



Setting the Standards for Home Energy Efficiency

# Approved Meeting Minutes RESNET Board of Directors Fall 2019 Meeting Charlotte Marriot SouthPark, Charlotte, NC Thursday, October 17, 2019

Members Present	Members Absent	Staff Present
Jacob Atalla David Beam Dave Bell Thiel Butner Philip Fairey Emelie Cuppernell Glitch Matt Gingrich David Goldstein Andrew Harris John Hensley Roy Honican Mark Johnson Cy Kilbourn Abe Kruger Paulette McGhie Chris McTaggart Clayton Morris Curt Rich	Jim Amarin Clayton Traylor	Steve Baden Emma Bennett Laurel Elam Cardice Howard

### Meeting Called to Order

Matt Gingrich, RESNET Board President, called the meeting to order at 8:33 a.m. Eastern.

### Roll Call

Philip Fairey, RESNET Board Secretary, called the roll. A quorum was present.

### Approve Agenda

Matt Gingrich called for a motion to approve the agenda that was sent prior to the meeting.

Emelie Glitch made a motion to approve the agenda. David Beam seconded the motion. Motion approved by a voice vote.

## **RESNET Anti-Trust Policy**

Curt Rich reminded the RESNET Board of the RESNET Anti-Trust Policy that was sent prior to the meeting.

## **Approval of Draft September 10, 2019 Board Meeting Minutes**

Philip Fairey made a motion to approve the draft minutes of the September 10, 2019 board meeting that were sent prior to the meeting. Jacob Atalla seconded the motion. Motion approved by a voice vote.

## **Consideration of Recommendation of the RESNET EBx Working Group**

Chris McTaggart, Chairman of EBx Working Group, presented the group's recommendation to pursue the RESNET EBx by creating a formal working group to continue the project.

If approved, Chris suggested doing a pilot in 2020. Chris emphasized that it will be a time and financial commitment by staff and board and encouraged any feedback on the work done so far.

Steve Baden stated that RESNET staff would support the working group to move forward with the project. Cardice Howard will be meeting with Phoenix city officials next week and Phoenix could be considered as the pilot town.

Clayton Morris made a motion to approve the recommendation of creating a formal working group to establish the RESNET EBx. Abe Kruger seconded the motion. Motion approved by voice vote.

Cy Kilbourn suggested that the working group be titled "RESNET Energy Benchmark Working Group" in case the group decides to re-brand the name. There was general support of this.

## **Consideration of Recommendation of RESNET When Energy is Used Working Group**

David Goldstein, Chairman of When Energy is Used Working Group, made a motion to approve the Load Flexibility Working Group's recommendations.

The recommendations were:

1. The Board should direct the Standard Management Board task one or more Standards Development Committees (SDCs) to develop new methods for weighting hourly energy consumption differently depending on time, location, and weather.
  - a. This could be very expensive—beyond RESNET's means.
  - b. Therefore, RESNET should seek to partner with DOE or other interested parties by offering to make use of the results of the analysis in over 250,000 ratings annually.
2. SDCs should seek to harmonize in two ways with other new efforts to develop time of use factors based on marginal source energy or carbon emissions: 1) by using a similar methodology to that of the California Energy Commission and

ASHRAE 90.1; and 2) by developing new procedures and algorithms that California and ASHRAE would likely take up.

3. SDCs should seek to harmonize with other organizations broadly. This attempt should be global in scope.
4. SDCs should evaluate energy consumption impacts such as carbon emissions using local factors and offering more than one key index.
5. SDCs should sequence the analysis and standards development to prioritize making the more straightforward changes quickly while deferring more difficult or controversial actions that will be taken subsequently.
6. SDCs should establish operational assumptions for autonomous control and demand response under different inputs of control options e.g., utility direct control, consumer operation in response to time of use pricing, use of time clocks, etc.

Roy Honican seconded the motion.

Philip Fairey requested a friendly amendment to the language within the recommendation:

1. The Board should ~~direct the Standard Management Board task one or more Standards Development Committees (SDCs)~~ establish a Board Task Group (TG) to develop new methods for weighting hourly energy consumption differently depending on time, location, and weather.
  - a. This could be very expensive—beyond RESNET’s means.
  - b. Therefore, RESNET should seek to partner with DOE or other interested parties by offering to make use of the results of the analysis in over 250,000 ratings annually.
2. ~~The TG-SDCs~~ should seek to harmonize in two ways with other new efforts to develop time of use factors based on marginal source energy or carbon emissions: 1) by using a similar methodology to that of the California Energy Commission and ASHRAE 90.1; and 2) by developing new procedures and algorithms that California and ASHRAE would likely take up.
3. ~~The TG-SDCs~~ should seek to harmonize with other organizations broadly. This attempt should be global in scope.
4. ~~The TG-SDCs~~ should evaluate energy consumption impacts such as carbon emissions using local factors and offering more than one key index.
5. ~~The TG-SDCs~~ should sequence the analysis and standards development to prioritize making the more straightforward changes quickly while deferring more difficult or controversial actions that will be taken subsequently.
6. ~~The TG-SDCs~~ should establish operational assumptions for autonomous control and demand response under different inputs of control options e.g., utility direct control, consumer operation in response to time of use pricing, use of time clocks, etc.

David Goldstein and Roy Honican accepted proposed changes as a friendly amendment to the motion.

Emelie asked who the task group would report to, Philip Fairey stated that the TG would report directly to the RESNET Board of Directors.

David Goldstein stated that the TG would work on producing a draft document by the 2020 Spring Board meeting.

The amended motion was approved by voice vote.

### **Consideration of Recommendation of RESNET Energy Modeling Designation Working Group**

Matt Gingrich, Chairman of Energy Modeling Designation Working Group, presented the group's recommendation:

- A New field added to the rating software to enter the Energy Modeler for each rating that would be sent to and captured in the RESNET registry.
- Training Providers deliver Modeler training and certify successful trainees.
- Software Providers create Train-the-Trainer courses that allow them to approve a Training Provider to deliver training on their specific software.
- Training Providers develop training for a specific software. Individuals must pass to earn the designation for a specific software tool(s).
- Software Providers create a training EXEMPTION exam for EXISTING certified Raters to achieve this modeling designation.

Cy Kilbourn asked what the process would be for keeping up to date on the certification, Philip Fairey stated that it would most likely be required.

Chris McTaggart asked if it would be mandatory, Philip Fairey stated that requiring it to be entered into the rating software would make it mandatory. Chris McTaggart suggested that the recommendation state it clearly.

Abe Kruger asked how many modelers there might be in the industry. Steve Baden stated that he estimates, based on talks with his Providers, it would be over a thousand.

A guest stated that he believes that the Energy Modelling designation should be created as a credential and should be required. He believes that the certification is long overdue in the industry and thanked the task group for their work on the recommendation.

The board discussed considerations for the certification to be produced.

Thiel asked if extra QA would be required. Clayton Morris stated that additional QA would not be needed.

Clayton Morris stated that from the experience of his company acquiring other providerships, small and large, that the credential would be very beneficial for his organization and others in the industry.

Chris McTaggart asked Dave Bell his perspective as a large provider. Dave stated that TopBuild employs at least 10 people whose only job is to do energy modeling and that his company needed this designation.

Jacob Atalla stated that as a builder, this would help create greater consistency especially if modelers change employers.

Cy Kilbourn suggested that all modelers would be given a number and have to insert their name into the file so RESNET could collect the data before implementing a full training program and certification process.

Steve Baden suggested that this be addressed at the December Board meeting and have the committee produce further recommendations and stated that if the Energy Modeler credential is mandatory it would require a MINHERS standard amendment.

Emelie made a motion to approve the recommendation to add a new field to the rating software to enter the Energy Modeler for each rating that would be sent to and captured in the RESNET registry. There was no second to the motion.

Roy Honican made a motion for the committee to create a recommendation for a HERS Modeler certification. Chris McTaggart seconded the motion. Motion approved by voice vote.

### **Consideration of Recommendation of the RESNET Expanding Opportunities for HERS Raters Outside of HERS Working Group**

John Gillett, Chairman of Expanding Opportunities for HERS Raters Outside of HERS Working Group, presented on the group's recommendation. Short term initiatives include:

- HERS IECC Verification Professional,
- HERSH2O, and
- ACCA 310

Abe Kruger suggested that the motion put in place be included in the 2020 RESNET Staff Goals and Priorities. HERSH2O and HERS IECC are included in the Goals and Priorities document and recommended that ACCA 310 be added.

Thiel questioned how the board could speed up the process for these initiatives, Chris McTaggart suggested that staff could create a timeline for each opportunity.

Jacob Atalla made a motion for RESNET Staff to expand and pursue the following short-term initiatives to create a framework for larger business opportunities including: HERS IECC Verification Professional, HERSH2O and ACCA 310. There was no second to the motion.

Cy Kilbourn suggested an amendment that RESNET staff shall create a work plan and timeline for each initiative and explore additional initiatives in the future.

Steve Baden suggested that the board should continue this group to continue exploring initiatives.

David Goldstein made a motion that the task group continue to pursue short-term and long-term opportunities for RESNET to pursue. Philip Fairey seconded the motion. Motion approved by voice vote.

### **Consideration of Proposed RESNET Policy on Performance Based Quality Assurance**

Steve Baden, RESNET Executive Director, and Laurel Elam, Quality Assurance Director, presented a status update on the proposed RESNET Policy on Performance Based Quality Assurance.

Chris McTaggart stated his opinion that market consistency is the most important issue to the members that he serves.

Abe Kruger suggested that all providers have separate vetting processes based on size of the providership.

Draft Policy will be sent to Board Members after vetting with Rating Providers.

### **RESNET 2018 Financial Audit**

David Beam, Chairman of the RESNET Audit Committee, presented the 2018 Financial Audit and Management Letter from Auditor that was sent prior to the meeting. He noted that again this year there were no findings in the audit. He noted that this was exceptional for audits and something the organization should be proud of.

David Beam made a motion to acknowledge that the RESNET Board received the audit. Cy Kilbourn seconded the motion. Motion approved by voice vote.

David Beam stated, in accordance with RESNET Board Policy, the Financial Committee reviewed three proposals from audit companies and voted independently to unanimously contract with a new company. RESNET Staff did not participate in the company selection, David Beam will contact Faye Berriman, RESNET's controller, with the new selection.

### **New International Code Council (ICC) HERS IECC Verification Professional Certification**

Mark Johnson, Senior Vice President of the ICC, presented the new International Code Council (ICC) HERS IECC Verification Professional Certification.

The certificate will be announced at the ICC 2020 Conference that will take place in the following week.

### **Consideration of RESNET Board Executive Committee Proposed 2020 RESNET Budget**

Roy Honican, RESNET Board Treasurer, presented the Proposed 2020 RESNET Budget that was sent prior to the meeting.

Roy Honican made a motion to approve the Operational Budget as follows:

#### **2020 Projected Income**

Rater Provider Quality Assurance Fees	\$1,690,000
RESNET Conference	\$ 450,000
Testing Fees	\$ 240,000
Rater Provider Accreditation Fees	\$ 175,000
Suppliers Advisory Board Memberships	\$ 160,000
All Other Provider Fees	\$ 125,000
Membership Fees	\$ 75,000
RESNET Registry Income	\$ 20,000
Interest Income	\$ 20,000
<b>Total Projected Income</b>	<b>\$2,955,000</b>

## Proposed RESNET 2020 Budget

### Payroll

**\$1,123,000**

- Executive Director – Steve Baden
- Deputy Director – Cardice Howard
- Quality Assurance Administration and Standards Director—Laurel Elam
- Communications Director – Valerie Briggs
- Programs Director – Ryan Meres
- Technical Director, Quality Assurance & Training – Scott Doyle
- Senior Accountant – Faye Berriman
- Quality Assurance Field Specialist—Billy Giblin

### Professional Services

**\$1,166,000**

- RESNET Standard Manager
- Energy Modeling Director
- RESNET Conference and Meeting Coordinator
- Database Manager
- Government Relations
- Hosting, Maintenance and Support of Servers
- Registry Support and Maintenance
- RESNET Web Site Maintenance
- Marketing and Advocacy
- Standards Editor
- Financial Audit
- Human Relations/Payroll Contractor
- Miscellaneous Contractual Support
  - QA Genie
  - RESNET Test Support
  - General Administrative Support

### Travel

**\$ 130,000**

### RESNET Conference \$ 310,000

### Other

**\$ 159,000**

- Amortization & Depreciation
- Bank Credit Card Service Fees
- Computer & Software
- Insurance
- Legal Services
- Meetings
- Miscellaneous Other
  - Dues
  - Licenses
  - Subscriptions
  - Memberships

- Storage
- Office Expense
  - Copying and Printing
  - Postage
  - Supplies
- Telecommunications Services
  - Telephones
  - Internet

**Total Proposed Budget** **\$2,888,000**

Thiel Butner seconded the motion. Motion approved by unanimous voice vote.

Roy Honican, RESNET Board Treasurer, presented the Proposed 2020 Allocations to the Board.

Roy Honican made a motion to allocate \$150,000 for the Development of RESNET Automated Quality Assurance Tool. David Goldstein seconded the motion.

Board discussed the need for the new QA tool and the increased capabilities from QA Genie.

Clayton Morris suggested that the RFP first be developed and sent out so the exact cost could be determined.

David Goldstein suggested a friendly amendment to add language that the board can reconsider after seeing the RFP in Spring 2020. Roy Honican did not accept the proposal as a friendly amendment.

Steve Baden stated that the RESNET database contractor could develop an RFP and the bids could be presented.

Philip Fairey stated that the board should continue with the motion as written and allow RESNET staff to create an RFP with the allocated funds approved.

After further discussion a vote was taken:

<b>YES - 10</b>	<b>NO - 6</b>	<b>ABSTAIN - 1</b>
Jacob Atalla	David Beam	Curt Rich
Dave Bell	Emelie Glitch	
Thiel Butner	Cy Kilbourn	
Philip Fairey	Abe Kruger	
David Goldstein	Chris McTaggart	
Andrew Harris	Clayton Morris	
John Hensley		
Roy Honican		
Mark Johnson		
Paulette McGhie		

Motion carried by majority vote.

Roy Honican made a motion to approve the allocation of \$30,000 to build a building code. Mark Johnson second the motion. Motion passes by unanimous voice vote.

Ryan Miller, NC Building Performance Association, presented a request for \$25,000 from RESNET. With the allocation of funds, NCBPA would match the \$25,000 through other fundraising and sponsorship. The allocation would fund the following:

1. ERI – develop resources to successfully launch ERI programs in North Carolina and make it accessible to others in the RESNET Industry
2. Expanding HERS Ratings in North Carolina – tripling
3. Duke energy program expansion

Curt Rich made a motion to allocate a one-time \$25,000 appropriation to NCBPA to pursue the projects presented: develop resources to successfully launch ERI programs in North Carolina, expanding HERS Ratings in North Carolina, and expanding the Duke Energy program expansion. David Beam seconded the motion.

Chris McTaggart suggested accepting a strategic fund over a certain timeframe so this would have equal opportunity. Curt Rich responded by suggesting using this one-time allocation as a proof of concept and to continue with a structure of RFP.

Roy Honican requested that Curt Rich modify his amendment so an RFP would be required for any grant requests. Curt Rich agreed to the amendment.

Curt Rich made a motion to allocate a one-time appropriation of \$25,000 to NCBPA, for deliverables that will be negotiated with RESNET’s Executive Director in writing; all future grants will require a Request for Funding. David Beam seconded the motion.

<b>YES - 15</b>	<b>NO - 2</b>	<b>ABSTAIN - 1</b>
Jacob Atalla David Beam Thiel Butner Matt Gingrich Emelie Glitch David Goldstein Andrew Harris John Hensley Roy Honican Mark Johnson Cy Kilbourn Abe Kruger Chris McTaggart Clayton Morris Curt Rich	Paulette McGhie Philip Fairey	Dave Bell

Motion passed.

**ENERGY STAR Homes Update**

Jonathan Passe, EPA, provided an update on ENERGY STAR Homes.

### **Washington Update**

Carl Chidlow, RESNET's Washington Representative, presented an update of RESNET's current initiatives in Washington D.C.

### **Water Sense Update**

Jonah Schein, EPA provided an update on Water Sense program and its initiatives with HERS<sub>H2O</sub>.

### **RESNET Suppliers Advisory Board Update**

Curt Rich, Chairman of RESNET Suppliers Advisory Board (SAB), presented on the current initiatives by the SAB.

### **RESNET Emerging Leadership Council Update**

Leo Jansen, Chairman, Emerging Leadership Council presented an update on current initiatives and ELC projects.

### **Leading Raters of America Update**

Dave Bell of TopBuild and John Gillette of Energy Inspectors, Members of Leading Raters of America (LRA), gave an update on the LRA. They presented the organization's support of RESNET and priority on improving the effectiveness and efficiency of RESNET quality assurance process and support of the recent RESNET Board policy. They also stated that the organization is aiming to be a trade association for its members.

### **2020 RESNET Building Performance Conference Update**

Emma Bennett, RESNET Conference Coordinator, provided an update on the 2020 Conference Planning.

### **New Business**

Roy Honican made a motion for staff to draft a new board policy for allocating grants, to be presented at the December board meeting. David Goldstein seconded the motion. Motion passed by unanimous voice vote.

### **Adjournment**

Roy Honican made a motion to adjourn. Meeting adjourned at 5:07 p.m. Eastern.

**Respectfully Submitted,**



Philip Faurey, Secretary