meeting Start: 8:00 am **Meeting Adjourn:** 10:30 am

Recorded by: Todd Legette

Total Membership: 30 **Potential New Members:** 0

Members Present: 6

Jay Das	Chuck Mozina
Todd Legette	Ronald Simpson
John Levine	Alex Wu

Members Excused: 10

Catherine Dalton	Glenn Smith
Steven Dyrnes	Terrence Smith
Gus Henson	Marcelo Valdes
Doug Moody	Bill Vilcheck
Richard Schaefer	Craig Wester

Members Transferred: Felix Nepveux to PCEMC

Resignations: Geoffrey Clark

Meritorious Award Nominees: None

2012 Paper Grader: Rich Schaefer

Introduction

Todd Legette welcomed all present to the Atlanta PDS Subcommittee interim meeting. Each member introduced himself. A list of the current PDS members was circulated for updating and attendance. Updates have been forwarded to Alan Lowe.

Executive Meeting Summary

Significant Executive Committee Meeting topics were reviewed:

- Encourage all new attendees to submit applications to subcommittees.

- Upcoming PPIC annual meeting locations:
 - 2012 Portland, OR
 - 2013 Charlotte, NC
 - 2014 Appleton, WI (tentative)
 - 2015 Savannah, GA (tentative)
- PPIC is looking for interns to attend the 2012 Conference
- The Full Committee Meeting will be hosted via conference call. This will be an experiment.
- Service Award Nominations – None at this time
- IEEE Fellow Nominations – Ron Simpson and John Kay
- PPIC is looking for volunteers to fill the following roles of :
 - **Back-Up Computer PowerPoint Operator**
 - **Interim Meeting Coordinator**
- Annual Meeting Paper Due Dates
 - October 24 – 25 – Rough Drafts to Reviewers
 - November 19 – Reviewers Return Comments to Authors
 - January 14 – Final Drafts for Second Review
 - February 11 – Second Reviews Returned to Authors
 - March 11 – Final Manuscripts to Program Chair

Future Papers

The subcommittee engaged in a discussion regarding technical papers for Portland.

See the table on the next page

Old Business

There was no old business.

New Business

In order to increase participation in the interim meetings, the subcommittee suggested investigating hosting a webinar during the next subcommittee meeting. The Annual Meeting Papers spreadsheet would be distributed to the members in advance of the webinar to facilitate an effective meeting. One issue that would need to be resolved is the time of webinar to accommodate west coast members.

Consider reducing the cost of mill engineers to attend the annual meeting to increase their attendance.

Please contact the writer with any comments or corrections.

PDS 2012 PPIC Conference Paper Status

No.	Title	Status	Year	Author 1	Author 2	Author 3	Sponsor
2012-1	Megawatt Increase Potential in Rewinding Generators	C	2012	Bill Moore	Mark Schoff	Bob Vandenabeele	Rich Schaefer
2012-2	Practical Applications of Peer-to-Peer Messaging in Industrial Facilities	A3	2012	Craig Wester	Mark Adamiak		John Levine
2012-3	CT Saturation Effects on Coordinating Time Intervals	A3	2012	Terrance Smith	Richard Hunt		Felix Nepveux
2012-4	Case Study for Preparing an Arc Flash Study from Scratch	B-	2012	Warren Hopper	Chuck Collins		Jerry Nuernberger
2012-5	Selective High-Resistance Grounding System For a Geothermal Generating Plant - A Case Study	A0	2012	Jay Das	Elmundo Perich		Tony Locker
2012-6	Arc-Flash Hazard Analysis of Power Systems with Overduty or Series Rated Equipment	A0	2012	Marc Johnson			Marcelo Valdes
2012-7	Fully Monitoring Protection and Controls	A0	2012	Terrance Smith			John Levine
2012-8	NEC Design Compliance, System Protection and Arc Flash Hazard Ratings	A0	2012	Ron Simpson			Marcelo Valdes
2012-9	The Effect of Reactive Compensators and Coordination with Volts/Hertz Limiting	A0	2012	Rich Schaefer			Cathy Dalton
2012-10	Using Numerical Protection Relays as Asset Management Tools and Modern Test Methods	B	2012	Steve Turner			Cathy Dalton
2012-11	Choosing the Right Transfer Switch for Standby Generators	B	2012	Daniel Ransom			Rich Schaefer
2013-1	A Second Orger High Pass Damped Filter for 8000 Hp ID fan Drives - A Case Study	B	2013	Jay Das			Rich Schaefer
2013-2	Detection Methods of Voltage Phase loss, A Case Study	B	2013	Terrance Smith	Ron Simpson	Dev Amin	John Levine

PDS 2012 PPIC Conference Paper Status

No.	Title	Status	Year	Author 1	Author 2	Author 3	Sponsor
2013-3	Bus Differential Protection and Zone Selective Interlocking for LV System, Sensitivity and Speed without Saturation	A0		Marcelo Valdes	Richard Hunt		Ron Simpson
2014-1	Arc Flash Calculaion in DC Systems	B-	2014	Jay Das			Rich Schaefer
	TUTORIALS						
2012-T1	When Bad Things Happen to Good Instrument Transformers	A0	2012	David Ward	Terrance Smith		John Levine
2012-T2	Protection of MV Transformers at Industrial Facilities	A0	2012	Chuck Mozina			Marcelo Valdes
2012-T2A	Harmonics	A0	2012	Ron Simpson			Marcelo Valdes
2012-T3	Transient Overvoltage	A0	2012	Dave Shipp			Bill Vilcheck
				Paper Status	2012	2013	2014
				A	7	1	0
				B	3	2	1
				C	1	0	0
				D	0	0	0
				E	0	0	0
				?	0	0	0
				Tutorial	3	0	0
				Panel	0	0	0

APPENDIX D- TRAINING, SAFETY, STANDARD AND CODES SUBCOMMITTEE

**INTERIM MEETING
OCTOBER 17, 2011 – ATLANTA, GA**

MINUTES

Recorded by: Rachel Bugaris

Members Present: Ralph Shead
Rachel Bugaris
Total: 2

Members with an
Excused Absence: Bryan Gunter
Jim Harris
Al Havens
Daleep Mohla
Larry Thomas
Total: 5

Members with an
Unexcused Absence: Norman Danz
Lanny Floyd
Kevin Lippert
Dave Rollay
Paul Rouillier
Jim White
Total: 6

Total Members: **13**

Guests: None
Total: 0

Introductions

The meeting was called to order by Rachel Bugaris at 8:00 am.

All attendees introduced themselves. Attendance was taken with correction to contact information.

◆ **Announcements General Business**

Open positions in the committee were discussed.

- If interested in volunteering as the backup presentation coordinator, contact Roly Roberge at Roly.Roberge@morganplc.com.

If you have not completed the official PPIC membership form, contact Alan Lowe at alan.lowe@ieee.org to officially join the committee.

The Authors' Guide and checklists are available on the committee website. Visit <http://pulpanpapercommittee.com/> From the menu on the left select Future Conferences → Authors Guide

for the Authors' Guide. From the same menu select Future Conferences → Upcoming Conferences to access the link to the Review, Sponsor, and Tutorial & Panel checklists.

The full committee portion of the Interim meeting will be conducted virtually via teleconference as a test-case. If successful, this may be expanded to include future subcommittee meetings.

Next conference will be June 17-21 in Portland.

General Business

Paper Review

At the meeting in Nashville, Larry Thomas volunteered to be the paper grader for the 2012 conference with Steve Pittman volunteering to be the backup.

Papers, Panels, & Tutorials Status

Authors, sponsors, and reviewers of papers and tutorials should utilize the checklists on the committee website (<http://pulpandpapercommittee.com/>).

The following table summarizes the count of papers, panels and tutorials for the 2012 conference. See the attached spreadsheet for a detailed list.

	A	B	C	D	E
Papers	2	0	1	3	3
Tutorials	1				
Panel				1	
Special Presentation	1 *				

* IEEE/NFPA 70E Arc Flash Research Collaboration Project. Update in form of PowerPoint only, no paper. Follow up to 2011 presentation by Dr. Wei-Jen Lee.

Schedule for 2011 papers will be in the Authors' Guide (currently under revision). Tentative schedule follows:

- Oct 25 Rough drafts submitted for review
- Nov 19 Initial reviews back to authors
- Jan 14 Final draft ready for 2nd review
- Feb Second reviews back to authors
- March Final manuscript to program chair

New Business & Discussion

No new business at this time.

Adjournment

The meeting was adjourned at 9:00 am.

Distribution of Minutes

Subcommittee members and guests, Committee Secretary, Committee Membership Chair.

APPENDIX E- DCS SUBCOMMITTEE

DRIVES AND CONTROLS SUBCOMITTEE 2011 INTERIM MEETING AGENDA

Chairman: Michael Feldkirchner

Vice Chairman: Vacant

A. Introductions

- Members and guests
- Attendance / Membership List

B. Announcements

- Antitrust announcement
- Annual Meeting Location and Date
- Reminder to use IEEE Alias for E-mail
- Reminder to keep IAS Membership up
- Other

C. Old Business

- Review/Approve DCS Minutes from Nashville Meeting
- Future Conferences are scheduled as follows:

2012	Portland, OR	David Durocher
2013	Charlotte, NC	Need Volunteer (Darren Honaker to be transferred)
2014	Milwaukee, WI	Need Volunteer

D. New Business:

- Need 2012 Power Point Operator for Conference.
- Need Atlanta Area Interim Meeting Coordinator – Some members of DCS committee were interested as a team effort. Follow-up needed with Hank Wachter, Alan Lowe.
- Interim Meeting to investigate call in number for members for 2013 Interim meeting.
- Paper Reviewer(s) for 2012 Paper
- New Vice Chairman for Committee

E. Review of Papers:

- Spreadsheet

APPENDIX F- FP ADHOC SUBCOMMITTEE

**FOREST PRODUCTS ADHOC SUBCOMMITTEE
2011 INTERIM MEETING MINUTES**

This committee had no representation at the interim meeting and chose to hold a separate conference call at a later date.

Their paper counts will be submitted separately.

APPENDIX G- MEMBERSHIP ROSTER

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	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	
Tim Albers																			X/X	X/X	X/X	X/X	E/E	X/E	X/O	X/O	O/X	X/E	O/O	O/O	
Keith Allen																									/X	X/X	X/O	O/O	X/O	X/O	
Monte Artz																												X/O	O/O		
Peter Baen																/X	O/X	X/X	X/E	O/E	E/X	X/E	O/E	X/E	O/E	X/X	E/E	X/X	X/E	E/O	
Ronda Banks														X/E	O/X	X/X	X/X	O/X	E/X	X/X	X/X	X/X	X/E	X/E	O/X	X/X	X/X	X/X	X/X	X/X	
John Bentley			X/E	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/E	E/E	X/E	X/O	X/E	X/X	X/E	X/E	X/X	X/E	X/E	X/E	
Kevin Borthwick																									O/E	X/X	X/X	X/E	O/O	O/O	
Rob Boteler																						/X	X/E	X/X	X/O	X/O	X/O	X/O	E/O	X/O	
Rachel Bugarius																											/X	X/X	X/X		
Rich Butler																		X/X	X/X	X/O	X/E	X/X	X/X	X/E	O/O	O/O	E/O	O/E	E/E	O/O	
Charlie Canty				X/X	E/E	E/X	E/O	X/X	E/E	X/X	O/X	X/O	E/O	E/X	E/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	E/X	X/X	X/X	X/X	X/X	E/X	O/O	O/X
Laurie Cihlar												/X	X/X	X/X	O/X	O/X	E/E	E/X	X/E	E/X	X/X	X/X	X/E	X/E	O/X	E/E	E/E	E/E	E/O	E/O	
Geoff Clark																									/X	X/X	X/X	X/X	E/O	O/R	
Radu Curiac																										X/O	X/O	X/O	X/O		
Cathy Dalton																										/X	X/E	X/O	X/X	X/E	
Norm Danz																									/X	E/X	X/X	X/E	E/O	O/O	
Jay Das																			-/X	X/X	X/X	E/X	X/E	X/E	O/X	X/X	X/X	X/X	X/X	X/X	
Greg Drewiske																								X/X	X/X	X/X	X/X	X/E	X/E	X/X	
David Durocher																X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Stephen Dynes			/E	X/E	X/E	E/X	E/O	E/E	X/E	O/E	X/X	X/E	X/O	O/E	E/E	X/E	X/E	X/E	E/O	X/E	E/E	O/O	O/E	E/O	O/O	O/E	X/E	E/O	E/O	O/E	
Brenda Etzel																									/O	X/E	X/O	E/O	O/O	O/O	
Pete Famighetti							X/O	X/O	X/E	X/X	X/E	X/E	E/E	E/E	E/E	O/O	X/E	O/O	E/E	E/E	O/E	X/E	X/E	X/X	X/E	X/X	E/X	X/E	O/E	X/E	
Michael Feldkirchner																								X/E	O/O	X/O	X/O	X/E	X/X	X/X	
Richard Field																										/E	X/E	X/O	X/O	X/O	
Lanny Floyd																					X/O	O/O	X/E	O/O	O/O	O/O	X/O	O/E	O/O	O/O	
Pam Gold																											/X	X/E	O/O		
Bruce Graves			X/X	E/X	X/X	X/X	X/X	X/X	E/E	X/X	E/X	E/O	E/E	X/O	O/X	X/X	E/E	O/X	X/X	X/X	X/X	X/X	E/E	O/O	O/O	E/O	X/E	X/E	E/O	O/O	
Don Grey																							X/X	X/X	X/E	X/E	X/O	X/E	X/E		
Bryan Gunter																											X/X	X/E	O/E		
James Harris																	-/X	O/X	O/X	X/E	X/E	X/X	E/X	O/E	E/E	E/O	O/O	O/E	O/E	O/E	
Al Havens																												X/O	X/E		
Warren Henson																		O/X	X/E	O/X	X/E	E/O	O/E	O/O	O/X	E/O	O/X	X/O	X/E	X/E	
Rick Hoadley																										X/E	X/X	E/O	O/O	O/O	
Darren Honaker																							X/E	O/O	X/X	X/X	X/X	X/X	X/X	X/O	
Bruce Honda																											X/O	E/O	O/E	E/O	

	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00	01	02	03	04	05	06	07	08	09	10	11	
	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	
Warren Hopper																			X/E	O/O	X/E	X/E	X/E	X/E	X/O	X/X	X/E	X/X	X/X	X/E	
Jane Hutt																											X/O	X/O	O/O	E/O	
Jeff Ireland																														X/O	
Jubin Jackson																							/E	X/E	O/E	X/O	O/O	O/O	O/O	X/O	
Preston Jackson				O/X	E/X	X/E	X/E	X/E	X/X	X/E	X/X	X/E	X/E	X/X	X/X	X/E	X/O	X/X	X/X	X/X	X/X	X/E	X/E	X/E	X/O	X/E	X/E	X/O	E/O	O/O	
Rory Johnson		/O	X/X	X/X	X/E	E/O	E/E	X/X	X/O	X/O	X/X	X/O	X/E	X/X	X/O	X/X	X/X	X/X	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/E	X/E	X/O
Walt Jones	X/X	X/X	X/X	X/E	E/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/X	X/X	X/X	X/X	X/X	X/X	E/E	X/E	E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/O
Burt Judson	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
John A. Kay															X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E
Daniel Kobida																										/X	X/X	X/O	O/O	O/O	
Mike Kozlowski																								X/O	O/O	X/O	X/O	O/O	O/O	X/O	
Roger Lawrence																											O/X	X/O	E/E	O/O	
Todd Legette																								/O	E/O	X/O	X/X	E/X	X/X		
John Levine											/X	E/X	X/X	E/X	X/E	O/X	X/X	O/X	X/E	O/X	E/E	X/X	X/E	X/E	O/X	X/X	X/X	X/X	X/X	X/X	
Pat Link												/X	X/E	E/E	X/X	O/X	X/X	X/E	X/E	X/X	X/O	X/X	E/E	O/X	X/E	X/E	X/E	X/X	X/X	O/E	
Kevin Lippert																						X/E	X/E	X/E	X/E	O/O	O/E	O/O	O/O		
Blake Lloyd												X/E	X/X	X/X	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	
Anthony Locker																							X/O	X/X	O/O	X/X	E/X	X/O	X/O	X/O	
Bob Lorenz																			X/O	O/O	X/O	X/O	X/E	X/E	X/E	X/E	X/O	X/O	E/E	X/O	
Alan Lowe						O/E	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/X	X/X	E/X
David Mabus																														X/O	
John Malinowski																				X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/O	X/O	X/X	X/O	
George Matto	E/O	X/E	E/E	X/E	E/E	X/E	X/E	X/O	E/E	X/O	O/O	X/O	X/O	E/O	X/E	X/E	O/O	X/E	X/E	X/E	X/X	X/O	X/E	X/E	X/E	X/E	X/E	X/E	X/X	X/E	X/O
Chad McLelland																											O/O	O/O	X/E	O/O	
Larry Menche												X/E	X/X	X/O	X/E	E/E	X/X	X/O	E/X	X/E	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/E	X/X	
Stan Merritt	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/E	E/O	O/E	E/E	E/O	X/O	O/O	X/E	X/E	X/O	X/O	O/O	X/O	
Guy Miller																											/X	X/O	E/O		
Daleep Mohla																									O/E	X/E	X/O	E/O	X/E	X/E	
Hugo Monterrubio																												X/O	O/O		
Robert Montgomery																-X	X/X	X/X	E/X	X/E	X/E	X/E	O/E	X/E	O/O	X/E	E/X	E/E	X/E	X/E	
Doug Moody																			-O	X/X	X/E	E/E	E/E	E/E	X/O	X/E	E/E	E/O	X/E	O/E	
Chuck Mozina																							X/X	X/E	X/X	X/X	X/X	X/X	E/O	X/X	
Felix Nepveux																							X/E	X/E	X/O	X/X	X/E	X/X	X/E	O/X	
Jerry Nuernberger																									/E	X/E	E/E	X/O	X/O		
Larry Olsen																									/X	X/X	X/X	E/O	X/X	X/X	

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	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	A/I	
Craig Pinto																					X/X	X/X	E/X	O/X	O/X	E/X	E/E	O/O	E/E	O/O	
David Rains																									/X	X/O	O/O	X/O	O/O		
Duncan Rhodes															X/E	X/X	X/E	X/X	X/X	X/E	X/X	X/E	X/X	O/X	X/X	X/X	X/E	E/E	X/O		
Bob Richard																												X/O	O/O		
Roland Roberge																										X/X	X/X	X/X	X/X		
Dave Rollay	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	E/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E
Paul Roullier									/X	X/X	X/E	X/X	X/X	X/X	X/X	X/E	X/X	X/E	X/X	X/X	X/O	X/E	X/E	X/E	X/X	X/X	X/O	X/E	X/X	X/O	
Richard Schaefer																	-E	X/E	X/E	X/E	X/X	X/X	X/E	X/E	X/X	X/E	X/E	X/O	X/O	X/E	
Charles Scurry																												X/O	E/O		
Del Seaver													/O	X/X	X/O	X/E	X/X	X/X	X/X	X/X	X/E	E/O	E/E	E/O	X/E	X/E	X/X	E/O	O/E	O/O	
Ralph Shead												/O	X/X	X/X	X/X	X/X	X/X	X/X	X/X	O/O	E/X	X/X	X/O	O/X	X/X	X/O	X/X	X/X	X/O	O/X	
Ron Simpson				E/X	X/X	X/X	X/X	X/X	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X
Glenn Smith																			X/O	X/E	E/E	E/E	X/E	O/O	X/E	X/E	X/E	E/O	E/E	X/E	
Terry Smith																													X/E		
Mark Spears																								X/O	O/O	O/X	O/O	X/O	O/O		
Larry Thomas							E/E	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/X	X/E	E/E	X/E	X/X	X/E	X/E	X/E	X/X	X/E	X/X	
Rick Timms																									/X	X/E	X/O	O/O	O/O		
Mike Tribe																						X/E	E/E	O/O	O	X/E	E/E	O/O	O/O		
Steven Trussell																			X/O	X/E	X/E	E/O	O/E	O/O	O	O/E	X/O	O/O	O/O		
Richard Turner																								X/X	X/X	X/X	E/O	O/O	O/O		
Marcelo Valdes																						X/E	X/X	O/O	E/E	X/E	X/O	X/O	X/E		
Anibal Valenzuela																			X/E	X/O	X/O	X/O	X/E	X/E	X/E	X/O	X/O	X/E	X/E		
Bob Vandenabeele																										/X	X/E	O/R			
Bill Vilcheck															/X	X/X	O/X	X/X	X/E	X/X	X/E	X/X	X/E	X/X	X/X	X/X	X/X	X/X	X/X	X/E	
Hank Wachter									X/O	X/E	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/X	E/E	O/X	O/X	E/X	X/X	X/O	X/O	X/O	X/O	X/X	E/X	O/X	
Rick Watkins							/X	X/X	X/X	X/O	X/X	E/X	X/X	X/E	O/X	X/X	O/O	O/O	X/X	X/X	X/X	X/O	X/X	O/X	O/X	E/E	E/X	O/E	O/O		
Allen Watson																			X/O	X/E	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X	O/O		
Mark Weaver				X/X	X/E	E/X	E/X	X/X	X/E	X/E	X/X	X/E	X/X	X/X	E/E	X/X	X/E	X/X	X/X	X/X	X/X	E/X	X/E	E/E	O/X	X/X	X/X	X/X	X/X	X/O	
Craig Wester																										/E	X/X	X/E			
Patrick Whatley																										/E	O/O	O/O			
Jim White																										X/O	E/O	O/O	O/O		
Alex Wu		E/X	X/X	X/X	E/X	E/X	X/X	X/E	X/O	X/E	X/X	X/X	X/O	X/X	X/X	X/O	X/X	X/X	X/X	X/X	X/X	X/X	X/E	X/E	X/X	X/X	X/X	X/X	X/X	X/X	
Mark Zawadzki															/X	E/X	X/O	X/X	E/X	O/O	X/E	X/E	E/O	X/E	X/E	X/E	E/E	X/E	X/O		
Dave Zimmer																										X/E	E/E	X/E	X/E		

<i>For 2011 Interim Meeting</i>	
<i>No. Present</i>	<i>21</i>
<i>No. Excused</i>	<i>25</i>
<i>No. Absent</i>	<i>56</i>
<i>Total on Roll</i>	<i>102</i>