



AGENDA

Battlefield Fire Protection District Battlefield Volunteer Fire Department



Regular Board Meeting
4117 W. Second St., Battlefield, MO 65619

Tuesday, November 14, 2023

5:00 PM

Preliminaries to the Meeting

1. Call to Order
2. Ceremonial Matters
4. Roll Call
5. Establishment of a Quorum
7. Approval of the Meeting's Agenda

Approval of Last Month's Minutes

1. Correction of Minutes
2. Approval of Regular Minutes

Financial Business

1. Payment of the bills
2. Check signing.
3. Financial statements

Public Comments

1. Any comments must be submitted via email to info@battlefieldfire.com prior to 5pm on the Monday prior to meeting.

Unfinished Business

1. None

New Business

1. Public Hearing – LAGERS change for FY24.
2. FY 24 Budget
3. General Overview

Closed Session

1. Discussion and possible vote concerning: Legal Matters RSMo 610.021 (1), Discussion and possible vote concerning hiring, firing, and/or promoting of employee(s) per RSMo 610.021, (3), Personnel Records, Performance Ratings, or Records Pertaining to Employees or Applicants for Employment per RSMo 610.021 (13). Closed Session. Closed Vote. Closed Record.

Adjournment

Representatives of the news media may obtain copies of this notice by contacting the Battlefield Fire Protection District.

Posted: 11/13/2023 8:15 AM certified by the undersigned that a true copy of the foregoing agenda was posted at the Battlefield Administration and Training Center in Battlefield, Missouri.

Secretary to the Board of Directors



BATTLEFIELD FIRE PROTECTION DISTRICT

www.battlefieldfire.com 

4117 W. Second Street
Battlefield, MO 65619

FAX: (417) 887-9914
CELL: (417) 343-4504

PHONE: (417) 881-9018



Administration – Chief Moore

- I met with the Shop to discuss potential items for FY24. I am in receipt of a letter to open portions of the CBA for Impact Bargaining.
- We hosted a celebration of life for a volunteer firefighter from the early 90's. The family was very thankful for the hospitality and show of respect from our staff.
- I attended the quarterly Regional Homeland Security Oversight Committee meeting. While there we learned about future grant opportunities from the State of MO. I will talk about this at the meeting.
- I spoke at the ribbon cutting for the Fitness Court. This is on the park grounds.
- I deployed to Thackerville, OK as a Safety Officer for a national communications exercise.
- We have completed oath of office ceremonies for 2022's academy class.
- I will be in trial most of the week November 13th through 16th.
- Administrative offices are closed on Thanksgiving and the Friday following.
- I am beginning the 45-day requirement for LAGERS if we choose to make an adjustment in the FY24 budget. This month is the start of that process.

Operations – Deputy Chief Reynolds

- Total calls for October = 168
 - 2 Building fires
 - Total Calls YTD = 1867 (4.41% increase)
 - YTD 2022 = 1788
- Average Response Time for October = 5.87 minutes**
 - Average Response Time YTD = 5.67 minutes
 - Target time is 7:00 minutes.
 - ** Response times will be impacted with the closure of Plainview **
- Turnout time for October = 1:16
 - Turnout time YTD = 1:18
 - Target time is 1:30
- Lexipol on-boarding:
 - I am still awaiting any decision on the DTB's from Lexipol. Ken (our rep) is supposed to have a decision to me before the end of November.
- We have signed an intent to purchase with Ford for a new F-150 staff vehicle. Bids are being collected for the upfitting of this vehicle.
- Performance evaluations have been completed and are being delivered.
- 144813 has been placed in service. This was done quickly due to the status of our reserve fleet. We are exploring used truck options to replace the aging reserve apparatus.
- I sat on a panel to evaluate officer candidates for Logan-Rogersville. Their process was similar to ours.
- Chief Anderson filled in as the ops chief during my absence. I have received a pass along from him and I am working on the carry-over items.

Support Services – Division Chief Anderson (as of 11-1-23)

Community Risk Reduction Activities

- Total contacts made through social media, the District website and Google Business = 46,293.
- Crews installed 4 smoke alarms and replaced 7 batteries for citizens.

"We Serve"



BATTLEFIELD FIRE PROTECTION DISTRICT

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Battlefield, MO 65619

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- Attended the District's CRR Committee meeting.
- Attended a meeting with Springfield Fire to coordinate use of the new Collector App for QAPs.
- Evaluated live burns at the Joplin Fire Academy with Chief Burr for the Division of Fire Safety
- Attended the monthly Battlefield Planning and Zoning Committee meeting.
- Attended the "Stop the Violence" Domestic Abuse Conference at MSU.
- Assisted with Tri-State skills testing in Rogersville.
- Continued working with ESCI to complete the District's community risk assessment.
- Crews continued Fire Prevention Month presentations to local daycares, public schools, and preschools.
- Crews attended several local Halloween events.

Workers Compensation, Safety, and Human Resources

- The District had no work comp claims for this period.
- Continued to monitor active work comp claims.
- Participated in the Cordico App rollout for employees and families.
- Attended a meeting with CoxHealth to review occupational medicine and tactical athlete services.
- With Shawn Shupert, began implementation of the District's electronic file conversion project through Scanics.
- Attended two meetings with local mental health providers to review service packages.
- Attended a meeting of the District's Health and Wellness Committee.
- Attended a meeting of the District's Safety Committee.

Training – Division Chief Burr

- Training hours for October: 1,031 hours
 - YTD Hours = 12,960 hours
 - YTD 2022 = 12,989 hours
- I attended an Exercise Planning Workgroup meeting for Greene County OEM.
- Chief Moore and I met with Springfield Workforce Development and got information on registering the District as an Apprenticeship Program through the Department of Labor. This will allow us to receive some grant funding for future new hires.
- I started the registration process with the Department of Labor. There is a lot to this process, and it will take some time to complete.
- I administered the Driver Operator assessment for all three shifts. 17 of our personnel passed the assessment center.
- I will be out of the office on vacation November 15 – 26.



Battlefield Fire Protection District Battlefield Volunteer Fire Department

Minutes

October 2023 Regular Board Meeting

**Location of Meeting:**

4117 West Second St.
Battlefield, MO 65619

Time of Meeting:

5:00 PM

Date of Meeting:

October 10, 2023

The meeting of the Battlefield Fire Protection District Board of Directors was called to order by Chairman Trevor Crist at 5:00 pm. A roll call was taken, and a quorum was established.

Board Members Present: Chairman Trevor Crist, Vice-chair Danny Perches, Treasurer Mark Pon and Scott Lambeth.

Mr. Perches moved to approve the agenda with the addition of a closed session under RSMO 610.021 (13). 2nd by Mr. Pon. Motion carried.

Approval of Last Month's Minutes:

1. Approval of Regular Minutes- Mr. Pon moved to approve the September Regular Meeting minutes. 2nd by Mr. Lambeth. Motion carried.

Public Comments

1. No public comments were submitted or presented.

Financial Business:

1. The Board addressed bills to be paid and signed checks.
2. Treasurer Mark Pon discussed the September financial report and review of cash assets. Battlefield Volunteer Fire Department's checking account indicates \$5,522.69. Battlefield Fire Protection District's ICS account holds \$2,625,096.11 and Money Market holds \$61,901.21.
3. Chief Moore briefly reviewed line items on the financials.
4. Mr. Pon moved to approve the financials 2nd by Mr. Perches. Motion carried.

Unfinished Business: None**New Business:**

1. FF Hiring list was presented. Mr. Perches moved to approve the list 2nd by Mr. Pon. Motion carried.
2. General Overview - Staff provided a review of their monthly reports.

Closed Session:

1. Information only pursuant to RSMO 610.021 (13). Closed Session. Closed Record.

Motion to go out of open session by Mr. Pon. 2nd by Mr. Lambeth. Motion carried.

Out of Open Session at 5:20 pm.

Motion to go into Closed Session by Mr. Perches. 2nd by Mr. Lambeth. Motion carried.

Into Closed Session 5:21 pm

Roll Call: Mark Pon, Trevor Crist, Scott Lambeth, Danny Perches, Fire Chief Moore and Secretary Shawn Shupert.

Motion to go out of Closed Session by Mr. Perches. 2nd by Mr. Lambeth. Motion carried.

Out of Closed Session: 5:29 pm

Motion to go into Open Session by Mr. Pon. 2nd by Mr. Lambeth. Motion carried.

Into Open Session: 5:30 pm

Roll Call: Mark Pon, Trevor Crist, Danny Perches, and Scott Lambeth

Adjournment:

Mr. Perches moved to adjourn at 5:31 pm.

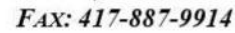
Approved by:

Trevor Crist

Danny Perches

Scott Lambeth

Mark Pon



Incident Type	Total Incidents	Percent
571 - Cover assignment, standby, moveup	3	1.79%
611 - Dispatched & canceled en route	24	14.29%
622 - No incident found on arrival at dispatch address	2	1.19%
651 - Smoke scare, odor of smoke	1	0.60%
711 - Municipal alarm system, malicious false alarm	1	0.60%
733 - Smoke detector activation due to malfunction	2	1.19%
736 - CO detector activation due to malfunction	1	0.60%
741 - Sprinkler activation, no fire - unintentional	1	0.60%
743 - Smoke detector activation, no fire - unintentional	4	2.38%
744 - Detector activation, no fire - unintentional	2	1.19%
745 - Alarm system activation, no fire - unintentional	3	1.79%
746 - Carbon monoxide detector activation, no CO	1	0.60%
Total Number of Incidents:	168	
Total Number of Incident Types:	29	



BATTLEFIELD FIRE PROT. DIST.

4117 W. SECOND ST., BATTLEFIELD, MO 65619

OFFICE: 417-881-9018

FAX: 417-887-9914

Department Turnout Time by Shift

Department Average Turnout: 01:16

A SHIFT

Incident Number	Alarm Time	Enroute Time	Turnout Time (min:sec)
2301790	10/19/23 19:13:28	10/19/2023 19:19:15	05:47
2301716	10/02/23 19:06:40	10/02/2023 19:09:58	03:18
2301695	10/03/23 05:07:15	10/03/2023 05:10:06	02:51
2301686	10/02/23 05:10:26	10/02/2023 05:13:03	02:37
2301791	10/20/23 13:13:45	10/20/2023 13:16:05	02:20
2301729	10/08/23 05:23:05	10/08/2023 05:25:22	02:17
2301696	10/03/23 05:12:47	10/03/2023 05:15:01	02:14
2301823	10/26/23 00:03:43	10/26/2023 00:05:49	02:06
2301684	10/01/23 15:06:12	10/01/2023 15:08:16	02:04
2301825	10/26/23 19:59:06	10/26/2023 20:01:09	02:03
2301724	10/07/23 10:49:02	10/07/2023 10:51:04	02:02
2301723	10/08/23 04:53:46	10/08/2023 04:55:45	01:59
2301763	10/13/23 14:18:47	10/13/2023 14:20:45	01:58
2301768	10/15/23 03:48:31	10/15/2023 03:50:28	01:57
2301767	10/14/23 21:41:00	10/14/2023 21:42:54	01:54
2301793	10/19/23 14:00:23	10/19/2023 14:02:12	01:49
2301719	10/07/23 07:28:26	10/07/2023 07:30:13	01:47
2301721	10/07/23 16:06:23	10/07/2023 16:08:03	01:40
2301730	10/09/23 01:40:31	10/09/2023 01:42:11	01:40
2301799	10/20/23 21:10:09	10/20/2023 21:11:43	01:34
2301818	10/25/23 10:59:13	10/25/2023 11:00:46	01:33
2301717	10/07/23 10:06:09	10/07/2023 10:07:40	01:31
2301691	10/02/23 10:46:41	10/02/2023 10:48:12	01:31

2301728	10/08/23 21:38:11	10/08/2023 21:39:39	01:28
2301687	10/02/23 06:19:26	10/02/2023 06:20:53	01:27
2301694	10/01/23 16:29:55	10/01/2023 16:31:18	01:23
2301693	10/02/23 12:37:07	10/02/2023 12:38:28	01:21
2301722	10/07/23 19:48:13	10/07/2023 19:49:32	01:19
2301760	10/13/23 11:42:27	10/13/2023 11:43:42	01:15
2301727	10/08/23 15:11:18	10/08/2023 15:12:32	01:14
2301769	10/14/23 18:44:52	10/14/2023 18:46:06	01:14
2301819	10/25/23 16:50:01	10/25/2023 16:51:15	01:14
2301852	10/31/23 10:24:56	10/31/2023 10:26:06	01:10
2301762	10/14/23 15:54:32	10/14/2023 15:55:41	01:09
2301795	10/19/23 20:37:13	10/19/2023 20:38:19	01:06
2301787	10/19/23 11:41:17	10/19/2023 11:42:22	01:05
2301725	10/08/23 18:57:20	10/08/2023 18:58:23	01:03
2301792	10/19/23 21:15:00	10/19/2023 21:15:59	00:59
2301817	10/25/23 10:20:40	10/25/2023 10:21:39	00:59
2301766	10/14/23 11:59:02	10/14/2023 12:00:01	00:59
2301820	10/25/23 21:35:49	10/25/2023 21:36:46	00:57
2301798	10/20/23 17:37:48	10/20/2023 17:38:44	00:56
2301692	10/02/23 18:44:09	10/02/2023 18:45:01	00:52
2301794	10/19/23 06:52:09	10/19/2023 06:53:01	00:52
2301688	10/02/23 07:02:05	10/02/2023 07:02:56	00:51
2301689	10/01/23 20:53:38	10/01/2023 20:54:27	00:49
2301720	10/07/23 12:55:42	10/07/2023 12:56:30	00:48
2301685	10/01/23 15:32:29	10/01/2023 15:33:17	00:48
2301796	10/20/23 11:29:06	10/20/2023 11:29:52	00:46
2301788	10/19/23 17:01:33	10/19/2023 17:02:12	00:39
2301789	10/19/23 19:09:31	10/19/2023 19:10:08	00:37
2301797	10/20/23 14:28:33	10/20/2023 14:29:03	00:30
2301726	10/08/23 10:55:55	10/08/2023 10:56:12	00:17
2301816	10/25/23 12:28:25	10/25/2023 12:28:42	00:17
2301824	10/26/23 11:45:55	10/26/2023 11:46:00	00:05
2301761	10/14/23 11:06:43	10/14/2023 11:06:45	00:02
2301764	10/14/23 15:27:09	10/14/2023 15:27:09	00:00

2301822 10/26/23 11:10:20 10/26/2023 11:10:20 00:00

Shift Average Turnout: 0-842928

B SHIFT			
Incident Number	Alarm Time	Enroute Time	Turnout Time (min:sec)
2301706	10/04/23 10:19:45	10/04/2023 10:23:14	03:29
2301704	10/05/23 02:45:34	10/05/2023 02:47:49	02:15
2301703	10/04/23 19:04:34	10/04/2023 19:06:46	02:12
2301735	10/10/23 08:23:56	10/10/2023 08:25:53	01:57
2301804	10/23/23 04:57:34	10/23/2023 04:59:28	01:54
2301738	10/10/23 10:07:50	10/10/2023 10:09:38	01:48
2301800	10/21/23 19:04:17	10/21/2023 19:06:03	01:46
2301832	10/27/23 13:08:35	10/27/2023 13:10:19	01:44
2301772	10/15/23 09:59:12	10/15/2023 10:00:55	01:43
2301803	10/21/23 16:57:05	10/21/2023 16:58:46	01:41
2301801	10/21/23 08:55:54	10/21/2023 08:57:35	01:41
2301699	10/04/23 14:18:52	10/04/2023 14:20:31	01:39
2301734	10/10/23 11:58:12	10/10/2023 11:59:50	01:38
2301732	10/09/23 22:20:18	10/09/2023 22:21:52	01:34
2301705	10/05/23 04:23:28	10/05/2023 04:24:53	01:25
2301776	10/16/23 17:46:02	10/16/2023 17:47:26	01:24
2301833	10/28/23 04:26:06	10/28/2023 04:27:29	01:23
2301743	10/10/23 13:57:48	10/10/2023 13:59:05	01:17
2301802	10/22/23 18:03:17	10/22/2023 18:04:33	01:16
2301740	10/09/23 17:27:31	10/09/2023 17:28:35	01:04
2301831	10/28/23 15:39:32	10/28/2023 15:40:36	01:04
2301744	10/10/23 17:15:54	10/10/2023 17:16:53	00:59
2301731	10/09/23 11:26:00	10/09/2023 11:26:58	00:58
2301771	10/16/23 07:26:29	10/16/2023 07:27:26	00:57
2301777	10/16/23 19:07:13	10/16/2023 19:08:09	00:56
2301746	10/10/23 22:01:19	10/10/2023 22:02:09	00:50
2301745	10/10/23 22:01:19	10/10/2023 22:02:09	00:50
2301774	10/15/23 12:31:42	10/15/2023 12:32:31	00:49

2301733	10/09/23 07:50:00	10/09/2023 07:50:46	00:46
2301770	10/15/23 19:38:16	10/15/2023 19:38:57	00:41
2301835	10/28/23 22:45:08	10/28/2023 22:45:47	00:39
2301828	10/27/23 15:27:00	10/27/2023 15:27:38	00:38
2301834	10/28/23 21:47:25	10/28/2023 21:48:02	00:37
2301773	10/15/23 21:26:40	10/15/2023 21:27:17	00:37
2301741	10/10/23 17:55:57	10/10/2023 17:56:31	00:34
2301698	10/03/23 18:12:47	10/03/2023 18:13:20	00:33
2301702	10/04/23 12:35:33	10/04/2023 12:36:05	00:32
2301829	10/28/23 11:14:32	10/28/2023 11:15:02	00:30
2301742	10/10/23 18:09:56	10/10/2023 18:10:18	00:22
2301736	10/09/23 11:53:31	10/09/2023 11:53:48	00:17
2301827	10/27/23 17:17:30	10/27/2023 17:17:41	00:11
2301826	10/27/23 10:52:49	10/27/2023 10:53:00	00:11
2301737	10/09/23 18:04:32	10/09/2023 18:04:39	00:07
2301697	10/03/23 10:49:21	10/03/2023 10:49:24	00:03
2301701	10/03/23 10:00:28	10/03/2023 10:00:28	00:00
2301775	10/16/23 16:06:01	10/16/2023 16:06:01	00:00
2301700	10/03/23 10:31:41	10/03/2023 10:31:41	00:00
2301830	10/28/23 14:56:36	10/28/2023 14:55:16	0-1:0-20

Shift Average Turnout: 01:00

C SHIFT			
Incident Number	Alarm Time	Enroute Time	Turnout Time (min:sec)
2301838	10/29/23 10:33:52	10/29/2023 10:38:45	04:53
2301718	10/06/23 19:06:05	10/06/2023 19:09:59	03:54
2301710	10/05/23 07:08:37	10/05/2023 07:11:18	02:41
2301707	10/05/23 08:18:48	10/05/2023 08:21:21	02:33
2301758	10/13/23 02:02:05	10/13/2023 02:04:26	02:21
2301851	10/31/23 00:40:25	10/31/2023 00:42:42	02:17
2301749	10/11/23 11:27:16	10/11/2023 11:29:32	02:16
2301748	10/11/23 09:09:03	10/11/2023 09:11:09	02:06
2301715	10/06/23 10:51:46	10/06/2023 10:53:52	02:06

2301809	10/24/23 09:41:18	10/24/2023 09:43:24	02:06
2301783	10/18/23 02:27:17	10/18/2023 02:29:17	02:00
2301814	10/23/23 08:45:11	10/23/2023 08:47:09	01:58
2301813	10/24/23 10:01:33	10/24/2023 10:03:26	01:53
2301780	10/17/23 10:37:52	10/17/2023 10:39:42	01:50
2301781	10/17/23 14:50:43	10/17/2023 14:52:33	01:50
2301755	10/12/23 14:37:50	10/12/2023 14:39:39	01:49
2301708	10/05/23 09:55:17	10/05/2023 09:57:05	01:48
2301711	10/05/23 22:04:09	10/05/2023 22:05:57	01:48
2301753	10/12/23 15:22:37	10/12/2023 15:24:21	01:44
2301849	10/31/23 04:03:59	10/31/2023 04:05:39	01:40
2301842	10/30/23 08:27:39	10/30/2023 08:29:17	01:38
2301843	10/29/23 22:48:10	10/29/2023 22:49:47	01:37
2301759	10/12/23 13:44:06	10/12/2023 13:45:37	01:31
2301750	10/12/23 12:50:11	10/12/2023 12:51:40	01:29
2301756	10/12/23 19:54:55	10/12/2023 19:56:24	01:29
2301808	10/24/23 10:27:44	10/24/2023 10:29:12	01:28
2301815	10/24/23 21:25:09	10/24/2023 21:26:32	01:23
2301757	10/13/23 22:04:03	10/13/2023 22:05:26	01:23
2301836	10/29/23 11:58:03	10/29/2023 11:59:24	01:21
2301712	10/06/23 08:28:01	10/06/2023 08:29:21	01:20
2301806	10/23/23 13:49:16	10/23/2023 13:50:29	01:13
2301805	10/23/23 12:06:58	10/23/2023 12:08:10	01:12
2301812	10/24/23 15:31:42	10/24/2023 15:32:54	01:12
2301709	10/05/23 13:32:35	10/05/2023 13:33:44	01:09
2301779	10/17/23 09:50:18	10/17/2023 09:51:27	01:09
2301752	10/12/23 16:29:49	10/12/2023 16:30:54	01:05
2301848	10/29/23 21:14:11	10/29/2023 21:15:16	01:05
2301850	10/30/23 19:09:40	10/30/2023 19:10:44	01:04
2301847	10/30/23 19:33:30	10/30/2023 19:34:29	00:59
2301810	10/24/23 16:50:44	10/24/2023 16:51:42	00:58
2301845	10/30/23 20:14:27	10/30/2023 20:15:23	00:56
2301714	10/06/23 16:09:36	10/06/2023 16:10:25	00:49
2301713	10/06/23 09:57:24	10/06/2023 09:58:08	00:44

2301811	10/24/23 11:12:23	10/24/2023 11:12:58	00:35
2301782	10/18/23 14:54:07	10/18/2023 14:54:30	00:23
2301837	10/29/23 14:07:02	10/29/2023 14:07:20	00:18
2301778	10/17/23 08:38:56	10/17/2023 08:39:14	00:18
2301751	10/12/23 12:52:43	10/12/2023 12:53:00	00:17
2301785	10/18/23 16:41:20	10/18/2023 16:41:32	00:12
2301846	10/30/23 16:31:35	10/30/2023 16:31:43	00:08
2301754	10/11/23 16:30:02	10/11/2023 16:30:10	00:08
2301841	10/30/23 15:10:12	10/30/2023 15:10:18	00:06
2301786	10/18/23 18:47:01	10/18/2023 18:47:06	00:05
2301840	10/30/23 13:38:56	10/30/2023 13:39:00	00:04
2301784	10/18/23 16:37:16	10/18/2023 16:37:17	00:01
2301747	10/11/23 07:44:47	10/11/2023 07:44:47	00:00

Shift Average Turnout: 0-366862



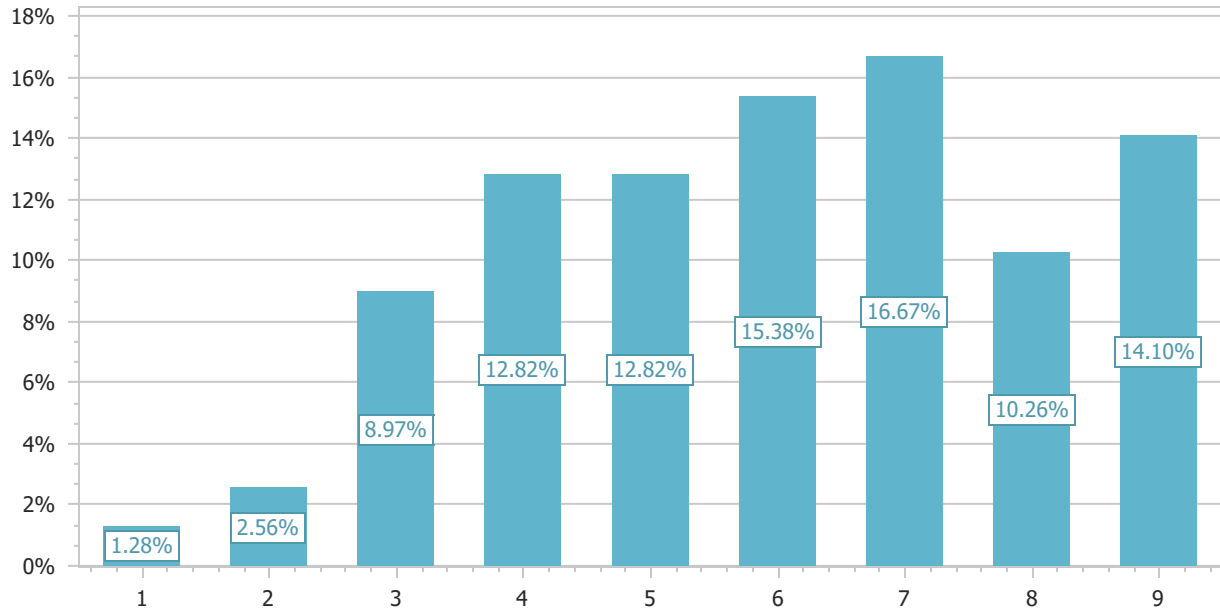
BATTLEFIELD FIRE PROT. DIST.

4117 W. SECOND ST., BATTLEFIELD, MO 65619

OFFICE: 417-881-9018

FAX: 417-887-9914

Incident Response Times, Summary



Incident#	Exp #	Alarm Time	Arrival Time	Response Time
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2301698	0	10/3/2023 6:12:47 PM		00:00:00
2301736	0	10/9/2023 11:53:31 AM		00:00:00
2301753	0	10/12/2023 3:22:37 PM		00:00:00
2301818	0	10/25/2023 10:59:13 AM		00:00:00

Number of Responses UNDER Minutes: 4 (5.13%)

2301775	0	10/16/2023 4:06:01 PM	10/16/2023 4:07:18 PM	00:01:17
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Number of Responses UNDER 2 Minutes: 5 (6.41%)

Incident#	Exp #	Alarm Time	Arrival Time	Response Time
2301744	0	10/10/2023 5:15:54 PM	10/10/2023 5:18:15 PM	00:02:21
2301752	0	10/12/2023 4:29:49 PM	10/12/2023 4:32:08 PM	00:02:19
Number of Responses UNDER 3 Minutes: 7 (8.97%)				

2301692	0	10/2/2023 6:44:09 PM	10/2/2023 6:48:01 PM	00:03:52
2301731	0	10/9/2023 11:26:00 AM	10/9/2023 11:29:15 AM	00:03:15
2301755	0	10/12/2023 2:37:50 PM	10/12/2023 2:41:42 PM	00:03:52
2301766	0	10/14/2023 11:59:02 AM	10/14/2023 12:02:26 PM	00:03:24
2301795	0	10/19/2023 8:37:13 PM	10/19/2023 8:40:53 PM	00:03:40
2301798	0	10/20/2023 5:37:48 PM	10/20/2023 5:41:39 PM	00:03:51
2301805	0	10/23/2023 12:06:58 PM	10/23/2023 12:10:52 PM	00:03:54
Number of Responses UNDER 4 Minutes: 14 (17.95%)				

2301725	0	10/8/2023 6:57:20 PM	10/8/2023 7:02:15 PM	00:04:55
2301749	0	10/11/2023 11:27:16 AM	10/11/2023 11:31:56 AM	00:04:40
2301767	0	10/14/2023 9:41:00 PM	10/14/2023 9:45:54 PM	00:04:54
2301787	0	10/19/2023 11:41:17 AM	10/19/2023 11:46:06 AM	00:04:49
2301796	0	10/20/2023 11:29:06 AM	10/20/2023 11:33:28 AM	00:04:22
2301810	0	10/24/2023 4:50:44 PM	10/24/2023 4:55:39 PM	00:04:55
2301823	0	10/26/2023 12:03:43 AM	10/26/2023 12:08:22 AM	00:04:39
2301827	0	10/27/2023 5:17:30 PM	10/27/2023 5:22:17 PM	00:04:47
2301830	0	10/28/2023 2:56:36 PM	10/28/2023 3:01:21 PM	00:04:45
2301837	0	10/29/2023 2:07:02 PM	10/29/2023 2:11:19 PM	00:04:17

Incident#	Exp #	Alarm Time	Arrival Time	Response Time
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Number of Responses UNDER 5 Minutes: 24 (30.77%)

2301689	0	10/1/2023 8:53:38 PM	10/1/2023 8:59:12 PM	00:05:34
2301702	0	10/4/2023 12:35:33 PM	10/4/2023 12:41:07 PM	00:05:34
2301714	0	10/6/2023 4:09:36 PM	10/6/2023 4:15:25 PM	00:05:49
2301729	0	10/8/2023 5:23:05 AM	10/8/2023 5:28:59 AM	00:05:54
2301732	0	10/9/2023 10:20:18 PM	10/9/2023 10:25:19 PM	00:05:01
2301781	0	10/17/2023 2:50:43 PM	10/17/2023 2:56:08 PM	00:05:25
2301801	0	10/21/2023 8:55:54 AM	10/21/2023 9:01:47 AM	00:05:53
2301826	0	10/27/2023 10:52:49 AM	10/27/2023 10:58:18 AM	00:05:29
2301833	0	10/28/2023 4:26:06 AM	10/28/2023 4:31:10 AM	00:05:04
2301850	0	10/30/2023 7:09:40 PM	10/30/2023 7:15:28 PM	00:05:48

Number of Responses UNDER 6 Minutes: 34 (43.59%)

2301694	0	10/1/2023 4:29:55 PM	10/1/2023 4:36:17 PM	00:06:22
2301715	0	10/6/2023 10:51:46 AM	10/6/2023 10:57:58 AM	00:06:12
2301735	0	10/10/2023 8:23:56 AM	10/10/2023 8:30:26 AM	00:06:30
2301746	0	10/10/2023 10:01:19 PM	10/10/2023 10:08:08 PM	00:06:49
2301776	0	10/16/2023 5:46:02 PM	10/16/2023 5:52:06 PM	00:06:04
2301797	0	10/20/2023 2:28:33 PM	10/20/2023 2:34:42 PM	00:06:09
2301813	0	10/24/2023 10:01:33 AM	10/24/2023 10:08:18 AM	00:06:45
2301825	0	10/26/2023 7:59:06 PM	10/26/2023 8:05:08 PM	00:06:02
2301831	0	10/28/2023 3:39:32 PM	10/28/2023 3:45:39 PM	00:06:07
2301835	0	10/28/2023 10:45:00 PM	10/28/2023 10:51:43 PM	00:06:35

Incident#	Exp #	Alarm Time	Arrival Time	Response Time
2301849	0	10:45:08 PM 10/31/2023 4:03:59 AM	10/31/2023 4:10:56 AM	00:06:57
2301852	0	10/31/2023 10:24:56 AM	10/31/2023 10:31:49 AM	00:06:53
Number of Responses UNDER 7 Minutes: 46 (58.97%)				

2301696	0	10/3/2023 5:12:47 AM	10/3/2023 5:20:07 AM	00:07:20
2301705	0	10/5/2023 4:23:28 AM	10/5/2023 4:31:16 AM	00:07:48
2301723	0	10/8/2023 4:53:46 AM	10/8/2023 5:01:25 AM	00:07:39
2301741	0	10/10/2023 5:55:57 PM	10/10/2023 6:03:00 PM	00:07:03
2301759	0	10/12/2023 1:44:06 PM	10/12/2023 1:51:11 PM	00:07:05
2301760	0	10/13/2023 11:42:27 AM	10/13/2023 11:49:44 AM	00:07:17
2301768	0	10/15/2023 3:48:31 AM	10/15/2023 3:55:56 AM	00:07:25
2301788	0	10/19/2023 5:01:33 PM	10/19/2023 5:08:34 PM	00:07:01
2301791	0	10/20/2023 1:13:45 PM	10/20/2023 1:20:50 PM	00:07:05
2301814	0	10/23/2023 8:45:11 AM	10/23/2023 8:52:33 AM	00:07:22
2301806	0	10/23/2023 1:49:16 PM	10/23/2023 1:56:44 PM	00:07:28
2301811	0	10/24/2023 11:12:23 AM	10/24/2023 11:19:43 AM	00:07:20
2301824	0	10/26/2023 11:45:55 AM	10/26/2023 11:53:25 AM	00:07:30
Number of Responses UNDER 8 Minutes: 59 (75.64%)				

2301716	0	10/2/2023 7:06:40 PM	10/2/2023 7:15:34 PM	00:08:54
2301712	0	10/6/2023 8:28:01 AM	10/6/2023 8:36:30 AM	00:08:29
2301722	0	10/7/2023 7:48:13 PM	10/7/2023 7:56:44 PM	00:08:31
2301730	0	10/9/2023 1:40:31 AM	10/9/2023 1:49:03 AM	00:08:32

Incident#	Exp #	Alarm Time	Arrival Time	Response Time
2301773	0	10/15/2023 9:26:40 PM	10/15/2023 9:34:40 PM	00:08:00
2301780	0	10/17/2023 10:37:52 AM	10/17/2023 10:46:43 AM	00:08:51
2301793	0	10/19/2023 2:00:23 PM	10/19/2023 2:09:21 PM	00:08:58
2301800	0	10/21/2023 7:04:17 PM	10/21/2023 7:13:14 PM	00:08:57
Number of Responses UNDER 9 Minutes: 67 (85.90%)				

2301688	0	10/2/2023 7:02:05 AM	10/2/2023 7:11:29 AM	00:09:24
2301727	0	10/8/2023 3:11:18 PM	10/8/2023 3:20:27 PM	00:09:09
2301728	0	10/8/2023 9:38:11 PM	10/8/2023 9:47:53 PM	00:09:42
2301803	0	10/21/2023 4:57:05 PM	10/21/2023 5:06:40 PM	00:09:35
2301829	0	10/28/2023 11:14:32 AM	10/28/2023 11:24:11 AM	00:09:39
Number of Responses UNDER 10 Minutes: 72 (92.31%)				

2301761	0	10/14/2023 11:06:43 AM	10/14/2023 11:18:40 AM	00:11:57
2301771	0	10/16/2023 7:26:29 AM	10/16/2023 7:38:16 AM	00:11:47
2301778	0	10/17/2023 8:38:56 AM	10/17/2023 8:49:58 AM	00:11:02
2301817	0	10/25/2023 10:20:40 AM	10/25/2023 10:32:30 AM	00:11:50
Number of Responses UNDER 12 Minutes: 76 (97.44%)				

2301704	0	10/5/2023 2:45:34 AM	10/5/2023 2:57:57 AM	00:12:23
Number of Responses UNDER 13 Minutes: 77 (98.72%)				

2301772	0	10/15/2023 9:59:12 AM	10/15/2023 10:14:11 AM	00:14:59
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Incident#	Exp #	Alarm Time	Arrival Time	Response Time
Number of Responses UNDER 15 Minutes: 78 (100.00%)				

Average Response Time	5.87
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Battlefield Fire Protection District

Supplemental Actuarial Valuation of Alternate
LAGERS Benefits
February 28, 2023



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October 18, 2023

Battlefield Fire Protection District
Battlefield, Missouri

Ladies and Gentlemen:

Submitted in this report are the results of an actuarial valuation prepared to determine the employer contribution rates required to support, for your employees, certain benefits provided by the Missouri Local Government Employees Retirement System (LAGERS). This report contains the information needed to comply with Missouri state disclosure requirements regarding changes in LAGERS benefits by a political subdivision (Sections 105.660 - 105.685 RSMo).

The contribution requirement for benefits likely to accrue as a result of the future service of your employees is described in this report as the normal cost rate plus the casualty rate. This contribution rate, expressed as a percent of active employee payroll, will depend on the benefit plan adopted.

The contribution requirement to pay for benefits likely to result from service rendered by your employees prior to the valuation date, the liability for which is not covered by present employer account balances, is described in this report as the prior service cost rate. The prior service cost rate is the rate of contribution designed to pay for any unfunded actuarial accrued liability.

Section 70.730 of the Revised Statutes of Missouri requires participating employers to contribute the normal cost rate, casualty rate, and prior service cost rate for the benefit plan in effect. These contributions are mandatory.

The actuarial assumptions and methods used to determine the stated costs are described in Appendix I of this report. In our opinion, they do produce results which, in the aggregate, are reasonable. Additional miscellaneous and technical assumptions as well as disclosures required by the actuarial standards of practice may be found in the LAGERS Compiled Annual Actuarial Valuation report as of February 28, 2023. Annual actuarial valuation results for the political subdivision and information pertaining to those results may be found in the political subdivision's annual actuarial valuation report as of February 28, 2023.

This report was prepared using our proprietary valuation model and related software which, in our professional judgment, has the capability to provide results that are consistent with the purposes of the valuation and has no material limitations or known weaknesses. We performed tests to ensure that the model reasonably represents that which is intended to be modeled.

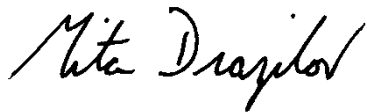
The computed contribution rates will permit the System to continue to operate in accordance with the actuarial principles of level cost financing and the state law which governs LAGERS. Summary provisions of the law as well as benefit illustrations can be found in Appendices II and III.

In accordance with 105.675 RSMo, note that this entire report must be available as public information for at least 45 calendar days prior to the date final official action is taken by your governing body to adopt an alternate benefit plan. You may wish to make notice of this report in the official minutes of the next meeting of your governing body. This action would not be binding on your subdivision, yet would establish the beginning date of the 45 day waiting period. The statement of cost must also be provided to the Joint Committee on Public Employee Retirement. The statement can be mailed to the State Capitol, Room 219-A, Jefferson City, MO 65101 or e-mailed to JCPER@senate.mo.gov.

The valuation was based on the same data as was used in your February 28, 2023 annual actuarial valuation. If you have any questions concerning this report or LAGERS in general, please contact the LAGERS office in Jefferson City.

Mita D. Drazilov is a Member of the American Academy of Actuaries and meets the Qualification Standards of the American Academy of Actuaries to render the actuarial opinions contained herein.

Respectfully submitted,
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink that reads "Mita Drazilov". The signature is fluid and cursive, with the first name "Mita" and last name "Drazilov" clearly legible.

Mita D. Drazilov, ASA, FCA, MAAA



Alternate Plan Provisions Affecting Employer Contribution Rates

The law governing LAGERS provides for a member contribution rate of 0%, 2%, 4% or 6%, with benefits based on either a 5 year or 3 year Final Average Salary (FAS).

Member Contribution Rate - 0% Plan. Under the 0% plan, there is no individual employee contribution to the plan, no individual account maintained for each employee, and no refund paid to employees who terminate before being eligible for a benefit.

Member Contribution Rate - 2%, 4% or 6% Plan. Under any plan other than 0%, each covered member contributes a percentage of compensation to LAGERS. If an employee terminates before being eligible for an immediate benefit, the member's contributions, plus any interest credited to the member's individual account, are refunded upon request.

The law further provides for nine different benefit programs (benefit formula factors) and allows an employer to elect "rule of 80" eligibility for benefits. Under the rule of 80, employees are eligible for unreduced benefits at the earlier of (i) attainment of their minimum service retirement age or (ii) such time as their years of age plus years of LAGERS credited service equals 80.

In total this allows for 144 different combinations of benefit plans, giving employers considerable latitude in designing the retirement program that best suits their particular situation.

The applicable combinations of these items may be changed from time to time, however, there are limitations on the frequency of changes. A more detailed description of plan provisions may be found in Appendix II of this report.

Battlefield Fire Protection District

Computed Employer Contribution Rates - General Employees

As of February 28, 2023

Benefit Plan Information

<u>Benefit Plans</u>	<u>Present Plan</u>	<u>Alternate Plan</u>
# Benefit Program:	L-7	L-6
Final Average Salary:	5 years	5 years
Member Contribution Rate:	4%	4%
Retirement Eligibility:	Regular	Regular

Actuarial Information

Employer Contribution Rates (as a percent of payroll)

	<u>Present Plan</u>	<u>Alternate Plan</u>
Normal Cost Rate	7.3%	10.7%
Casualty Rate	0.3	0.5
Prior Service Cost Rate ¹	<u>6.9</u>	<u>7.3</u>
Total Employer Contribution Rate	14.5%	18.5%
 Increase in Employer Contribution Rate for Alternate Plan as a percent of payroll		 4.0%
 Increase in Actuarial Accrued Liability ¹		 \$3,733

Employer contribution rates shown above are for the fiscal year beginning in 2024. If the alternate plan is adopted prior to the fiscal year beginning in 2024, 4.0% would be added to the employer contribution rate currently in effect.

Change in provisions from present plan.

1 The increase in the actuarial accrued liability due to adoption of the alternate plan was amortized over a 20 year period to compute the increase in the Prior Service Cost Rate.

If you have any questions, please call the LAGERS office at 1-800-447-4334.



Battlefield Fire Protection District

Projected Estimated Employer Contribution Rates - General Employees

As of February 28, 2023

Valuation Date Feb. 28/29	Estimated Projected Payroll	Present Plan			Alternate Plan			Change Due to Proposed Provisions		
		Estimated Employer Contribution		Estimated Difference Between AAL and AVA	Estimated Employer Contribution		Estimated Difference Between AAL and AVA	Estimated Employer Contribution		Estimated Difference Between AAL and AVA
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2023	\$74,885	14.5%	\$10,858	\$48,258	18.5%	\$13,854	\$51,991	4.0%	\$2,996	\$3,733
2024	76,944	14.5	11,157	47,731	18.5	14,235	51,440	4.0	3,078	3,709
2025	79,060	14.5	11,464	47,061	18.5	14,626	50,736	4.0	3,162	3,675
2026	81,234	14.5	11,779	46,232	18.5	15,028	49,862	4.0	3,249	3,630
2027	83,468	14.5	12,103	45,232	18.5	15,442	48,807	4.0	3,339	3,575
2028	85,763	14.5	12,436	44,047	18.5	15,866	47,554	4.0	3,430	3,507
2029	88,121	14.5	12,778	42,658	18.5	16,302	46,083	4.0	3,524	3,425
2030	90,544	10.4	9,417	41,048	14.4	13,038	44,376	4.0	3,621	3,328
2031	93,034	11.4	10,606	43,104	15.4	14,327	46,320	4.0	3,721	3,216
2032	95,592	12.4	11,853	44,306	16.4	15,677	47,392	4.0	3,824	3,086

AAL = Actuarial Accrued Liability

AVA = Actuarial Value of Assets

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) For purposes of the above projections, it was assumed that all actuarial assumptions would be realized. In particular, it was assumed that the actuarial value of assets would earn 7.00% in each year.
- 3) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 4) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 5) Differences between fiscal end dates of the employer and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 6) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

Other disclosures required by Section 105.665 of the Revised Statutes of Missouri (RSMo):

- 1) As of February 28, 2023, the actuarial value of assets is \$(38,100); the estimated market value of assets is \$(38,100); the actuarial accrued liability is \$10,158; and the funded ratio is (375.1)%. These results are based on the assets and liabilities associated with the Employer Accumulation Fund and the Member Deposit Fund for this division.
- 2) Under Section 70.730 of the Revised Statutes of Missouri, the computed employer contribution rate shall not exceed the contribution rate for the immediately preceding fiscal year by more than one percent (not including the effects of any benefit changes). As of February 28, 2023, there is no difference between the capped and uncapped employer contribution rate.



Battlefield Fire Protection District

Computed Employer Contribution Rates - Fire Employees

As of February 28, 2023

Benefit Plan Information		
<u>Benefit Plans</u>	<u>Present Plan</u>	<u>Alternate Plan</u>
# Benefit Program:	L-7	L-6
Final Average Salary:	5 years	5 years
Member Contribution Rate:	4%	4%
Retirement Eligibility:	Regular	Regular

Actuarial Information		
Employer Contribution Rates (as a percent of payroll)		
	<u>Present Plan</u>	<u>Alternate Plan</u>
Normal Cost Rate	6.8%	10.2%
Casualty Rate	0.8	1.0
Prior Service Cost Rate ¹	<u>3.5</u>	<u>6.4</u>
Total Employer Contribution Rate	11.1%	17.6%
Increase in Employer Contribution Rate for Alternate Plan as a percent of payroll		6.5%
Increase in Actuarial Accrued Liability ¹		\$621,520

Employer contribution rates shown above are for the fiscal year beginning in 2024. If the alternate plan is adopted prior to the fiscal year beginning in 2024, 6.5% would be added to the employer contribution rate currently in effect.

Change in provisions from present plan.

¹ The increase in the actuarial accrued liability due to adoption of the alternate plan was amortized over a 20 year period to compute the increase in the Prior Service Cost Rate.

If you have any questions, please call the LAGERS office at 1-800-447-4334.



Battlefield Fire Protection District

Projected Estimated Employer Contribution Rates - Fire Employees

As of February 28, 2023

Valuation Date Feb. 28/29	Estimated Projected Payroll	Present Plan			Alternate Plan			Change Due to Proposed Provisions		
		Estimated Employer Contribution		Estimated Difference Between AAL and AVA	Estimated Employer Contribution		Estimated Difference Between AAL and AVA	Estimated Employer Contribution		Estimated Difference Between AAL and AVA
		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars		As a % of Payroll	Annual Dollars	
2023	\$1,589,922	11.1%	\$176,481	\$721,191	17.6%	\$279,826	\$1,342,711	6.5%	\$103,345	\$621,520
2024	1,633,645	11.1	181,335	713,869	17.6	287,522	1,331,337	6.5	106,187	617,468
2025	1,678,570	11.1	186,321	704,445	17.6	295,428	1,316,269	6.5	109,107	611,824
2026	1,724,731	11.1	191,445	692,729	17.6	303,553	1,297,170	6.5	112,108	604,441
2027	1,772,161	11.1	196,710	678,515	17.6	311,900	1,273,675	6.5	115,190	595,160
2028	1,820,895	11.1	202,119	661,579	17.6	320,478	1,245,390	6.5	118,359	583,811
2029	1,870,970	11.1	207,678	641,687	17.6	329,291	1,211,897	6.5	121,613	570,210
2030	1,922,422	11.7	224,923	618,581	18.2	349,881	1,172,740	6.5	124,958	554,159
2031	1,975,289	11.6	229,134	580,534	18.1	357,527	1,115,979	6.5	128,393	535,445
2032	2,029,609	11.9	241,523	538,621	18.4	373,448	1,052,461	6.5	131,925	513,840

AAL = Actuarial Accrued Liability

AVA = Actuarial Value of Assets

Notes regarding the above projections:

- 1) The purpose of the above projections is to comply with the requirements of Section 105.665 of the Revised Statutes of Missouri (RSMo). The projection results may not be applicable for other purposes.
- 2) For purposes of the above projections, it was assumed that all actuarial assumptions would be realized. In particular, it was assumed that the actuarial value of assets would earn 7.00% in each year.
- 3) Estimated projected payroll is based upon the valuation payroll, increased each future year by 2.75%.
- 4) Due to the estimated nature of the above projections, certain but not all aspects of the Missouri LAGERS funding policy have been incorporated in the above projections.
- 5) Differences between fiscal end dates of the employer and the actuarial valuation date of February 28th have not been incorporated in the above results.
- 6) The actual employer contribution rates for future valuation dates will be based upon actual data as of the future valuation date.

Other disclosures required by Section 105.665 of the Revised Statutes of Missouri (RSMo):

- 1) As of February 28, 2023, the actuarial value of assets is \$2,218,233; the estimated market value of assets is \$2,218,233; the actuarial accrued liability is \$2,939,424; and the funded ratio is 75.5%. These results are based on the assets and liabilities associated with the Employer Accumulation Fund and the Member Deposit Fund for this division.
- 2) Under Section 70.730 of the Revised Statutes of Missouri, the computed employer contribution rate shall not exceed the contribution rate for the immediately preceding fiscal year by more than one percent (not including the effects of any benefit changes). As of February 28, 2023, there is no difference between the capped and uncapped employer contribution rate.



APPENDIX I

SUMMARY OF FINANCIAL ASSUMPTIONS

Summary of Assumptions Used in Actuarial Valuations

Assumptions Adopted by Board of Trustees after Consulting with Actuary

1. The investment return rate used in making the valuations was 7.00% per year, net of investment expenses, compounded annually. This rate of return is not the assumed real rate of return. The real rate of return is the rate of investment return in excess of the inflation rate. The price inflation rate used in making the valuations was 2.25% and the wage inflation rate used in making the valuations was 2.75%. The 7.00% investment return rate translates to an assumed real rate of return over price inflation of 4.75% and over wage inflation of 4.25%. Adopted 2021.
2. The healthy retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubG-2010 Retiree Mortality Table for males and females. The disabled retiree mortality tables, for post-retirement mortality, used in evaluating allowances to be paid were 115% of the PubNS-2010 Disabled Retiree Mortality Table for males and females. The pre-retirement mortality tables used were 75% of the PubG-2010 Employee Mortality Table for males and females of General groups and 75% of the PubS-2010 Employee Mortality Table for males and females of Police, Fire and Public Safety groups. Mortality rates for a particular calendar year are determined by applying the MP-2020 mortality improvement scale to the above described tables. Adopted 2021.
3. The probabilities of withdrawal and disability from service, together with individual pay increase assumptions, are shown in Schedule 1. Adopted 2021.
4. The probabilities of retirement with an age and service allowance are shown in Schedule 2. Adopted 2021.
5. Post-retirement cost of living allowances are assumed to be 2.00% per year. Adopted 2021.
6. Total active member payroll is assumed to increase 2.75% a year, which is the portion of the individual pay increase assumptions attributable to wage inflation. In effect, this assumes no change in the number of active members per employer. Adopted 2021.
7. An individual entry-age actuarial cost method of valuation was used in determining age and service allowance actuarial liabilities and normal cost. Adopted 1986.
8. The data about persons now covered was furnished by the political subdivision. Although examined for general reasonableness, the data was not audited by us.

Schedule 1.

Separations From Active Employment (Not Including Death-in-Service) Before Age & Service Retirement and Individual Pay Increase Assumptions

		Percent of Active Members Separating Within Next Year							
Sample Ages	Years of Service	General/Public Safety Members				Police		Fire	
		Men		Women		Disability	Withdrawal	Disability	Withdrawal
All	0		20.00%		23.00%		18.00%		12.00%
	1		18.00		21.00		17.00		10.00
	2		16.00		18.00		16.00		8.00
	3		13.00		15.00		14.00		8.00
	4		12.00		13.00		13.00		7.00
25	5 & Over	0.07%	8.80	0.02%	12.40	0.10%	10.80	0.07%	6.00
30		0.10	7.10	0.03	10.20	0.11	8.50	0.11	4.50
35		0.13	5.60	0.06	7.80	0.16	6.30	0.25	3.20
40		0.18	4.10	0.09	5.80	0.22	4.60	0.39	2.40
45		0.25	3.10	0.15	4.40	0.34	3.40	0.62	1.90
50		0.37	2.40	0.22	3.50	0.53	2.10	0.95	1.30
55		0.57	1.70	0.32	2.50	0.88	1.10	1.46	0.70
60		0.86	1.10	0.45	1.40		0.00		0.00
65			0.00		0.00		0.00		0.00

Percent Increase in Individual's Pay During Next Year			
Sample Ages	General/ Public Safety	Police	Fire
25	6.75%	6.55%	7.15%
30	5.95	5.75	6.05
35	5.35	5.25	5.15
40	4.85	4.75	4.45
45	4.25	4.25	4.05
50	3.85	3.85	3.85
55	3.65	3.65	3.45
60	3.45	3.45	2.75
65	3.15	3.15	2.75

Schedule 2.

Percent of Eligible Active Members Retiring Within Next Year Without Rule of 80 Eligibility

Early Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
55	3.00%	3.00%	50	2.50%	2.25%
56	3.00%	3.00%	51	2.50%	2.25%
57	3.00%	3.00%	52	3.00%	2.25%
58	3.00%	3.00%	53	3.00%	2.25%
59	3.00%	3.00%	54	3.50%	2.25%

Normal Retirement

Retirement Ages	General Members		Retirement Ages	Police/ Public Safety	Fire
	Men	Women			
60	10%	10%	55	11%	13%
61	10	10	56	11	13
62	25	15	57	11	13
63	20	15	58	11	13
64	20	15	59	11	13
65	25	25	60	11	15
66	25	30	61	11	20
67	20	25	62	22	20
68	20	25	63	18	20
69	20	20	64	18	20
70	100	100	65	100	100

Schedule 2. (Concluded)

Percent of Eligible Active Members Retiring Within Next Year With Rule of 80 Eligibility

Retirement Ages	General Members		Police/ Public Safety	Fire
	Men	Women		
50	20%	15%	25%	25%
51	20	15	25	20
52	15	15	15	20
53	15	15	15	20
54	15	15	15	20
55	15	15	15	20
56	15	15	15	20
57	15	15	15	25
58	15	15	15	25
59	15	15	15	25
60	15	15	15	35
61	15	15	25	35
62	25	15	20	45
63	25	15	20	45
64	25	20	20	45
65	30	25	100	100
66	30	25		
67	20	25		
68	20	25		
69	20	25		
70	100	100		

APPENDIX II

SUMMARY OF LAGERS PROVISIONS

Missouri Local Government Employees Retirement System

Brief Summary of LAGERS

Benefits and Conditions Evaluated and/or Considered as of February 28, 2023

(Section References are to RSMo)

Voluntary Retirement. Sections 70.645 & 70.600. A member may retire with an age & service allowance after both (i) completing 5 years of credited service, and (ii) attaining the minimum service retirement age.

The minimum service retirement age is age 60 for a general employee and age 55 for a police, public safety or fire employee. Optionally, employers may also elect to provide for unreduced benefits for employees whose combination of years of age and years of service equals 80 or more.

Final Average Salary. Section 70.600. The average of a member's monthly compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) of credited service producing the highest monthly average, which period is contained within the 120 consecutive months of credited service immediately preceding retirement.

Age & Service Allowance. Section 70.655. The allowance, payable monthly for life, equals a specified percent of a member's final average salary multiplied by the number of years of credited service. Each employer elects the percent applicable to its members, from the following programs:

L-1 Benefit Program:	1.00% for life
L-3 Benefit Program:	1.25% for life
L-7 Benefit Program:	1.50% for life
L-9 Benefit Program:	1.60% for life
L-12 Benefit Program:	1.75% for life
L-6 Benefit Program:	2.00% for life
LT-4 Benefit Program:	1.00% for life, plus 1.00% to age 62
LT-5 Benefit Program:	1.25% for life, plus 0.75% to age 62
LT-8 Benefit Program:	1.50% for life, plus 0.50% to age 62
LT-4(65) Benefit Program:	1.00% for life, plus 1.00% to age 65
LT-5(65) Benefit Program:	1.25% for life, plus 0.75% to age 65
LT-8(65) Benefit Program:	1.50% for life, plus 0.50% to age 65
LT-10(65) Benefit Program:	1.60% for life, plus 0.40% to age 65
LT-14(65) Benefit Program:	1.75% for life, plus 0.25% to age 65

The only LT benefit programs available for adoption after August 1, 1994 are the LT(65) programs.

Benefit programs L-9 and LT-10(65) are unavailable for adoption after August 1, 2005.

Benefit program L-11, available only to groups not covered by Social Security, provides for 2.5% for life.

Subsequent to joining the System the governing body can elect to change benefit programs for the employees, but not more often than once every 2 years.



Early Allowance. Section 70.670. A member may retire with an early allowance after both (i) completing 5 years of credited service, and (ii) attaining age 55 if a general employee or age 50 if a police, public safety or fire employee. The early allowance amount, payable monthly for life, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of early retirement, but reduced to reflect the fact that the age when payments begin is younger than the minimum service retirement age. The amount of the reduction is 1/2 of 1% (.005) for each month the age at retirement is younger than the minimum service retirement age.

Deferred Allowance. Section 70.675. If a member leaves LAGERS-covered employment (i) before attaining the early retirement age, and (ii) after completing 5 years of credited service, the member becomes eligible for a deferred allowance; provided the former member lives to the minimum service retirement age and does not withdraw the accumulated contributions.

The deferred allowance amount, payable monthly for life from the minimum service retirement age, is computed in the same manner as an age & service allowance, based upon the service and earnings record to time of leaving LAGERS coverage.

Deferred allowances are also payable any time after reaching the early retirement age, with the reduction for early retirement noted on the previous page.

Non-Duty Disability Allowance. Section 70.680. A member with 5 or more years of credited service who becomes totally and permanently disabled from other than duty-connected causes becomes eligible to receive a non-duty disability allowance computed in the same manner as an age & service allowance, based upon the service & earnings record to time of disability.

Duty Disability Allowance. Section 70.680. A member regardless of credited service who becomes totally and permanently disabled from duty-connected causes becomes eligible to receive a duty disability allowance computed in the same manner as an age & service allowance, based upon the earnings record to time of disability but based upon the years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Death-in-Service. Section 70.661. Upon the death of a member who had completed 5 years of credited service, the eligible surviving dependents receive the following benefits:

- (a) The surviving spouse receives an allowance equal to the Option A allowance (joint and 75% survivor benefit) computed based upon the deceased members' service & earnings record to time of death.
- (b) When no spouse benefit is payable, the dependent children under age 18 (age 23 if they are full time students) each receive an equal share of 60% of an age & service allowance computed based upon the deceased member's service & earnings record to time of death.
- (c) If the death is determined to be duty related, the 5 year service requirement is waived and the benefit is based on years of credited service the member would have completed had the member continued in LAGERS-covered employment to age 60.

Benefit Changes After Retirement. Section 70.655. For retirements effective after September 28, 1975, there is an annual redetermination of monthly benefit amount, beginning the October first following 12 months of retirement. As of each October first the amount of each eligible benefit is redetermined as follows:

- (a) Subject to the maximum in (b), the redetermined amount is the amount otherwise payable multiplied by: 100% plus up to 4%, as determined by the LAGERS Board of Trustees, for each full year of retirement.
- (b) The redetermined amount may not exceed the amount otherwise payable multiplied by the ratio of the Consumer Price Index for the immediately preceding month of June to the Consumer Price Index for the month of June immediately preceding retirement.

Member Contributions. Sections 70.690 & 70.705. Each member contributes a percent of compensation beginning after completion of sufficient employment for 6 months of credited service. The law governing LAGERS has a provision for the adoption of a 2%, 4% or 6% member contribution rate.

If a member leaves LAGERS-covered employment before an allowance is payable, the accumulated contributions are refunded to the member. If the member dies, his accumulated contributions are refunded to a designated beneficiary.

The law governing LAGERS also has a provision for the adoption of a 0% plan in which the full cost of LAGERS participation is paid by the employer. Adoption of the 0% plan may be done at the time of membership or a later date; however, a change in the member contribution rate may not be made more frequently than every 2 years. Under the 0% plan there is no individual account maintained for each employee and no refund of contributions if an employee terminates before being eligible for a benefit.

Employer Contributions. Section 70.730. Each employer contributes the remainder amounts necessary to finance the employees' participation in LAGERS. Contributions to LAGERS are determined based upon level-percent-of-payroll principles, so that contribution rates do not have to increase over decades of time.

APPENDIX III

BENEFIT ILLUSTRATIONS

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary
(L-1 Benefit Program is Years of Credited Service
times: 1.00% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS
35 Years of Service:				
\$1,500	\$ 525	\$ 1,003	\$1,528	102%
2,000	700	1,145	1,845	92%
2,500	875	1,285	2,160	86%
3,000	1,050	1,426	2,476	83%
3,500	1,225	1,567	2,792	80%
4,000	1,400	1,707	3,107	78%
25 Years of Service:				
\$1,500	\$ 375	\$ 1,003	\$1,378	92%
2,000	500	1,145	1,645	82%
2,500	625	1,285	1,910	76%
3,000	750	1,426	2,176	73%
3,500	875	1,567	2,442	70%
4,000	1,000	1,707	2,707	68%
15 Years of Service:				
\$1,500	\$225	\$ 1,003	\$1,228	82%
2,000	300	1,145	1,445	72%
2,500	375	1,285	1,660	66%
3,000	450	1,426	1,876	63%
3,500	525	1,567	2,092	60%
4,000	600	1,707	2,307	58%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(L-3 Benefit Program is Years of Credited Service
times: 1.25% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS
35 Years of Service:				
\$1,500	\$ 656	\$ 1,003	\$1,659	111%
2,000	875	1,145	2,020	101%
2,500	1,094	1,285	2,379	95%
3,000	1,313	1,426	2,739	91%
3,500	1,531	1,567	3,098	89%
4,000	1,750	1,707	3,457	86%
25 Years of Service:				
\$1,500	\$ 469	\$ 1,003	\$1,472	98%
2,000	625	1,145	1,770	89%
2,500	781	1,285	2,066	83%
3,000	938	1,426	2,364	79%
3,500	1,094	1,567	2,661	76%
4,000	1,250	1,707	2,957	74%
15 Years of Service:				
\$1,500	\$281	\$ 1,003	\$1,284	86%
2,000	375	1,145	1,520	76%
2,500	469	1,285	1,754	70%
3,000	563	1,426	1,989	66%
3,500	656	1,567	2,223	64%
4,000	750	1,707	2,457	61%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(L-7 Benefit Program is Years of Credited Service
times: 1.50% of FAS ¹)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³	Estimated Social Security ²	Estimated Monthly Total	
			\$	% of FAS
35 Years of Service:				
\$1,500	\$ 788	\$ 1,003	\$1,791	119%
2,000	1,050	1,145	2,195	110%
2,500	1,313	1,285	2,598	104%
3,000	1,575	1,426	3,001	100%
3,500	1,838	1,567	3,405	97%
4,000	2,100	1,707	3,807	95%
25 Years of Service:				
\$1,500	\$ 563	\$ 1,003	\$1,566	104%
2,000	750	1,145	1,895	95%
2,500	938	1,285	2,223	89%
3,000	1,125	1,426	2,551	85%
3,500	1,313	1,567	2,880	82%
4,000	1,500	1,707	3,207	80%
15 Years of Service:				
\$1,500	\$338	\$ 1,003	\$1,341	89%
2,000	450	1,145	1,595	80%
2,500	563	1,285	1,848	74%
3,000	675	1,426	2,101	70%
3,500	788	1,567	2,355	67%
4,000	900	1,707	2,607	65%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(L-9 Benefit Program is Years of Credited Service
times: 1.60% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS
35 Years of Service:				
\$1,500	\$ 840	\$ 1,003	\$1,843	123%
2,000	1,120	1,145	2,265	113%
2,500	1,400	1,285	2,685	107%
3,000	1,680	1,426	3,106	104%
3,500	1,960	1,567	3,527	101%
4,000	2,240	1,707	3,947	99%
25 Years of Service:				
\$1,500	\$ 600	\$ 1,003	\$1,603	107%
2,000	800	1,145	1,945	97%
2,500	1,000	1,285	2,285	91%
3,000	1,200	1,426	2,626	88%
3,500	1,400	1,567	2,967	85%
4,000	1,600	1,707	3,307	83%
15 Years of Service:				
\$1,500	\$360	\$ 1,003	\$1,363	91%
2,000	480	1,145	1,625	81%
2,500	600	1,285	1,885	75%
3,000	720	1,426	2,146	72%
3,500	840	1,567	2,407	69%
4,000	960	1,707	2,667	67%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-12 Benefit Program is Years of Credited Service times: 1.75% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS

35 Years of Service:

\$1,500	\$ 919	\$ 1,003	\$1,922	128%
2,000	1,225	1,145	2,370	119%
2,500	1,531	1,285	2,816	113%
3,000	1,838	1,426	3,264	109%
3,500	2,144	1,567	3,711	106%
4,000	2,450	1,707	4,157	104%

25 Years of Service:

\$1,500	\$ 656	\$ 1,003	\$1,659	111%
2,000	875	1,145	2,020	101%
2,500	1,094	1,285	2,379	95%
3,000	1,313	1,426	2,739	91%
3,500	1,531	1,567	3,098	89%
4,000	1,750	1,707	3,457	86%

15 Years of Service:

\$1,500	\$ 394	\$ 1,003	\$1,397	93%
2,000	525	1,145	1,670	84%
2,500	656	1,285	1,941	78%
3,000	788	1,426	2,214	74%
3,500	919	1,567	2,486	71%
4,000	1,050	1,707	2,757	69%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts For Sample Combinations of Service & Salary (L-6 Benefit Program is Years of Credited Service times: 2.00% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS
35 Years of Service:				
\$1,500	\$1,050	\$ 1,003	\$2,053	137%
2,000	1,400	1,145	2,545	127%
2,500	1,750	1,285	3,035	121%
3,000	2,100	1,426	3,526	118%
3,500	2,450	1,567	4,017	115%
4,000	2,800	1,707	4,507	113%
25 Years of Service:				
\$1,500	\$ 750	\$ 1,003	\$1,753	117%
2,000	1,000	1,145	2,145	107%
2,500	1,250	1,285	2,535	101%
3,000	1,500	1,426	2,926	98%
3,500	1,750	1,567	3,317	95%
4,000	2,000	1,707	3,707	93%
15 Years of Service:				
\$1,500	\$ 450	\$ 1,003	\$1,453	97%
2,000	600	1,145	1,745	87%
2,500	750	1,285	2,035	81%
3,000	900	1,426	2,326	78%
3,500	1,050	1,567	2,617	75%
4,000	1,200	1,707	2,907	73%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(L-11 Benefit Program is Years of Credited Service
times: 2.50% of FAS ¹)

Final		Estimated	Estimated	
Average	LAGERS	Social	Monthly Total	
Salary (FAS) ¹	BENEFIT ³	Security ²	\$	% of FAS
35 Years of Service:				
\$1,500	\$1,313		\$1,313	88%
2,000	1,750		1,750	88%
2,500	2,188		2,188	88%
3,000	2,625		2,625	88%
3,500	3,063		3,063	88%
4,000	3,500		3,500	88%
25 Years of Service:				
\$1,500	\$ 938		\$ 938	63%
2,000	1,250		1,250	63%
2,500	1,563		1,563	63%
3,000	1,875		1,875	63%
3,500	2,188		2,188	63%
4,000	2,500		2,500	63%
15 Years of Service:				
\$1,500	\$ 563		\$ 563	38%
2,000	750		750	38%
2,500	938		938	38%
3,000	1,125		1,125	38%
3,500	1,313		1,313	38%
4,000	1,500		1,500	38%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-4(62) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 62)
1.00% of FAS ¹ at age 62)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 62	At 62		To 62	At 62	To 62	At 62
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 782	\$1,050	\$1,307	70%	87%
2,000	1,400	700	893	1,400	1,593	70%	80%
2,500	1,750	875	1,001	1,750	1,876	70%	75%
3,000	2,100	1,050	1,110	2,100	2,160	70%	72%
3,500	2,450	1,225	1,219	2,450	2,444	70%	70%
4,000	2,800	1,400	1,328	2,800	2,728	70%	68%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 782	\$ 750	\$1,157	50%	77%
2,000	1,000	500	893	1,000	1,393	50%	70%
2,500	1,250	625	1,001	1,250	1,626	50%	65%
3,000	1,500	750	1,110	1,500	1,860	50%	62%
3,500	1,750	875	1,219	1,750	2,094	50%	60%
4,000	2,000	1,000	1,328	2,000	2,328	50%	58%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 782	\$ 450	\$ 1,007	30%	67%
2,000	600	300	893	600	1,193	30%	60%
2,500	750	375	1,001	750	1,376	30%	55%
3,000	900	450	1,110	900	1,560	30%	52%
3,500	1,050	525	1,219	1,050	1,744	30%	50%
4,000	1,200	600	1,328	1,200	1,928	30%	48%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 62 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-4(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.00% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 525	\$ 1,003	\$1,050	\$1,528	70%	102%
2,000	1,400	700	1,145	1,400	1,845	70%	92%
2,500	1,750	875	1,285	1,750	2,160	70%	86%
3,000	2,100	1,050	1,426	2,100	2,476	70%	83%
3,500	2,450	1,225	1,567	2,450	2,792	70%	80%
4,000	2,800	1,400	1,707	2,800	3,107	70%	78%
25 Years of Service:							
\$1,500	\$ 750	\$ 375	\$ 1,003	\$ 750	\$1,378	50%	92%
2,000	1,000	500	1,145	1,000	1,645	50%	82%
2,500	1,250	625	1,285	1,250	1,910	50%	76%
3,000	1,500	750	1,426	1,500	2,176	50%	73%
3,500	1,750	875	1,567	1,750	2,442	50%	70%
4,000	2,000	1,000	1,707	2,000	2,707	50%	68%
15 Years of Service:							
\$1,500	\$ 450	\$225	\$ 1,003	\$ 450	\$1,228	30%	82%
2,000	600	300	1,145	600	1,445	30%	72%
2,500	750	375	1,285	750	1,660	30%	66%
3,000	900	450	1,426	900	1,876	30%	63%
3,500	1,050	525	1,567	1,050	2,092	30%	60%
4,000	1,200	600	1,707	1,200	2,307	30%	58%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-5(62) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 62)
1.25% of FAS ¹ at age 62)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 62	At 62		To 62	At 62	To 62	At 62
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 782	\$1,050	\$1,438	70%	96%
2,000	1,400	875	893	1,400	1,768	70%	88%
2,500	1,750	1,094	1,001	1,750	2,095	70%	84%
3,000	2,100	1,313	1,110	2,100	2,423	70%	81%
3,500	2,450	1,531	1,219	2,450	2,750	70%	79%
4,000	2,800	1,750	1,328	2,800	3,078	70%	77%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 782	\$ 750	\$1,251	50%	83%
2,000	1,000	625	893	1,000	1,518	50%	76%
2,500	1,250	781	1,001	1,250	1,782	50%	71%
3,000	1,500	938	1,110	1,500	2,048	50%	68%
3,500	1,750	1,094	1,219	1,750	2,313	50%	66%
4,000	2,000	1,250	1,328	2,000	2,578	50%	64%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 782	\$ 450	\$1,063	30%	71%
2,000	600	375	893	600	1,268	30%	63%
2,500	750	469	1,001	750	1,470	30%	59%
3,000	900	563	1,110	900	1,673	30%	56%
3,500	1,050	656	1,219	1,050	1,875	30%	54%
4,000	1,200	750	1,328	1,200	2,078	30%	52%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 62 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS
Illustrations of Age and Service Allowance Amounts
For Sample Combinations of Service & Salary
(LT-5(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.25% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 656	\$ 1,003	\$1,050	\$1,659	70%	111%
2,000	1,400	875	1,145	1,400	2,020	70%	101%
2,500	1,750	1,094	1,285	1,750	2,379	70%	95%
3,000	2,100	1,313	1,426	2,100	2,739	70%	91%
3,500	2,450	1,531	1,567	2,450	3,098	70%	89%
4,000	2,800	1,750	1,707	2,800	3,457	70%	86%
25 Years of Service:							
\$1,500	\$ 750	\$ 469	\$ 1,003	\$ 750	\$1,472	50%	98%
2,000	1,000	625	1,145	1,000	1,770	50%	89%
2,500	1,250	781	1,285	1,250	2,066	50%	83%
3,000	1,500	938	1,426	1,500	2,364	50%	79%
3,500	1,750	1,094	1,567	1,750	2,661	50%	76%
4,000	2,000	1,250	1,707	2,000	2,957	50%	74%
15 Years of Service:							
\$1,500	\$ 450	\$281	\$ 1,003	\$ 450	\$1,284	30%	86%
2,000	600	375	1,145	600	1,520	30%	76%
2,500	750	469	1,285	750	1,754	30%	70%
3,000	900	563	1,426	900	1,989	30%	66%
3,500	1,050	656	1,567	1,050	2,223	30%	64%
4,000	1,200	750	1,707	1,200	2,457	30%	61%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-8(62) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 62)
1.50% of FAS ¹ at age 62)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 62	At 62		To 62	At 62	To 62	At 62
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 782	\$1,050	\$1,570	70%	105%
2,000	1,400	1,050	893	1,400	1,943	70%	97%
2,500	1,750	1,313	1,001	1,750	2,314	70%	93%
3,000	2,100	1,575	1,110	2,100	2,685	70%	90%
3,500	2,450	1,838	1,219	2,450	3,057	70%	87%
4,000	2,800	2,100	1,328	2,800	3,428	70%	86%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 782	\$ 750	\$1,345	50%	90%
2,000	1,000	750	893	1,000	1,643	50%	82%
2,500	1,250	938	1,001	1,250	1,939	50%	78%
3,000	1,500	1,125	1,110	1,500	2,235	50%	75%
3,500	1,750	1,313	1,219	1,750	2,532	50%	72%
4,000	2,000	1,500	1,328	2,000	2,828	50%	71%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 782	\$ 450	\$1,120	30%	75%
2,000	600	450	893	600	1,343	30%	67%
2,500	750	563	1,001	750	1,564	30%	63%
3,000	900	675	1,110	900	1,785	30%	60%
3,500	1,050	788	1,219	1,050	2,007	30%	57%
4,000	1,200	900	1,328	1,200	2,228	30%	56%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 62 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-8(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.50% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 788	\$ 1,003	\$1,050	\$1,791	70%	119%
2,000	1,400	1,050	1,145	1,400	2,195	70%	110%
2,500	1,750	1,313	1,285	1,750	2,598	70%	104%
3,000	2,100	1,575	1,426	2,100	3,001	70%	100%
3,500	2,450	1,838	1,567	2,450	3,405	70%	97%
4,000	2,800	2,100	1,707	2,800	3,807	70%	95%
25 Years of Service:							
\$1,500	\$ 750	\$ 563	\$ 1,003	\$ 750	\$1,566	50%	104%
2,000	1,000	750	1,145	1,000	1,895	50%	95%
2,500	1,250	938	1,285	1,250	2,223	50%	89%
3,000	1,500	1,125	1,426	1,500	2,551	50%	85%
3,500	1,750	1,313	1,567	1,750	2,880	50%	82%
4,000	2,000	1,500	1,707	2,000	3,207	50%	80%
15 Years of Service:							
\$1,500	\$ 450	\$338	\$ 1,003	\$ 450	\$1,341	30%	89%
2,000	600	450	1,145	600	1,595	30%	80%
2,500	750	563	1,285	750	1,848	30%	74%
3,000	900	675	1,426	900	2,101	30%	70%
3,500	1,050	788	1,567	1,050	2,355	30%	67%
4,000	1,200	900	1,707	1,200	2,607	30%	65%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-10(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.60% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 840	\$ 1,003	\$1,050	\$1,843	70%	123%
2,000	1,400	1,120	1,145	1,400	2,265	70%	113%
2,500	1,750	1,400	1,285	1,750	2,685	70%	107%
3,000	2,100	1,680	1,426	2,100	3,106	70%	104%
3,500	2,450	1,960	1,567	2,450	3,527	70%	101%
4,000	2,800	2,240	1,707	2,800	3,947	70%	99%
25 Years of Service:							
\$1,500	\$750	\$ 600	\$ 1,003	\$ 750	\$1,603	50%	107%
2,000	1,000	800	1,145	1,000	1,945	50%	97%
2,500	1,250	1,000	1,285	1,250	2,285	50%	91%
3,000	1,500	1,200	1,426	1,500	2,626	50%	88%
3,500	1,750	1,400	1,567	1,750	2,967	50%	85%
4,000	2,000	1,600	1,707	2,000	3,307	50%	83%
15 Years of Service:							
\$1,500	\$ 450	\$360	\$ 1,003	\$ 450	\$1,363	30%	91%
2,000	600	480	1,145	600	1,625	30%	81%
2,500	750	600	1,285	750	1,885	30%	75%
3,000	900	720	1,426	900	2,146	30%	72%
3,500	1,050	840	1,567	1,050	2,407	30%	69%
4,000	1,200	960	1,707	1,200	2,667	30%	67%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.

Missouri LAGERS

Illustrations of Age and Service Allowance Amounts

For Sample Combinations of Service & Salary

(LT-14(65) Benefit Program is Years of Credited Service
times: 2.00% of FAS ¹ to age 65)
1.75% of FAS ¹ at age 65)

Final Average Salary (FAS) ¹	LAGERS BENEFIT ³		Estimated Social Security ²	Estimated Monthly Total		Percent of FAS	
	To 65	At 65		To 65	At 65	To 65	At 65
35 Years of Service:							
\$1,500	\$1,050	\$ 919	\$ 1,003	\$1,050	\$1,922	70%	128%
2,000	1,400	1,225	1,145	1,400	2,370	70%	119%
2,500	1,750	1,531	1,285	1,750	2,816	70%	113%
3,000	2,100	1,838	1,426	2,100	3,264	70%	109%
3,500	2,450	2,144	1,567	2,450	3,711	70%	106%
4,000	2,800	2,450	1,707	2,800	4,157	70%	104%
25 Years of Service:							
\$1,500	\$ 750	\$ 656	\$ 1,003	\$ 750	\$1,659	50%	111%
2,000	1,000	875	1,145	1,000	2,020	50%	101%
2,500	1,250	1,094	1,285	1,250	2,379	50%	95%
3,000	1,500	1,313	1,426	1,500	2,739	50%	91%
3,500	1,750	1,531	1,567	1,750	3,098	50%	89%
4,000	2,000	1,750	1,707	2,000	3,457	50%	86%
15 Years of Service:							
\$1,500	\$ 450	\$ 394	\$ 1,003	\$ 450	\$1,397	30%	93%
2,000	600	525	1,145	600	1,670	30%	84%
2,500	750	656	1,285	750	1,941	30%	78%
3,000	900	788	1,426	900	2,214	30%	74%
3,500	1,050	919	1,567	1,050	2,486	30%	71%
4,000	1,200	1,050	1,707	1,200	2,757	30%	69%

¹ "Final Average Salary" means the monthly average of an employee's compensation during the period of 60 consecutive months (or optionally, 36 consecutive months) when they were highest, contained within the last 120 months of Credited Service.

² "Estimated Social Security" means, for an employee covered by Social Security, an employee's estimated OASDI retirement benefit. The benefit is based upon an estimated "average indexed monthly earnings" for an employee retiring at age 65 in 2023 - it does not include any amounts which might be payable to an eligible spouse or children.

³ Amounts are shown to nearest \$1, for simplicity; actual amounts are to nearest 1¢.



October 18, 2023 E-mail

Mr. Bill Betts
Executive Director
Missouri Local Government
Employees Retirement System
P.O. Box 1665
Jefferson City, Missouri 65102

Dear Mr. Betts:

Enclosed is the report of the February 28, 2023 Supplemental Actuarial Valuation of LAGERS benefits for the employees of:

Battlefield Fire Protection District

Sincerely,
Gabriel, Roeder, Smith & Company

A handwritten signature in black ink, reading "Mita Drazilov". The signature is fluid and cursive, with the first name "Mita" and last name "Drazilov" clearly distinguishable.

Mita D. Drazilov, ASA, FCA, MAAA

MDD:rmg
Enclosure