

<b>Form 5500-SF</b>  Department of the Treasury Internal Revenue Service  Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b>Short Form Annual Return/Report of Small Employee Benefit Plan</b>  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).  <b>► Complete all entries in accordance with the instructions to the Form 5500-SF.</b>	OMB Nos. 1210-0110 1210-0089  <div style="border: 1px solid black; text-align: center; padding: 5px; font-weight: bold; font-size: 1.2em;">2021</div> <b>This Form is Open to Public Inspection</b>
---	--	---

<b>Part I Annual Report Identification Information</b>	
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</u>	
<b>A</b> This return/report is for:	<input checked="" type="checkbox"/> a single-employer plan <input type="checkbox"/> a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
<b>B</b> This return/report is	<input checked="" 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)
<b>C</b> 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)
<b>D</b> If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. . . . . <input type="checkbox"/>	

<b>Part II Basic Plan Information</b> —enter all requested information													
<b>1a</b> Name of plan <u>BLACKTHORNE CONSULTING CASH BALANCE PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"><b>1b</b> Three-digit plan number (PN) ►</td> <td style="width: 40%; padding: 5px; text-align: center;"><u>002</u></td> </tr> <tr> <td colspan="2" style="padding: 5px;"><b>1c</b> Effective date of plan <u>01/01/2021</u></td> </tr> </table>	<b>1b</b> Three-digit plan number (PN) ►	<u>002</u>	<b>1c</b> Effective date of plan <u>01/01/2021</u>									
<b>1b</b> Three-digit plan number (PN) ►	<u>002</u>												
<b>1c</b> Effective date of plan <u>01/01/2021</u>													
<b>2a</b> 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>BLACKTHORNE CONSULTING, LLC</u>  <u>15600 NE 8TH STREET B-1 #346</u> <u>BELLEVUE, WA 98008</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"><b>2b</b> Employer Identification Number (EIN) <u>84-4397401</u></td> <td style="width: 40%;"></td> </tr> <tr> <td style="padding: 5px;"><b>2c</b> Sponsor's telephone number <u>719-357-9455</u></td> <td></td> </tr> <tr> <td style="padding: 5px;"><b>2d</b> Business code (see instructions) <u>541990</u></td> <td></td> </tr> </table>	<b>2b</b> Employer Identification Number (EIN) <u>84-4397401</u>		<b>2c</b> Sponsor's telephone number <u>719-357-9455</u>		<b>2d</b> Business code (see instructions) <u>541990</u>							
<b>2b</b> Employer Identification Number (EIN) <u>84-4397401</u>													
<b>2c</b> Sponsor's telephone number <u>719-357-9455</u>													
<b>2d</b> Business code (see instructions) <u>541990</u>													
<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"><b>3b</b> Administrator's EIN</td> <td style="width: 40%;"></td> </tr> <tr> <td style="padding: 5px;"><b>3c</b> Administrator's telephone number</td> <td></td> </tr> </table>	<b>3b</b> Administrator's EIN		<b>3c</b> Administrator's telephone number									
<b>3b</b> Administrator's EIN													
<b>3c</b> Administrator's telephone number													
<b>4</b> 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. <b>a</b> Sponsor's name <b>c</b> Plan Name	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"><b>4b</b> EIN</td> <td style="width: 40%;"></td> </tr> <tr> <td style="padding: 5px;"><b>4d</b> PN</td> <td></td> </tr> </table>	<b>4b</b> EIN		<b>4d</b> PN									
<b>4b</b> EIN													
<b>4d</b> PN													
<b>5a</b> Total number of participants at the beginning of the plan year ..... <b>b</b> Total number of participants at the end of the plan year ..... <b>c</b> Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)..... <b>d(1)</b> Total number of active participants at the beginning of the plan year ..... <b>d(2)</b> Total number of active participants at the end of the plan year ..... <b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested .....	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"><b>5a</b></td> <td style="width: 40%; text-align: center; padding: 5px;"><u>4</u></td> </tr> <tr> <td style="padding: 5px;"><b>5b</b></td> <td style="text-align: center; padding: 5px;"><u>5</u></td> </tr> <tr> <td style="padding: 5px;"><b>5c</b></td> <td></td> </tr> <tr> <td style="padding: 5px;"><b>5d(1)</b></td> <td style="text-align: center; padding: 5px;"><u>4</u></td> </tr> <tr> <td style="padding: 5px;"><b>5d(2)</b></td> <td style="text-align: center; padding: 5px;"><u>5</u></td> </tr> <tr> <td style="padding: 5px;"><b>5e</b></td> <td style="text-align: center; padding: 5px;"><u>0</u></td> </tr> </table>	<b>5a</b>	<u>4</u>	<b>5b</b>	<u>5</u>	<b>5c</b>		<b>5d(1)</b>	<u>4</u>	<b>5d(2)</b>	<u>5</u>	<b>5e</b>	<u>0</u>
<b>5a</b>	<u>4</u>												
<b>5b</b>	<u>5</u>												
<b>5c</b>													
<b>5d(1)</b>	<u>4</u>												
<b>5d(2)</b>	<u>5</u>												
<b>5e</b>	<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.

<b>SIGN HERE</b>	Filed with authorized/valid electronic signature.	10/17/2022	WILLIAM PETEROY
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>			
	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 449578. (See instructions.)

**Part III Financial Information**

<b>7</b> Plan Assets and Liabilities		<b>(a) Beginning of Year</b>	<b>(b) End of Year</b>
<b>a</b> Total plan assets .....	<b>7a</b>	0	108564
<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>	0	108564
<b>8</b> Income, Expenses, and Transfers for this Plan Year		<b>(a) Amount</b>	<b>(b) Total</b>
<b>a</b> Contributions received or receivable from:			
<b>(1)</b> Employers .....	<b>8a(1)</b>	108564	
<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>	0	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		108564
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	<b>8d</b>	0	
<b>e</b> Certain deemed and/or corrective distributions (see instructions) .	<b>8e</b>	0	
<b>f</b> Administrative service providers (salaries, fees, commissions) .....	<b>8f</b>	0	
<b>g</b> Other expenses .....	<b>8g</b>	0	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		0
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		108564
<b>j</b> Transfers to (from) the plan (see instructions) .....	<b>8j</b>	0	

**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</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? (See instructions and DOL's Voluntary Fiduciary Correction Program) .....	<b>10a</b>		<input checked="" type="checkbox"/>	
<b>b</b> Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.) .....	<b>10b</b>		<input checked="" type="checkbox"/>	
<b>c</b> Was the plan covered by a fidelity bond? .....	<b>10c</b>		<input checked="" type="checkbox"/>	
<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>		<input checked="" type="checkbox"/>	
<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>		<input checked="" type="checkbox"/>	
<b>f</b> Has the plan failed to provide any benefit when due under the plan? .....	<b>10f</b>		<input checked="" type="checkbox"/>	
<b>g</b> Did the plan have any participant loans? (If "Yes," enter amount as of year-end.) .....	<b>10g</b>		<input checked="" type="checkbox"/>	
<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**

**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 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

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.)

<b>13c(1)</b> Name of plan(s):	<b>13c(2)</b> EIN(s)	<b>13c(3)</b> PN(s)

<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>2021</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

▶ **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 <u>BLACKTHORNE CONSULTING CASH BALANCE PLAN</u>	<b>B</b> Three-digit plan number (PN) ▶ <u>002</u>
<b>C</b> Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>BLACKTHORNE CONSULTING, LLC</u>	<b>D</b> Employer Identification Number (EIN) <u>84-4397401</u>
<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 <u>12</u> Day <u>31</u> Year <u>2021</u>	
<b>2</b> Assets:	
<b>a</b> Market value .....	<b>2a</b> <u>0</u>
<b>b</b> Actuarial value .....	<b>2b</b> <u>0</u>
<b>3</b> Funding target/participant count breakdown	
<b>a</b> For retired participants and beneficiaries receiving payment .....	(1) Number of participants <u>0</u> (2) Vested Funding Target <u>0</u> (3) Total Funding Target <u>0</u>
<b>b</b> For terminated vested participants .....	<u>0</u> <u>0</u> <u>0</u>
<b>c</b> For active participants .....	<u>5</u> <u>0</u> <u>0</u>
<b>d</b> Total .....	<u>5</u> <u>0</u> <u>0</u>
<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> <u>6.08</u> %
<b>6</b> Target normal cost .....	
<b>a</b> Present value of current plan year accruals .....	<b>6a</b> <u>83467</u>
<b>b</b> Expected plan-related expenses .....	<b>6b</b> <u>0</u>
<b>c</b> Total (line 6a + line 6b) .....	<b>6c</b> <u>83467</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.

<b>SIGN HERE</b>		<u>09/15/2022</u> Date
Signature of actuary		<u>20-08261</u> Most recent enrollment number
<u>DEREK FELDHAHN, MSEA</u> Type or print name of actuary		<u>202-539-1540</u> Telephone number (including area code)
<u>MAP RETIREMENT</u> Firm name		
<u>W6180 AEROTECH DRIVE</u> <u>APPLETON, WI 54914</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 ☐

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

**Schedule SB (Form 5500) 2021**  
**v. 201209**

**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) .....		0
<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>0.00</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 .....		0
<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

**Part III Funding Percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	100.00 %
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	126.62 %
<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>	80.00 %
<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
05/25/2022	84804	0			
08/24/2022	23760	0			
<b>Totals ▶</b>			<b>18(b)</b>	108564	<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>	105692

**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: 4.75 %	2nd segment: 5.36 %	3rd segment: 6.11 %	<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> 62
<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> 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>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>	83467	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	0	
<b>32</b> Amortization installments:			
<b>a</b> Net shortfall amortization installment .....	0	0	
<b>b</b> Waiver amortization installment .....			
<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>	83467	
	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>	83467	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	105692	
<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>	22225	
<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 Pension Relief Act of 2010 (See Instructions)**

<b>41</b> If an election was made to use PRA 2010 funding relief for this plan:			
<b>a</b> Schedule elected .....	<input type="checkbox"/> 2 plus 7 years <input type="checkbox"/> 15 years		
<b>b</b> Eligible plan year(s) for which the election in line 41a was made .....	<input type="checkbox"/> 2008 <input type="checkbox"/> 2009 <input type="checkbox"/> 2010 <input type="checkbox"/> 2011		

**Blackthorne Consulting**  
**Cash Balance Plan**

Schedule of Active Participant Data

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

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	0	0	0	0	0	0	0	0	0	0
30-34	0	2	0	0	0	0	0	0	0	0	2
35-39	0	1	0	0	0	0	0	0	0	0	1
40-44	0	1	0	0	0	0	0	0	0	0	1
45-49	0	0	0	0	0	0	0	0	0	0	0
50-54	0	0	0	0	0	0	0	0	0	0	0
55-59	0	0	0	0	0	0	0	0	0	0	0
60-64	0	0	0	0	0	0	0	0	0	0	0
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	4	0	0	0	0	0	0	0	0	4

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

Average Age: 36.8

Average Service: 1

## Blackthorne Consulting Cash Balance Plan

Summary of Actuarial Assumptions and Method

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

	For Funding					
		<u>Min</u>	<u>Max</u>	<u>For 417(e)</u>	<u>For Actuarial Equiv.</u>	
Interest Rates	Seg 1:	4.75%	0.92%	Seg 1:	0.51%	Pre-Retirement: 5.00%
	Seg 2:	5.36%	2.62%	Seg 2:	2.26%	Post-Retirement: 5.50%
	Seg 3:	6.11%	3.29%	Seg 3:	3.01%	
Applicable Date	12/2021	12/2021		12/2020		
Pre-Retirement						
Turnover	None			None	None	
Mortality	None			None	None	
Assumed Ret Age	Normal retirement age 62 and 5 years of participation			Normal retirement age 62 and 5 years of participation	Normal retirement age 62 and 5 years of participation	
Post-Retirement						
Mortality	Male-2021 Static Table - Combined Male Female-2021 Static Table - Combined Female			2021 Applicable Mortality Table from Notice 2019-67	2021 Applicable Mortality Table from Notice 2019-67	
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				6.06%		
Cash Balance Projected Interest Crediting Rate				5.00% annual rate		
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.



<b>SCHEDULE SB</b> <b>(Form 5500)</b>  <small>Department of the Treasury Internal Revenue Service</small>  <small>Department of Labor Employee Benefits Security Administration</small>  <small>Pension Benefit Guaranty Corporation</small>	<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>2021</b>  <b>This Form is Open to Public Inspection</b>
---	--	---

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

► **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 Blackthorne Consulting 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 Blackthorne Consulting, LLC	<b>D</b> Employer Identification Number (EIN) 84-4397401	
<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>2021</u>			
<b>2</b> Assets:			
<b>a</b> Market value .....	<b>2a</b>	0	
<b>b</b> Actuarial value .....	<b>2b</b>	0	
<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 .....	0	0	0
<b>c</b> For active participants .....	5	0	0
<b>d</b> Total .....	5	0	0
<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>	6.08%	
<b>6</b> Target normal cost .....			
<b>a</b> Present value of current plan year accruals .....	<b>6a</b>	83,467	
<b>b</b> Expected plan-related expenses .....	<b>6b</b>	0	
<b>c</b> Total (line 6a + line 6b) .....	<b>6c</b>	83,467	

**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	<u>09/15/2022</u> Date <u>2008261</u> Most recent enrollment number <u>202-539-1540</u> Telephone number (including area code)
<u>Derek Feldhahn, MSEA</u> Type or print name of actuary  <u>MAP Retirement</u> Firm name  <u>W6180 Aerotech Drive</u> <u>Appleton WI 54914</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 ☐

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

**Schedule SB (Form 5500) 2021**  
v. 201209

**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) .....		0
<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>0.00</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 .....		0
<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

**Part III Funding Percentages**

<b>14</b> Funding target attainment percentage .....	<b>14</b>	100.00%
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	126.62%
<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>	80.00%
<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**

(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
05/25/2022	84,804	0			
08/24/2022	23,760	0			
<b>Totals ▶</b>			<b>18(b)</b>	108,564	<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>	105,692

**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: 4.75 %	2nd segment: 5.36 %	3rd segment: 6.11 %	<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> 62
<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> 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>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>	83,467	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	0	
<b>32</b> Amortization installments:			
<b>a</b> Net shortfall amortization installment .....	Outstanding Balance	Installment	
<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>	83,467	
	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>	83,467	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	105,692	
<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>	22,225	
<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 Pension Relief Act of 2010 (See Instructions)**

<b>41</b> If an election was made to use PRA 2010 funding relief for this plan:			
<b>a</b> Schedule elected .....	<input type="checkbox"/> 2 plus 7 years <input type="checkbox"/> 15 years		
<b>b</b> Eligible plan year(s) for which the election in line 41a was made .....	<input type="checkbox"/> 2008 <input type="checkbox"/> 2009 <input type="checkbox"/> 2010 <input type="checkbox"/> 2011		

**Blackthorne Consulting**  
**Cash Balance Plan**

Weighted Average Retirement Age

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

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:

The later of:

Attainment of age 62

Completion of 5 years of participation from beginning of entry year

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

Weighted average retirement age 62

**Blackthorne Consulting**  
**Cash Balance Plan**  
**Employer ID# 84-4397401: Plan No. 002**

**Schedule SB (Form 5500)**  
**Part IV: Contributions and Liquidity Shortfalls**

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

**18** Contributions made to the plan for the plan year by employer(s):

<u>(a) Date</u> <u>(MM-DD-YYYY)</u>	<u>(b) Amount paid by</u> <u>employer(s)</u>
05-25-2022	84,804.10
08-24-2022	23,760.27
<b>Totals:</b>	<b>108,564.37</b>

**Blackthorne Consulting**  
**Cash Balance Plan**  
**Employer ID# 84-4397401: Plan No. 002**  
Quarterly Installment Payment: \$0.00

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

Plan Year: 1/1/2021 to 12/31/2021  
Valuation Date: 12/31/2021

<u>Date</u>	<u>Amount</u>	<u>Year</u>	<u>Rate</u>	<u>Period</u>	<u>Adj Ctb</u>
05-25-2022	84,804.10	2021	6.08%	05-25-2022 to 12-31-2021	82,822.76
08-24-2022	23,760.27	2021	6.08%	08-24-2022 to 12-31-2021	22,868.87
<b>Totals:</b>	<b>108,564.37</b>				<b>105,691.63</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>	105,691.63

**Blackthorne Consulting**

**Cash Balance Plan**

Summary of Plan Provisions

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

<b>Plan Effective Date</b>	January 1, 2021
<b>Plan Year</b>	From January 1, 2021 to December 31, 2021
<b>Eligibility</b>	<p>All employees not excluded by class are eligible to enter on the January 1 or July 1 coincident with or following the completion of the following requirements:</p> <p>1 year of service Minimum age 21</p>
<b>Normal Retirement Age</b>	<p>All participants are eligible to retire with their full retirement benefit on the later of the following:</p> <p>Attainment of age 62 Completion of 5 years of participation from beginning of entry year</p>
<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: 27% of compensation</p> <p>Group 2: 2% of compensation</p> <p>The maximum monthly benefit is the lesser of \$19,166.66 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:

**Credited Years**

1

**Vested Percent**

0

**Blackthorne Consulting**

**Cash Balance Plan**

Summary of Plan Provisions

Plan Year: 1/1/2021 to 12/31/2021

Valuation Date: 12/31/2021

2	0
3	100

Credited years are plan years from date of hire excluding the following:

Years before the effective date

Years before age 18

Years with less than 1,000 hours

**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 not 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%