



Setting the Standards for
Home Energy Efficiency



Minutes of the Fall 2015 RESNET Board Meeting
Monday October 19 & Tuesday October 20, 2015
New Orleans, LA

Members Present

Ben Adams
Jacob Atalla
Dave Bell
Steve Byers
Dennis Creech
Brett Dillon
Philip Fairey
David Goldstein
Andy Gordon
Roy Honican
Cardice Howard
Mark Jansen
Lee O'Neal
Frank O'Brien-Bernini
Jim Petersen
Nancy St. Hilaire
Barb Yankie

Members Absent

David Beam (excused)
Kelly Stephens (excused)
Dennis Stroer

Staff Present

Steve Baden
Laurel Elam
Kathy Spigarelli

Monday, October 19, 2015

Call to Order

The meeting was called to order by RESNET Board President Jim Petersen at 8:30 a.m.

Roll Call

The roll was called by RESNET Board Secretary Brett Dillon, and a quorum was present.

Excused absences were accepted for David Beam for an illness in the family and Kelly Stephens who was meeting with the chairman of the House Oversight Committee on RESNET issues.

RESNET Anti-Trust and Conflict of Interest Policies

Kathy Spigarelli distributed the RESNET Anti-Trust and Conflict of Interest Policy. The policies were also given to all members in board packet via email.

Board members were asked to review the conflict of interest policy to see if changes are needed. No needed changes were noted.

Approve Agenda

The agenda changed to start at 8:30 AM on Tuesday October 20th.

Mark Jansen made a motion to approve the meeting agenda as amended. Lee O'Neal seconded the motion. The motion was approved by voice vote.

Approve February 17, 2015 Board Meeting Minutes

Brett Dillon made a motion to approve the minutes of the RESNET Board Meeting on February 17, 2015. Steve Byers seconded the motion. The motion was approved by voice vote.

RESNET Executive Director's Report

Steve Baden delivered the executive director's report discussing where RESNET is heading.

The main initiatives now and for the future are:

- Enhancing the National Consistency of the HERS Index
- Educating Consumers on the HERS Index

- Forging Dynamic Partnerships with the Housing Industry
- Adoption and Implementing Energy Rating Index of 2015 IECC
- Developing RESNET Water Efficiency Rating Index Guidelines

Mr. Baden reported that RESNET has partnered with International Code Council on ANSI standards, training code officials and raters. Factsheets, presentations, a video to educate code officials on the Energy Ratings Index as well as a uniform compliance report have already been developed.

Mr. Baden ended the report stating what the HERS industry needs to succeed-

- Think big and redefine services offered
- Move from commodity based to solution based enterprise (move from price based HERS Ratings to providing solutions to builders and consumers)

Lexington Home Builders Association: A Case Study of HBA and HERS Index & RESNET's New Frontier: Rural America

Roy Honican presented the Home Builders Association of Lexington's Energy Smart Builder Program where every builder member of the association committed to having their homes' HERS rated and having a joint annual conference with RESNET.

Mr. Honican also presented on the Touchstone Energy Cooperative and the Together We Save program.

Touchstone Energy-

- Located in 80% of the nation's counties
- Largest electric utility network in the nation
- Serves 75% of the U.S. land mass
- 752 local systems in 46 states
- 32 million members-owners
- Owns \$113 billion in generation, transmission and distribution assets
- Distributes power over 2 million miles of line

The TogetherWeSave Energy Smart existing home program has thresholds for air leakage, duct leakage and a HERS Index of below 90.

On October 14, 2015, RESNET entered into a partnership with Touchstone Energy Cooperative to link the organization's Energy Advisors Training with the RESNET HERS Ratings. Elements of the agreement includes:

- Touchstone Energy Cooperatives' Level 3 Energy Advisors being trained and certified as RESNET Rating Field Inspectors.
- Touchstone Energy will develop, with the assistance of RESNET, a training program that will lead to Touchstone Energy member cooperatives staff that are also being certified as RESNET Rating Field Inspectors.

- The training will include inspecting the minimum rated features identified by RESNET standards and conducting air and duct leakage testing.
- This, in addition to providing member cooperative members with an energy audit, will provide all the information needed to produce a RESNET HERS Rating.
- This would create a career path for Energy Advisors to be able to increase their skills and become certified RESNET HERS Raters.

Touchstone Energy and RESNET will coordinate to establish a network of certified RESNET HERS Raters who can take the data collected by the level 3 energy advisors and produce HERS Ratings. Touchstone Energy and RESNET will develop a seamless system by which the data collected by a Level 3 Energy Advisor can be fed to a targeted HERS Rater and produce a HERS Rating. This would provide an infrastructure for every participating cooperative to be able to cost- effectively produce HERS Ratings.

Adoption of RESNET 2016 Priorities

Steve Baden presented the following proposed 2016 RESNET Priorities (Attachment C)

- Ensure the National Consistency of HERS Index Scores
- Work with the Building Industry, Code Advocates, Rating Industry and Local Code Jurisdictions to Adopt and Implement Energy Rating Index Option in the 2015 International Conservation Code
- Through Dynamic Partnerships with the Housing Industry, Product Suppliers, Utilities and Code Officials Increase the Penetration of the RESNET HERS Index in the Housing Market
- Develop RESNET Water Efficiency Rating Index for Homes
- Advocate for Policy and Legislation to Foster the Financing of the Improved Energy Performance of Homes
- Expand RESNET's Services to Rural America

Andy Gordon made a motion to adopt the 2016 RESNET Priorities. Mark Jansen seconded the motion. The motion was approved by voice vote.

Consideration of RESNET 2016 Budget Request

Projected Costs of Implementing New Quality Assurance Procedures

Kathy Spigarelli reviewed the projected costs of implementing the new quality assurance procedures that were adopted by the RESNET Board. Ms. Spigarelli also noted that there was seed money appropriated in the 2014 RESNET asset budget for 2015 quality assurance activities and tasks.

The proposed budget would be \$375,000 over the normal operating budget and cover:

- Quality assurance management
- Manage consumer and compliance complaints
- Establish and manage an electronic QA data management system
- Training and certifying Quality Agents
- Development and Implementation of "virtual" QA Field reviews
- Develop and Implement QA Pilot Project
- Management of independent QA Contractors and Quality Agents
- Rating Quality Assurance Provider in-person training Upgrade to RESNET Registry for enhanced Quality Assurance

Proposed Accreditation Provider Quality Assurance Surcharge

Kathy Spigarelli reviewed the proposed accreditation provider quality assurance surcharge. The proposal was that beginning in 2016 an additional \$2.50 per rating be assessed. This would result in an additional flow of \$375,000 (estimated 150,000 homes in 2016 X \$2.50= \$375,000)

David Goldstein made a motion to approve the staff recommendation for the \$2.50 surcharge per rating. Philip Fairey seconded the motion.

Ben Adams made a friendly amendment to direct staff to track budget separately and carefully track how each item is spent per line item. David Goldstein and Philip Fairey accepted friendly amendment.

Discussion ensued. In the discussion it was noted that future continuation of the surcharge would have to be approved by the board as part of the annual operating budget request.

Motion passed by voice vote unanimously.

Approval of traditional RESNET 2016 Budget

RESNET Board Treasurer Lee O'Neal propose the following 2016 budget request:

2016 Projected Income

RESNET Conference \$550,000
Accreditation Fees \$520,000
Suppliers Advisory Board Memberships \$200,000
Membership Fees \$120,000
Testing Fees \$115,000
Grants and Contracts \$ 60,000
Interest Income \$ 12,000
Total Projected Income \$1,577,000

Proposed RESNET 2016 Budget

Payroll \$545,000.

- Executive Director – Steve Baden
- Deputy Director – Kathy Spigarelli
- Accreditation Manager – Stephanie DeZee
- Accountant – Faye Berriman

Professional Services \$474,000

- Server Maintenance & Registry Support
- Government Relations
- RESNET Web Site Maintenance
- Marketing and Media Relations
- Database Management
- ANSI Standard Manager
- Misc. Contractual Support – TBD if needed

Travel \$ 90,000

RESNET Conference \$260,000

Other \$126,000

- Credit Card Service Fees (\$52,000)
- Copying & Printing (\$2,000)
- Insurance (\$8,000)
- Internet Services (\$3,000)
- Legal Services (\$12,000)
- Meetings (\$12,000)
- Misc. (\$8,000)
- Postage (\$2,000)
- Software (\$3,000)
- Telephone (\$12,000)
- Amortization & Depreciation (\$2,000)
- Scholarships (\$10,000)

Supplies \$ 5,000

Total Proposed Budget \$1,500,000

Philip Fairey made a motion to approve the 2016 RESNET Budget Request. Roy Honican seconded the motion. Motion passed unanimously.

The income and budget authorization for enhanced quality assurance would be rolled into the operating budget approved with tracking and reporting separated.

RESNET Suppliers Advisory Board Report

Frank O'Brian-Bernini presented an update on the RESNET Suppliers Advisory Board. He encouraged board members to attend the group's next meeting the Sunday before the board meeting at the 2016 RESNET Conference.

There are 20 founding suppliers board member members with a good mix of suppliers. The priorities set in 2015 were all accomplished.

The working committees of the suppliers advisory board are-

1. Public Policy
Co-Chair(s): Ian Hughes of Covestro and Jay Murdoch of Owens Corning
2. Brand/Marketing/Social Media
Chair: DeAnna Starn of Owens Corning
3. Training/Certification for Supplier Employees
Chair: Laura Dwyer of DuPont
4. Tactics and Tools for HERS Raters
Chair: J.R. Babineau of Johns Manville

Mr. O'Brian-Bernini showed all committee group members, their 2015 focus areas and the status/progress of their work as well as any issues/opportunities.

Key take-aways include exceeding one year goal membership, establishing valuable role for suppliers in RESNET and launching working groups.

Improvements needed are in administrative/effectiveness, communications, engagement/value and seamless integration

It was suggested that a Board member or staff member could work with each committee.

Update on RESNET Water Efficiency Rating Index

Jacob Atalla reported on the RESNET Water Efficiency Rating Index.

Key objectives of the Water Efficiency Rating (WER) Index are-

- Nationwide applicability
- Suitable for both new and existing homes
- Encompasses both indoor and outdoor,
- Practical and affordable to administer
- Scores usable for quantitative comparison

Key attributes of the Water Efficiency Rating (WER) Index are-

- Compares a rated home to a reference home of comparable size
- Reference home has fixed attributes typical of the recent past
- Ref home score=100, lower is better

- Software assists in tallying the incremental difference in water consumption resulting from specific features of the home

There were 75 members of the WER Advisory Council. The WER Index task force became the technical committee with 13 members and the co-chairs are Jacob Atala, Ed Osann and Jonah Schein.

Several WER Index Task Force technical committees were formed including-

- Modeling & Development of Reference Home
- Indoor Water Use
- Outdoor Water Use
- Rating Inspection & Test Procedures
- Rater Training & Qualification Requirements

The interim standard may not be completed by the December 31st goal but the task force committees are working to get the interim standard done as soon as possible.

Washington Update

Carl Chidlow provided an update on developments in Washington.

45L New Homes Tax Credit which now S. 2089 is believed to be retroactively renewed for 2015 and extended into 2016. 45L starts with a \$1,500 credit and increases by \$100 for every 5 percentage points by which the efficiency ratio for the qualified residence is certified to be greater than 25 percent. There are concerns over the language that allows for “qualification of Computer software” to also be determined “...at the discretion of the Secretary”.

Mr. Chidlow and Board Member David Goldstein met with Bobby Andreas, Democratic staff on the Senate Finance Committee as well as staff for Rep. Pat Tiberi, who is a sub-committee chair on the House Ways and Means Committee. Mr. Goldstein was also able to discuss the historical position of RESNET as the 3rd party verification system of the existing credit and why that was enacted in 2005. They made the case that RESNET should continue to be the 3rd party verification system since it has proven to work up till now, and the IRS regulations would not need to be changed.

Carl warned the RESNET Board that RESNET could expect more moves to have the U.S. Department of Energy replace the HERS Index with the Home Energy Score.

RESNET Quality Insulation Installer Pilot Program

Cardice Howard presented on the national quality insulation installer pilot program. Tool was developed to help train the installers in the field where they learn best. She reviewed each aspect of the program including the dashboard, clipboard as well as the mentor and installer portals and protocols.

Insulate America is currently doing a call for more insulation companies to do the pilot program and Garland Insulation will serve as mentor for the program.

Comparison of HERS Index and Home Energy Score

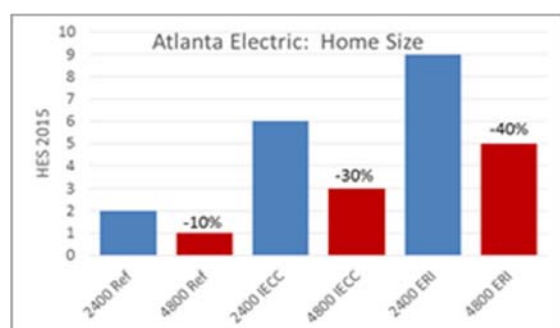
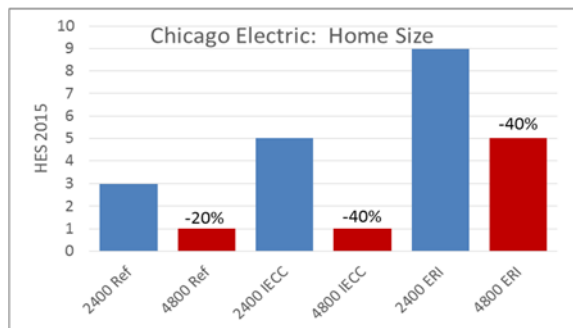
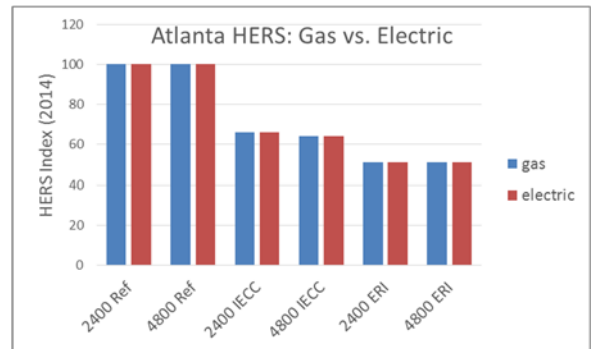
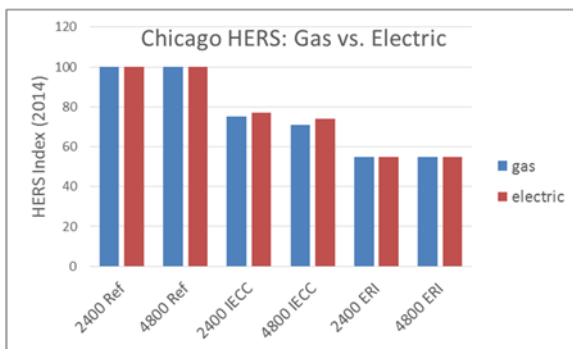
Philip Fairey presented his analysis on comparison of the Home Energy Score and the HERS Index.

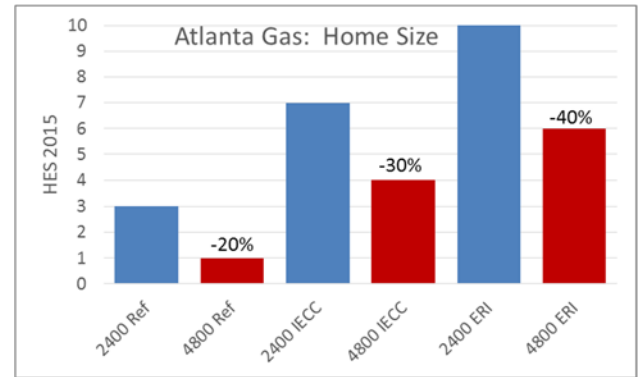
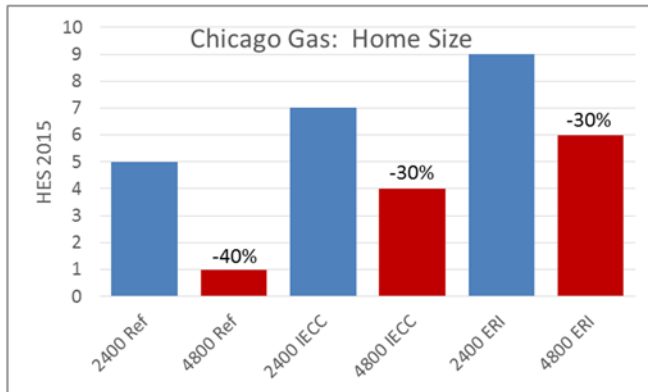
The Home Energy Score

- Score scale of 1-10 with 10 being most efficient home
- Score determined based on projected source energy use “bins” for each of 1000+ cities
- Not based on comparison with a reference home
- Not based on any national model building code like IECC.

Conducted a two-city analysis

- Chicago (O’Hare) and Atlanta (Hartsfield) TMY3 weather sites
- HES score “bins” provided by DOE
- Energy simulations using EnergyGauge v.5
 - HERS Reference Homes
 - IECC 2012 Homes
 - IECC 2015 ERI Homes
- Two home sizes: 2,400sf, 3-br & 4,800sf, 3-br
- Two fuel types: All electric and mixed-fuel (gas space and water heating).

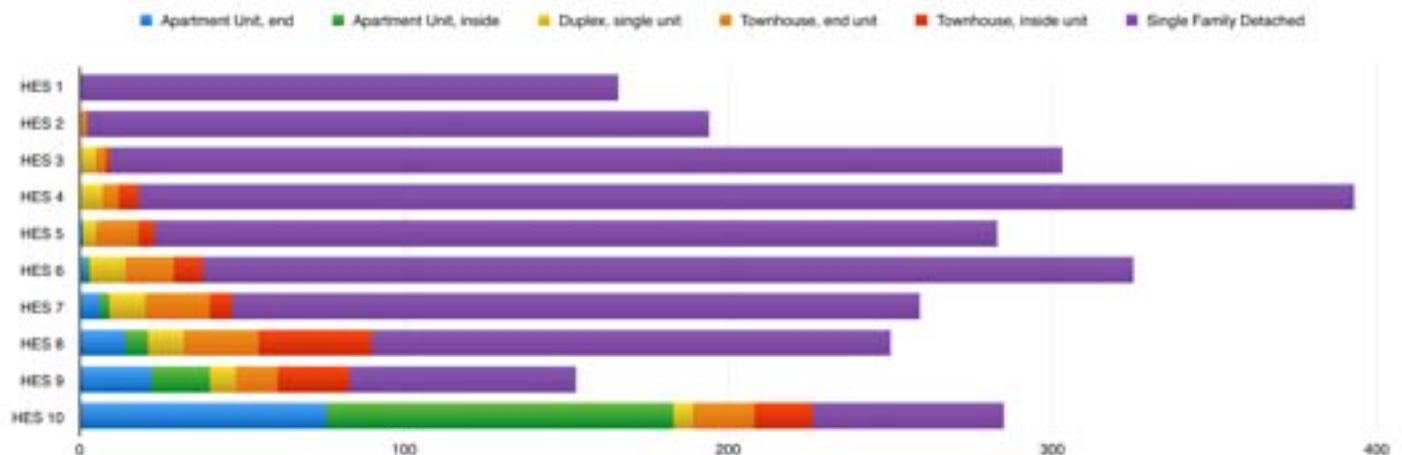




Brett Dillon presented analysis of a sample set of 2,621 homes from across the country and found that there is zero correlation between the HERS Index and the Home Energy Score ranges. The 285 homes (out of the 2,621 home sample set) that scored a “10” on the HES scale had HERS Index scores that ranged from 7 to 86. The 166 homes that scored a “1” on the HES scale had HERS Index scores that ranged from 49 to 177.

He found there is zero connection between energy code compliance and the Home Energy Score. Of the 285 homes that scored a “10” on the HES scale, 31% failed the 2009 International Energy Conservation Code (IECC) envelope requirements (UA compliance) and 27% failed the 2009 IECC cost compliance method. Nearly a third of the homes that scored a “10” cost more to operate than a home constructed to the minimum standards of the 2009 energy code.

One of the unexpected discoveries of the analysis was the distribution of housing types across the HES scale. Most of the homes in the sample that scored a “10” were multifamily units such as apartments, condos, and townhouses.



The meeting went into recess until Tuesday, October 20.

Tuesday, October 20, 2015

Call to Order

The meeting was called back to order by RESNET Board President Jim Petersen at 8:30 AM. A quorum of the board was present.

Technical Basis of HERS Index – Brett Dillon and Philip Fairey

Philip Fairey presented the technical basis of the HERS Index and provided a comprehensive understanding of exactly how the HERS Index is calculated and why it is calculated in this way.

An Index is computed with respect to a Reference metric, such that an Actual metric value is divided by a Reference metric value and multiplied by 100

$$\text{Index} = (\text{value}_{\text{Act}} / \text{value}_{\text{Ref}}) * 100$$

The term $(\text{value}_{\text{Act}} / \text{value}_{\text{Ref}})$ is often referred to as the “scoring fraction” of the index. Thus, an index represents the Actual’s percentage of the reference

There are two distinct types of “fuels” used in homes – electricity & fossil fuels. As a result, there is contention regarding the metric used to count home energy use

- Site energy consumption
- Source (or primary) energy consumption
- Energy cost (or some representative of cost like TDV)

All of these metrics are problematic when the Reference home fuel type is required to be the same as the Actual home fuel type (as in IECC Codes & HERS).

The issue is because the reference water heater COPs are different, the energy consumption of the gas water heater and the electric water heater are also different

For site energy: EC is 9.12 MBtu larger for gas

For source energy: EC is 23.81 MBtu smaller for gas

The issue is purely mathematical: Take any scoring fraction (say $\frac{3}{4}$) and then add the same quantity (say 1 for this example) to both the numerator and the denominator

Result: you obtain a significantly different Index:

$$\frac{3}{4} * 100 = 75$$

$$\frac{4}{5} * 100 = 80$$

The solution is MEUL = Modified End Use Loads

Principles:

- End Use Loads are agnostic to fuel type
- Therefore, Reference End Use Loads (REUL) do not change as a function of fuel type
- MEUL is a means of modifying the end use’s Actual Energy Consumption (E_{Act}) such that it is directly comparable to REUL as follows:
- $\text{MEUL} = \text{REUL} * (\text{E}_{\text{Act}} / \text{E}_{\text{Ref}})$

Modified End Use Loads emphasize end use load efficiencies by using reference end use loads rather than reference energy consumption as the denominator of the scoring fraction

Modified End Use Loads for natural gas equipment are normalized to be relative to the Modified End Use Loads for electric equipment

Normalization is linear between the Reference equipment efficiency and the best available equipment efficiency (circa 2006)

Why should you normalize? For any given EUL, the difference in efficiency between the reference equipment and the best available equipment can result in a significantly unequal percentage EC change across fuel types. Using normalized energy consumption (nEC) results in an equal percentage EC change across fuel types.

Brett Dillon presented calculation options along with stakeholder groups. The calculations subcommittee is currently evaluating these options and will be sending an analysis to the board of directors.

Consistency of Calculation of HERS Index Scores

The RESNET Board previously held a teleconference on the issue of the consistency of RESNET HERS Software programs in calculating a HERS Index Score. This issue was presented to RESNET by the national production builders. While the board did not come to consensus on what path to take, there was a consensus that the present situation is not acceptable.

At the board meeting Dave Roberts presented what DOE is funding NREL to insert the Building America data into EnergyPlus. Mr. Roberts offered to use this process and that with RESNET funding NREL could produce an API for calculating the HERS Index Score. The API would be public access which means any program use the API for producing HERS Index Scores without the prior approval of RESNET.

The RESNET Executive Committee met recently to consider this issue.

The executive committee felt that the NREL option is not really viable. First, it is not clear that it would be in the best interest of RESNET to be dependent on the DOE at this time. The executive committee was also concerned with the HERS Index calculation API being public access.

The committee unanimously voted the following recommendations to the RESNET Board to be considered at the Fall 2016 meeting in New Orleans:

- RESNET adopt policy that all HERS software programs must use EnergyPlus for calculating loads. EnergyPlus was developed and supported by DOE but is public access so anyone can use. EnergyPlus is also an hourly simulation

program. The calculation that is currently used by all HERS Software programs except REM/Rate is DOE II. DOE II is no longer support by DOE.

- RESNET contract with firm to develop API and HERS Index Calculator for calculating
- HERS Index Scores that all software programs must use
- RESNET contract with Rob Salcido to develop the RFP and manage the contractor's work
- RESNET Board direct SDC 300 to write necessary standard amendment that would go into effect on January 1, 2017

Mark Jansen made a motion to accept the four recommendations of the executive committee. Andy Gordon seconded the motion.

Friendly amendment #1-

- Develop Standard for a timeline on adding new technologies to software
- Require software to be based on hourly calculations
- Develop new reference results for ASHRAE standard 140 loads test suite
- Develop open source interpretation layer for RESNET accredited software

Mark Jansen and Andy Gordon accepted the friendly amendment.

Friendly Amendment #2

- Delete item #2 developing API

Mark Jansen and Andy Gordon accepted the friendly amendment.

Friendly Amendment #3

- RESNET contract with Rob Salcido to manage the process

Mark Jansen and Andy Gordon accepted the friendly amendment.

Friendly Amendment #4

- RESNET Board requests timeline from HERS software programs for implementation of RESNET policies and standards.

Mark Jansen and Andy Gordon accepted the friendly amendment.

Vote on motion as modified. Motion approved

It was agreed to modify budget request to include the work on this item.

David Goldstein made a motion for a two year additional \$1 surcharge per rating to fund the asset budget on the consistency of HERS software programs calculating HERS Index Scores and direct staff to track budget separately and carefully track how it is spent per line item.

Brett Dillon made a friendly amendment for \$.50 spread over four years.

Jacob Atalla seconded motion.

David Goldstein and Jacob Atalla accepted the friendly amendment

Steve Byers made a friendly amendment to have \$1 surcharge for the first year and \$.50 surcharge for two following years.

9 in favor, 3 against, 3 abstain

The board found that clear communication to providers on this surcharge is needed. Steve Baden committed to draft a communication to providers and have board members to vet before being released.

RESNET Executive Committee Policy on PV Systems that are Leased

RESNET staff has received a number of requests from HERS Raters and Rating Quality Assurance Providers on how PV systems that are leased should be treated in HERS Ratings.

RESNET Board President Jim Petersen and Philip Fairey discuss the issue and agreed to the following proposed policy:

It shall be the policy of RESNET that the net power production of on-site power production shall be considered non-purchased energy regardless of the ownership of the on-site power production system.

On August 11, 2015 the RESNET Executive Committee unanimously voted to adopt the policy.

Section 4.02 of Article IV of the RESNET By-Laws gives the RESNET Executive Committee the authority to adopt policies for the organization. The section states:

Section 4.02. Authority of Executive Committee. The Executive Committee shall possess and may exercise all the powers granted to the Board of Directors, except the power to amend the Articles of Incorporation or Bylaws, approve amendments to the RESNET Standards, approve the annual operating budget, and to in-debt the Corporation in an amount above \$5,000.00. Any decision made by the Executive Committee can be overturned by a majority vote of the full Board of Directors at a regularly scheduled or special Board meeting.

Frank O'Brien-Bernini opposed the decision made the by executive committee.

He proposed that if PV system on the house is not tied into the mortgage it should be a separately rated asset. The home would have an envelope rating and an asset rating on the PV system and be added together.

Discussion ensued.

Frank O'Brien-Bernini made a motion that the board of directors review and modify the policy of the executive committee to assure that the contribution of onsite power generation to RESNET HERS index score is communicated properly.

For discussions purposes Brett Dillon second the motion

Discussion ensued.

A vote of the board took place which resulted in: 1 in favor, 10 against, 4 abstentions. The motion failed.

A subcommittee of board of directions will work on communication and guidance to raters on executive committee policy onsite power generation. Steve Baden will send out call for volunteers for subcommittee.

Update on Strategic Planning

Brett Dillon presented an update of the strategic planning committee.

Committee Members:

Jacob Atalla, Production Builders
David Beam, Contractors
Brett Dillon, HERS Industry
David Goldstein, Associate Members
Frank O'Brien-Bernini, Suppliers
Kelly Stephens, Custom Builders

Work completed in 2015 was:

- Produced concise statements from SWOT Process
- Created Aspirational Statement With Supporting Paragraphs
- Reviewed Strategic Questions

Where will we play? This choice identifies specifically where the product or company will compete. Graphic created

How will we win? This question must be answered with a clear value proposition and a path to competitive advantage.

“RESNET has a credible HERS Index Scale that allows consumers to compare similar homes and conclude which home is more efficient. RESNET facilitates the ease with which our stakeholders do business with each other.”

Due to the issue of the attempt to replace HERS with the Home Energy Score with FHA energy efficient mortgages, the committee has changed its focus for the near future on a compare/contrast campaign on HERS and the Home Energy Score. The effort will not be aimed at any individual or agency but rather focus on educating on the differences between HERS and the Home Energy Score.

Update on HERS Harmonization Between California and RESNET

Jacob Atalla and Philip Fairey gave an update on the harmonization between California and RESNET.

1. CEC's Andrew McAllister address at 2015 RESNET Conf; session at Conf; followed by monthly calls
2. Itemized areas of differences
 - a. Envelope (walls, windows, HVAC)
 - b. Code references (2006 IECC vs 2008 T-24)
 - c. Impact of field verification
 - d. Reference house
 - e. CA's TDV vs. RESNET Energy Valuation Metric
 - f. Weather files
3. Established study plan to determine energy use on scores:
 - a. Use 2006 IECC as base code house
 - b. Use CEC 2100 square foot reference house
 - c. Variables for CEC (Martha Brook) and RESNET (Philip Fairey) to analyze
 - i. Weather files
 - ii. Installation of envelope (good / poor)
 - iii. Installation of HVAC (good / poor)
 - iv. Installation of DWH (good / poor)
 - d. Data completed for November conference call

RESNET - Appraisal Institute Agreement

Steve Baden presented the Appraisal Institute Agreement.

February, 2015 Appraisal Institute Board President Lance Coyle presented to Annual RESNET Board Meeting. Steve Baden and Kathy Spigarelli met with Appraisal Institute senior staff and board in Chicago in May, 2015 and agreed to common points of agreement. Steve Baden negotiated with Appraisal Institute the points of agreement.

Areas of Appraisal Institute/RESNET Agreement:

- Appraisers being able to access data from RESNET Registry of rated homes
- Explore feasibility of joint analysis to determine if there is a correlation between HERS Index Scores and market appraised value
- Join education effort targeted to appraisers, raters and builders on the HERS Index, its benefits and how to work together

Data Points Appraisal Institute Interested in Having Appraisers Access are:

- The ability to search by address or zip code
- The ability to search within a specific timeframe
- HERS index score (with date scored)
- Year of Construction and Inspection date of HERS rating
- Dollar amount of estimated energy costs & savings

One additional item of the agreement is that appraisers can consider preliminary ratings of homes builders have not constructed yet but preliminary rating has been conducted. This creates a need for the RESNET Registry to collect preliminary ratings.

2016 Conference Update

Laurel Elam presented the 2016 RESNET Conference update.

The 2016 conference is right on track as compared to last year's conference:

- 36 Exhibitors up from 34 at this time last year
- \$85,500 in sponsorship funds committed compared to \$84,000 at this time last year
- 67 attendees registered compared to only 45 this time last year

The conference's hotel lobby, pool and sleeping rooms just got renovated

2016 conference sessions will be posted very soon

Mark Janson made a motion to adjourn. Meeting adjourned at 3:00 PM