

**Standards Project Liaison Subcommittee   
(SPLS)**

MINUTES

**St. Louis Annual Meeting**

**St. Louis Marriott**

**June 24 and 28, 2016**

*Approved by SPLS August 16, 2016*

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**SPLS** **Action Items**

**As of June 28, 2016**

Updates noted in red

|  |  |  |  |
| --- | --- | --- | --- |
| St. Louis, June 2016 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1 | Action item to Julie Ferguson to work with the chair of GPC 22 to get a full committee in place by Tech Weekend. | Ferguson | Open |
| 2 | Action item to Julie Ferguson to work with the chair of SPC 219 to get a full committee in place by Tech Weekend | Ferguson | Open |
| 3 | Action item for Jack Zarour to get an updated timeline for PPR from the chair of SPC 155 | Zarour | Open |
| 4 | Action item for SPLS members to review and comment on the Draft PC Chairs Handbook and provide input to Roger Hedrick and staff by Tech Weekend | SPLS | Open |
| Orlando, January 2016 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1 | Staff to get list of previous SA winners and find out where other award winners are posted Hightower Award.  Ongoing | LeBlanc | Open |
| 2 | Julie Ferguson to work with Chair of SPC 208 to get a full PC.  Ongoing | Ferguson | Open |
| 3 | John Dunlap to find a Chair for SSPC 161 and talk to Chair of TC 9.3, and talk to EHC. | Dunlap | Closed |
| 4 | Jack Zarour to contact the Chair of GPC 39 to get project status. | Zarour | Closed |
| Tech Weekend, October 2015 | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1 | An action item was assigned to John Dunlap and Mark Modera to request SSPC 55 members indicate if they are members of CBE and then to create a small group to discuss if changes to the SSPC membership is necessary prior to the January meeting.  Mark agreed to talk to Doug Reindl about closing out this issue. Ongoing | Dunlap and Modera | Closed |
| 2 | An action item was assigned to Jim Earley to work with the Chair of SPC 28 to get the committee in balance. New PC working with Chair.  Still working on this – should be done by January | Earley | Open |
| 3 | An action item was assigned to Jim Earley to work with the Chair of SPC 182 to get a full and balanced committee. New PC working with Chair. need to get paperwork for final member needed | Earley | Open |
| 4 | Action item for Jack Zarour to work with the proposed Chair get PC to get Chair’s Recommendation Form submitted for PC membership. Staff added | Zarour | Closed |

|  |  |  |  |
| --- | --- | --- | --- |
| **Chicago January 2015** | | | |
| **AI#** | **Action** | **Assigned To** | **Status** |
| 1a | Wayne Stoppelmoor to work with the Chair of SPC 37 to complete merger with SPC 116 (staff added).  Open will talk with Chair about getting official paperwork for SPC 116 member transfers to SPC 37. Chair waiting for one more member to complete paperwork, Get on June agenda. | Stoppelmoor | Closed |
| [6](#a6) | Peter Simmonds to work with the Chair of SPC 25 to approve an unbalance committee  Still open | Simmonds | Closed |

# Call to Order/Chair’s Report/Introductions

## 

## Call to Order/Chair’s Report

The Standards Project Liaison Subcommittee (SPLS) meeting was called to order at 2:00 p.m. CDT on Friday, June 24, 2016 in the Portland room of the St. Louis Marriott hotel.

## Introductions

Chair Mark Modera welcomed members and guests. The following members, guests and staff were in attendance:

|  |  |
| --- | --- |
| **Members Present**  Mark P. Modera  Donald M. Brundage  John F. Dunlap  James W. Earley, Jr.  Keith I. Emerson  Julie M. Ferguson  Roger L. Hedrick  Srinivas Katipamula  Lawrence C. Markel  Heather Platt  David Robin  Peter Simmonds  Wayne H. Stoppelmoor, Jr.  Jack H. Zarour | **Members not Present**  **Staff Present**  Susan LeBlanc, Standards Administrator  **Guests**  Mike Gallagher  Lee Millies  Doug Reindl  Mike Woodford |

Chair Mark Modera noted the passing of SPLS member John Clark and asked for a moment of silence.

# Approval of Minutes

It was moved by Heather Platt and seconded by Julie Ferguson:

**1** That the SPLS minutes noted below be approved by consent agenda:

1. SPLS Winter Meeting Minutes Orlando
2. SPLS February 10, 2016 Meeting Minutes
3. SPLS March 4, 2016 Meeting Minutes
4. SPLS March 23 2016 Meeting Minutes
5. SPLS April 27, 2016 Meeting Minutes

**MOTION PASSED.13-0-0, CNV**

# Public Review Drafts

It was moved by John Dunlap and seconded by Julie Ferguson:

**2** ThatBSR/ASHRAE Addendum *a* to ANSI/ASHRAE Standard 161-2013, *Air Quality within Commercial Aircraft*, be approved for publication public review.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Larry Markel and seconded by Julie Ferguson:

**3** That agenda items 5b and 5f, as shown below, be approved by consent agenda for publication public review.

1. BSR/ASHRAE/USGBC/IES Addendum *v* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*
2. BSR/ASHRAE/USGBC/IES Addendum *w* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*
3. BSR/ASHRAE/USGBC/IES Addendum *z* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*
4. BSR/ASHRAE/USGBC/IES Addendum *ab* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*
5. BSR/ASHRAE/USGBC/IES Addendum *ad* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*

MOTION PASSED. 11-0-2[[1]](#footnote-2) CNV

It was moved by Larry Markel and seconded by Julie Ferguson:

**4** ThatBSR/ASHRAE/USGBC/IES Addendum *x* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*, be approved for publication public review.

**MOTION PASSED. 11-0-2[[2]](#footnote-3) CNV**

It was moved byLarry Markel and seconded by Julie Ferguson:

**5** ThatBSR/ASHRAE/USGBC/IES Addendum *y* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*, be approved for publication public review.

**MOTION PASSED. 11-0-2[[3]](#footnote-4) CNV**

It was moved by Larry Markel and seconded by Julie Ferguson:

**6** ThatBSR/ASHRAE/USGBC/IES Addendum *aa* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*,be approved for publication public review.

**MOTION PASSED. 11-0-2[[4]](#footnote-5) CNV**

It was moved by Larry Markel and seconded by Wayne Stoppelmoor:

**7** ThatBSR/ASHRAE/USGBC/IES Addendum *ac* to ANSI/ASHRAE/USGBC/IES Standard 189.1-2014, *Standard for the Design of High-Performance Green Buildings*,be approved for publication public review.

**MOTION PASSED. 11-0-2[[5]](#footnote-6) CNV**

# Proposed TPS Changes

It was moved by Heather Platt and seconded by Larry Markel:

**8** That the proposed TPS for SPC 214, *Standard for Measuring and Expressing Building Energy Performance in a Rating Program,* be approved as shown in [Attachment A](#B).

**MOTION PASSED. 13-0-0 CNV**

It was moved by Wayne Stoppelmoor and seconded by Julie Ferguson:

**9** That proposed changes to the TPS for SPC 215, *Method of Test to Determine Leakage Airflows and Fractional Leakage of Operating Air-Handling Systems*, be approved as shown in [Attachment B](#B).

**MOTION PASSED. 13-0-0, CNV**

# Work Plans

It was moved by Julie Ferguson and seconded by Wayne Stoppelmoor:

**10** That the work plan for GPC 36, *High Performance Sequences of Operation for HVAC Systems,* be approved as presented.

**MOTION PASSED. 12-0-1[[6]](#footnote-7), CNV**

It was moved by Jim Earley and seconded by Julie Ferguson:

**11** That the work plan for SPC 182, *Method of Test for Absorption Chillers,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

It was moved by Wayne Stoppelmoor and seconded by Julie Ferguson:

**12** That the work plan for SPC 158.2, *MOT for Capacity of Refrigerant Pressure Regulators,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

It was moved by Wayne Stoppelmoor and seconded by Heather Platt:

**13** That the work plan for SPC 215, *Method of Test to Determine Leakage Airflows and Fractional Leakage of Operating Air-Handling Systems,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

# Membership Roster Changes

It was moved by Don Brundage and seconded by Julie Ferguson:

**14** That revisions to the membership roster for SPC 72, *Method of Testing Commercial Refrigerators and Freezers*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0CNV**

It was moved by John Dunlap and seconded by Julie Ferguson:

**15** That revisions to the membership rosters for agenda items listed under Dunlap a, b, d and e as shown below and in [Attachment C](#C), be approved by consent agenda.

1. SSPC 41, *Standard Methods of Measurement*
2. SSPC 55, *Thermal Environmental Conditions for Human Occupancy*
3. SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings*
4. SSPC 161, *Air Quality Within Commercial Aircraft*

**MOTION PASSED. 12-0-1[[7]](#footnote-8) CNV**

It was moved by John Dunlap and seconded by Heather Platt:

**16** That revisions to the membership roster for SSPC 62.1, *Ventilation for Acceptable Indoor Air Quality,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 12-0-1[[8]](#footnote-9) CNV**

It was moved by John Dunlap and seconded by Julie Ferguson:

**17** That revisions to the membership roster for SSPC 170, *Ventilation of Health Care Facilities,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 12-0-1[[9]](#footnote-10) CNV**

It was moved by Jim Earley and seconded by John Dunlap:

**18** That revisions to the membership rosters for agenda items listed under Earley and b as shown below and in [Attachment C](#C), be approved by consent agenda.

1. SPC 182, *Method of Testing Absorption Water-Chilling and Water Heating Packages*
2. SPC 217, *Non-Emergency Ventilation in Enclosed Road, Rail and Mass Transit Facilities*

**MOTION PASSED. 13-0-0CNV**

It was moved by Keith Emerson and seconded by Heather Platt:

**19** That revisions to the membership rosters for agenda items Emerson a through eas shown below and in [Attachment C](#C), be approved by consent agenda:

1. SSPC 100, *Energy Efficiency in Existing Buildings*
2. SSPC 140, *Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs*
3. SSPC 145, Test Method for Assessing the Performance of Gas Phase Air Cleaning Equipment
4. SSPC 154, *Ventilation for Commercial Cooking Operations*
5. SSPC 160, *Criteria for Moisture-Control Design Analysis in Buildings*

**MOTION PASSED. 13-0-0CNV**

It was moved by Julie Ferguson and seconded by Heather Platt:

**20** That revisions to the membership roster for GPC 22, *Instrumentation for Monitoring Central Chilled-Water Plant Efficiency,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

*Action item to Julie Ferguson to work with the chair of GPC 22 to get a full committee in place by Tech Weekend.*

*Action item to Julie Ferguson to work with the chair of SPC 219 to get a full committee in place by Tech Weekend.*

It was moved by Julie Ferguson and seconded by Heather Platt:

**21** That revisions to the membership roster for GPC 36, *High Performance Sequences of Operation for HVAC Systems,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 12-0-1[[10]](#footnote-11) CNV**

It was moved by Julie Ferguson and seconded by Heather Platt:

**22** That revisions to the membership roster for GPC 41, *Design, Installation and Commissioning of Variable Refrigerant Flow Systems,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Julie Ferguson and seconded by Heather Platt:

**23** That revisions to the membership roster for SPC 214, *Standard for Measuring and Expressing Building Energy Performance in a Rating Program,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Roger Hedrick and seconded by Keith Emerson:

**24** That revisions to the membership rosters for agenda items under Hedrick a, b, c and g shown below and in [Attachment C](#C), be approved by consent agenda:

1. GPC 34, *Energy Guideline for Historical Buildings and Structures*
2. SSPC 15, *Safety Standard for Refrigeration Systems*
3. SSPC 34, *Designation and Safety Classification of Refrigerants*
4. SPC 205, *Data Exchange Protocols for Energy Simulation of HVAC&R Equipment Performance*

**MOTION PASSED. 13-0-0 CNV**

It was moved by Roger Hedrick and seconded by Keith Emerson:

**25** That revisions to the membership roster for SSPC 90.1, *Energy Standard for Buildings Except Low-Rise Residential Building, as* shown in [Attachment C](#C), be approved.

**MOTION PASSED. 10-0-3[[11]](#footnote-12) CNV**

It was moved by Roger Hedrick and seconded by Keith Emerson:

**26** That revisions to the membership roster for SSPC 90.2, *Energy Efficient Design of Low-Rise Residential Buildings,* as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 12-0-1[[12]](#footnote-13) CNV**

It was moved by Roger Hedrick and seconded by Keith Emerson:

**27** That revisions to the membership roster for SSPC 135, *BACnet - A Data Communication Protocol for Building Automation and Control Networks,* as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 11-0-1[[13]](#footnote-14) CNV**

It was moved by Srinivas Katipamula and seconded by Julie Ferguson:

**28** That revisions to the membership rosters for agenda items under Katipamula a and c as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SPC 118.1, *Method of Testing for Rating Commercial Gas, Electric and Oil Service Water Heating Equipment*
2. SPC 124,*Methods of Testing for Rating Combination Space-Heating and Water-Heating Appliances*

**MOTION PASSED. 13-0-0 CNV**

It was moved by Srinivas Katipamula and seconded by Julie Ferguson:

**29** That revisions to the membership roster for SPC 118.2, *Method of Testing for Rating Residential Water Heaters,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 12-0-1[[14]](#footnote-15) CNV**

It was moved by Larry Markel and seconded by Julie Ferguson:

**30** That revisions to the membership rosters for agenda items Markel a, b and c as shown below and in [Attachment C](#C), be approved by consent agenda:

1. SSPC 52.2, *Method of Testing General Ventilation Air Cleaning Devices for Removal Efficiency by Particle Size*
2. SSPC 169, *Climatic Data for Building Design Standards*
3. SSPC 188, *Legionellosis: Risk Management for Building Water Systems*

**MOTION PASSED. 13-0-0 CNV**

It was moved by Larry Markel and seconded by Heather Platt:

**31** That revisions to the membership roster for SSPC 189.1, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 11-0-2[[15]](#footnote-16) CNV**

**32** That revisions to the membership roster for SPC 2210, *Guideline for Initial Residential Mold Assessment Standard,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Heather Platt and seconded by Wayne Stoppelmoor:

**33** That revisions to the membership roster for SPC 84, *Method of Testing Air-to-Air Heat/Energy Exchangers,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Heather Platt and seconded by Wayne Stoppelmoor:

**34** That revisions to the membership roster for SPC 113, *Method of Testing Room Air Diffusion,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Dave Robin and seconded by Wayne Stoppelmoor:

**35** That revisions to the membership rosters for agenda items listed under Robin a through e as shown below and in [Attachment C](#C),be approved by consent agenda:

1. SPC 24, *Methods of Testing for Rating Liquid Coolers*
2. SPC 30, *Methods of Testing Liquid Chilling Packages*
3. SPC 146, *Methods of Testing and Rating Pool Heaters*
4. SPC 200, *Methods of Testing Chilled Beams*
5. SPC 216, *Methods of Test for Determining Application Data of Overhead Circulator Fans*

**MOTION PASSED. 13-0-0 CNV**

It was moved by Peter Simmonds and seconded by John Dunlap:

**36** That revisions to the membership rosters for agenda items listed under Simmonds a and b as shown below and in [Attachment C](#C),be approved by consent agenda:

1. SPC 25, *Methods of Testing Forced Convection and Natural Convection Air Coolers for Refrigeration*
2. SPC 70, *Method of Testing the Performance of Air Outlets and Air Inlets*

**MOTION PASSED. 13-0-0 CNV**

It was moved by Wayne Stoppelmoor and seconded by Heather Platt:

**37** That revisions to the membership rosters for agenda items listed under Stoppelmoor a and b, as shown below and in [Attachment C](#C), be approved by consent agenda:

1. GPC 11, *Field Testing of HVAC Controls Components*
2. SPC 37, *Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment*

**MOTION PASSED. 13-0-0CNV**

It was moved by Jack Zarour and seconded by John Dunlap:

**38** That revisions to the membership roster for SPC 155, *Method of Testing for Rating Commercial Space Heating Boiler Systems,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0CNV**

*Secretary’s note: the present and proposed balance numbers for SPC 155 were corrected.*

It was moved by Jack Zarour and seconded by John Dunlap:

**39** That revisions to the membership roster for SPC 180, *Standard Practice for Inspection and Maintenance of Commercial-Building HVAC Systems,*as shown in [Attachment C](#C), be approved.

**MOTION PASSED. 13-0-0 CNV**

# New Business

It was moved by John Dunlap and seconded by Julie Ferguson:

**40** That Standard Project 41.12, *Standard Methods of Uncertainty Analysis,*be discontinued and disbanded at the request of SSPC 41.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Jim Earley and seconded by Julie Ferguson:

**41** That SPC 184, *Method of Test for Field Performance of Liquid-Chilling Systems*, be approved to be left in place following publication of the standard for the development of addenda.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Roger Hedrick and seconded by Don Brundage:

**42** That SPC 201, *Facility Smart Grid Information Model*, remain an active PC for one year until June 30, 2017.

**MOTIONPASSED. 12-0-1[[16]](#footnote-17)CNV**

1. **Recess**

The meeting recessed at approximately 4:55 pm CDT.

1. **Call to Order**

**Call to Order/Chair’s Report**

The Standards Project Liaison Subcommittee (SPLS) meeting reconvenedon Tuesday, June 28, 2016 at 2:00 p.m. CDT in the Benton room of the St. Louis Marriott.

**Introductions**

Incoming Chair Roger Hedrick greeted members and guests. The following members and guests were in attendance:

|  |  |
| --- | --- |
| **Members Present**  Mark P. Modera*(partial)*  Donald M. Brundage  John F. Dunlap  James W. Earley, Jr.  Keith I. Emerson  Julie M. Ferguson  Roger L. Hedrick  Srinivas Katipamula  Lawrence C. Markel  Heather Platt  David Robin  Peter Simmonds  Wayne H. Stoppelmoor, Jr.  Jack H. Zarour | **Members not Present** None  **Staff Present**  Susan LeBlanc*, Standards Administrator*  **Guests**  Susanna Hanson  Mike Gallagher  Chris Matthews  Lee Millies  Mike Woodford |

# Work Plans

It was moved by Srinivas Katipamula and seconded by Julie Ferguson:

**43** That the work plan for SPC 128, *Method of Rating Portable Air Conditioner,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

It was moved by Srinivas Katipamula and seconded by Julie Ferguson:

**44** That the work plan for SPC 64, *Methods of Lab Testing Remote Mechanical-Draft Evaporative Refrigerator Condensers,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

It was moved by Larry Markel and seconded by Keith Emerson:

**45** That the work plan for SSPC 169, *Climatic Data for Building Design Standards,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

It was moved by Peter Simmonds and seconded by Julie Ferguson:

**46** That the work plan for SPC 63.2, *MOT Filtration Capability of Liquid Line Filter Driers,* be approved as presented.

**MOTION PASSED. 13-0-0, CNV**

# Ongoing Business

It was moved by Julie Ferguson and seconded by Heather Platt:

**47** That SPC 199, *Method of Testing the Performance of Industrial Pulse Cleaned Dust Collectors*, be allowed to continue as an SPC for a one year until June 30, 2017.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Roger Hedrick and seconded by Heather Platt:

**48** That all future addenda to Standard 15 covering sub-class 2L be allowed to be processed using PASA 7.2.1.3, Fast Track Public Review, provided that no negative votes with reason are received during the vote for publication public review.

**MOTION PASSED. 13-0-0 CNV**

It was moved by Don Brundage and seconded by Jim Earley:

**49** That SSPC 202 to be cognizant PC to Guideline 0 and Guideline 1.1 and disband SGPC 0.

**MOTION PASSED. 12-0-0 CNV**

# Review of Delinquent Standards

SPLS reviewed and updated the status of Delinquent Standards as shown in [Attachment D](#D).

*Action item for Jack Zarour to get an updated timeline for PPR from the chair of SPC 155.*

# Review of Action Items

The [Action Items](#SPLS_Action_Items) from previous meetings were reviewed and updated.

*Secretary’s note: the Draft PC Chairs Handbook was distributed to SPLS members for review and comment back to ASHRAE staff prior to Tech Weekend.*

*Action item for SPLS members to review and comment on the Draft PC Chairs Handbook and provide input to Roger Hedrick and staff by Tech Weekend.*

1. **Next Meetings**

* ASHRAE Summer/Tech Weekend Web meeting – August/September TBD

1. **Adjournment**

The SPLS meeting adjourned at approximately 3:25 pm CDT.

| **ATTACHMENT LIST** | |
| --- | --- |
| A |  |
| B |  |
| C |  |
| D |  |

1. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-2)
2. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-3)
3. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-4)
4. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-5)
5. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-6)
6. Srinivas Katipamula abstained because he is a member of the GPC. [↑](#footnote-ref-7)
7. Peter Simmonds abstained because he is a member of SSPC 55. [↑](#footnote-ref-8)
8. Roger Hedrick abstained because he is a member of the SSPC. [↑](#footnote-ref-9)
9. Heather Platt abstained because she is a member of the SSPC. [↑](#footnote-ref-10)
10. Srinivas Katipamula abstained because he is a member of the GPC. [↑](#footnote-ref-11)
11. Don Brundage, John Dunlap and Wayne Stoppelmoor abstained because are members of the SSPC. [↑](#footnote-ref-12)
12. Wayne Stoppelmoor abstained because he is a member of the SSPC. [↑](#footnote-ref-13)
13. Dave Robin abstained because he is a member of the SSPC. Note: Peter Simmons left the room during this motion. [↑](#footnote-ref-14)
14. Jim Earley abstained because he is a member of the SPC. [↑](#footnote-ref-15)
15. Wayne Stoppelmoor and Roger Hedrick abstained because they are members of the SSPC. [↑](#footnote-ref-16)
16. Dave Robin abstained because he is a member of the SPC. [↑](#footnote-ref-17)