

<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  <b>2018</b> <b>This Form is Open to Public Inspection</b>

<b>Part I Annual Report Identification Information</b>		
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</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.)
	<input type="checkbox"/> a one-participant plan	<input type="checkbox"/> a foreign plan
<b>B</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)
<b>C</b> Check box if filing under:	<input checked="" type="checkbox"/> Form 5558	<input type="checkbox"/> automatic extension
	<input type="checkbox"/> special extension (enter description)	<input type="checkbox"/> DFVC program

<b>Part II Basic Plan Information</b> —enter all requested information			
<b>1a</b> Name of plan <u>CATALYST INVESTORS, LLC CASH BALANCE PLAN AND TRUST</u>	<b>1b</b> Three-digit plan number (PN) ►	<u>002</u>	
	<b>1c</b> Effective date of plan	<u>01/01/2002</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>CATALYST INVESTORS, LLC</u>  <u>711 FIFTH AVENUE</u> <u>SUITE 600</u> <u>NEW YORK, NY 10022</u>	<b>2b</b> Employer Identification Number (EIN) <u>52-2221276</u>	
	<b>2c</b> Sponsor's telephone number <u>212-863-4848</u>	<b>2d</b> Business code (see instructions) <u>523900</u>	
<b>3a</b> Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor.	<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	<b>4b</b> EIN		
	<b>4d</b> PN		
<b>5a</b> Total number of participants at the beginning of the plan year .....	<b>5a</b>	<u>19</u>	
<b>b</b> Total number of participants at the end of the plan year .....	<b>5b</b>	<u>16</u>	
<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>5c</b>		
<b>d(1)</b> Total number of active participants at the beginning of the plan year .....	<b>5d(1)</b>	<u>15</u>	
<b>d(2)</b> Total number of active participants at the end of the plan year .....	<b>5d(2)</b>	<u>13</u>	
<b>e</b> Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested .....	<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>	<u>Filed with authorized/valid electronic signature.</u>	<u>09/25/2019</u>	<u>BRIAN A. RICH</u>
	<b>Signature of plan administrator</b>	Date	Enter name of individual signing as plan administrator
<b>SIGN HERE</b>			
	<b>Signature of employer/plan sponsor</b>	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 4155426. (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>	4714945	3402255
<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>	4714945	3402255
<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>	140700	
<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>	49980	
<b>c</b> Total income (add lines 8a(1), 8a(2), 8a(3), and 8b) .....	<b>8c</b>		190680
<b>d</b> Benefits paid (including direct rollovers and insurance premiums to provide benefits) .....	<b>8d</b>	1481082	
<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>	22288	
<b>g</b> Other expenses .....	<b>8g</b>	0	
<b>h</b> Total expenses (add lines 8d, 8e, 8f, and 8g) .....	<b>8h</b>		1503370
<b>i</b> Net income (loss) (subtract line 8h from line 8c) .....	<b>8i</b>		-1312690
<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 1D 1I 3B
- b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

**Part V Compliance Questions**

<b>10 During the plan year:</b>		<b>Yes</b>	<b>No</b>	<b>Amount</b>
<b>a</b> Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? (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		500000
<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**

**11** Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below) ☒ Yes ☐ No

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

**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.)

**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** 0

**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 (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 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>2018</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ **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>CATALYST INVESTORS, LLC CASH BALANCE PLAN AND TRUST</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>CATALYST INVESTORS, LLC</u>	<b>D</b> Employer Identification Number (EIN) <u>52-2221276</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>2018</u>	
<b>2</b> Assets:	
<b>a</b> Market value.....	<b>2a</b> <u>3261555</u>
<b>b</b> Actuarial value .....	<b>2b</b> <u>3261555</u>
<b>3</b> Funding target/participant count breakdown	
<b>a</b> For retired participants and beneficiaries receiving payment .....	(1) Number of participants (2) Vested Funding Target (3) Total Funding Target
<b>b</b> For terminated vested participants .....	<u>0</u> <u>0</u> <u>0</u>
<b>c</b> For active participants .....	<u>1</u> <u>9160</u> <u>9160</u>
<b>d</b> Total .....	<u>15</u> <u>2986777</u> <u>2987205</u>
	<u>16</u> <u>2995937</u> <u>2996365</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>4.84 %</u>
<b>6</b> Target normal cost .....	<b>6</b> <u>35550</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>	
Signature of actuary	<u>09/19/2019</u>
<u>MICHAEL L. LIBMAN, FCA</u>	Date
Type or print name of actuary	<u>17-02940</u>
<u>THE LIBMAN ACTUARIAL GROUP, INC.</u>	Most recent enrollment number
Firm name	<u>216-398-3888</u>
<u>5755 GRANGER ROAD, SUITE 501</u> <u>INDEPENDENCE, OH 44131-1442</u>	Telephone number (including area code)
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
<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>3.81</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) .....		193473
<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>5.25</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 .....		193473
<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>	108.85%
<b>15</b> Adjusted funding target attainment percentage .....	<b>15</b>	112.06%
<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>	121.85%
<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
09/09/2019	140700	0			
<b>Totals ▶</b>			<b>18(b)</b>	140700	<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>	136175

**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: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%
		<input type="checkbox"/> N/A, full yield curve used		
<b>b</b>	Applicable month (enter code) .....	<b>21b</b>	2	
<b>22</b>	Weighted average retirement age .....	<b>22</b>	62	
<b>23</b>	Mortality table(s) (see instructions)	Prior regulation:	<input type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate
		Current regulation:	<input checked="" type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate
			<input type="checkbox"/> Substitute	<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 6) .....	<b>31a</b>	35550
<b>b</b>	Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	35550
<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>	0
	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>	0
<b>37</b>	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	136175
<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>	136175
<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		

<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>2018</b>  <b>This Form is Open to Public Inspection</b>
--	--	---

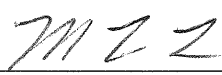
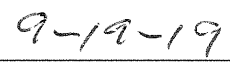
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ **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 CATALYST INVESTORS, LLC CASH BALANCE PLAN AND TRUST	<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 CATALYST INVESTORS, LLC	<b>D</b> Employer Identification Number (EIN) 52-2221276
<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 12 Day 31 Year 2018			
<b>2</b> Assets:			
<b>a</b> Market value.....		<b>2a</b>	3,261,555
<b>b</b> Actuarial value .....		<b>2b</b>	3,261,555
<b>3</b> Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
<b>a</b> For retired participants and beneficiaries receiving payment .....	0	0	0
<b>b</b> For terminated vested participants .....	1	9,160	9,160
<b>c</b> For active participants .....	15	2,986,777	2,987,205
<b>d</b> Total .....	16	2,995,937	2,996,365
<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>	4.84%	
<b>6</b> Target normal cost .....	<b>6</b>	35,550	

**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		Date
MICHAEL L. LIBMAN, FCA		1702940
Type or print name of actuary		Most recent enrollment number
THE LIBMAN ACTUARIAL GROUP, INC.		216-398-3888
Firm name		Telephone number (including area code)
5755 GRANGER ROAD, SUITE 501		
INDEPENDENCE OH 44131-1442		
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

Part II Beginning of Year Carryover and Retaining 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>3.81%</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) .....		193,473
	<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>5.25%</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.....		193,473
	<b>d</b> Portion of (c) to be added to prefunding balance.....		0
<b>12</b>	Other reductions in balances due to elections or deemed elections .....	0	0
<b>13</b>	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	0	0

<b>Part III</b>	<b>Funding Percentages</b>
-----------------	----------------------------

<b>14</b>	Funding target attainment percentage .....	<b>14</b>	108.85%
<b>15</b>	Adjusted funding target attainment percentage.....	<b>15</b>	112.06%
<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>	121.85%
<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:

Contributions made to the plan for the plan year ending (MM-DD-YYYY)							
(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		
09/09/2019	140,700	0					
			Totals ►	18(b)	140,700	18(c)	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>	136,175

## 20 Quarterly contributions and liquidity shortfalls:

**a** Did the plan have a "funding shortfall" for the prior year? ..... ☐ Yes ☒ No

<b>b</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: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	<input type="checkbox"/> N/A, full yield curve used
<b>b</b> Applicable month (enter code) .....				<b>21b</b> 2
<b>22</b> Weighted average retirement age .....				<b>22</b> 62
<b>23</b> Mortality table(s) (see instructions)	Prior regulation:	<input type="checkbox"/> Prescribed - combined	<input type="checkbox"/> Prescribed - separate	<input type="checkbox"/> Substitute
	Current regulation:	<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 6) .....	<b>31a</b>	35,550	
<b>b</b> Excess assets, if applicable, but not greater than line 31a .....	<b>31b</b>	35,550	
<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>	0	
	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>	0	
<b>37</b> Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c) .....	<b>37</b>	136,175	
<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>	136,175	
<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

Attachment to Sch SB

Line 19 – Discounted Employer Contributions

Catalyst Investors, LLC Cash Balance Plan

EIN / PN: 52-2221276 / 002

<u>Date</u>	<u>Amount of Contribution</u>	<u>Plan Year Applied</u>	<u>Effective Interest Rate</u>	<u>Interest Adjusted Amount as of 12/31/18</u>
09/09/19	\$140,700.00	2018	4.84%	\$136,174.64
Totals	\$140,700.00			\$136,174.64

Catalyst Investors, LLC Cash Balance Plan  
EIN / PN: 52-2221276 / 002

Each participant is assumed to retire at his/her Normal Retirement Age as shown on the Schedule SB, Line 22. Any participant who has already reached Normal Retirement Age is assumed to retire on the valuation date.

## Catalyst Investors, LLC Cash Balance Plan

EIN / PN: 52-2221276 / 002

**SUMMARY OF PRINCIPAL PLAN PROVISIONS**

<u>Effective Date</u>	January 1, 2002
<u>Employees Covered</u>	<p>Category I and Category II Employees shall become a Participant after completing one hour of Service.</p> <p>Category I: Target Employee (members of the LLC). Category II: Employees with a job title of Analyst, Vice President, Senior Associate, Finance Director, Executive Assistant, or Office Administrator.</p> <p>Category III Employees who became Participants in a prior year and do not fall within the definition of Category I or Category II Participants.</p>
<u>Normal Retirement Eligibility</u>	Age 62
<u>Accrued Benefit</u>	Account Balance for Target Employees. Account Balance offset by Vested Profit Sharing Account Balance for other Participants.
<u>Annual Allocation</u>	<p>For Category I: the lesser of a) 10 times Earned Income in excess of \$100,000 or b) the maximum under IRC Section 415, but not less than \$1,000.</p> <p>For Category II: \$500, but not less than the accrual of 0.5% of Compensation minimum annuity.</p> <p>For Category III: 0% of Compensation.</p>
<u>Pre-Retirement Death Benefit</u>	The Participant's Vested Account Balance
<u>Termination of Employment</u>	

## Catalyst Investors, LLC Cash Balance Plan

EIN / PN: 52-2221276 / 002

**SUMMARY OF PRINCIPAL PLAN PROVISIONS (Continued)**Benefit

The Participant's Vested Account Balance

A Participant's Vesting Percentage is determined according to the following schedule:

<u>Service</u>	<u>Vesting Percentage</u>
0 Years	0%
1 Year	20%
3 Years	100%

Contributions

The Company pays the actuarially determined cost of the Plan.

Plan Amendments

Most Recent Signed

Effective Date

10/11/2018

12/31/2018

There was no IRC 412(d)(2) election for this year.

Note

This plan is a statutory hybrid plan per the IRC Section 411(a)(13) and the IRS Regulations thereunder.

The Plan was frozen effective November 1, 2018 and terminated effective December 31, 2018.

EIN / PN: 52-2221276 / 002

**ACTUARIAL ASSUMPTIONS****Actuarial assumptions**Mortality

Active Employees

\*\* Post-Retirement - For purpose of lump sum determination:  
Pursuant to IRC 417(e): 2018 Applicable Table (Blended)  
published in IRS Notice 2016-50

\* Pre-Retirement - None

Retired Employees

Same as active employees

Rate of Retirement

100% at age 62

Weighted Average Retirement Age

Age 62

Rate of Disability

\* None

Salary Scale

\* None

Rate of Employee Turnover

\* None

Cash Balance Interest Credit Rate

2.88% per year

Provision for Expenses

None, as expenses are assumed to be paid directly by the  
Plan Sponsor

Form of Benefit Payments

Lump Sum Distribution

Discount Rates

	<u>PPA</u>	<u>HATFA</u>
** Segment 1	2.35%	3.92%
** Segment 2	3.85%	5.52%
** Segment 3	4.47%	6.29%
Applicable Month	10/1/2018	10/1/2018
FAS 35	3.25%	n/a
Effective Rate	3.25%	4.84%

\* Given Plan provisions and the Actuarial Cost Method, these assumptions would have no material impact on either the Minimum Funding Requirement or on the present value of future benefits payable from the Plan.

\*\* The discount segment rates and mortality assumptions are prescribed by the IRC and IRS Regulations.



**ACTUARIAL ASSUMPTIONS (Continued)**

**Actuarial Methods**

Actuarial Cost Method

The actuarial cost method used to determine the actuarial Target Liability and Target Normal Cost is the Unit Credit Actuarial Cost Method, as required under IRC Section 430. The actuarial valuation date is the last day of the plan year.

Asset Valuation Method

Market value of all Trust Investments, plus any accrued but unpaid contributions to the Trust discounted to the Valuation Date.

**Other Facts Relevant to the Valuation of This Plan**

Employee Data

An employee census as of the Valuation Date was supplied by the Company and included all employees in the Eligible Class. We did not audit the census.

Asset Data

Asset data as of the Valuation Date and contribution amounts and dates were supplied by the Company. We did not audit the asset data.

Changes in Actuarial  
Assumption or Methods

The valuation interest rates are the rates required per IRC Section 430, and the cash balance interest credit rate is the 30-year treasury rate for the third full month immediately preceding the first month of the Plan Year. This year the credit rate is 2.88% compared to 2.50% last year.

The mortality assumptions used are those mandated by the Internal Revenue Service for this valuation, per IRC Section 430. Because this plan has fewer than 500 participants, we use the unisex assumptions.

Events and Trends Which  
Have Not Been Taken  
into Consideration

To the best of our knowledge, there has been no event or trend which has not been taken into consideration and which may require a material change in plan costs or required contribution rates. In addition, no Plan amendments adopted and effective after the valuation date of December 31, 2018 were considered for this Valuation, nor do any exist of which we are aware except statutory CPI increases in maximum benefits and considered compensation.

Catalyst Investors, LLC Cash Balance Plan EIN / PN: 52-2221276 / 002

**AGE, SALARY AND SERVICE DISTRIBUTION OF ACTIVE PARTICIPANTS**

Attained Age at 12/31/2018	Catalyst Investors, LLC Years of Participation							Total
	0-4	5-9	10-14	15-19	20-24	25-29	30+	
Under 25	1	0	0	0	0	0	0	1
25-29	4	1	0	0	0	0	0	5
30-34	2	2	0	0	0	0	0	4
35-39	0	0	0	0	0	0	0	0
40-44	1	0	0	1	0	0	0	2
45-49	0	0	0	0	0	0	0	0
50-54	0	0	0	1	0	0	0	1
55-59	0	0	0	1	0	0	0	1
60-64	0	0	1	0	0	0	0	1
Over 64	0	0	0	0	0	0	0	0
Total	8	3	1	3	0	0	0	15

Since there are fewer than 1,000 active participants, salary averages and cash balance account information are not required.