

<div>Form 5500-SF</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Short Form Annual Return/Report of Small Employee Benefit Plan</div> <div>This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).</div> <div>▶ Complete all entries in accordance with the instructions to the Form 5500-SF.</div>	<div>OMB Nos. 1210-0110 1210-0089</div> <div>2024</div> <div>This Form is Open to Public Inspection</div>
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Part I	Annual Report Identification Information
For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
A	This return/report is for: <input checked="" type="checkbox"/> a single-employer plan <input type="checkbox"/> a multiple-employer plan (not multiemployer) (Pension Plan filers checking this box must attach Schedule MEP. Other plans must attach a list of participating employer information in accordance with the form instructions.)
B	This return/report is <input type="checkbox"/> the first return/report <input type="checkbox"/> the final return/report <input type="checkbox"/> an amended return/report <input type="checkbox"/> a short plan year return/report (less than 12 months)
C	Check box if filing under: <input type="checkbox"/> Form 5558 <input type="checkbox"/> automatic extension <input type="checkbox"/> DFVC program <input type="checkbox"/> special extension (enter description)
D	If the plan is a collectively-bargained plan, check here ▶ <input type="checkbox"/>
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here ▶ <input type="checkbox"/>

Part II	Basic Plan Information—enter all requested information		
1a	Name of plan HOME ENERGY SOLUTIONS INC. CASH BALANCE PLAN	1b	Three-digit plan number (PN) ▶ 002
		1c	Effective date of plan 01/01/2021
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) HOME ENERGY SOLUTIONS INC.  187 EAST MAIN STREET HUNTINGTON, NY 11743	2b	Employer Identification Number (EIN) 45-0575808
		2c	Sponsor's telephone number 631-673-0664
		2d	Business code (see instructions) 541350
3a	Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.	3b	Administrator's EIN
		3c	Administrator's telephone number
4	If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report. a Sponsor's name c Plan Name	4b	EIN
		4d	PN
5a	Total number of participants at the beginning of the plan year	5a	17
b	Total number of participants at the end of the plan year	5b	16
c(1)	Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item)	5c(1)	
c(2)	Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	5c(2)	
d(1)	Total number of active participants at the beginning of the plan year	5d(1)	16
d(2)	Total number of active participants at the end of the plan year	5d(2)	15
e	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	5e	1

**Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.**

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	05/21/2025	DEBRA LAMAY
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) ..... ☒ Yes ☐ No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) ..... ☒ Yes ☐ No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? ..... ☒ Yes ☐ No ☐ Not determined
- If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 540822. (See instructions.)

**Part III Financial Information**

<b>7 Plan Assets and Liabilities</b>		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	931247	1184266
<b>b</b> Total plan liabilities .....	<b>7b</b>	0	0
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b>	931247	1184266
<b>8 Income, Expenses, and Transfers for this Plan Year</b>		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>	200000	
<b>(2)</b> Participants .....	<b>8a(2)</b>	0	
<b>(3)</b> Others (including rollovers) .....	<b>8a(3)</b>	0	
<b>b</b> Other income (loss) .....	<b>8b</b>	60481	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		260481
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	<b>8d</b>		
<b>e</b> Certain deemed and/or corrective distributions (see instructions) .	<b>8e</b>		
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>	7462	
<b>g</b> Other expenses .....	<b>8g</b>		
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		7462
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		253019
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>		

**Part IV Plan Characteristics**

- 9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:  
1C 3D
- b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

**Part V Compliance Questions**

<b>10 During the plan year:</b>		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<b>a</b> Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program) .....	<b>10a</b>		X	
<b>b</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....	<b>10b</b>		X	
<b>c</b> Was the plan covered by a fidelity bond? .....	<b>10c</b>	X		150000
<b>d</b> Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty? .....	<b>10d</b>		X	
<b>e</b> Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.) .....	<b>10e</b>		X	
<b>f</b> Has the plan failed to provide any benefit when due under the plan? .....	<b>10f</b>		X	
<b>g</b> Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....	<b>10g</b>		X	
<b>h</b> If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.) .....	<b>10h</b>		X	
<b>i</b> If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3 .....	<b>10i</b>			

**Part VI Pension Funding Compliance**

<b>11</b> Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and lines 11a and b below.) If this is a defined contribution pension plan, leave line 11 blank and complete line 12 below.....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>a</b> Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 .....	<b>11a</b> 0
<b>b</b> <b>PBGC missed contribution reporting requirements.</b> If the plan is covered by PBGC and the amount reported on line 11a is greater than \$0, has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:	
<input type="checkbox"/> Yes.	
<input type="checkbox"/> No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.	
<input type="checkbox"/> No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.	
<input type="checkbox"/> No. Other. Provide explanation _____	

<b>12</b> Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? ..... (If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.) If this is a defined benefit pension plan, leave line 12 blank and complete line 11 above.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>a</b> If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions, and enter the date of the letter ruling granting the waiver. .... Month _____ Day _____ Year _____	
<b>If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.</b>	
<b>b</b> Enter the minimum required contribution for this plan year .....	<b>12b</b>
<b>c</b> Enter the amount contributed by the employer to the plan for this plan year .....	<b>12c</b>
<b>d</b> Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount) .....	<b>12d</b>
<b>e</b> Will the minimum funding amount reported on line 12d be met by the funding deadline?.....	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

**Part VII Plan Terminations and Transfers of Assets**

<b>13a</b> Has a resolution to terminate the plan been adopted in any plan year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<b>a</b> If "Yes," enter the amount of any plan assets that reverted to the employer this year.....	<b>13a</b>	
<b>b</b> Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? .....		
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>c</b> If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)		
<b>13c(1)</b> Name of plan(s):	<b>13c(2)</b> EIN(s)	<b>13c(3)</b> PN(s)

**Part VIII IRS Compliance Questions**

<b>14a</b> Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14b</b> If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).	
<input type="checkbox"/> Design-based safe harbor method	
<input type="checkbox"/> "Prior year" ADP test	
<input type="checkbox"/> "Current year" ADP test	
<input checked="" type="checkbox"/> N/A	
<b>15</b> If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter <u>02 / 28 / 2023</u> (MM/DD/YYYY) and the Opinion Letter serial number <u>Q705311A</u> .	

<div>SCHEDULE SB (Form 5500)  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration  Pension Benefit Guaranty Corporation</div>	<div>Single-Employer Defined Benefit Plan Actuarial Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).</div> <div>▶ File as an attachment to Form 5500 or 5500-SF.</div>	<div>OMB No. 1210-0110</div> <div>2024</div> <div>This Form is Open to Public Inspection</div>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan HOME ENERGY SOLUTIONS INC. CASH BALANCE PLAN	B Three-digit plan number (PN) ▶ 002
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF HOME ENERGY SOLUTIONS INC.	D Employer Identification Number (EIN) 45-0575808
E Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	F Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

Part I	Basic Information			
1	Enter the valuation date: Month 12 Day 31 Year 2024			
2	Assets:			
a	Market value	2a	984266	
b	Actuarial value	2b	984266	
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a	For retired participants and beneficiaries receiving payment	0	0	0
b	For terminated vested participants	1	905	905
c	For active participants	15	820711	820711
d	Total	16	821616	821616
4	If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
a	Funding target disregarding prescribed at-risk assumptions	4a		
b	Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5	Effective interest rate	5	5.30 %	
6	Target normal cost			
a	Present value of current plan year accruals	6a	258509	
b	Expected plan-related expenses	6b	0	
c	Target normal cost	6c	258509	

**Statement by Enrolled Actuary**  
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<div>SIGN HERE</div>	<div>Signature of actuary</div> <div>DANIEL L. RUEHR, ASA</div> <div>Type or print name of actuary</div> <div>TYCOR BENEFIT ADMINISTRATORS, INC.</div> <div>Firm name</div> <div>955 CHESTERBROOK BLVD, SUITE 310 WAYNE, PA 19087</div> <div>Address of the firm</div>	<div>04/17/2025</div> <div>Date</div> <div>23-08234</div> <div>Most recent enrollment number</div> <div>610-251-0670</div> <div>Telephone number (including area code)</div>
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**Part II Beginning of Year Carryover and Prefunding Balances**

	(a) Carryover balance	(b) Prefunding balance
<b>7</b> Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b> Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b> Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b> Interest on line 9 using prior year's actual return of 0.00 % .....	0	0
<b>11</b> Prior year's excess contributions to be added to prefunding balance:		
<b>a</b> Present value of excess contributions (line 38a from prior year) .....		40352
<b>b(1)</b> Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of 5.22 % .....		0
<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		40352
<b>d</b> Portion of (c) to be added to prefunding balance .....		
<b>12</b> Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b> Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

**Part III Funding Percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	119.79 %
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	109.49 %
<b>16</b> Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	110.40 %
<b>17</b> If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	%

**Part IV Contributions and Liquidity Shortfalls****18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200000	0			
<b>Totals ►</b>			<b>18(b)</b>	200000	<b>18(c)</b> 0

**19** Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years .....	<b>19a</b>	0
<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	<b>19b</b>	0
<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date .....	<b>19c</b>	198422

**20** Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code) .....				<b>21b</b> 4
<b>22</b> Weighted average retirement age .....				<b>22</b> 66
<b>23</b> Mortality table(s) (see instructions)	<input checked="" type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate	<input type="checkbox"/> Substitute	

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information		
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>	

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c) .....	<b>31a</b>	258509	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	162650	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....	<b>34</b>	95859	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35) .....	<b>36</b>	95859	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	198422	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36) .....	<b>38a</b>	102563	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37) .....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
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<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**


▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Home Energy Solutions, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶ 002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Home Energy Solutions, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0575808
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I Basic Information</b>			
<b>1</b> Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2024</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....		<b>2a</b>	984,266
<b>b</b> Actuarial value .....		<b>2b</b>	984,266
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	0	0	0
<b>b</b> For terminated vested participants .....	1	905	905
<b>c</b> For active participants .....	15	820,711	820,711
<b>d</b> Total .....	16	821,616	821,616
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....		<b>4a</b>	
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....		<b>4b</b>	
<b>5</b> Effective interest rate .....	<b>5</b>	5.30%	
<b>6</b> Target normal cost			
<b>a</b> Present value of current plan year accruals .....		<b>6a</b>	258,509
<b>b</b> Expected plan-related expenses .....		<b>6b</b>	0
<b>c</b> Target normal cost .....		<b>6c</b>	258,509

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		04/17/2025
Signature of actuary		Date
Daniel L. Ruehr, ASA		2308234
Type or print name of actuary		Most recent enrollment number
Tycor Benefit Administrators, Inc.		610-251-0670
Firm name		Telephone number (including area code)
955 Chesterbrook Blvd, Suite 310		
Wayne PA 19087		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2024  
v. 240311

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
9	Amount remaining (line 7 minus line 8) .....	0	0
10	Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year) .....		40,352
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> % .....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	c Total available at beginning of current plan year to add to prefunding balance .....		40,352
	d Portion of (c) to be added to prefunding balance .....		0
12	Other reductions in balances due to elections or deemed elections .....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

Part III Funding Percentages			
14	Funding target attainment percentage .....	14	119.79%
15	Adjusted funding target attainment percentage .....	15	109.49%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	16	110.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200,000	0			
Totals ►			18(b)	200,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years. ....	19a 0
b Contributions made to avoid restrictions adjusted to valuation date .....	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....	19c 198,422
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th



**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....				<b>21b</b> 4
<b>22</b> Weighted average retirement age .....				<b>22</b> 66
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute				

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information	
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....	<b>31a</b>	258,509	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	162,650	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	<b>34</b>	95,859	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	95,859	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	198,422	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	102,563	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
---

**Schedule SB, line 15 -**

**Reconciliation of differences between valuation results and amounts used to  
calculate AFTAP**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

The percentage shown on line 15 is equal to the sum of the market value of assets on the valuation date and the discounted value of contributions received for the current plan year after the valuation date, divided by the sum of the current year's funding target and target normal cost.

**Schedule SB, line 22 –**

**Weighted average retirement age**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

It was assumed that the business owners will retire at age 73, and that all other participants will retire at Normal Retirement Age (65), or the current valuation date, if later.

## **Schedule SB, Part V –**

### **Statement of Actuarial Assumptions/Methods**

#### **Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Funding Method: PPA-mandated actuarial cost method
- Asset valuation method: Market value of assets (no smoothing)
- Assumed retirement age: Business owners: 73; all others: Normal Retirement Age, or current val. date, if later
- Assumed withdrawal rates: None
- Assumed form of benefit payout: Lump sum benefit
- Type of mortality tables used: Static, combined tables
- Pre-retirement mortality assumption: None
- Assumed future annual salary increases: 0%
- Addition to target normal cost for expenses: None
- Assumed future interest crediting rate: 3%

**Schedule SB, Part V –**  
**Summary of Plan Provisions**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Eligibility: Age 21 and 1 year of service (monthly entry dates)
- Theoretical contributions: Varies by class.
- Compensation: W-2 comp as a participant with add back of 401k deferrals
- Normal annuity form: Single life annuity
- NRA: Age 65 (exact date of attainment)
- Interest crediting rate: flat 3% per annum
- Vesting: 3-year cliff

Schedule SB, line 26a - Schedule of Active Participant Data

**PLAN:** Home Energy Solutions, Inc. Cash Balance Plan

**EIN/PN:** 45-0575808 / 002

**PYE:** 12/31/2024

Attained Age	Years of Credited Service									
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25										
25 to 29		1								
30 to 34		5								
35 to 39		5								
40 to 44										
45 to 49										
50 to 54		1								
55 to 59										
60 to 64		2								
65 to 69										
70 & up		1								



<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**


▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Home Energy Solutions, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶ 002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Home Energy Solutions, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0575808
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I Basic Information</b>			
<b>1</b> Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2024</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....		<b>2a</b>	984,266
<b>b</b> Actuarial value .....		<b>2b</b>	984,266
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	0	0	0
<b>b</b> For terminated vested participants .....	1	905	905
<b>c</b> For active participants .....	15	820,711	820,711
<b>d</b> Total .....	16	821,616	821,616
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....		<b>4a</b>	
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....		<b>4b</b>	
<b>5</b> Effective interest rate .....	<b>5</b>	5.30%	
<b>6</b> Target normal cost			
<b>a</b> Present value of current plan year accruals .....		<b>6a</b>	258,509
<b>b</b> Expected plan-related expenses .....		<b>6b</b>	0
<b>c</b> Target normal cost .....		<b>6c</b>	258,509

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		04/17/2025
Signature of actuary		Date
Daniel L. Ruehr, ASA		2308234
Type or print name of actuary		Most recent enrollment number
Tycor Benefit Administrators, Inc.		610-251-0670
Firm name		Telephone number (including area code)
955 Chesterbrook Blvd, Suite 310		
Wayne PA 19087		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2024  
v. 240311

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
9	Amount remaining (line 7 minus line 8) .....	0	0
10	Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year) .....		40,352
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> % .....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	c Total available at beginning of current plan year to add to prefunding balance .....		40,352
	d Portion of (c) to be added to prefunding balance .....		0
12	Other reductions in balances due to elections or deemed elections .....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

Part III Funding Percentages			
14	Funding target attainment percentage .....	14	119.79%
15	Adjusted funding target attainment percentage .....	15	109.49%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	16	110.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200,000	0			
Totals ►			18(b)	200,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years. ....	19a 0
b Contributions made to avoid restrictions adjusted to valuation date .....	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....	19c 198,422
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....	<b>21b</b>			4
<b>22</b> Weighted average retirement age .....	<b>22</b>			66
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute				

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information	
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....	<b>31a</b>	258,509	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	162,650	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	<b>34</b>	95,859	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	95,859	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	198,422	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	102,563	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
---

**Schedule SB, line 15 -**

**Reconciliation of differences between valuation results and amounts used to  
calculate AFTAP**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

The percentage shown on line 15 is equal to the sum of the market value of assets on the valuation date and the discounted value of contributions received for the current plan year after the valuation date, divided by the sum of the current year's funding target and target normal cost.

**Schedule SB, line 22 –**

**Weighted average retirement age**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

It was assumed that the business owners will retire at age 73, and that all other participants will retire at Normal Retirement Age (65), or the current valuation date, if later.

## **Schedule SB, Part V –**

### **Statement of Actuarial Assumptions/Methods**

#### **Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Funding Method: PPA-mandated actuarial cost method
- Asset valuation method: Market value of assets (no smoothing)
- Assumed retirement age: Business owners: 73; all others: Normal Retirement Age, or current val. date, if later
- Assumed withdrawal rates: None
- Assumed form of benefit payout: Lump sum benefit
- Type of mortality tables used: Static, combined tables
- Pre-retirement mortality assumption: None
- Assumed future annual salary increases: 0%
- Addition to target normal cost for expenses: None
- Assumed future interest crediting rate: 3%



**Schedule SB, Part V –**  
**Summary of Plan Provisions**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Eligibility: Age 21 and 1 year of service (monthly entry dates)
- Theoretical contributions: Varies by class.
- Compensation: W-2 comp as a participant with add back of 401k deferrals
- Normal annuity form: Single life annuity
- NRA: Age 65 (exact date of attainment)
- Interest crediting rate: flat 3% per annum
- Vesting: 3-year cliff

Schedule SB, line 26a - Schedule of Active Participant Data

**PLAN:** Home Energy Solutions, Inc. Cash Balance Plan

**EIN/PN:** 45-0575808 / 002

**PYE:** 12/31/2024

Attained Age	Years of Credited Service									
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25										
25 to 29		1								
30 to 34		5								
35 to 39		5								
40 to 44										
45 to 49										
50 to 54		1								
55 to 59										
60 to 64		2								
65 to 69										
70 & up		1								

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**


▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Home Energy Solutions, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶ 002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Home Energy Solutions, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0575808
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I Basic Information</b>			
1 Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2024</u>			
2 Assets:			
a Market value .....		<b>2a</b>	984,266
b Actuarial value .....		<b>2b</b>	984,266
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment .....	0	0	0
b For terminated vested participants .....	1	905	905
c For active participants .....	15	820,711	820,711
d Total .....	16	821,616	821,616
4 If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
a Funding target disregarding prescribed at-risk assumptions .....		<b>4a</b>	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....		<b>4b</b>	
5 Effective interest rate .....	<b>5</b>	5.30%	
6 Target normal cost			
a Present value of current plan year accruals .....	<b>6a</b>	258,509	
b Expected plan-related expenses .....	<b>6b</b>	0	
c Target normal cost .....	<b>6c</b>	258,509	

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		04/17/2025
Daniel L. Ruehr, ASA		Date
Type or print name of actuary		2308234
Tycor Benefit Administrators, Inc.		Most recent enrollment number
Firm name		610-251-0670
955 Chesterbrook Blvd, Suite 310		Telephone number (including area code)
Wayne PA 19087		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2024  
v. 240311

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
9	Amount remaining (line 7 minus line 8) .....	0	0
10	Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year) .....		40,352
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> % .....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	c Total available at beginning of current plan year to add to prefunding balance .....		40,352
	d Portion of (c) to be added to prefunding balance .....		0
12	Other reductions in balances due to elections or deemed elections .....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

Part III Funding Percentages			
14	Funding target attainment percentage .....	14	119.79%
15	Adjusted funding target attainment percentage .....	15	109.49%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	16	110.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200,000	0			
Totals ►			18(b)	200,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years. ....	19a 0
b Contributions made to avoid restrictions adjusted to valuation date .....	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....	19c 198,422
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year

(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....	<b>21b</b>			4
<b>22</b> Weighted average retirement age .....	<b>22</b>			66
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute				

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information	
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....	<b>31a</b>	258,509	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	162,650	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	<b>34</b>	95,859	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	95,859	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	198,422	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	102,563	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
---

**Schedule SB, line 15 -**

**Reconciliation of differences between valuation results and amounts used to  
calculate AFTAP**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

The percentage shown on line 15 is equal to the sum of the market value of assets on the valuation date and the discounted value of contributions received for the current plan year after the valuation date, divided by the sum of the current year's funding target and target normal cost.



**Schedule SB, line 22 –**

**Weighted average retirement age**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

It was assumed that the business owners will retire at age 73, and that all other participants will retire at Normal Retirement Age (65), or the current valuation date, if later.

## **Schedule SB, Part V –**

### **Statement of Actuarial Assumptions/Methods**

#### **Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Funding Method: PPA-mandated actuarial cost method
- Asset valuation method: Market value of assets (no smoothing)
- Assumed retirement age: Business owners: 73; all others: Normal Retirement Age, or current val. date, if later
- Assumed withdrawal rates: None
- Assumed form of benefit payout: Lump sum benefit
- Type of mortality tables used: Static, combined tables
- Pre-retirement mortality assumption: None
- Assumed future annual salary increases: 0%
- Addition to target normal cost for expenses: None
- Assumed future interest crediting rate: 3%

**Schedule SB, Part V –  
Summary of Plan Provisions**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Eligibility: Age 21 and 1 year of service (monthly entry dates)
- Theoretical contributions: Varies by class.
- Compensation: W-2 comp as a participant with add back of 401k deferrals
- Normal annuity form: Single life annuity
- NRA: Age 65 (exact date of attainment)
- Interest crediting rate: flat 3% per annum
- Vesting: 3-year cliff

Schedule SB, line 26a - Schedule of Active Participant Data

**PLAN:** Home Energy Solutions, Inc. Cash Balance Plan

**EIN/PN:** 45-0575808 / 002

**PYE:** 12/31/2024

Attained Age	Years of Credited Service									
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25										
25 to 29		1								
30 to 34		5								
35 to 39		5								
40 to 44										
45 to 49										
50 to 54		1								
55 to 59										
60 to 64		2								
65 to 69										
70 & up		1								

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**


▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Home Energy Solutions, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶ 002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Home Energy Solutions, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0575808
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I Basic Information</b>			
<b>1</b> Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2024</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....		<b>2a</b>	984,266
<b>b</b> Actuarial value .....		<b>2b</b>	984,266
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	0	0	0
<b>b</b> For terminated vested participants .....	1	905	905
<b>c</b> For active participants .....	15	820,711	820,711
<b>d</b> Total .....	16	821,616	821,616
<b>4</b> If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
<b>a</b> Funding target disregarding prescribed at-risk assumptions .....		<b>4a</b>	
<b>b</b> Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....		<b>4b</b>	
<b>5</b> Effective interest rate .....	<b>5</b>	5.30%	
<b>6</b> Target normal cost			
<b>a</b> Present value of current plan year accruals .....		<b>6a</b>	258,509
<b>b</b> Expected plan-related expenses .....		<b>6b</b>	0
<b>c</b> Target normal cost .....		<b>6c</b>	258,509

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		04/17/2025
Signature of actuary		Date
Daniel L. Ruehr, ASA		2308234
Type or print name of actuary		Most recent enrollment number
Tycor Benefit Administrators, Inc.		610-251-0670
Firm name		Telephone number (including area code)
955 Chesterbrook Blvd, Suite 310		
Wayne PA 19087		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2024  
v. 240311

<b>Part II Beginning of Year Carryover and Prefunding Balances</b>		(a) Carryover balance	(b) Prefunding balance
<b>7</b>	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
<b>8</b>	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
<b>9</b>	Amount remaining (line 7 minus line 8) .....	0	0
<b>10</b>	Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
<b>11</b>	Prior year's excess contributions to be added to prefunding balance:		
	<b>a</b> Present value of excess contributions (line 38a from prior year) .....		40,352
	<b>b(1)</b> Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> % .....		0
	<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		40,352
	<b>d</b> Portion of (c) to be added to prefunding balance .....		0
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

<b>Part III Funding Percentages</b>			
<b>14</b>	Funding target attainment percentage .....	<b>14</b>	119.79%
<b>15</b>	Adjusted funding target attainment percentage .....	<b>15</b>	109.49%
<b>16</b>	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	<b>16</b>	110.40%
<b>17</b>	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	<b>17</b>	%

<b>Part IV Contributions and Liquidity Shortfalls</b>					
<b>18</b> Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200,000	0			
<b>Totals ►</b>			<b>18(b)</b>	200,000	<b>18(c)</b>
					0

<b>19</b>	Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
	<b>a</b> Contributions allocated toward unpaid minimum required contributions from prior years. ....	0
	<b>b</b> Contributions made to avoid restrictions adjusted to valuation date .....	0
	<b>c</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....	198,422
<b>20</b>	Quarterly contributions and liquidity shortfalls:	
	<b>a</b> Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	<b>b</b> If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
	<b>c</b> If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th



**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....	<b>21b</b>			4
<b>22</b> Weighted average retirement age .....	<b>22</b>			66
<b>23</b> Mortality table(s) (see instructions)	<input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute			

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information	
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....	<b>27</b>

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29) .....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....	<b>31a</b>	258,509	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	162,650	
<b>32</b> Amortization installments:	Outstanding Balance	Installment	
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....	0	0	
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....	<b>33</b>		
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	<b>34</b>	95,859	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	95,859	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	198,422	
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)	<b>38a</b>	102,563	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>	0	
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....	<b>39</b>	0	
<b>40</b> Unpaid minimum required contributions for all years .....	<b>40</b>	0	

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
---

**Schedule SB, line 15 -**

**Reconciliation of differences between valuation results and amounts used to  
calculate AFTAP**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

The percentage shown on line 15 is equal to the sum of the market value of assets on the valuation date and the discounted value of contributions received for the current plan year after the valuation date, divided by the sum of the current year's funding target and target normal cost.

**Schedule SB, line 22 –**

**Weighted average retirement age**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

It was assumed that the business owners will retire at age 73, and that all other participants will retire at Normal Retirement Age (65), or the current valuation date, if later.

## **Schedule SB, Part V –**

### **Statement of Actuarial Assumptions/Methods**

#### **Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Funding Method: PPA-mandated actuarial cost method
- Asset valuation method: Market value of assets (no smoothing)
- Assumed retirement age: Business owners: 73; all others: Normal Retirement Age, or current val. date, if later
- Assumed withdrawal rates: None
- Assumed form of benefit payout: Lump sum benefit
- Type of mortality tables used: Static, combined tables
- Pre-retirement mortality assumption: None
- Assumed future annual salary increases: 0%
- Addition to target normal cost for expenses: None
- Assumed future interest crediting rate: 3%

**Schedule SB, Part V –**  
**Summary of Plan Provisions**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Eligibility: Age 21 and 1 year of service (monthly entry dates)
- Theoretical contributions: Varies by class.
- Compensation: W-2 comp as a participant with add back of 401k deferrals
- Normal annuity form: Single life annuity
- NRA: Age 65 (exact date of attainment)
- Interest crediting rate: flat 3% per annum
- Vesting: 3-year cliff

Schedule SB, line 26a - Schedule of Active Participant Data

**PLAN:** Home Energy Solutions, Inc. Cash Balance Plan

**EIN/PN:** 45-0575808 / 002

**PYE:** 12/31/2024

Attained Age	Years of Credited Service									
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25										
25 to 29		1								
30 to 34		5								
35 to 39		5								
40 to 44										
45 to 49										
50 to 54		1								
55 to 59										
60 to 64		2								
65 to 69										
70 & up		1								

<b>SCHEDULE SB</b> <b>(Form 5500)</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Single-Employer Defined Benefit Plan</b> <b>Actuarial Information</b>  This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code).  ▶ <b>File as an attachment to Form 5500 or 5500-SF.</b>	OMB No. 1210-0110  <b>2024</b>  <b>This Form is Open to Public Inspection</b>
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

▶ **Round off amounts to nearest dollar.**


▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan Home Energy Solutions, Inc. Cash Balance Plan	<b>B</b> Three-digit plan number (PN) ▶ 002
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Home Energy Solutions, Inc.	<b>D</b> Employer Identification Number (EIN) 45-0575808
<b>E</b> Type of plan: <input checked="" type="checkbox"/> Single <input type="checkbox"/> Multiple-A <input type="checkbox"/> Multiple-B	<b>F</b> Prior year plan size: <input checked="" type="checkbox"/> 100 or fewer <input type="checkbox"/> 101-500 <input type="checkbox"/> More than 500

<b>Part I Basic Information</b>			
1 Enter the valuation date: Month <u>12</u> Day <u>31</u> Year <u>2024</u>			
2 Assets:			
a Market value .....		<b>2a</b>	984,266
b Actuarial value .....		<b>2b</b>	984,266
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment .....	0	0	0
b For terminated vested participants .....	1	905	905
c For active participants .....	15	820,711	820,711
d Total .....	16	821,616	821,616
4 If the plan is in at-risk status, check the box and complete lines (a) and (b) <input type="checkbox"/>			
a Funding target disregarding prescribed at-risk assumptions .....		<b>4a</b>	
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor .....		<b>4b</b>	
5 Effective interest rate .....	<b>5</b>	5.30%	
6 Target normal cost			
a Present value of current plan year accruals .....	<b>6a</b>	258,509	
b Expected plan-related expenses .....	<b>6b</b>	0	
c Target normal cost .....	<b>6c</b>	258,509	

**Statement by Enrolled Actuary**

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

<b>SIGN HERE</b>		04/17/2025
Signature of actuary		Date
Daniel L. Ruehr, ASA		2308234
Type or print name of actuary		Most recent enrollment number
Tycor Benefit Administrators, Inc.		610-251-0670
Firm name		Telephone number (including area code)
955 Chesterbrook Blvd, Suite 310		
Wayne PA 19087		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2024  
v. 240311

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year) .....	0	0
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year) .....	0	0
9	Amount remaining (line 7 minus line 8) .....	0	0
10	Interest on line 9 using prior year's actual return of <u>0.00</u> % .....	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year) .....		40,352
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.22</u> % .....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		0
	c Total available at beginning of current plan year to add to prefunding balance .....		40,352
	d Portion of (c) to be added to prefunding balance .....		0
12	Other reductions in balances due to elections or deemed elections .....	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12) .....	0	0

Part III Funding Percentages			
14	Funding target attainment percentage .....	14	119.79%
15	Adjusted funding target attainment percentage .....	15	109.49%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement .....	16	110.40%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage .....	17	%

Part IV Contributions and Liquidity Shortfalls					
18 Contributions made to the plan for the plan year by employer(s) and employees:					
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
02/25/2025	200,000	0			
Totals ►			18(b)	200,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:	
a Contributions allocated toward unpaid minimum required contributions from prior years. ....	19a 0
b Contributions made to avoid restrictions adjusted to valuation date .....	19b 0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....	19c 198,422
20 Quarterly contributions and liquidity shortfalls:	
a Did the plan have a "funding shortfall" for the prior year? .....	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? .....	<input type="checkbox"/> Yes <input type="checkbox"/> No
c If line 20a is "Yes," see instructions and complete the following table as applicable:	

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th



**Part V Assumptions Used to Determine Funding Target and Target Normal Cost**

<b>21</b> Discount rate:			
<b>a</b> Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %
			<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....			<b>21b</b> 4
<b>22</b> Weighted average retirement age .....			<b>22</b> 66
<b>23</b> Mortality table(s) (see instructions) <input checked="" type="checkbox"/> Prescribed - combined <input type="checkbox"/> Prescribed - separate <input type="checkbox"/> Substitute			

**Part VI Miscellaneous Items**

<b>24</b> Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.....		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>25</b> Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment. ....		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>26</b> Demographic and benefit information		
<b>a</b> Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment. ....		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>b</b> Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment ...		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>27</b> If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment.....		<b>27</b>

**Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years**

<b>28</b> Unpaid minimum required contributions for all prior years .....	<b>28</b>	0
<b>29</b> Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a).....	<b>29</b>	0
<b>30</b> Remaining amount of unpaid minimum required contributions (line 28 minus line 29).....	<b>30</b>	0

**Part VIII Minimum Required Contribution For Current Year**

<b>31</b> Target normal cost and excess assets (see instructions):			
<b>a</b> Target normal cost (line 6c).....		<b>31a</b>	258,509
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....		<b>31b</b>	162,650
<b>32</b> Amortization installments:		Outstanding Balance	Installment
<b>a</b> Net shortfall amortization installment .....		0	0
<b>b</b> Waiver amortization installment .....		0	0
<b>33</b> If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount .....		<b>33</b>	
<b>34</b> Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....		<b>34</b>	95,859
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....	0	0	0
<b>36</b> Additional cash requirement (line 34 minus line 35).....		<b>36</b>	95,859
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....		<b>37</b>	198,422
<b>38</b> Present value of excess contributions for current year (see instructions)			
<b>a</b> Total (excess, if any, of line 37 over line 36)		<b>38a</b>	102,563
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....		<b>38b</b>	0
<b>39</b> Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37).....		<b>39</b>	0
<b>40</b> Unpaid minimum required contributions for all years .....		<b>40</b>	0

**Part IX Pension Funding Relief Under the American Rescue Plan Act of 2021 (See Instructions)**

<b>41</b> If an election was made to use the extended amortization rule for a plan year beginning on or before December 31, 2021, check the box to indicate the first plan year for which the rule applies. <input type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021
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**Schedule SB, line 15 -**

**Reconciliation of differences between valuation results and amounts used to  
calculate AFTAP**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

The percentage shown on line 15 is equal to the sum of the market value of assets on the valuation date and the discounted value of contributions received for the current plan year after the valuation date, divided by the sum of the current year's funding target and target normal cost.

**Schedule SB, line 22 –**

**Weighted average retirement age**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

It was assumed that the business owners will retire at age 73, and that all other participants will retire at Normal Retirement Age (65), or the current valuation date, if later.

## **Schedule SB, Part V –**

### **Statement of Actuarial Assumptions/Methods**

#### **Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Funding Method: PPA-mandated actuarial cost method
- Asset valuation method: Market value of assets (no smoothing)
- Assumed retirement age: Business owners: 73; all others: Normal Retirement Age, or current val. date, if later
- Assumed withdrawal rates: None
- Assumed form of benefit payout: Lump sum benefit
- Type of mortality tables used: Static, combined tables
- Pre-retirement mortality assumption: None
- Assumed future annual salary increases: 0%
- Addition to target normal cost for expenses: None
- Assumed future interest crediting rate: 3%

**Schedule SB, Part V –**  
**Summary of Plan Provisions**

**Home Energy Solutions, Inc. Cash Balance Plan**

**EIN/PN: 45-0575808 / 002**

**PLAN YEAR ENDED: 12/31/24**

- Eligibility: Age 21 and 1 year of service (monthly entry dates)
- Theoretical contributions: Varies by class.
- Compensation: W-2 comp as a participant with add back of 401k deferrals
- Normal annuity form: Single life annuity
- NRA: Age 65 (exact date of attainment)
- Interest crediting rate: flat 3% per annum
- Vesting: 3-year cliff

Schedule SB, line 26a - Schedule of Active Participant Data

**PLAN:** Home Energy Solutions, Inc. Cash Balance Plan

**EIN/PN:** 45-0575808 / 002

**PYE:** 12/31/2024

Attained Age	Years of Credited Service									
	Under 1	1 to 4	5 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 & up
Under 25										
25 to 29		1								
30 to 34		5								
35 to 39		5								
40 to 44										
45 to 49										
50 to 54		1								
55 to 59										
60 to 64		2								
65 to 69										
70 & up		1								