

<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>2023</div> <div>This Form is Open to Public Inspection</div>
---	---	---

Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
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 checked="" 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 TOTAL ENERGY MANAGEMENT & HVAC SERVICES, INC. CASH BALANCE PLAN	1b Three-digit plan number (PN) ▶ 002
		1c Effective date of plan 01/01/2015
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) TOTAL ENERGY MANAGEMENT & HVAC SERVICES, INC.  2521 STEVENS DRIVE RICHLAND, WA 99354	2b Employer Identification Number (EIN) 91-1255523
		2c Sponsor's telephone number 509-946-4500
		2d Business code (see instructions) 238220
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 34
b	Total number of participants at the end of the plan year	5b 35
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) 21
d(2)	Total number of active participants at the end of the plan year	5d(2) 18
e	Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	5e 0

**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.	10/08/2024	AARON DEWITT
	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 531291. (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>	1104828	1399970
<b>b</b> Total plan liabilities .....	<b>7b</b>		
<b>c</b> Net plan assets (subtract line 7b from line 7a) .....	<b>7c</b>	1104828	1399970
<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>	140574	
<b>(2)</b> Participants .....	<b>8a(2)</b>		
<b>(3)</b> Others (including rollovers) .....	<b>8a(3)</b>		
<b>b</b> Other income (loss) .....	<b>8b</b>	163120	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		303694
<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>	8552	
<b>g</b> Other expenses .....	<b>8g</b>		
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		8552
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		295142
<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:  
**1B 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</b> During the plan year:	<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	120000
<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>		
<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 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>	<b>13c(2)</b>	<b>13c(3)</b>
Name of plan(s):	EIN(s)	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 type="checkbox"/> Yes <input checked="" 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>12/03/2021</u> (MM/DD/YYYY) and the Opinion Letter serial number <u>J504672A</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>2023</div> <div>This Form is Open to Public Inspection</div>
--	---	--

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
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 TOTAL ENERGY MANAGEMENT & HVAC SERVICES, 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 TOTAL ENERGY MANAGEMENT & HVAC SERVICES, INC.	D Employer Identification Number (EIN) 91-1255523
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 2023			
2	Assets:			
a	Market value	2a	1220037	
b	Actuarial value	2b	1220037	
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	22	29083	29083
c	For active participants	17	1165967	1168829
d	Total	39	1195050	1197912
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	5.08 %	
6	Target normal cost			
a	Present value of current plan year accruals	6a	152030	
b	Expected plan-related expenses	6b	0	
c	Target normal cost	6c	152030	

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>CLIFF WOODHALL, EA, MSEA, CPC</div> <div>Type or print name of actuary</div> <div>ALERUS RETIREMENT CONSULTING</div> <div>Firm name</div> <div>P.O. BOX 64535 ST. PAUL, MN 55164</div> <div>Address of the firm</div>	<div>09/25/2024</div> <div>Date</div> <div>23-06783</div> <div>Most recent enrollment number</div> <div>651-746-6196</div> <div>Telephone number (including area code)</div>
--------------------------	--	--

**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 <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) .....		29
<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>5.24</u> % .....		0
<b>b(2)</b> Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		
<b>c</b> Total available at beginning of current plan year to add to prefunding balance .....		29
<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>	101.84 %
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	100.28 %
<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>	97.50 %
<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
09/12/2024	140574	0			
<b>Totals ▶</b>			<b>18(b)</b>	140574	<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>	130419

**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
0	0	0	0

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

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 4.75 %	2nd segment: 5.00 %	3rd segment: 5.74 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....				<b>21b</b> 0
<b>22</b> Weighted average retirement age .....				<b>22</b> 65
<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>	152030	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	22125	
<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>	129905	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement .....			0
<b>36</b> Additional cash requirement (line 34 minus line 35).....	<b>36</b>	129905	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	130419	
<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>	514	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>		
<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
---

**Total Energy Management & HVAC Services, Inc. Cash Balance Plan**

Schedule of Active Participant Data

Plan Year: 1/1/2023 to 12/31/2023

Valuation Date: 12/31/2023

Svc/ Age	<1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40+	Total
<25	0	0	0	0	0	0	0	0	0	0	0
25-29	0	3	1	0	0	0	0	0	0	0	4
30-34	0	2	0	0	0	0	0	0	0	0	2
35-39	0	0	2	0	0	0	0	0	0	0	2
40-44	0	3	0	0	0	0	0	0	0	0	3
45-49	0	0	1	0	0	0	0	0	0	0	1
50-54	0	0	1	0	0	0	0	0	0	0	1
55-59	0	1	1	0	0	0	0	0	0	0	2
60-64	0	1	1	0	0	0	0	0	0	0	2
65-69	0	0	0	0	0	0	0	0	0	0	0
70+	0	0	0	0	0	0	0	0	0	0	0
Total	0	10	7	0	0	0	0	0	0	0	17

\* Employees who have not met the minimum eligibility requirements are excluded

Average Age: 42.1

Average Service: 5

**Total Energy Management & HVAC Services, Inc. Cash Balance Plan**

Summary of Actuarial Assumptions and Method

Plan Year: 1/1/2023 to 12/31/2023

Valuation Date: 12/31/2023

	For Funding			For 417(e)		For Actuarial Equiv.
		Min	Max			
Interest Rates	Seg 1:	4.75%	3.42%	Seg 1:	5.45%	Pre-Retirement: 5.00%
	Seg 2:	5.00%	4.33%	Seg 2:	5.52%	Post-Retirement: 5.00%
	Seg 3:	5.74%	4.43%	Seg 3:	5.43%	
Applicable Date	08/2023	08/2023		08/2023		
Pre-Retirement						
Turnover	None			None		None
Mortality	None			None		None
Assumed Ret Age	Normal retirement age 65			Normal retirement age 65		Normal retirement age 65
Post-Retirement						
Mortality	Male-2023 Static Table - Combined Male Female-2023 Static Table - Combined Female			2023 Applicable Mortality Table from Notice 2022-22		2023 Applicable Mortality Table from Notice 2022-22
Assumed Benefit Form For Funding				100% Lump Sum / 0% Normal Form		
Assumed Spouse's Age	Spouse assumed to be the same age as participant			Spouse assumed to be the same age as participant		
	Participant is assumed to be married to current spouse at retirement if spouse's date of birth is known			Participant is assumed to be married to current spouse at retirement if spouse's date of birth is known		
Calculated Effective Interest Rate				5.08%		
Cash Balance Projected Interest Crediting Rate				5.00% annual rate		
Cash Balance Post-Retirement Conversion Assumptions				5.00% interest 2023 Applicable Mortality Table from Notice 2022-22		
Actuarial Cost Method				The Unit Credit funding method was used as prescribed by the Pension Protection Act. This method sets the funding target equal to the present value of accrued benefits, and sets the normal cost equal to the present value of the benefit accrued in the current year.		

An actuarial value of assets is used for funding purposes. This year the actuarial value of assets is 100.0% of the market value of assets.



## **Total Energy Management & HVAC Services, Inc. Cash Balance Plan**

Summary of Actuarial Assumptions and Method

Plan Year: 1/1/2023 to 12/31/2023

Valuation Date: 12/31/2023

### **Rationale for Selection of Actuarial Assumptions**

1

While preparing this valuation, we used economic assumptions. These assumptions may include inflation, investment return, discount rate, compensation scales, social security benefits, cost-of-living adjustments, growth of individual account balances, and variable conversion factors for forms of payment. Some of these may have been prescribed by Law or limited by Law. For example, qualified retirement plans may not consider compensation above an annually adjusted limit. Economic assumptions are listed in the Summary of Actuarial Assumptions section of the valuation report if an assumption was determined to be material for the valuation results.

Whereas each economic assumption used that was not prescribed by Law represents an estimate of future experience or the estimates inherent in financial market data, they were chosen as the best reasonable estimate to represent the anticipated experience of the Plan for this valuation. These assumptions may be different than prior valuations and may change for future valuations for this Plan. If there was a change in an assumption from the preceding valuation, it was to improve the assumptions to reflect better the expectations of the Plan, given more information is available since the prior valuation. Events after each valuation date do not impact the economic assumptions considered for that valuation.

In addition to economic assumptions, demographic and noneconomic assumptions were used in preparing this valuation. These assumptions may include the timing of participants' retirement, termination of employment, the chance of becoming disabled, and their possible elected form of benefit payments. These may be tables with many factors or single points of estimation. In addition, mortality tables (improved by either fixed amounts for the year or 2D projected improvements for individual adjustments), plan expenses, employees' service hours (for future employment), marriage, and estimates to complete missing participant data, like incomplete service history, were considered. Some of these may have been prescribed by Law or limited by Law. For example, small-qualified plans are required to use a specific set of mortality tables for the Internal Revenue Code's and ERISA's Minimum Funding Requirements. Noneconomic assumptions are listed in the Summary of Actuarial Assumptions section of the valuation report if the assumption was determined to be material for the valuation results.

Whereas noneconomic and demographic assumption used that was not prescribed by law or prescribed by others, they were chosen as the best

<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>2023</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

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

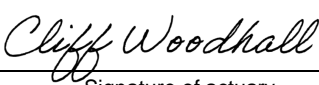
▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

<b>A</b> Name of plan TOTAL ENERGY MANAGEMENT & HVAC SERVICES, 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 Total Energy Management & HVAC Services, Inc.	<b>D</b> Employer Identification Number (EIN) 91-1255523
<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</b>	<b>Basic Information</b>
<b>1</b> Enter the valuation date: Month 12 Day 31 Year 2023	
<b>2</b> Assets:	
<b>a</b> Market value.....	<b>2a</b> 1,220,037
<b>b</b> Actuarial value .....	<b>2b</b> 1,220,037
<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.....	22 29,083 29,083
<b>c</b> For active participants.....	17 1,165,967 1,168,829
<b>d</b> Total .....	39 1,195,050 1,197,912
<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> 5.08%
<b>6</b> Target normal cost	
<b>a</b> Present value of current plan year accruals.....	<b>6a</b> 152,030
<b>b</b> Expected plan-related expenses .....	<b>6b</b> 0
<b>c</b> Target normal cost.....	<b>6c</b> 152,030

**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>	 Signature of actuary	09/25/2024 Date
Cliff Woodhall, EA, MSEA, CPC	Type or print name of actuary	2306783 Most recent enrollment number
Alerus Retirement Consulting	Firm name	651-746-6196 Telephone number (including area code)
P.O. Box 64535		
St. Paul MN 55164	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 ☐

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) .....		29
	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>5.24</u> % .....		0
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return .....		
	c Total available at beginning of current plan year to add to prefunding balance .....		29
	d Portion of (c) to be added to prefunding balance .....		
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 .....	<b>14</b>	101.84 %
15	Adjusted funding target attainment percentage .....	<b>15</b>	100.28 %
16	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>	97.50 %
17	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
09/12/2024	140,574	0			
<b>Totals ►</b>			<b>18(b)</b>	140,574	<b>18(c)</b> <span style="float: right;">0</span>

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 .....		<b>19a</b>	0
b Contributions made to avoid restrictions adjusted to valuation date. ....		<b>19b</b>	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date. ....		<b>19c</b>	130,419
20 Quarterly contributions and liquidity shortfalls:			
a Did the plan have a "funding shortfall" for the prior year? .....			<input checked="" type="checkbox"/> Yes <input 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 checked="" 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
0	0	0	0

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

<b>21</b> Discount rate:				
<b>a</b> Segment rates:	1st segment: 4.75 %	2nd segment: 5.00 %	3rd segment: 5.74 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code).....				<b>21b</b> 0
<b>22</b> Weighted average retirement age .....				<b>22</b> 65
<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>	152,030	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	22,125	
<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>	129,905	
	Carryover balance	Prefunding balance	Total balance
<b>35</b> Balances elected for use to offset funding requirement.....			0
<b>36</b> Additional cash requirement (line 34 minus line 35) .....	<b>36</b>	129,905	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c).....	<b>37</b>	130,419	
<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>	514	
<b>b</b> Portion included in line 38a attributable to use of prefunding and funding standard carryover balances .....	<b>38b</b>		
<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
---

**Total Energy Management & HVAC Services, Inc. Cash Balance Plan**  
**Employer ID# 91-1255523: Plan No. 002**  
Quarterly Installment Payment: \$29,679.00

**Schedule SB, line 19 - Discounted Employer Contributions**

Plan Year: 1/1/2023 to 12/31/2023  
Valuation Date: 12/31/2023

<u>Date</u>	<u>Amount</u>	<u>Year</u>	<u>Rate</u>	<u>Period</u>	<u>Adj Cth</u>
09-12-2024	29,679.00	2023	10.08%	09-12-2024 to 04-15-2023	
			5.08%	04-15-2023 to 12-31-2023	26,851.65
	29,679.00	2023	10.08%	09-12-2024 to 07-15-2023	
			5.08%	07-15-2023 to 12-31-2023	27,165.52
	29,679.00	2023	10.08%	09-12-2024 to 10-15-2023	
			5.08%	10-15-2023 to 12-31-2023	27,483.06
	29,679.00	2023	10.08%	09-12-2024 to 01-15-2024	
			5.08%	01-15-2024 to 12-31-2023	27,804.32
	21,858.01	2023	5.08%	09-12-2024 to 12-31-2023	21,113.96
<b>Totals:</b>	<b>140,574.01</b>				<b>130,418.51</b>

<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 contribution from prior years	<b>19a</b>		0.00	
<b>b</b>	Contributions made to avoid benefit restrictions adjusted to valuation date	<b>19b</b>		0.00	
<b>c</b>	Contributions allocated toward minimum required contribution for current year, adjusted to valuation date	<b>19c</b>		130,418.51	

**Total Energy Management & HVAC Services, Inc. Cash Balance Plan**

Weighted Average Retirement Age

Plan Year: 1/1/2023 to 12/31/2023

Valuation Date: 12/31/2023

Assumed Retirement Age - 100% of the participants are assumed to retire at the date the plan's normal retirement age is attained, which is defined as:

Attainment of age 65

Participants who have passed their Normal Retirement Date as defined above are assumed to retire on the valuation date.

Weighted average retirement age 65

## Total Energy Management & HVAC Services, Inc. Cash Balance Plan

Summary of Plan Provisions  
Plan Year: 1/1/2023 to 12/31/2023  
Valuation Date: 12/31/2023

<b>Plan Effective Date</b>	January 1, 2015
<b>Plan Year</b>	From January 1, 2023 to December 31, 2023
<b>Eligibility</b>	<p>All employees not excluded by class are eligible to enter on the beginning of the month coincident with or following the completion of the following requirements:</p> <p>1 year of service Minimum age 21</p> <p>Union, Leased, Nonresident Aliens, Residents of Puerto Rico and employees who are not owners, Dept. Managers &amp; Dept Admin.</p>
<b>Normal Retirement Age</b>	All participants are eligible to retire with their full retirement benefit on attainment of age 65
<b>Cash Balance Contribution Credit</b>	<p>The plan provides the following cash balance contribution credits to participants based on their group classification:</p> <p>Group 1: \$75,000</p> <p>The plan provides a minimum benefit of 0.5% of compensation.</p> <p>The maximum monthly benefit is the lesser of \$22,083.33 and 100% of the highest 3-year average salary, subject to service requirements.</p> <p>Salary based contribution credits are applied to current compensation.</p>
<b>Normal Form of Benefit</b>	A benefit payable for the life of the participant
<b>Accrued Benefit</b>	<p>The normal retirement benefit described above calculated based on salary and/or service on the calculation date, and payable on the normal retirement date.</p> <p>Credited years are plan years from the first day of the plan year containing date of entry excluding the following:</p> <p>Years with less than 1,000 hours</p>
<b>Termination Benefit</b>	Upon termination for any reason other than death or retirement a participant shall be entitled to a portion of the actuarial equivalent of his accrued benefit in accordance with the following vesting schedule:

<u>Credited Years</u>	<u>Vested Percent</u>
1	0
2	0
3	100

Credited years are plan years from date of hire excluding the

**Total Energy Management & HVAC Services, Inc. Cash Balance Plan**

Summary of Plan Provisions

Plan Year: 1/1/2023 to 12/31/2023

Valuation Date: 12/31/2023

following:

Years with less than 1,000 hours

**Top-Heavy Minimum Benefit**

Top-heavy minimum benefits are provided under another plan of the employer

**Top-Heavy Status**

A plan is top-heavy if over 60% of the value of all accrued benefits in all of the employer's plans are for the benefit of key employees. A key employee is generally an officer or owner of the company. This plan is currently top-heavy.

**Death Benefit**

Actuarial Equivalent of the accrued benefit earned to date of death

**Cash Balance**

The annual Interest Crediting Rate for this plan year is 5.00%