

# RESNET QA App... Gotta Love It!!!

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*Energy Efficient Homes Midwest*

Tony Forte

*Southern Energy Management*

Billy Giblin

*RESNET*





# Presenters



**Leo Jansen**

*Owner / Primary Quality Assurance Designee*

- 3<sup>rd</sup> Party Rating Provider Managing Over 13,000 Ratings Annually
- RESNET Board Member Provider Representative
- Voting member of SDC 900 and SDC 1600
- Chair of the RESNET QA Checklist Staff Advisory Committee



**Tony Forte**

*Primary Quality Assurance Designee*

- Leads SEM's QA team and has worked to adopt and implement the app into their QA processes.



**Billy Giblin**

*Quality Assurance Field Specialist*

- Works with Providers and QADs to improve the consistency and accuracy of HERS Ratings.





# Why an App?



## Efficiency

- Save Time
- No Spreadsheets



## Consistency

- Objectivity
- Checklist Item Instructions



## Real-Time QA Tracking

- Tracking of Improvement
- Areas for Training



## Data Collection

- Searchable Database of Checklist Items to Track Trends  
Nationally/Individually

# We're All Too Busy, and...

It is time.

- Draft PDS-01 MINHERS Addendum 75, Update Chapter 9 QA
  - 903.1.2 AND 904.3.2
- On track to be **REQUIRED** by July 1, 2025
- Start **NOW**
- 2025 Annual QA Report will be **SO** much easier
  
- 43 Providers - have submitted QA Reviews via RESNET QA app as of last Friday 1/24/25



A stack of four 3D rectangular blocks in red, blue, purple, and green, each with the word 'BENEFIT' written on its side. The blocks are arranged in a descending staircase pattern from top-left to bottom-right. A large white diagonal line crosses the image from the top-left to the bottom-right, passing behind the blocks. The word 'Benefits' is written in a bold, dark blue font on a light gray diamond-shaped background that overlaps the diagonal line.

# Benefits



## QA Dashboard

- QADs + Admin Access



Quarterly Review by RESNET Staff to Track Providers' QA



Annual QA Report will become obsolete and unnecessary

# SEM - QA App Implementation



Determining factors for utilizing the QA app as an early adopter:



## **Simplicity**

Move away from the physical checklist –  
Looking at tiles instead of spreadsheet  
columns



## **Accuracy**


App walks you through the QA – reminds you if  
you missed something.



## **Speed**

QA app shines in Field QA applications





# SEM – QA app Experience



## Development Input

Worked with Billy G and App Developers on some practical app modifications



## File and Field QA trial runs

Getting used to the feel and process for various QA types. HVAC Grading



## QA training

Make sure all QADs are comfortable with the app. Are we scoring the same.



## Feedback

To rater of record and RFIs if applicable

# RESNET QA Review Checklist Staff Advisory Committee (SAC)



QA Review Checklist was adopted in the standards by Addendum 30. The QA Review Checklist is developed and maintained by RESNET Staff

- In 2020, RESNET formed the QA Review Checklist Staff Advisory Committee to solicit feedback from volunteer participants (QADs) to improve the QA Review Checklist
- Industry participants can submit suggested changes to the QA Review Checklist directly to RESNET Staff
- Approved edits will be incorporated into the RESNET QA App and API functionality





API

# Why go API?



## Continuous process improvement

This concept is central to who we are as a Provider. The app can only be developed so far based off cost and different use cases = minimum viable product.



## Consistent Output

Enabled us to ensure that multiple QADs are providing consistent feedback to our Raters.



## Works with our business model

As a 3<sup>rd</sup> Party Provider, our proactive QA model relies on having a centralized and consistent process for performing QA on different Rater's business models

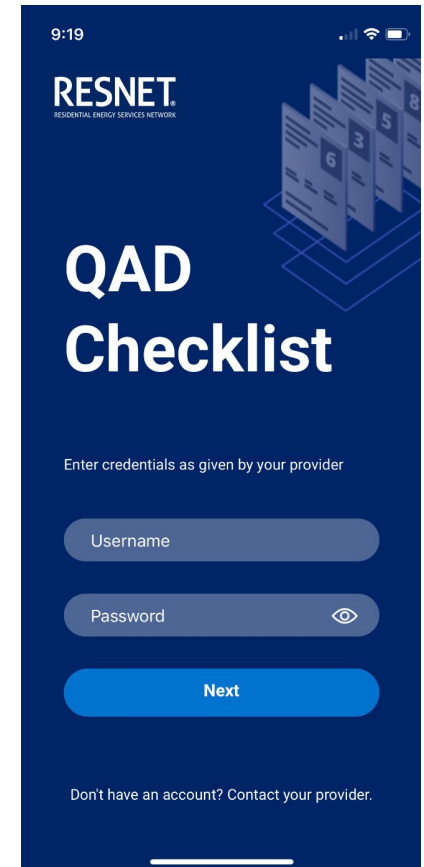


## Process Efficiencies

Using the API has allowed us to completely redesign our QA process and create a seamless workflow for our QA.

# Future Updates!

- Q1- Previous Year QA
  - *“Date Reviewed”* – backdate to previous year
- Cloud Syncing - *In-Progress/Alert* QA Reviews
  - Save when you log out
- Multiple Field Verifiers (Primary gets credit)
  - Who did what when
  - v3 Registry Schema
    - then Standards and Software
- QA Review Summary Email
  - Emphasize Errors and Comments



# Integration of EEP QA Checklists

We will be integrating all the recent versions of the EEP QA Checklists in 2025.

- Will allow for “one stop shop” for QA
- Will support initiatives outlined in new HCO Certification System requirements
- Will allow for much more transparent QA with national programs





# App ACCESS

iPhones: [App Store](#)  
PRIVATE LINK

Android: [Google Play](#)  
PUBLIC

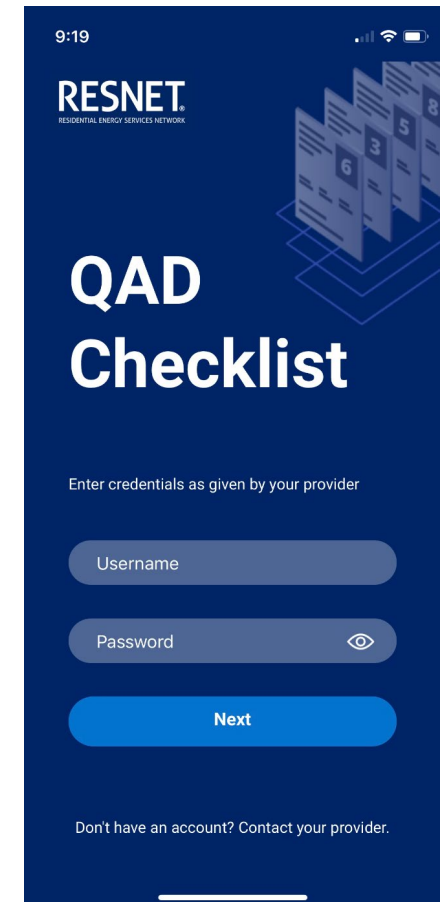
Web App:  
<https://qa.resnet.us>

- Future app updates will be automatic.



# Resources

- Quarterly QAD Webinars – 2023 & 2024
- Technical support/questions for RESNET QA app
  - Complete form at:
  - <https://www.resnet.us/resnet-qa-app-support/>



The image shows a mobile app interface for the RESNET QAD Checklist. At the top, the time is 9:19 and the status bar shows signal strength, Wi-Fi, and battery. The RESNET logo (RESIDENTIAL ENERGY SERVICES NETWORK) is in the top left. The title "QAD Checklist" is prominently displayed in white on a dark blue background. Below the title, there is a prompt: "Enter credentials as given by your provider". There are two input fields: "Username" and "Password" (with an eye icon for visibility). A blue "Next" button is positioned below the password field. At the bottom, there is a link: "Don't have an account? Contact your provider." The background of the app screen features a graphic of overlapping documents with numbers 6, 3, 5, and 8.

# QUESTIONS & DISCUSSION

**THANK YOU!**

<https://www.resnet.us/resnet-qa-app-support/>

**[billy@resnet.us](mailto:billy@resnet.us)**



# Ekotrope's QA Track



# What is Ekotrope's QA Track?

- Adds the QA Checklists into the energy model
- Enables sharing QA results and status with QAD, Rater, RFIs, and Energy Modelers
- Calculates File and Field QA Quotas for all HERS Raters and Field Raters
- Can automatically select projects for File QA
  - For 3rd Party Providers it can block raters from uploading directly to RESNET Registry if a project has been automatically selected for File QA
- Coming February 2025 - directly submit all QA records to RESNET Registry

Used By:



Energy Rated  
Homes of Utah



Earth Advantage



# Complete the QA Checklist in your energy modeling software

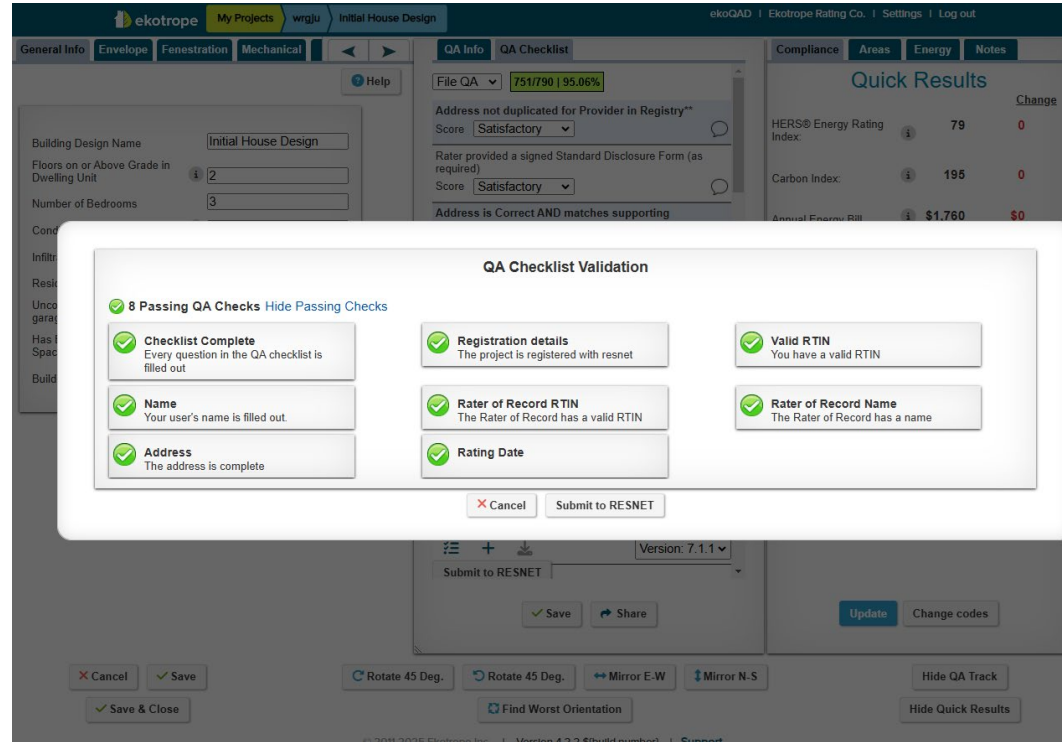
1. All QA Checklist types are supported
2. Can leave notes on each item
3. Can share the results and status with all users on the energy model via email
4. Can save all project documentation in the energy model (AHRIs, Architectural Plans, inspection reports, etc)

The screenshot displays the Ekotrope software interface. The main window shows a project titled "WAWAK - ARCOLA CEN" with various input fields for building details. A "QA Info" panel is open, showing a score of 751/790 (95.06%) and a "Satisfactory" status. The panel lists several items with their scores and status, including "Number of bedrooms\*\*", "Conditioned Floor Area", "Infiltration Volume", "Slabs", "Framed Floors", "Foundation Walls", "Foundation Type(s)", and "Above Grade Walls". A "Quick Results" panel on the right shows a list of compliance items with their scores and status, such as "RS® Energy Rating", "ton Index", "ual Energy Bill", "RS", "RS H2O (Beta)", "ERGY STAR v3.1", "ERGY STAR v3", "ERGY STAR MF v1.2", "ERGY STAR MF v1.0", "HRAE 62.2 2010", "C 2021 Prescriptive", "IE Zero Energy Ready MF V2", and "loor Air Plus". The interface includes navigation tabs for "General Info", "Envelope", "Fenestration", "Mechanical", "Water", "Lighting & Appliances", "Infiltration", and "Onsite Generation".



# (Coming Soon) Submit QA Checklists in Ekotrope

1. Submit QA Checklists directly to RESNET from Ekotrope
2. Verify you have all the information you need in order to submit
3. Keep track of which checklists have been submitted



# View dashboard and automatically select projects

1. View the QA quotas for all of the Raters, RFIS, and Energy Modelers in your organization
2. Press a button and automatically select random projects for QA

The screenshot displays the Ekotrope web application interface. The browser address bar shows 'app.ekotrope.com/#qatrac'. The user is logged in as 'david | R'. The dashboard features a navigation menu with 'My Projects', 'Component Library', and 'QA Track'. The main content area is titled 'HERS QA in Year 2024' and includes a 'Refresh Data' button set to 'Year 2024' and an 'Auto-Select QA' button set to 'Year 2025'. The table below provides a detailed breakdown of QA requirements and completion status for various projects.

Name	RTN	File Eligible Projects	File QA Selected	File QA Completed	Registered File QA Completed	Field Eligible Projects	Field QA Selected	Field QA Completed	Registered Field QA Completed
1		2013	103/202	103/103	103/202	2013	0/21	0/0	0/21
1		1395	102/140	102/102	102/140	1528	0/16	0/0	0/16
1		665	19/67	19/19	19/67	956	1/10	1/1	1/10
1		636	27/64	27/27	27/64	1050	0/11	0/0	0/11
1		554	24/56	24/24	24/56	732	0/8	0/0	0/8
1		545	19/55	19/19	19/55	750	1/8	1/1	1/8
1		528	30/53	30/30	30/53	867	1/9	1/1	1/9
1		511	30/52	30/30	30/52	730	1/8	1/1	1/8
1		507	28/51	28/28	28/51	820	0/9	0/0	0/9
1		495	107/50	105/107	105/50	496	0/5	0/0	0/5
1		492	17/50	16/17	16/50	747	1/8	1/1	1/8
1		471	17/48	17/17	17/48	687	1/7	1/1	1/7
1		467	19/47	19/19	19/47	747	1/8	1/1	1/8
1		457	9/46	9/9	9/46	780	0/8	0/0	0/8
1		457	10/46	10/10	10/46	818	1/9	1/1	1/9
1		445	8/45	8/8	8/45	636	1/7	1/1	1/7
1		444	9/45	9/9	9/45	545	0/6	0/0	0/6
1		436	9/44	9/9	9/44	540	0/6	0/0	0/6
1		428	23/43	23/23	23/43	565	0/6	0/0	0/6
1		421	9/43	9/9	9/43	657	0/7	0/0	0/7
1		414	25/42	25/25	25/42	581	2/6	2/2	2/6
1		403	16/41	16/16	16/41	685	0/7	0/0	0/7
1		383	12/39	12/12	12/39	541	1/6	1/1	1/6
1		383	22/39	22/22	22/39	550	0/6	0/0	0/6
1		380	17/38	17/17	17/38	504	0/7	0/0	0/7
		Total: 30074	1250 of 3072 Required	1245 of 1250 Selected	1245 of 3072 Required	Total: 53199	20 of 630 Required	20 of 20 Selected	20 of 630 Required

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