DOCKETED	
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Project Title:	2028 Energy Code Pre-Rulemaking.
TN #:	267719
Document Title:	Travis Wade Comments - Peak Cooling Metric Revision
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Organization:	Travis Wade
Submitter Role:	Public
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Comment Received From: Travis Wade

Submitted On: 11/24/2025 Docket Number: 25-BSTD-03

# **Peak Cooling Metric Revision**

Additional submitted attachment is included below.

Travis Wade
Wade Energy
1942 Lind Dr.
Pleasant Hill, CA 94523
<u>travis@wadeenergy.com</u>
(925) 203-5686 x 1

November 24, 2025

California Energy Commission
Efficiency Division – Residential Building Standards
715 P Street
Sacramento, CA 95814

Subject: Recommended Revisions to the Peak Cooling Metric in CBECC-Res 2025 v2.0 Dear Efficiency Division Team,

# **Executive Summary**

With the release of CBECC-Res 2025 v2.0, our office has re-modeled multiple current and prior residential projects to evaluate the implications of the new Peak Cooling (PC) compliance metric. In several climate zones, projects that comply with existing performance metrics (including LSCe, LSCt, and Source Energy) fail Peak Cooling by material margins. This indicates that PC, as currently formulated, may not consistently represent coincident peak grid demand and may introduce unintended compliance barriers for common, code-aligned design strategies.

Most importantly, the PC metric does not currently recognize PV-charged battery storage as a peak-mitigation measure. Storage is one of the most direct and scalable tools for reducing grid draw during the 4pm-9pm system peak. We recommend that PC be revised to credit battery discharge during the peak window, alongside several targeted adjustments described below.

# **Recommended Revisions to Peak Cooling Compliance**

We respectfully recommend the following updates to the PC metric and its implementation in CBECC-Res:

- 1. Allow PV-charged battery storage to offset Peak Cooling
- 2. Reduce PC stringency or widen the allowable margin above Standard Design PC
- 3. Add a west-glazing shading exemption aligned with PV shading rules
- 4. Increase PV credit flexibility (or raise PV caps) for all-electric projects

# **Background and Policy Intent**

We understand the purpose of Peak Cooling to be reducing residential electricity draw during late-day system peak, broadly aligned with California's grid reliability and decarbonization goals. The 4pm-9pm period is when solar output sharply declines, wholesale generation costs and emissions tend to increase, and the grid faces its highest capacity stress. A metric designed to reduce coincident cooling demand during this window is directionally aligned with state policy and utility operational needs.

However, to function as intended, PC must reflect actual coincident grid demand, not only modeled cooling load drivers. Measures that shift or supply energy during peak—particularly PVcharged storage—should therefore be treated as first-class compliance tools.

# **Observed Modeling Results**

Across a set of re-modeled projects, we observed a recurring pattern: homes that pass the primary performance metrics fail PC, often by margins large enough that compliance becomes impractical without major architectural redesign. This effect appears most pronounced for homes with normal or modest west-facing south glazing exposure. Even when we run a house with excess glazing, but every other trick in the book, all other margins are at nearly 0 or 50% of code, yet peak cooling still out by 8.5%.

# ADU - 746 SF - Inputs:

- CZ 4
- 20% Glazing only 5% west
- All Electric with heat pumps
- Code compliant windows
- **ERV**
- No batteries or PV Exempt

ompliance Summary									
	Long Term Syst	em Cost (LSC) <sup>1</sup>	Source Energy Use	Peak Cooling**					
	Efficiency <sup>2</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (kBtu/ft <sup>2</sup> -yr)	Electricity (kWh)					
Standard Design	21.55	54.8	23.79	128.043					
Proposed Design	19.64	52.93	13.83	159.777					
Compliance Margins	1.91	1.87	9.96	-32					
	Pass	Pass	Pass	Fail					
	RESULT*: Fails								

### REQUIRED SPECIAL FEATURES

The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

- PV exception 2: No PV required when minimum PV size (Section 150.1(c)14) < 1.8 kWdc (0 kW)
- Indoor air quality, balanced fan
- IAQ Ventilation System: as low as 0.422222 W/CFM
- IAQ Ventilation System Heat Recovery: minimum 65 SRE and 68 ASRE
  IAQ Ventilation System: supply outside air inlet, filter, and H/ERV cores accessible per RACM Reference Manual
- IAQ Ventilation System: fault indicator display
- Insulation below roof deck

# Single Family House - 2,700 SF - Inputs:

- CZ 4
- 46% Fenestration
- All Electric with heat pumps
- Better than code windows on SHGC
- **ERV**
- Whole House fan
- QII
- 8kW PV 42 kWh batteries

Compliance Summary									
	Long Term Syst	tem Cost (LSC) <sup>1</sup>	Source Energy Use	Peak Cooling**					
	Efficiency <sup>2</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (kBtu/ft <sup>2</sup> -yr)	Electricity (kWh)					
Standard Design	15.17	19.22	8.92	199.237					
Proposed Design	8.82	2.3	0.71	215.641					
Compliance Margins	6.35	16.92	8.21	-17					
	Pass	Pass	Pass	Fail					
	RESULT*: Fails								

### REQUIRED SPECIAL FEATURES

The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

- Battery System: 42 kWh (Self Utilization Credit taken)
- Whole house fan Precooling Credit Taken
- Indoor air quality, balanced fan
- IAQ Ventilation System: as low as 0.4 W/CFM IAQ Ventilation System Heat Recovery: minimum 74 SRE and 78 ASRE
- IAQ Ventilation System: supply outside air inlet, filter, and H/ERV cores accessible per RACM Reference Manual IAQ Ventilation System: fault indicator display
- Cool roof
- Floor has high level of insulation
- - Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed

# ECC FEATURE SUMMARY

The following is a summary of the features that must be field-verified by a certified ECC Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the ECC Registry

- Quality insulation installation (QII)
- Indoor air quality ventilation
- Kitchen range hood
- Whole house fan airflow and fan efficacy Minimum Airflow
- Verified EER/EER2
- Verified SEER/SEER2 Verified Refrigerant Charge
- Fan Efficacy Watts/CFM
- Verified HSPF2
- Verified heat pump rated heating capacity
- Duct leakage testing

# Why PV-Charged Storage Should Offset Peak Cooling

The PC metric's stated policy objective is to reduce cooling-related electricity draw during the 4pm–9pm system peak. Yet the current formulation does not provide a compliance credit for load-shifting resources.

A home equipped with PV and appropriately sized storage can meet most or all 4pm–9pm cooling and household loads from on-site generation stored earlier in the day. In these cases, coincident peak grid demand can be near zero regardless of west-facing glazing or other cooling load drivers. Penalizing such projects under PC undermines the metric's grid-reduction intent and risks discouraging adoption of one of the most effective peak-mitigation strategies readily available to homeowners.

### In short:

- 1. PC intends to reduce coincident peak grid demand from cooling.
- 2. Battery storage shifts or eliminates grid draw during the peak window.
- 3. Therefore, PC should credit storage performance during 4pm-9pm.

# **Recommended Revisions to Peak Cooling Compliance**

We respectfully recommend the following updates to the PC metric and its implementation in CBECC-Res:

# 5. Allow PV-charged battery storage to offset Peak Cooling

- Update PC compliance math to subtract modeled battery discharge during the
   4pm-9pm window when storage is charged by on-site PV.
- Use a standardized dispatch or conservative SOC assumption to ensure consistent and enforceable modeling.

# 6. Reduce PC stringency or widen the allowable margin above Standard Design PC

- Our modeling indicates current pass/fail thresholds can be highly restrictive even for efficient projects.
- Adjusting stringency would better match real-world design feasibility across climate zones while preserving the metric's intent.

# 7. Add a west-glazing shading exemption aligned with PV shading rules

- Where a documented late-day solar exposure / shading analysis confirms minimal west solar gain, PC should recognize the reduced peak load contribution.
- This would avoid penalizing homes for glazing orientation that is not materially driving peak cooling demand in practice.

# 8. Increase PV credit flexibility (or raise PV caps) for all-electric projects

- Expanded PV credit enables right-sized PV+storage systems to meaningfully reduce peak grid reliance.
- This is especially important as California transitions toward an all-electric building stock.

# Addressing Implementation and Reliability Concerns

We recognize that any storage credit should be modeled conservatively and consistently. To avoid over-crediting:

- **Dispatch should be standardized** (e.g., prioritize discharge during 4pm–9pm).
- **State of charge at 4pm** could be assumed at a conservative level when PV is present and adequately sized.
- Alternative safeguard: require a minimum PV-to-storage ratio or a minimum available discharge capacity during peak.

We would be glad to share specific modeling assumptions that align with the CEC's calibration objectives.

# Closing

We appreciate the CEC's work advancing performance-based compliance toward true grid outcomes. We believe the above revisions would strengthen the Peak Cooling metric by ensuring that it tracks coincident peak grid demand and rewards the most effective real-world strategies for reducing that demand.

Thank you for your consideration. Please feel free to contact me at <u>travis@wadeenergy.com</u> or 925.203.5686 x 1.

If helpful, we would be happy to provide additional project runs, tables, or detailed compliance scenarios. We are happy to support further calibration and refinement of this important metric. Sincerely,

Thank you, Travis Wade, M.Eng, CEA Principal

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Project Name: New ADU Calculation Date/Time: 2025-11-24T11:46:29-08:00

Calculation Description: Title 24 Analysis Input File Name: EP100-R-New ADU.ribd25x

GENER	GENERAL INFORMATION									
01	Project Name	New ADU	ew ADU							
02	Run Title	Title 24 Analysis								
03	Project Location	T24 Street								
04	City	Palo Alto	05	Standards Version	2025					
06	Zip code	94952	07	Software Version	EnergyPro 10.0					
08	Climate Zone	4	09	Front Orientation (deg/ Cardinal)	135					
10	Building Type	Single family	11	Number of Dwelling Units	1					
12	Project Scope	Newly Constructed	13	Number of Bedrooms	2					
14	Addition Cond. Floor Area (ft <sup>2</sup> )	0	15	Number of Stories	1					
16	Existing Cond. Floor Area (ft <sup>2</sup> )	n/a	17	Fenestration Average U-factor	0.34					
18	Total Cond. Floor Area (ft <sup>2</sup> )	746	19	Glazing Percentage (%)	20.38%					
20	ADU Bedroom Count	n/a	/a ADU Conditioned Floor Area n/a							
22	Fuel Type	All electric	23	No Dwelling Unit:	No					

### **COMPLIANCE RESULTS**

**Building Does Not Comply** 

This building incorporates features that require field testing and/or verification by a certified ECC rater under the supervision of a CEC-approved ECC provider.

This building incorporates one or more Special Features shown below

# **REQUIRED SPECIAL FEATURES**

The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

- PV exception 2: No PV required when minimum PV size (Section 150.1(c)14) < 1.8 kWdc (0 kW)</li>
- Indoor air quality, balanced fan
- IAQ Ventilation System: as low as 0.422222 W/CFM
- IAQ Ventilation System Heat Recovery: minimum 65 SRE and 68 ASRE
- IAQ Ventilation System: supply outside air inlet, filter, and H/ERV cores accessible per RACM Reference Manual
- IAQ Ventilation System: fault indicator display
- Insulation below roof deck

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#### ECC FEATURE SUMMARY

The following is a summary of the features that must be field-verified by a certified ECC Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the ECC Registry

- Indoor air quality ventilation
- Kitchen range hood
- Minimum Airflow
- Verified SEER/SEER2
- Fan Efficacy Watts/CFM
- Verified HSPF2
- Verified heat pump rated heating capacity
- Duct leakage testing

Comi	nlianco	<b>Summary</b>
Comi	bilance	Summarv

Simpliance Summary							
	Long Term Syst	em Cost (LSC) <sup>1</sup>	Source Energy Use	Peak Cooling**			
	Efficiency <sup>2</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (kBtu/ft <sup>2</sup> -yr)	Electricity (kWh)			
Standard Design	21.55	54.8	23.79	128.043			
Proposed Design	19.64	52.93	13.83	159.777			
Compliance Margins	1.91	1.87	9.96	-32			
	Pass	Pass	Pass	Fail			

**RESULT\*:** Fails

PV System(s) removed due to Reduced PV Requirement of 0 kWdc  $\,$ 

Standard Design PV Capacity: 0.00 kWdc

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CA Building Energy Efficiency Standards - 2025 Single-Family Compliance

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<sup>&</sup>lt;sup>1</sup>Long-term System Cost (LSC) is a 30-year present value cost to California's energy system. LSC is not a predicted utility bill.

<sup>&</sup>lt;sup>2</sup>Efficiency measures include energy efficient improvements such as better building envelope and more efficient mechanical equipment

<sup>&</sup>lt;sup>3</sup>Total includes the sum of efficiency measures, solar photovoltaic (PV) measures and battery storage measures

<sup>\*</sup> Building complies when Proposed Design is equal to or less than Standard Design in all three compliance categories

<sup>\*\*</sup> Peak cooling target represents 120% of the standard design building peak cooling energy use.

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SC AND SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS										
Energy Use	Standard Design Source Energy (kBtu/ft <sup>2</sup> -yr)	5 tunidara 2051611 250 (47 ft		Proposed Design LSC <sup>1</sup> (\$/ft <sup>2</sup> -yr)	Compliance Margin Source (kBtu/ft <sup>2</sup> -yr)	Compliance Margin LSC <sup>1</sup> (\$/ft <sup>2</sup> -yr)				
Space Heating	2.86	6.48	2.26	5.55	0.6	0.93				
Space Cooling	0.26	2.16	0.41	3.14	-0.15	-0.98				
IAQ Ventilation	0.63	2.48	0.38	1.5	0.25	0.98				
Water Heating	11.74	10.43	2.47	9.45	9.27	0.98				
Self Utilization/Flexibility Credit	n/a	n/a	0	0	0	0				
Efficiency Compliance Total	15.49	21.55	5.52	19.64	9.97	1.91				
Photovoltaics And Battery	n/a	n/a	0	0	0	0				
Flexibility	n/a	n/a	0	n/a	0	n/a				
Indoor Lighting	0.64	2.27	0.64	2.27	0	0				
Appl. & Cooking	3.41	14.95	3.42	14.99	-0.01	-0.04				
Plug Loads	4.11	15.55	4.11	15.55	0	0				
Outdoor Lighting	0.14	0.48	0.14	0.48	0	0				
TOTAL COMPLIANCE	23.79	54.8	13.83	52.93	9.96	1.87				

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ENERGY USE INTENSITY										
	Standard Design (kBtu/ft <sup>2</sup> - yr )	Proposed Design (kBtu/ft <sup>2</sup> - yr )	Margin (kBtu/ft <sup>2</sup> - yr )	Margin Percentage						
Gross EUI <sup>1</sup>	26.93	26.24	0.69	2.56						
Net EUI <sup>2</sup>	26.93	26.24	0.69	2.56						

# Notes

- 1. Gross EUI is Energy Use Total (not including PV) / Total Building Area.
- 2. Net EUI is Energy Use Total (including PV) / Total Building Area.

REQUIRED PV SYSTEMS											
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
0	No PV - required PV less than 1.8kWdc	Standard (14-17%)	Fixed	none	true	n/a	n/a	n/a	n/a	n/a	

BUILDING - FEATURES INFORMA	BUILDING - FEATURES INFORMATION										
01	02	03	04	05	06	07					
Project Name	Conditioned Floor Area (ft <sup>2</sup> )	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems					
New ADU	746	1	2	1	0	1					

ZONE INFORMATION		7				
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft <sup>2</sup> )	Avg. Ceiling Height	Water Heating System 1	Status
ADU	Conditioned	Ducted Heat Pump1	746	8	DHW Sys 1	New

Registration Number: Registration Date/Time: ECC Provider:

Project Name: New ADU Calculation Date/Time: 2025-11-24T11:46:29-08:00

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OPAQUE SURFACES SUM	DPAQUE SURFACES SUMMARY												
01	02	03	04	05	06	07	08						
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft <sup>2</sup> )	Window and Door Area (ft2)	Tilt (deg)						
N Wall	ADU	R-21 Wall	315	Back	288	37	90						
E Wall	ADU	R-21 Wall	45	Right	219	12	90						
S Wall (Front)	ADU	R-21 Wall	135	Front	288	80	90						
W Wall	ADU	R-21 Wall	225	Left	219	43	90						
Roof Attic	ADU	R-38 Roof Attic	n/a	n/a	746	n/a	n/a						

ATTIC							
01	02	03	04	05	06	07	08a
Name	Construction	Туре	Roof Rise (x in 12)	CRRC Rated Roof Reflectance	CRRC Rated Roof Emittance	Radiant Barrier	Above Roof Deck Air Gap
Attic ADU	Attic RoofADU	Unventilated	8	0.1	0.85	No	No

FENESTRATION / G	LAZING			_0					
01	02	03	04	05	06	07	08	09	10
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft <sup>2</sup> )	U-factor	SHGC	Rating Source
3020 Awning	Window	N Wall	Back	315	1	6	0.34	0.25	NFRC
3020 Awning 2	Window	N Wall	Back	315	1	6	0.34	0.25	NFRC
5050 Slider	Window	N Wall	Back	315	1	25	0.34	0.25	NFRC
3020 Awning 3	Window	E Wall	Right	45	1	6	0.34	0.25	NFRC
3020 Awning 4	Window	E Wall	Right	45	1	6	0.34	0.25	NFRC
6050 Slider	Window	S Wall (Front)	Front	135	1	30	0.34	0.25	NFRC
6050 Slider 2	Window	S Wall (Front)	Front	135	1	30	0.34	0.25	NFRC

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FENESTRATION / G	FENESTRATION / GLAZING											
01	02	03	04	05	06	07	08	09	10			
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft <sup>2</sup> )	U-factor	SHGC	Rating Source			
4046 Slider	Window	W Wall	Left	225	1	18	0.34	0.25	NFRC			
5050 Slider 2	Window	W Wall	Left	225	1	25	0.34	0.25	NFRC			
		Total North Faci	ng Fenestration			60			,			
		Total East Facir	ng Fenestration			12						
Total South Facing Fenestration												
		Total West Faci	ng Fenestration		43							

OPAQUE DOORS	DPAQUE DOORS											
01	02	03	04	05								
Name	Side of Building	Area (ft <sup>2</sup> )	U-factor	NFRC Rating Req.								
3068 DR	S Wall (Front)	20	0.5	No								

SLAB FLOORS	SLAB FLOORS											
01	02	03	04	05	06	07						
Name	Zone	Area (ft <sup>2</sup> )	Perimeter (ft)	Edge Insul. R-value	Edge Insul. Depth	Heated						
Slab-on-Grade	ADU	746	113	none	0	No						

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OPAQUE SURFACE CONSTR	UCTIONS							
01	02	03	04	05	06	07	08	09
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers	Non-Std Spray Foam
R-21 Wall	Exterior Walls	Wood Framed Wall	2x6 @ 16 in. O. C.	R-21	None / None	0.068	Inside Finish: Gypsum Board Cavity / Frame: R-21 / 2x6 Exterior Finish: All Other Siding	
Attic RoofADU	Attic Roofs	Wood Framed Ceiling	2x10 @ 24 in. O. C.	R-38	None / 0	0.028	Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/dec king Cavity / Frame: R-34.4 / 2x10 Under Roof Joists: R-3.6 insul.	
R-38 Roof Attic	Ceilings (below attic)	Wood Framed Ceiling	2x10 @ 16 in. O. C.	R-O	None / None	0.462	Cavity / Frame: no insul. / 2x10 Inside Finish: Gypsum Board	

WATER HEATING SYS	NATER HEATING SYSTEMS												
01	02	03	04	05	06	07	08	09					
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Compact Distribution	ECC Verification	Water Heater Name (#)					
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	None	n/a	DHW Heater 1 (1)					

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WATER HEATE	RS											
01	02	03	04	05	06	07	08	09	10	11	12	13
Name	Heating Element Type	Tank Type	# of Units	Tank Vol. (gal)	Heating Efficiency Type	Efficiency	Rated Input Type	Input Rating or Pilot	Tank Insulation R-value (Int/Ext)	Standby Loss or Recovery Eff	1st Hr. Rating or Flow Rate	Tank Location
DHW Heater 1	Heat Pump	NEEA Tier 3 heat pump water heater	1	40	UEF	2.7	n/a	n/a	n/a	n/a	n/a	Conditione d

WATER HEATERS -	WATER HEATERS - HEAT PUMP											
01	02	03	04	05	06	07	08	09	10			
Name	# of Units	Tank Vol. (gal)	NEEA Heat Pump Brand	NEEA Heat Pump Model	Tank Location	Duct Inlet Air Source	Duct Outlet Air Source	UEF	JA13 Compliant			
DHW Heater 1	1	40	Generic	Tier 3, 40+ gal	Conditioned	Outside	Outside	2.7				

HVAC - HEAT	/AC - HEAT PUMPS												
01	02	03	04	05	06	06b	07	08	09	10	11	12	13
			Heating						Cooling			Fan Power	
Name	System Type	Number of Units	Heating Efficiency Type	HSPF/HSPF2 /COP	Cap 47	Cap 17	Backup	Cooling Efficiency Type	SEER/SEER2	EER/EER2/C EER	Airflow Target	(Watts/CFM	Variable Speed
Heat Pump System 1	Central split HP	1	HSPF2	9.2	18000	12600	Electric	EER2/SEER2	18.8	11	0	0.45	

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HVAC - DISTRIBUTION SYSTEMS											
01	02 03 04 05 06 07										
Name	Time	Design Type	Duct Ins	. R-value	<b>Duct Location</b>						
Name	Туре	Design Type	Supply	Supply/Return		Return					
Air Distribution System 1	Unconditioned attic	Non-Verified	R	-8	Attic	Attic					

INDOOR AIR QUALITY (IAQ) FANS											
01	02	03	04	05	06	07	08				
Dwelling Unit	Airflow (CFM)	Fan Efficacy (W/CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recovery Effectiveness - ASRE	Includes Fault Indicator Display?	Status				
SFam IAQVentRpt 1-1	45	0.422222	Balanced	Yes	65 / 68	Yes					

Registration Number:

Registration Date/Time:

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ECC Provider:

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**Calculation Description:** Title 24 Analysis Input File Name: EP100-R-New ADU.ribd25x

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT	
1. I certify that this Certificate of Compliance documentation is accur	ate and complete.
Documentation Author Name:	Documentation Author Signature:
Travis Wade	
Company:	Signature Date: 11/24/2025
Wade Energy	11/24/2023
Address:	CEA/AEA/ECC Certification Identification (if applicable):
1942 Linda Dr.	NR19-16-30032
City/State/Zip:	Phone:
Pleasant Hill, CA 94523	(925) 203-5686 x 1
RESPONSIBLE PERSON'S DECLARATION STATEMENT	

### certify the following under penalty of perjury, under the laws of the State of California:

- The information provided on this Certificate of Compliance is true and correct.
- 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, 4. calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building and shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement.
- 6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. I will take the necessary steps to fulfill this requirement.

Responsible Designer Name:	Responsible Designer Signature:
Company:	Date Signed:
Address:	License:
City/State/Zip:	Phone:

Registration Number: Registration Date/Time: ECC Provider:

CA Building Energy Efficiency Standards - 2025 Single-Family Compliance Report Version: 2025.0.000 Schema Version: rev 20250101

Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

Calculation Description: Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x

GENER	GENERAL INFORMATION								
01	Project Name	New Residence							
02	Run Title	Title 24 Analysis							
03	Project Location	Heron Lane							
04	City	Los Gatos	05	Standards Version	2025				
06	Zip code	95033	07	Software Version	EnergyPro 10.0				
08	Climate Zone	4	09	Front Orientation (deg/ Cardinal)	33				
10	Building Type	Single family	ingle family 11 Number of Dwelling Units 1						
12	Project Scope	Newly Constructed	13	Number of Bedrooms	1				
14	Addition Cond. Floor Area (ft <sup>2</sup> )	0	15	Number of Stories	2				
16	Existing Cond. Floor Area (ft <sup>2</sup> )	n/a	17	Fenestration Average U-factor	0.28				
18	Total Cond. Floor Area (ft <sup>2</sup> )	2751	19	Glazing Percentage (%)	46.45%				
20	ADU Bedroom Count	n/a	/a ADU Conditioned Floor Area n/a						
22	Fuel Type	All electric	23	No Dwelling Unit:	No				

# COMPLIANCE RESULTS

**Building Does Not Comply** 

This building incorporates features that require field testing and/or verification by a certified ECC rater under the supervision of a CEC-approved ECC provider.

This building incorporates one or more Special Features shown below

Registration Number: Registration Date/Time: ECC Provider:

CA Building Energy Efficiency Standards - 2025 Single-Family Compliance

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Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

Calculation Description: Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x

#### REQUIRED SPECIAL FEATURES

The following are features that must be installed as condition for meeting the modeled energy performance for this computer analysis.

- Battery System: 42 kWh (Self Utilization Credit taken)
- Whole house fan
- Precooling Credit Taken
- Indoor air quality, balanced fan
- IAQ Ventilation System: as low as 0.4 W/CFM
- IAQ Ventilation System Heat Recovery: minimum 74 SRE and 78 ASRE
- IAQ Ventilation System: supply outside air inlet, filter, and H/ERV cores accessible per RACM Reference Manual
- IAQ Ventilation System: fault indicator display
- Cool roof
- Floor has high level of insulation
- Ducts in crawl space
- Northwest Energy Efficiency Alliance (NEEA) rated heat pump water heater; specific brand/model, or equivalent, must be installed

#### ECC FEATURE SUMMARY

The following is a summary of the features that must be field-verified by a certified ECC Rater as a condition for meeting the modeled energy performance for this computer analysis. Additional detail is provided in the building tables below. Registered CF2Rs and CF3Rs are required to be completed in the ECC Registry

- Quality insulation installation (QII)
- Indoor air quality ventilation
- Kitchen range hood
- Whole house fan airflow and fan efficacy
- Minimum Airflow
- Verified EER/EER2
- Verified SEER/SEER2
- Verified Refrigerant Charge
- Fan Efficacy Watts/CFM
- Verified HSPF2
- Verified heat pump rated heating capacity
- Duct leakage testing

Registration Number: Registration Date/Time: ECC Provider:

CA Building Energy Efficiency Standards - 2025 Single-Family Compliance Report Version: 2025.0.000 Schema Version: rev 20250101

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Calculation Date/Time: 2025-11-24T11:29:38-08:00

Input File Name: EP10.0-New-Certiberti Residence.ribd25x

Project Name: New Residence

**Calculation Description:** Title 24 Analysis

Compliance Summary									
	Long Term Syst	tem Cost (LSC) <sup>1</sup>	Source Energy Use	Peak Cooling**					
	Efficiency <sup>2</sup> (\$/ft <sup>2</sup> -yr)	Total <sup>3</sup> (\$/ft <sup>2</sup> -yr)							
Standard Design	15.17	19.22	8.92	199.237					
Proposed Design	8.82	2.3	0.71	215.641					
Compliance Margins	6.35	16.92	16.92 8.21						
	Pass	Pass	Pass	Fail					

#### **RESULT\*:** Fails

Standard Design PV Capacity: 2.82 kWdc

Proposed PV kWh output exceeds proposed electricity use by 79% which may violate NEM rules. Contact local utility.

Registration Number:

Registration Date/Time:

ECC Provider:

CA Building Energy Efficiency Standards - 2025 Single-Family Compliance

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<sup>&</sup>lt;sup>1</sup>Long-term System Cost (LSC) is a 30-year present value cost to California's energy system. LSC is not a predicted utility bill.

<sup>&</sup>lt;sup>2</sup>Efficiency measures include energy efficient improvements such as better building envelope and more efficient mechanical equipment

<sup>&</sup>lt;sup>3</sup>Total includes the sum of efficiency measures, solar photovoltaic (PV) measures and battery storage measures

<sup>\*</sup> Building complies when Proposed Design is equal to or less than Standard Design in all three compliance categories

<sup>\*\*</sup> Peak cooling target represents 120% of the standard design building peak cooling energy use.

**Calculation Date/Time:** 2025-11-24T11:29:38-08:00 Project Name: New Residence

Calculation Description: Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x (Page 4 of 14)

LSC AND SOURCE ENERGY	SC AND SOURCE ENERGY COMPLIANCE RESULTS FOR PERFORMANCE COMPONENTS									
Energy Use	Standard Design Source Energy (kBtu/ft <sup>2</sup> -yr)	Standard Design LSC <sup>1</sup> (\$/ft <sup>2</sup> -yr)	Proposed Design Source Energy (kBtu/ft <sup>2</sup> -yr)	Proposed Design LSC <sup>1</sup> (\$/ft <sup>2</sup> -yr)	Compliance Margin Source (kBtu/ft <sup>2</sup> -yr)	Compliance Margin LSC <sup>1</sup> (\$/ft <sup>2</sup> -yr)				
Space Heating	3.78	9.55	2.65	6.5	1.13	3.05				
Space Cooling	0.17	1.3	0.2	1.32	-0.03	-0.02				
IAQ Ventilation	0.34	1.32	0.22	0.85	0.12	0.47				
Water Heating	3.2	3	0.36	1.52	2.84	1.48				
Self Utilization/Flexibility Credit	n/a	n/a	-1.09	-1.37	1.09	1.37				
Efficiency Compliance Total	7.49	15.17	2.34	8.82	5.15	6.35				
Photovoltaics And Battery	-0.86	-4.97	-3.91	-15.51	3.05	10.54				
Flexibility	n/a	n/a	-0.01	-0.04	0.01	0.04				
Indoor Lighting	0.44	1.56	0.44	1.56	0	0				
Appl. & Cooking	0.84	3.69	0.84	3.7	0	-0.01				
Plug Loads	0.89	3.35	0.89	3.35	0	0				
Outdoor Lighting	0.12	0.42	0.12	0.42	0	0				
TOTAL COMPLIANCE	8.92	19.22	0.71	2.3	8.21	16.92				

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Registration Date/Time:

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ECC Provider:

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CF1R-PRF-01-E

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Calculation Description: Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x

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ENERGY USE INTENSITY									
	Standard Design (kBtu/ft <sup>2</sup> - yr )	Proposed Design (kBtu/ft <sup>2</sup> - yr )	Margin (kBtu/ft <sup>2</sup> - yr )	Margin Percentage					
Gross EUI <sup>1</sup>	11.33	9.63	1.7	15					
Net EUI <sup>2</sup>	5.5	-7.61	13.11	238.36					

# Notes

- 1. Gross EUI is Energy Use Total (not including PV) / Total Building Area.
- 2. Net EUI is Energy Use Total (including PV) / Total Building Area.

REQUIRED PV SYS	TEMS										
01	02	03	04	05	06	07	08	09	10	11	12
DC System Size (kWdc)	Exception	Module Type	Array Type	Power Electronics	CFI	Azimuth (deg)	Tilt Input	Array Angle (deg)	Tilt: (x in 12)	Inverter Eff. (%)	Annual Solar Access (%)
8	NA	Standard (14-17%)	Fixed	none	true	150-270	n/a	n/a	<=7:12	96	100

BATTERY SYSTEMS						
01	02	03	04	05	06	07
Control	Capacity (kWh)	Char	ging	Discha	Round Trip Efficiency	
Control		Charging Efficiency	Charging Rate (kW)	Discharging Efficiency	Discharging Rate (kW)	Round Trip Efficiency
Basic	42	0.95	n/a	0.95	n/a	0.9

BUILDING - FEATURES INFORMATION									
01	02	03	04	05	06	07			
Project Name	Conditioned Floor Area (ft <sup>2</sup> )	Number of Dwelling Units	Number of Bedrooms	Number of Zones	Number of Ventilation Cooling Systems	Number of Water Heating Systems			
New Residence	2751	1	1	2	1	1			

Registration Number: Registration Date/Time: ECC Provider:

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ZONE INFORMATION						
01	02	03	04	05	06	07
Zone Name	Zone Type	HVAC System Name	Zone Floor Area (ft <sup>2</sup> )	Avg. Ceiling Height	Water Heating System 1	Status
2: Upper Level	Conditioned	Heat Pump1	499	9.5	DHW Sys 1	New
1: Lower Level	Conditioned	Heat Pump1	2252	8.67	DHW Sys 1	New

OPAQUE SURFACES SUN	MARY						
01	02	03	04	05	06	07	08
Name	Zone	Construction	Azimuth	Orientation	Gross Area (ft <sup>2</sup> )	Window and Door Area (ft2)	Tilt (deg)
N Wall	2: Upper Level	R-21 FasWal (ICF Equival)	33	Front	314	127.8	90
E Wall	2: Upper Level	R-21 FasWal (ICF Equival)	123	Left	371	62	90
S Wall	2: Upper Level	R-21 FasWal (ICF Equival)	213	Back	314	130	90
W Wall	2: Upper Level	R-21 FasWal (ICF Equival)	303	Right	371	33	90
N Wall 2	1: Lower Level	R-21 FasWal (ICF Equival)	33	Front	785	221.5	90
E Wall 2	1: Lower Level	R-21 FasWal (ICF Equival)	123	Left	728	182.2	90
S Wall 2	1: Lower Level	R-21 FasWal (ICF Equival)	213	Back	757	333.2	90
SW Wall	1: Lower Level	R-21 FasWal (ICF Equival)	258	n/a	26	8	90
W Wall 2	1: Lower Level	R-21 FasWal (ICF Equival)	303	Right	720	155.2	90
Raised Floor	1: Lower Level	R-30 Floor Crawlspace	n/a	n/a	2252	n/a	n/a
Interior Floor	2: Upper Level	Interior R-0 Floor	n/a	n/a	499	n/a	n/a

OPAQUE SURFACES	PAQUE SURFACES - CATHEDRAL CEILINGS									
01	02	03	04	05	06	07	08	09	10	
Name	Zone	Construction	Azimuth	Orientation	Area (ft <sup>2</sup> )	Skylight Area (ft <sup>2</sup> )	Roof Rise (x in 12)	CRRC Rated Roof Reflectance	CRRC Rated Roof Emittance	
Roof Rafter	2: Upper Level	R-38 Roof No Attic	213	Back	499	0	3	0.63	0.85	

Registration Number: Registration Date/Time: ECC Provider:

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Calculation Desc	ilption. Title 24 Al	lalysis			input the Name.	LI 10.0-New-cert	iberti Kesiderice.ii	buzak					
OPAQUE SURFACE	OPAQUE SURFACES - CATHEDRAL CEILINGS												
01													
Name	Zone	Construction	Azimuth	Orientation	Area (ft <sup>2</sup> )	Skylight Area (ft <sup>2</sup> )	Roof Rise (x in 12)	CRRC Rated Roof Reflectance	CRRC Rated Roof Emittance				
Roof Rafter 2	1: Lower Level	R-38 Roof No Attic	33	Front	1853	25	0	0.63	0.85				

FENESTRATION / 0	GLAZING								
01	02	03	04	05	06	07	08	09	10
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft <sup>2</sup> )	U-factor	SHGC	Rating Source
32	Window	N Wall	Front	33	1	42.6	0.27	0.21	NFRC
33	Window	N Wall	Front	33	1	42.6	0.27	0.21	NFRC
34	Window	N Wall	Front	33	1	42.6	0.27	0.21	NFRC
35	Window	E Wall	Left	123	1	12	0.27	0.21	NFRC
Door H	Window	E Wall	Left	123	1	22	0.3	0.19	NFRC
18'	Window	E Wall	Left	123	1	14	0.27	0.21	NFRC
17'	Window	E Wall	Left	123	1	14	0.27	0.21	NFRC
36	Window	S Wall	Back	213	1	64	0.27	0.21	NFRC
37	Window	S Wall	Back	213	1	66	0.27	0.21	NFRC
38	Window	W Wall	Right	303	1	9	0.27	0.21	NFRC
Door I	Window	W Wall	Right	303	1	24	0.3	0.19	NFRC
29	Window	N Wall 2	Front	33	1	30.6	0.27	0.21	NFRC
30	Window	N Wall 2	Front	33	1	6	0.27	0.21	NFRC
31	Window	N Wall 2	Front	33	1	7.5	0.27	0.21	NFRC

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ENESTRATION / (	GLAZING	naryoto			mput the Hume.	EP10.0-New-Cert	iber in residence.		
01	02	03	04	05	06	07	08	09	10
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft²)	U-factor	SHGC	Rating Source
Door A	Window	N Wall 2	Front	33	1	28	0.3	0.19	NFRC
1	Window	N Wall 2	Front	33	1	7.5	0.27	0.21	NFRC
2	Window	N Wall 2	Front	33	1	30	0.27	0.21	NFRC
16	Window	N Wall 2	Front	33	1	37.3	0.27	0.21	NFRC
15	Window	N Wall 2	Front	33	1	37.3	0.27	0.21	NFRC
14	Window	N Wall 2	Front	33	1	37.3	0.27	0.21	NFRC
Door B	Window	E Wall 2	Left	123	1	24	0.3	0.19	NFRC
3	Window	E Wall 2	Left	123	1	26.7	0.27	0.21	NFRC
Door G	Window	E Wall 2	Left	123	1	22	0.3	0.19	NFRC
18	Window	E Wall 2	Left	123	1	14	0.27	0.21	NFRC
17	Window	E Wall 2	Left	123	1	14	0.27	0.21	NFRC
5	Window	E Wall 2	Left	123	1	5	0.27	0.21	NFRC
6	Window	E Wall 2	Left	123	1	5	0.27	0.21	NFRC
8	Window	E Wall 2	Left	123	1	16	0.27	0.21	NFRC
9	Window	E Wall 2	Left	123	1	17.5	0.27	0.21	NFRC
19	Window	E Wall 2	Left	123	1	38	0.27	0.21	NFRC
10	Window	S Wall 2	Back	213	1	54	0.27	0.21	NFRC
11	Window	S Wall 2	Back	213	1	37.3	0.27	0.21	NFRC
12	Window	S Wall 2	Back	213	1	37.3	0.27	0.21	NFRC

Registration Number:

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ENESTRATION /	GLAZING								
01	02	03	04	05	06	07	08	09	10
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft <sup>2</sup> )	U-factor	SHGC	Rating Source
13	Window	S Wall 2	Back	213	1	37.3	0.27	0.21	NFRC
Door D	Window	S Wall 2	Back	213	1	88	0.3	0.19	NFRC
20	Window	S Wall 2	Back	213	1	63.3	0.27	0.21	NFRC
22	Window	S Wall 2	Back	213	1	8	0.27	0.21	NFRC
23	Window	S Wall 2	Back	213	1	8	0.27	0.21	NFRC
24	Window	SW Wall		258	1	8	0.27	0.21	NFRC
7	Window	W Wall 2	Right	303	1	5	0.27	0.21	NFRC
Door C	Window	W Wall 2	Right	303	1	22	0.3	0.19	NFRC
21	Window	W Wall 2	Right	303	1	24	0.27	0.21	NFRC
Door E	Window	W Wall 2	Right	303	1	22	0.3	0.19	NFRC
25	Window	W Wall 2	Right	303	1	8	0.27	0.21	NFRC
26	Window	W Wall 2	Right	303	1	8	0.27	0.21	NFRC
27	Window	W Wall 2	Right	303	1	12	0.27	0.21	NFRC
Door F	Window	W Wall 2	Right	303	1	44	0.3	0.19	NFRC
28	Window	W Wall 2	Right	303	1	10.2	0.27	0.21	NFRC
Skylight	Skylight	Roof Rafter 2	Front	33	1	25	0.38	0.28	NFRC
	•	Total North Faci	ng Fenestration	•	•	374.3			•
		Total East Facin	ng Fenestration			188.2			

Registration Number:

Registration Date/Time:

ECC Provider:

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Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

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FENESTRATION / GLAZING												
01	02	03	04	05	06	07	08	09	10			
Name	Туре	Surface	Orientation	Azimuth	Mult.	Area (ft <sup>2</sup> )	U-factor	SHGC	Rating Source			
		Total South Faci	ng Fenestration		463.20000000 00004							
		Total West Faci	ng Fenestration		244.2							

OPAQUE SURFACE CONSTR	UCTIONS							
01	02	03	04	05	06	07	08	09
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers	Non-Std Spray Foam
R-21 FasWal (ICF Equival)	Exterior Walls	Concrete / ICF / Brick	None	n/a	10.2041 / 10.2041	0.045	Inside Finish: Gypsum Board Insulation/Furring: R-10.2 / no furring Mass Layer: 6 in. Concrete Insulation/Furring: R-10.2 / no furring Exterior Finish: All Other Siding	
R-38 Roof No Attic	Cathedral Ceilings	Wood Framed Ceiling	2x8 @ 24 in. O. C.	R-38	None / None	0.031	Roofing: Light Roof (Asphalt Shingle) Roof Deck: Wood Siding/sheathing/dec king Cavity / Frame: R-38 / 2x8 Inside Finish: Gypsum Board	

Registration Number: ECC Provider:

Report Version: 2025.0.000 Schema Version: rev 20250101

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Calculation Description:	Title 24 Analysis		Input File	Name: EP10.0-	New-Certiberti Res	idence.ribo	d25x	
OPAQUE SURFACE CONSTR	UCTIONS							
01	02	03	04	05	06	07	08	09
Construction Name	Surface Type	Construction Type	Framing	Total Cavity R-value	Interior / Exterior Continuous R-value	U-factor	Assembly Layers	Non-Std Spray Foam
R-30 Floor Crawlspace	Floors Over Crawlspace	Wood Framed Floor	2x10 @ 16 in. O. C.	R-30	None / None	0.034	Floor Surface: Carpeted Floor Deck: Wood Siding/sheathing/dec king Cavity / Frame: R-30 / 2x10	
Interior R-0 Floor	Interior Floors	Wood Framed Floor	2x12 @ 16 in. O. C.	R-O	None / None	0.196	Floor Surface: Carpeted Floor Deck: Wood Siding/sheathing/dec king Cavity / Frame: no insul. / 2x12 Ceiling Below Finish: Gypsum Board	

WATER HEATING SYS	VATER HEATING SYSTEMS												
01	02	03	04	05	06	07	08	09					
Name	System Type	Distribution Type	Water Heater Name	Number of Units	Solar Heating System	Compact Distribution	ECC Verification	Water Heater Name (#)					
DHW Sys 1	Domestic Hot Water (DHW)	Standard	DHW Heater 1	1	n/a	None	n/a	DHW Heater 1 (1)					

Registration Number: Registration Date/Time: ECC Provider:

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Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

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WATER HEATERS -	WATER HEATERS - HEAT PUMP												
01	02	03	04	05	06	07	08	09	10				
Name	# of Units	Tank Vol. (gal)	NEEA Heat Pump Brand	NEEA Heat Pump Model	Tank Location	Duct Inlet Air Source	Duct Outlet Air Source	UEF	JA13 Compliant				
DHW Heater 1	1	80	A. O. Smith	AOSmithHPTA80 2xx	CrawlSpace	Crawl Space	Crawl Space	n/a					

HVAC - HEAT	VAC - HEAT PUMPS												
01	02	03	04	05	06	06b	07	08	09	10	11	12	13
					Heating	•	2		Cooling			Fan Power	
Name	System Type	Number of Units	Heating Efficiency Type	HSPF/HSPF2 /COP	Cap 47	Cap 17	Backup	Cooling Efficiency Type	SEER/SEER2	EER/EER2/C EER	Airflow Target	(Watts/CFM	Variable Speed
Heat Pump System 1	Central split HP	1	HSPF2	9.5	48000	39000	Electric	EER2/SEER2	23	12.5	0	0.4	

HVAC - DISTRIBUTION SYST	IVAC - DISTRIBUTION SYSTEMS												
01	02	03	04	05	06	07							
Name	Toma	Design Type	Duct Ins	. R-value	Duct Location								
Ivairie	Туре	Design Type	Supply	/Return	Supply	Return							
Air Distribution System 1	Unconditioned crawl space	Non-Verified	R-8		Crawl Space	Crawl Space							

INDOOR AIR QUALITY (I	NDOOR AIR QUALITY (IAQ) FANS												
01	02	03	04	05	06	07	08						
Dwelling Unit	Airflow (CFM)	Fan Efficacy (W/CFM)	IAQ Fan Type	Includes Heat/Energy Recovery?	IAQ Recovery Effectiveness - ASRE	Includes Fault Indicator Display?	Status						
SFam IAQVentRpt 1-1	100	0.4	Balanced	Yes	74 / 78	Yes							

Registration Number: Registration Date/Time: ECC Provider:

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Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

**Calculation Description:** Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x

COOLING VENTILATION								
01	02	03	04	05	06	07	08	09
Name	Airflow Rate (CFM/ft2)	Cooling Vent CFM	Cooling Vent Watts/CFM	Total Watts	Number of Fans	CFVCS Type	Exhausts to	ECC Verification
WH Fan 1	1.87	4200	0.119	500	1	Not a CFVCS	Outside	Required

Registration Number:

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Registration Date/Time:

Report Generated: 2025-11-24 11:31:36

ECC Provider:

Report Version: 2025.0.000

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Project Name: New Residence Calculation Date/Time: 2025-11-24T11:29:38-08:00

Calculation Description: Title 24 Analysis Input File Name: EP10.0-New-Certiberti Residence.ribd25x

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT  1. I certify that this Certificate of Compliance documentation is accurate and complete.					
Travis Wade					
Company:	Signature Date: 11/24/2025				
Wade Energy	11/24/2023				
Address:	CEA/AEA/ECC Certification Identification (if applicable):				
1942 Linda Dr.	NR19-16-30032				
City/State/Zip:	Phone:				
Pleasant Hill, CA 94523	(925) 203-5686 x 1				

#### RESPONSIBLE PERSON'S DECLARATION STATEMENT

### I certify the following under penalty of perjury, under the laws of the State of California:

- 1. The information provided on this Certificate of Compliance is true and correct.
- 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
- 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
- 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
- 5. I understand that a registered copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building and shall be made available to the enforcement agency for all applicable inspections. I will take the necessary steps to fulfill this requirement.
- 6. I understand that a registered copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. I will take the necessary steps to fulfill this requirement.

Responsible Designer Name:		Responsible Designer Signature:
	4.0	
Company:		Date Signed:
Address:		License:
City/State/Zip:		Phone:

Registration Number: Registration Date/Time: ECC Provider:

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