

Form 5500-SF

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration
Pension Benefit Guaranty Corporation

Short Form Annual Return/Report of Small Employee Benefit Plan

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).

▶ **Complete all entries in accordance with the instructions to the Form 5500-SF.**

OMB Nos. 1210-0110
1210-0089

2024

This Form is Open to Public Inspection

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: a single-employer plan 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 the first return/report the final return/report
 an amended return/report a short plan year return/report (less than 12 months)
- C** Check box if filing under: Form 5558 automatic extension DFVC program
 special extension (enter description)
- D** If the plan is a collectively-bargained plan, check here ▶
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here ▶

Part II Basic Plan Information—enter all requested information

1a Name of plan <u>ENERGYBITS, INC. CASH BALANCE PLAN</u>	1b Three-digit plan number (PN) ▶	<u>002</u>
	1c Effective date of plan	<u>01/01/2023</u>
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) <u>ENERGYBITS, INC.</u> <u>9 HAWTHORNE PLACE</u> <u>SUITE 6R</u> <u>BOSTON, MA 02114</u>	2b Employer Identification Number (EIN)	<u>46-4484686</u>
	2c Sponsor's telephone number	<u>617-219-9679</u>
	2d Business code (see instructions)	<u>446190</u>
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	<u>4</u>
b Total number of participants at the end of the plan year	5b	<u>5</u>
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)	<u>4</u>
d(2) Total number of active participants at the end of the plan year	5d(2)	<u>5</u>
e Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	5e	<u>0</u>

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.	<u>07/14/2025</u>	<u>CATHARINE ARNSTON</u>
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	<u>07/14/2025</u>	<u>CATHARINE ARNSTON</u>
	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 538458. (See instructions.)

Part III Financial Information			
7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	263948	566665
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	263948	566665
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	301944	
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	773	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		302717
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d		
e Certain deemed and/or corrective distributions (see instructions) .	8e		
f Administrative service providers (salaries, fees, commissions)	8f		
g Other expenses	8g		
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		
i Net income (loss) (subtract line 8h from line 8c)	8i		302717
j Transfers to (from) the plan (see instructions)	8j		

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: <u>1A 1C 3D</u>
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				
10 During the plan year:		Yes	No	Amount
a 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)	10a		X	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X	
c Was the plan covered by a fidelity bond?	10c		X	
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X	
e 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.)	10e		X	
f Has the plan failed to provide any benefit when due under the plan?	10f		X	
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h		X	
i 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	10i			

Part VI Pension Funding Compliance

11 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. Yes No

a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** 0

b PBGC missed contribution reporting requirements. 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:
 Yes.
 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.
 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.
 No. Other. Provide explanation _____

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? Yes No
(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.

a 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

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year **12b**

c Enter the amount contributed by the employer to the plan for this plan year **12c**

d 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) **12d**

e Will the minimum funding amount reported on line 12d be met by the funding deadline?..... Yes No N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? Yes No

a If "Yes," enter the amount of any plan assets that reverted to the employer this year..... **13a**

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? Yes No

c 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.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

Part VIII IRS Compliance Questions

14a 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? Yes No

14b 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).
 Design-based safe harbor method
 "Prior year" ADP test
 "Current year" ADP test
 N/A

15 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 07 / 30 / 2021 (MM/DD/YYYY) and the Opinion Letter serial number Q705169A.

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Single-Employer Defined Benefit Plan Actuarial Information 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). ▶ File as an attachment to Form 5500 or 5500-SF.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection
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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 <u>ENERGYBITS, INC. CASH BALANCE PLAN</u>	B Three-digit plan number (PN) ▶	<u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>ENERGYBITS, INC.</u>	D Employer Identification Number (EIN) <u>46-4484686</u>	
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 <u>12</u> Day <u>31</u> Year <u>2024</u>		
2	Assets:		
	a Market value	2a	<u>263241</u>
	b Actuarial value	2b	<u>263241</u>
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	<u>0</u>	<u>0</u>
	b For terminated vested participants	<u>0</u>	<u>0</u>
	c For active participants	<u>5</u>	<u>0</u>
	d Total	<u>5</u>	<u>0</u>
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	<u>5.10 %</u>
6	Target normal cost		
	a Present value of current plan year accruals	6a	<u>294273</u>
	b Expected plan-related expenses	6b	<u>0</u>
	c Target normal cost	6c	<u>294273</u>

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.

SIGN HERE		
	Signature of actuary	<u>07/03/2025</u>
	<u>JUSTIN F.J. GREINDL FSA EA MSEA</u>	Date
	Type or print name of actuary	<u>23-07528</u>
	<u>FIDUS ACTUARIAL SOLUTIONS LLC</u>	Most recent enrollment number
	Firm name	<u>480-550-8820</u>
	<u>PO BOX 8606</u>	Telephone number (including area code)
	<u>MADEIRA BEACH, FL 33738</u>	
	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)		4849
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>4.83</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		4849
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	99.26 %
15	Adjusted funding target attainment percentage	15	100.22 %
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	100.00 %
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		
04/22/2024	42319	0					
06/20/2025	259625	0					
			Totals ▶	18(b)	301944	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	297444

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

21 Discount rate:

a Segment rates:	1st segment: 5.04 %	2nd segment: 5.32 %	3rd segment: 5.59 %	<input type="checkbox"/> N/A, full yield curve used
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b Applicable month (enter code) **21b** 4

22 Weighted average retirement age **22** 71

23 Mortality table(s) (see instructions) Prescribed - combined Prescribed - separate Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment..... Yes No

25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment..... Yes No

26 Demographic and benefit information

a Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment..... Yes No

b Is the plan required to provide a projection of expected benefit payments? If "Yes," see instructions regarding required attachment... Yes No

27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment..... **27**

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

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

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):

a Target normal cost (line 6c)	31a	294273
b Excess assets, if applicable, but not greater than line 31a	31b	0

32 Amortization installments:

	Outstanding Balance	Installment
a Net shortfall amortization installment	1940	181
b Waiver amortization installment.....	0	0

33 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..... **33**

34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33).....	34	294454
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	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement			0
36 Additional cash requirement (line 34 minus line 35)			294454
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)			297444

38 Present value of excess contributions for current year (see instructions)

a Total (excess, if any, of line 37 over line 36)	38a	2990
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances.....	38b	0

39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0
40 Unpaid minimum required contributions for all years	40	0

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

41 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. 2019 2020 2021

Schedule SB, Part V

Statement of Actuarial Assumptions/Methods

ENERGYbits, Inc. Cash Balance Plan

46-4484686 / 002

For the plan year 01/01/2024 through 12/31/2024

Valuation Date: 12/31/2024

Funding Method: As prescribed in IRC Section 430
Age - Eligibility age at last birthday and other ages at last birthday

Retrospective Compensation - Current compensation

Form of Payment - Assumed form of payment for funding is lump sum which is the Hypothetical Account Balance. Funding Target for lump sum is the current Hypothetical Account Balance projected to the assumed retirement date using the Interest Credit Rate discounted using appropriate segment rate. Lump sum on plan actuarial equivalence rates will not exceed 415 maximum allowable distribution, which is the lesser amount computed using a) 5.5% interest and the Applicable Mortality Table or b) plan actuarial equivalence interest and mortality

	Segment rates for the Fourth Month Prior to Val Date as permitted under IRC 430(h)(2)(C)	Segment rates as of September 30, 2023 As permitted under IRC 430(h)(2)(C)(iv)(II) - ARP
	Segment # Year Rate %	Segment # Year Rate %
Interest Rates -	Segment 1 0 - 5 5.04	Segment 1 0 - 5 5.04
	Segment 2 6 - 20 5.32	Segment 2 6 - 20 5.32
	Segment 3 > 20 5.33	Segment 3 > 20 5.59

Pre-Retirement - Mortality Table - None
Improvement Scale - None
Early Retirement Table - None
Turnover Table - None
Disability Table - None
Salary Scale - None
Interest Credit Rate - Current Yr - 5% Projected Yrs - 5%
Expense Load - None
Ancillary Ben Load - None

Post-Retirement - Mortality Table - 24C - 2024 Combined
Improvement Scale - None
Cost of Living - None

Asset Valuation Method: Fair market value of assets adjusted for contributions under IRC 430(g)(4)

Discrimination Test Assumptions:

HCE Determination - Based on all employees
Otherwise Excludable - Otherwise Excludable HCEs are included with the Not Otherwise Excludable employees

410(b)/401(a)(4) Testing:

Pre-Retirement - Interest - 8.5% CB Projection Rate - 5%
Post-Retirement - Interest - 8.5%
Mortality Table - G71M - 1971 Group Annuity (male)

Permissively Aggregated Plans - Tested as a Single Plan

Compensation - Use current compensation to calculate the benefit accrual rate (annual method)

Testing Age - Normal retirement age or attained age, if older

Testing Service - Separate benefiting service for DC and for DB for Accrued-to-Date Method

Normal Form for MVAR - Joint with 50% Survivor Benefits

Schedule SB, Part V

Statement of Actuarial Assumptions/Methods

ENERGYbits, Inc. Cash Balance Plan

46-4484686 / 002

For the plan year 01/01/2024 through 12/31/2024

401(a)(26) Testing:

Compensation - Use current compensation to calculate the benefit accrual rate for 401(a)(26)

Testing Age - Normal retirement age or attained age, if older

Actuarial Certification and Disclosures

ENERGYbits, Inc. Cash Balance Plan

For the plan year 01/01/2024 through 12/31/2024

Valuation Date: 12/31/2024

Contribution Risks: The minimum required contribution as stated in this valuation is mandated. Should this amount go unfunded, certainly the liabilities of this plan will become less covered by its trust assets. The current plan funding policy indicates that the minimum required contribution will be funded; thus, this valuation has not considered the possibility of unpaid contributions. If the Plan Sponsor knows of events that might impact its abilities to fund the minimum required contribution; these events should be discussed and evaluated as to how they may or may not impact the overall funded status of the plan.

Other Risks: No additional risks require emphasis at this time.

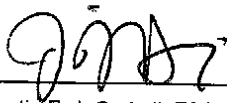
Modeling: The DATAIR Employee Benefit Systems, Inc. pension system was utilized for computations, leveraging its parameter-driven structure for accurate actuarial results. The decision to use this software was based on its reliability, efficiency, and the Actuary's expertise.

Actuarial Professional Credentials and Certifications: I am a member of the Society of Actuaries (SOA), American Society of Enrolled Actuaries (ASEA) and American Society of Pension Professionals and Actuaries (ASPPA).

I am actively enrolled by the Joint Board of the Enrollment of Actuaries. I am eligible to practice with respect to qualified retirement plans and to furnish the actuarial opinion outlined in the Actuarial Report, adhering to the qualification standards established by the American Academy of Actuaries. Throughout the preparation of the Actuarial Report, there was strict adherence to the guidance outlined in all Actuarial Standards of Practice. There is no discernible connection between the intended users, the Plan, its advisors, my firm, and/or myself that would compromise the impartiality of my findings or my actuarial opinion. Given the intended purpose of the Actuarial Report, there are no restrictions imposed on the report or its findings. To the best of my knowledge, the actuarial opinion and information presented in the Actuarial Report are comprehensive and accurate, developed in accordance with applicable laws and regulations, and align with widely accepted actuarial principles.

Tax Advice Disclaimer: Please be aware that if the Actuarial Communications include tax advice, such advice is not intended or written to be used, and cannot be used by any taxpayer, for the purpose of evading any penalties that may be imposed under the Internal Revenue Code or in promoting, marketing, or recommending any entity, investment plan, or arrangement to any taxpayer.

Adherence to Actuarial Standards: The content of the Actuarial Report is designed to encompass the necessary elements outlined in Actuarial Standards of Practice Nos. 1, 4, 23, 27, 35, 41, 44, 51, and 56. However, if additional information needs to be disclosed, please reach out to the Actuary directly.



Justin F. J. Greindl, FSA, EA, MSEA

12/31/2024

Date

23-07528

Enrollment Number

Enrolled Actuary
Fidus Actuarial Solutions, LLC
PO Box 8606
Madeira Beach, FL 33738-
justin.greindl@fidusactuarial.com
Phone #: (480) 550-8820
Fax #: (480) 550-8821

**Schedule SB, line 32 -
Schedule of Amortization Bases**
ENERGYbits, Inc. Cash Balance Plan
46-4484686 / 002
For the plan year 01/01/2024 through 12/31/2024

Date Base Established	Original Base Amount	Type of Base	Present Value of Remaining Installments	Years Remaining Amortization Period	Amortization Installment
12/31/2024	1,940	Shortfall	1,940	15	181
Totals:			\$1,940		\$181

SCHEDULE SB (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	Single-Employer Defined Benefit Plan Actuarial Information 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). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2024 This Form is Open to Public Inspection
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▶ 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 ENERGYbits 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 ENERGYbits Inc.	D Employer Identification Number (EIN) 46-4484686	
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 <u>12</u> Day <u>31</u> Year <u>2024</u>			
2 Assets:			
a Market value	2a	263,241	
b Actuarial value	2b	263,241	
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	0	0	0
c For active participants	5	0	265,181
d Total	5	0	265,181
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	5.10%	
6 Target normal cost			
a Present value of current plan year accruals	6a	294,273	
b Expected plan-related expenses	6b	0	
c Target normal cost	6c	294,273	

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.

SIGN HERE	 Signature of actuary	
	Justin F.J. Greindl, FSA, EA, MSEA Type or print name of actuary	07/03/2025 Date
	Fidus Actuarial Solutions LLC Firm name	2307528 Most recent enrollment number
	PO Box 8606 Madeira Beach FL 33738 Address of the firm	480-550-8820 Telephone number (including area code)

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

Schedule SB, Part V Summary of Plan Provisions

ENERGYbits, Inc. Cash Balance Plan 46-4484686 / 002

For the plan year 01/01/2024 through 12/31/2024

<u>Employer:</u>	ENERGYbits, Inc.
Type of Entity -	C Corporation
EIN: 46-4484686	TIN: Plan #: 002 Plan Type: Cash Balance
<u>Dates:</u>	Effective - 01/01/2023 Valuation - 12/31/2024
	Top Heavy Years - 2024
<u>Eligibility:</u>	All employees excluding non-resident aliens, members of an excluded class and union
	Minimum age - 21 Months of service - 12
Hours Required for -	Eligibility - 1000 Benefit accrual - 1000 Vesting - 1000
Plan Entry -	First day of 1st or 7th month of plan year on or next following eligibility satisfaction
<u>Retirement:</u>	Normal - Attainment of age 65 and completion of the 5th anniversary of the 1st day of the initial plan year of participation
	Early - Not provided
<u>Average Compensation:</u>	Current compensation
Top Heavy Minimum Benefit -	Highest 5 consecutive top heavy years of participation
<u>Plan Benefits:</u>	Retirement - Actuarial equivalent of the hypothetical account balance derived from annual Pay Credits and Interest Credits
Pay Credits -	Classification Pay Credit Formula
	A 100% of compensation - Owners
	B 2.5% of compensation - All Other Employees
Interest Credit Rate -	Current Yr - 5% Projected Yrs - 5%
Accrued Benefit -	Hypothetical Account Balance
	Minimum Benefit - None
	Maximum Benefit - None
	Maximum allowable distribution is lump sum equivalent of normal form not to exceed 415 maximum allowable distribution, which is the lesser amount computed using a) 5.5% interest and the Applicable Mortality Table or b) plan actuarial equivalence interest and mortality
Early Retirement -	None
Death Benefit -	Present Value of Accrued Benefit
Disability Benefit -	None
<u>Top Heavy Minimum:</u>	Provided in another plan
<u>IRS Limitations:</u>	415 Limits - Percent: 100 Dollar: \$275,000
	Maximum 401(a)(17) compensation - \$345,000
<u>PBGC:</u>	Plan is covered by Pension Benefit Guaranty Corporation
<u>Normal Form:</u>	Life Annuity
<u>Optional Forms:</u>	Lump Sum
	Joint with 50% or 75% Survivor Benefit
<u>Vesting Schedule:</u>	100% vested in 3 years.
	Service is calculated using all years of service except years prior to plan effective date
<u>Present Value of Accrued Benefit:</u>	Based on the Hypothetical Account Balance.

Schedule SB, Part V Summary of Plan Provisions

ENERGYbits, Inc. Cash Balance Plan
46-4484686 / 002

For the plan year 01/01/2024 through 12/31/2024

Actuarial Equivalence:

Pre-Retirement - Interest -	5%
Mortality Table -	None
Post-Retirement - Interest -	5%
Mortality Table -	Applicable Mortality Table - IRC 417(e)(3)

Form 5500-SF

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

Short Form Annual Return/Report of Small Employee Benefit Plan

This form is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

OMB Nos. 1210-0110
1210-0089

2024

This Form is Open to Public Inspection

▶ **Complete all entries in accordance with the instructions to the Form 5500-SF.**

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: a single-employer plan 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: the first return/report the final return/report
 an amended return/report a short plan year return/report (less than 12 months)

C Check box if filing under: Form 5558 automatic extension DFVC program
 special extension (enter description)

D If the plan is a collectively-bargained plan, check here ▶

E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here ▶

Part II Basic Plan Information --- enter all requested information

1a Name of plan ENERGYbits, Inc. Cash Balance Plan	1b Three-digit plan number (PN) ▶	002
	1c Effective date of plan	01/01/2023
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) ENERGYbits, Inc. 9 Hawthorne Place Suite 6R US Boston MA 02114	2b Employer Identification Number (EIN)	46-4484686
	2c Sponsor's telephone number (617)	219-9679
	2d Business code (see instructions)	446190
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	4
b Total number of participants at the end of the plan year	5b	5
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)	4
d(2) Total number of active participants at the end of the plan year	5d(2)	5
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	<i>Catharine Arnston</i>	7/14/25	Catharine Arnston
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	<i>Catharine Arnston</i>	7/14/25	Catharine Arnston
	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 year 538458. (See instructions.)

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	263,948	566,665
b Total plan liabilities	7b	0	0
c Net plan assets (subtract line 7b from line 7a)	7c	263,948	566,665
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	301,944	
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	773	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		302,717
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d		
e Certain deemed and/or corrective distributions (see instructions) ...	8e		
f Administrative service providers (salaries, fees, commissions)	8f		
g Other expenses	8g		
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		
i Net income (loss) (subtract line 8h from line 8c)	8i		302,717
j Transfers to (from) the plan (see instructions)	8j		

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:
 1A 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

10 During the plan year:		Yes	No	Amount
a 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)	10a		x	
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		x	
c Was the plan covered by a fidelity bond?	10c		x	
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		x	
e 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.)	10e		x	
f Has the plan failed to provide any benefit when due under the plan?	10f		x	
g Did the plan have any participant loans? (If "Yes," enter amount as of year end.)	10g		x	
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h		x	
i 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	10i			

Part VI Pension Funding Compliance

11 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 Yes No

a. Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 **11a** **0**

b PBGC missed contribution reporting requirements. 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:

Yes.

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.

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.

No. Other. Provide explanation

12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA? Yes No

(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.

a 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

If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.

b Enter the minimum required contribution for this plan year **12b**

c Enter the amount contributed by the employer to the plan for the plan year **12c**

d 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) **12d**

e Will the minimum funding amount reported on line 12d be met by the funding deadline? Yes No N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year? Yes No

If "Yes," enter the amount of any plan assets that reverted to the employer this year **13a**

b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC? Yes No

c 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.)

13c(1) Name of plan(s):	13c(2) EIN(s)	13c(3) PN(s)

Part VIII IRS Compliance Questions

14a 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? Yes No

14b 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).

Design-based safe harbor method

"Prior year" ADP test

"Current year" ADP test

N/A

15 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 07/30/2021 (MM/DD/YYYY) and the Opinion Letter serial number Q705169a.