

Taylor&Mulder

Property and Casualty Consulting Actuaries

MISSOURI PETROLEUM STORAGE TANK INSURANCE FUND

LOSS AND LOSS ADJUSTMENT EXPENSE RESERVE ANALYSIS AS OF JUNE 30, 2026

September 2026

10508 Rivers Bend Lane, Potomac, MD 20854 t (301) 365-4800 f (301) 36 5-4882 e contact@taylorandmulder.com w taylorandmulder.com

Taylor&Mulder
Property and Casualty Consulting Actuaries

10508 Rivers Bend Lane,
Potomac, MD 20854

t (301) 365-4800 f (301) 365-4882
e contact@taylorandmulder.com

w taylorandmulder.com

September 23, 2026

Ms. Kelley J. Ogletree
Executive Director
Petroleum Storage Tank Insurance Fund
P.O. Box 836
Jefferson City, MO 65102

RE: ACTUARIAL ANALYSIS OF THE PETROLEUM STORAGE TANK INSURANCE FUND AS OF JUNE 30, 2026

Dear Ms. Ogletree:
Enclosed is the actuarial review of the loss and allocated loss adjustment expense reserves of the Missouri Petroleum Storage Tank Insurance Fund as of June 30, 2026

The first section in the text of our report is the Executive Summary section. This section presents our Conclusions and Recommendations. It also describes the Purpose and Scope of our report, explains the Distribution and Use of our report, and provides the Conditions and Limitations underlying our work. This section of our report includes the Background section which provides information about the PSTIF program history.

The next section of the text of our report is the Actuarial Analysis section that describes the sources of data, our overall methodology, the selection of factors and specific methodologies and considerations by line of business. It also describes the selection of ultimate losses, and loss reserve discounting. The Exhibits section of our report follows the text of the report and includes all of our analyses.

Please feel free to call if you have any questions regarding any aspect of our report.

Sincerely,

Daniel W. Lupton, FCAS, MAAA, CSPA, MBA

E. Toni Mulder, FCAS, MAAA, FCA
Enclosures

Missouri Petroleum Storage Tank Insurance Fund
Loss and Loss Adjustment Expense Reserve
Analysis as of June 30, 2026

Contents

Executive Summary 2
- Purpose and Scope 2
- Background 4
- Terms Defined 7
- Conclusions 11
  - Loss and Allocated Loss Adjustment Expense Reserve Adequacy 11
  - Unallocated Loss Adjustment Expense Reserve 13
  - Loss and Loss Adjustment Expense Reserves (Including Unallocated) Needed at Sunset Date 13
  - Reserving Practices 15
  - Underwriting 17
  - Projection of Future Loss and Loss Adjustment Expense, Claim Severity, and Frequency 18
  - Large Loss Claims 31
  - Settlement Speed 35
- Report Distribution and Use 37
- Conditions and Limitations 38

Actuarial Analysis 42
- Sources of Data 42
- Overall Methodology 42
  - Selection of Factors 42
  - Paid Development Method 42
  - Incurred Development Method 43
  - Bornhuetter-Ferguson Methods 44
  - Projection Methodologies for Cash Flow Analysis 45
- Methodology by Claim Type 46
- Selections of Ultimate Losses 48
- Loss Reserve Discounting 48

Executive Summary

Purpose and Scope

Taylor & Mulder, Incorporated (“T&M”) was requested by the Board of Trustees ("Board") of the Missouri Petroleum Storage Tank Insurance Fund (“PSTIF”) to conduct an actuarial review of the PSTIF's loss and loss adjustment expenses reserves as of June 30, 2026. This report contains our summary, conclusions, and recommendations along with a description of the analysis underlying our conclusions.

Specifically, T&M was asked by the Board to conduct an actuarial analysis to include within its scope the following tasks:

- A review and opinion on the adequacy of current claim reserves of PSTIF,
- A projection of PSTIF's future claim liabilities, including an estimate on future claim severity and frequency, separately for each claim type, and
- An analysis of PSTIF's large loss claims, including:
    - Information on the typical lag time between the time when a claim is opened and the time it is identified as a “large loss claim,”
    - The history of losses and reserving practices on “large loss claims,” and
    - Information on how “large loss claims” are expected to impact the PSTIF’s future finances.
- An estimation of the claims impact on PSTIF's financial position of the December 31, 2030 sunset provision in the enabling legislation.

This report presents the results of those analyses. This report was prepared by Daniel W. Lupton, FCAS, MAAA, CSPA, MBA, Vice President and Consulting Actuary, and E. Toni Mulder, FCAS, MAAA, FCA, President and Principal and Consulting Actuary.

In accordance with the requirements of the Actuarial Standards of Practice in making statements of actuarial opinion, we provide the following statements:

I, Daniel W. Lupton, am a Consulting Actuary in the firm of Taylor & Mulder, Inc. I am an Associate of the Casualty Actuarial Society in good standing and qualified to issue a Statement of Actuarial Opinion. I am also a Member of the American Academy of Actuaries.

Background

In the early 1980s, the federal government recognized that an underground storage tank ("UST") could present an environmental hazard. At the time, many underground petroleum tanks were fabricated of unprotected steel which was subject to corrosion and deterioration leading to contamination of the surrounding soil and, perhaps more importantly, nearby groundwater. By 1984, legislation was in place to permit the Environmental Protection Agency ("EPA") to set standards for tank design, installation, and protection to minimize the danger of future releases of petroleum or other hazardous chemicals stored underground. Over the years since, there have been additional EPA standards and regulations for tanks to further strengthen measures to protect the environment and groundwater. Included in these rules are requirements for tank owners/operators to have minimum levels of financial resources to deal with leaks and spills that might occur. In Missouri, this financial requirement is generally met by the purchase of commercial insurance, participation in PSTIF, or both.

Missouri responded to the federal actions and established the Underground Storage Tank Insurance Fund in 1989, which preceded the creation of the PSTIF, to assist owners/operators of underground storage tanks in meeting federal financial responsibility rules. In 1992, the PSTIF began offering contractual coverage to underground tank owners/operators to pay for the costs associated with petroleum leaks and spills in the state of Missouri. This coverage is provided on a claims-made basis.

The initial legislation enabling the PSTIF had a sunset date of December 31, 1998. Additional legislative actions have moved the date to 2003, 2010, 2020, 2025, and finally to the current

December 31, 2030 sunset date. Consequently, all projections performed by T&M in this report assume a December 31, 2030 sunset date. PSTIF will be responsible for the cost of claims reported to it as of December 31, 2030. Claims reported after that date will not be handled by PSTIF without further legislation extending the sunset date.

In 1995, the PSTIF's mandate was expanded to include cleanup of petroleum contamination from certain uninsured leaks and spills. Uninsured risks included operations that had been closed prior to December 31, 1997. Therefore, the PSTIF pays for remediation costs associated with uninsured aboveground and underground storage tanks that were taken out of use by December 31, 1997, even when the tanks were never covered by the PSTIF. In some cases, petroleum releases went undetected (for example, at old gas stations) for many years. When soil or water tests reveal petroleum contamination as a result of such disused sites and a party is identified who is willing to assume responsibility for directing remediation efforts, PSTIF will pay for the remediation associated with that leak or spill subject to certain criteria and after a deductible.

In 1996, PSTIF was opened to aboveground storage tank ("AST") owners/operators to voluntarily purchase protection. Then in 2008, the Missouri legislature mandated that AST owners/operators demonstrate financial responsibility for liability arising from any leak or spill beginning in 2011. This increased the number of ASTs covered by PSTIF.

Extended reporting endorsements permit the reporting of claims for a period of up to five (5) years after the tank is retired from service or sold. PSTIF began offering extended reporting endorsements for AST owners/operators taking tanks out of service in 2002. Beginning in 2004,

UST owners/operators have been able to buy an extended reporting endorsement. However, no extended reporting endorsements will cover claims reported after December 31, 2030, the sunset date in the most recent legislation.

In contrast to many such state funds, which often act more as government grant programs than risk shifting programs, the PSTIF requires tanks owners/operators to complete an application and be approved to receive a coverage document. The coverage document is either the Underground Storage Tank Participation Agreement or the Aboveground Storage Tank Pollution Liability Participation Agreement depending on the type of tank provided coverage. The application and approval process allows PSTIF to enforce compliance with ever-developing standards for tanks and the associated piping.

In the event that a release is discovered after the retroactive date of the PSTIF coverage (the date at which coverage initially attaches), PSTIF will pay for the first $1,000,000 of the costs per event, subject to a $2,000,000 annual aggregate. Each event carries a $10,000 deductible.

For purposes of this report, PSTIF storage tank claims are categorized into the following groups:

- Insurance UST: Underground storage tank petroleum releases from contractually covered tanks;
- Remedial UST: Cleanup costs associated with remediation of uninsured underground storage tank sites that were taken out of use prior to the deadline set by the Missouri Legislature;

- Insurance AST: Aboveground storage tank petroleum spills from contractually covered tanks, and
- Remedial AST: Cleanup costs associated with remediation of uninsured aboveground storage tank sites that were taken out of use prior to the deadline set by the Missouri Legislature.

In the 2025 version of this analysis (and prior), UST releases were separated into three categories, closure, release and other, based on the nature of how the release was discovered. In this analysis, UST releases are treated on a combined basis.

Terms Defined

ALAE Allocated Loss Adjustment Expense ("ALAE") is the amount of money spent on a particular claim to the benefit of an insured, the amount that can be allocated to a single claim. These expenses include the attorneys' fees, expert witnesses, collection and protection of material germane to the claim, etc. For the PSTIF, ALAE does not include contracted fund administration expenses.

Claims-Made Claims-made coverage is a type of insurance coverage that provides protection for the participant on claims reported during the coverage period given that the incident giving rise to the claim occurred on or after the Retroactive Date ("retro date"). The retro date is usually the date the first claims-made coverage was issued to the participant. Coverage provided by PSTIF attaches on a claims-made basis.

Claims-made coverage may be contrasted to occurrence coverage, which responds to claims brought against the insured given that the incident giving rise to the claim occurred during the coverage period. Both private passenger automobile and homeowners' policies are written on an occurrence basis.

Claim Frequency Claim frequency is the average number of claims per contractually covered exposure. For PSTIF, an contractually covered exposure is one tank contractually covered for one year. For example, if 250 claims are reported in a year with 10,000 contractually covered tanks, the claim frequency (average number of claims per contractually covered exposure) is 250 / 10,000 covered tanks = 0.025 claim per tank.

IBNR Incurred But Not Reported ("IBNR"), strictly speaking, is a reserve derived by actuaries for claims not as yet reported to the insurer for which premium has been earned and for which the insurer is responsible. Under this narrow definition of IBNR, claims-made coverages would not have IBNR as all claims are known at the end of the coverage period (or soon thereafter). However, the term IBNR for claims-made coverage is used in a broad sense and includes changes in incurred amounts (i.e., paid plus case reserves) for known claims.

Claim estimates done by a claim department or fund administrator must rely on information about the claim at a point in time. The available information may

be lacking in important details that will greatly impact the ultimate cost of the claim. Actuaries review the data from the aggregated claims data by year as it changes over time, from the first report of the claim to settlement. From these reviews, the actuary can calculate factors to apply to current case data to estimate the ultimate costs of a body of claims. The difference between estimated ultimate values and current case incurred is IBNR.

Because coverage provided by the PSTIF is claims-made rather than occurrence, all references to IBNR in this report will typically refer exclusively to development on known claims unless otherwise noted.

LAE Loss Adjustment Expense ("LAE") is the sum of Allocated Loss Adjustment Expense ("ALAE") and Unallocated Loss Adjustment Expenses ("ULAE") and represents the total costs of handling and defending claims.

LDF A Loss Development Factor ("LDF") is calculated by an actuary from historical claim data and applied to current paid or incurred values to estimate ultimate claim costs for an insurer.

Pure Premium Pure Premium is the average cost of insurance per covered exposure. For PSTIF, a covered exposure is one tank contractually covered for one year. An example might help clarify the concept. If two tanks are covered and one has a

claim for $100, then the pure premium (average loss per covered exposure) is $100 / 2 covered tanks = $50

Severity Severity is the average size of claim for a given collection of claims. For instance, if the total cost for three claims is $45,000, the claim severity (average size of claim) is $45,000 / 3 claims = $15,000 severity.

ULAE Unallocated Loss Adjustment Expense ("ULAE") represents the expenses. For the Fund, ULAE represents costs associated with fund administration.

Conclusions

Loss and Allocated Loss Adjustment Expense Reserve Adequacy

T&M analyzed loss and loss adjustment expense reserves for the four broad categories of claims enumerated above. The following table shows the results of our analysis for these categories:

Missouri Petroleum Storage Tank Insurance Fund
Undiscounted Unpaid Loss & ALAE as of June 30, 2026

Claim Type	Case Outstanding	IBNR	Unpaid ALAE	Unpaid Loss & ALAE
Insurance UST	16,537,615	22,371,942	3,890,956	42,800,513
Remedial UST	10,477,360	2,194,220	1,267,158	13,938,739
Insurance AST	15,297,364	12,806,714	2,810,408	30,914,486
Remedial AST	1,535,054	89,817	162,487	1,787,359
Total	**43,847,393**	**37,462,694**	**8,131,009**	**89,441,096**

Projected investment income for this report was 1.5%, based on historical investment yields earned by the State. Investment income amounts to approximately 9.4% of undiscounted losses. Improvements in investment yield will increase this amount.

The following table shows the results of our analysis taking into account the effect of investment income:

Missouri Petroleum Storage Tank Insurance Fund
Discounted Unpaid Loss & ALAE as of June 30, 2026

Claim Type	Undiscounted Unpaid Loss & ALAE	Discount	Discounted Unpaid Loss & ALAE
Insurance UST	42,800,513	4,064,738	38,735,775
Remedial UST	13,938,739	1,241,658	12,697,080
Insurance AST	30,914,486	3,065,757	27,848,728
Remedial AST	1,787,359	55,824	1,731,535
Total	**89,441,096**	**8,427,978**	**81,013,119**

The majority of case reserves and IBNR are held by contractually covered events (represented by “Insurance UST” and “Insurance AST”).

Reserve changes in this analysis were largely due to a large decrease in case reserves of $9,599,065. This decrease is partially offset by an increase in IBNR of $3,455,710:

Missouri Petroleum Storage Tank Insurance Fund
Comparison of Case Reserves at June 30, 2025 and June 30, 2026

Claim Type	Case Reserves 2025 Study	Case Reserves 2026 Study	Change in Case Reserves
Insurance UST	21,409,740	16,537,615	-4,872,125
Remedial UST	13,846,658	10,477,360	-3,369,297
Insurance AST	16,032,510	15,297,364	-735,146
Remedial AST	2,157,551	1,535,054	-622,496
Total	**53,446,459**	**43,847,393**	**-9,599,065**

Missouri Petroleum Storage Tank Insurance Fund
Comparison of IBNR at June 30, 2025 and June 30, 2026

Claim Type	IBNR 2025 Study	IBNR 2026 Study	Change in IBNR
Insurance UST	20,447,513	22,371,942	1,924,429
Remedial UST	2,474,264	2,194,220	-280,044
Insurance AST	10,997,810	12,806,714	1,808,904
Remedial AST	87,397	89,817	2,420
Total	**34,006,984**	**37,462,694**	**3,455,710**

As of June 30, 2026, PSTIF held $85,849,091 in reserves for claims payable. This is $3,592,005 deficient when compared with the undiscounted unpaid loss and ALAE, and $4,835,972 redundant when compared with the discounted unpaid loss and ALAE.

Note that the reserves in the above table do not include a provision for claims not yet reported to the PSTIF as of June 30, 2026.

Unallocated Loss Adjustment Expense Reserve

If PSTIF were a commercial insurance company, statutory insurance accounting rules would require that all estimated future costs for claims administration for open claims be held as reserves. T&M has estimated those additional costs for R&A Risk Professionals, Inc., the PSTIF fund administrator, to handle all open claims until final settlement at $11,291,135 on an undiscounted basis and $10,227,178 on a discounted basis. This amount is not included in the tables above. This amount reflects the extended time horizon over which PSTIF claims are paid. The following chart shows the total liability including unallocated loss adjustment expense:

Missouri Petroleum Storage Tank Insurance Fund
Discounted Unpaid Loss & LAE as of June 30, 2026

	Undiscounted Reserve	Discount	Discounted Reserve
Loss & Allocated Loss Adjustment Expense	89,441,096	8,427,978	81,013,119
Unallocated Loss Adjustment Expense	11,291,135	1,063,956	10,227,178
Total	100,732,231	9,491,934	91,240,297

Loss and Loss Adjustment Expense Reserves (Including Unallocated) Needed at Sunset Date

If the sunset date of the PSTIF is not changed by the legislature, the ability for filing new claims will sunset on December 31, 2030. In order to estimate the reserve position of PSTIF as of December 31, 2030, T&M made several assumptions. The first assumption was that there

would not be any increase in the rate at which releases are reported as the sunset date approaches, see Exhibits E-15 and E-19.

T&M also assumed that the releases reported from June 30, 2026 through December 31, 2030 will have the same average frequency and severity as the historical data, adjusted for trends in the data. Payment patterns by type of release were applied to the data to produce the needed reserves. The following table summarizes the anticipated reserve required to run off all claims reported as of the anticipated fund sunset date:

Missouri Petroleum Storage Tank Insurance Fund Unpaid Loss & LAE on December 31, 2030 Assuming No Increase in the Rate of Reported Releases Reserve Study as of June 30, 2026		
	Undiscounted	**Discounted**
Unpaid Claim Expense	79,439,827	71,954,263
Unpaid Allocated Loss Adjustment Expense	7,943,983	7,195,426
Unpaid Unallocated Loss Adjustment Expense	11,031,421	9,991,937
Total	98,415,230	89,141,626

As discussed above, these unpaid claim amounts do not take into account the possibility of increased claim reporting in the period leading up to the fund sunset, nor do the above reserves include amounts required for overhead expenses such as salaries of fund personnel or the PSTIF Board's annual contributions to support the Department of Natural Resources' regulatory program. Discounted losses are calculated using an investment yield of 1.5% which is consistent with historical financial documents prepared by PSTIF.

Reserving Practices

Claims handling and underwriting is provided by R&A Risk Professionals under a contract with the PSTIF.

Claims handling is somewhat different than that of an insurance company in that the PSTIF was created to protect the environment and the citizens of Missouri from the impact of petroleum releases. Therefore, the claims handling effort is focused on reasonable and necessary costs for effective response to reach the cleanup standards required by the MoDNR. The number of PSTIF lawsuits appears relatively modest when compared to commercial

general liability insurers. Those claims involving lawsuits have defense counsel assigned as would be expected.

Claims are handled by having the contractor or the consultant hired by the owner/operator submit a proposed work plan and estimated costs to PSTIF. The planned costs may be challenged by the claims adjustor and proposed costs must be deemed "reasonable" to be approved. Once the project is started, invoices are submitted to PSTIF for reimbursement.

Remedial claims present a unique situation that would not be encountered in a commercial insurance company. Often the site has been abandoned completely or converted to a different use. Remedial claims generally move forward only when a party is willing to step forward and participate in the remediation process, which usually includes paying the first $10,000 of cleanup costs.

Adjustors are also charged with establishing appropriate case reserves for the PSTIF. In insurance companies, aggregate incurred values (paid plus case reserves) tend to increase over time as more information regarding claims becomes known. Overall, PSTIF incurred values produce low loss development factors, which indicates that the case incurred values are a reasonable indicator of the ultimate cost of PSTIF claims.

When the proposed work plan for the release site has been completed and all monitoring results are within required limits, the claimant's environmental consultant informs the Missouri DNR that the impact of the release meets the DNR's remediation standards. Once the DNR concurs

with the consultant's conclusions, they will then issue a "No Further Action" ("NFA") letter. Some activities must be completed after an NFA is issued, and once all costs have been submitted and reimbursed, the claim is closed. Claims not actively being managed by the owner/operator (i.e., cleanup activities have been abandoned, or monitoring is not in place) are placed in suspense. Essentially, this means that the claim is not progressing toward the issuance of an NFA letter by the Missouri DNR. These stalled claims are removed from the suspense list and handled in a normal manner if someone again takes an interest in completing the cleanup at a future date.

Underwriting

R&A Risk Professionals also provides underwriting services as part of its fund administration function. An application for coverage with the PSTIF must be filled out by the tank owner/operator along with a method of securing payment of the $10,000 deductible. In addition, the tank owners/operators must demonstrate that the tanks and associated piping under their control are not currently leaking and are in compliance with state regulations.

Coverage attaches on a claims-made basis which means that claims must be reported during the coverage period in order to be covered. Remedial claims are covered as reported without the requirement that coverage was in effect at the time of the release.

Data required on the application for participation in PSTIF for UST installations include such items as the installation date, the tank capacity, the type of product contained, type of tank (e.g., single walled, double walled, fiberglass, etc.), type of piping, and details on overfill and

leak protection. The PSTIF application for AST's requires similar documentation requirements along with information on the secondary containment system in place.

Applications for coverage with the PSTIF are reviewed by R&A Risk Professionals personnel and deficiencies are noted. Coverage documents are only issued if the application information is found to be satisfactory.

Projection of Future Loss and Loss Adjustment Expense, Claim Severity, and Frequency

T&M was asked to estimate costs for claims to be reported in 2026 and subsequent years, i.e., claims that have not yet been reported to PSTIF. To perform this projection, T&M applied several methodologies to estimate future loss and loss adjustment expenses based on claim frequency and claim severity for each claim category. For purposes of our initial projection of reserves needed as of December 31, 2030, we assumed that claims reporting would proceed as normal with no increase in reporting due to the impending sunset date. In addition, T&M created scenarios that might represent an expected influx of claims should the program not have its termination date extended.

Projection of Frequency and Severity

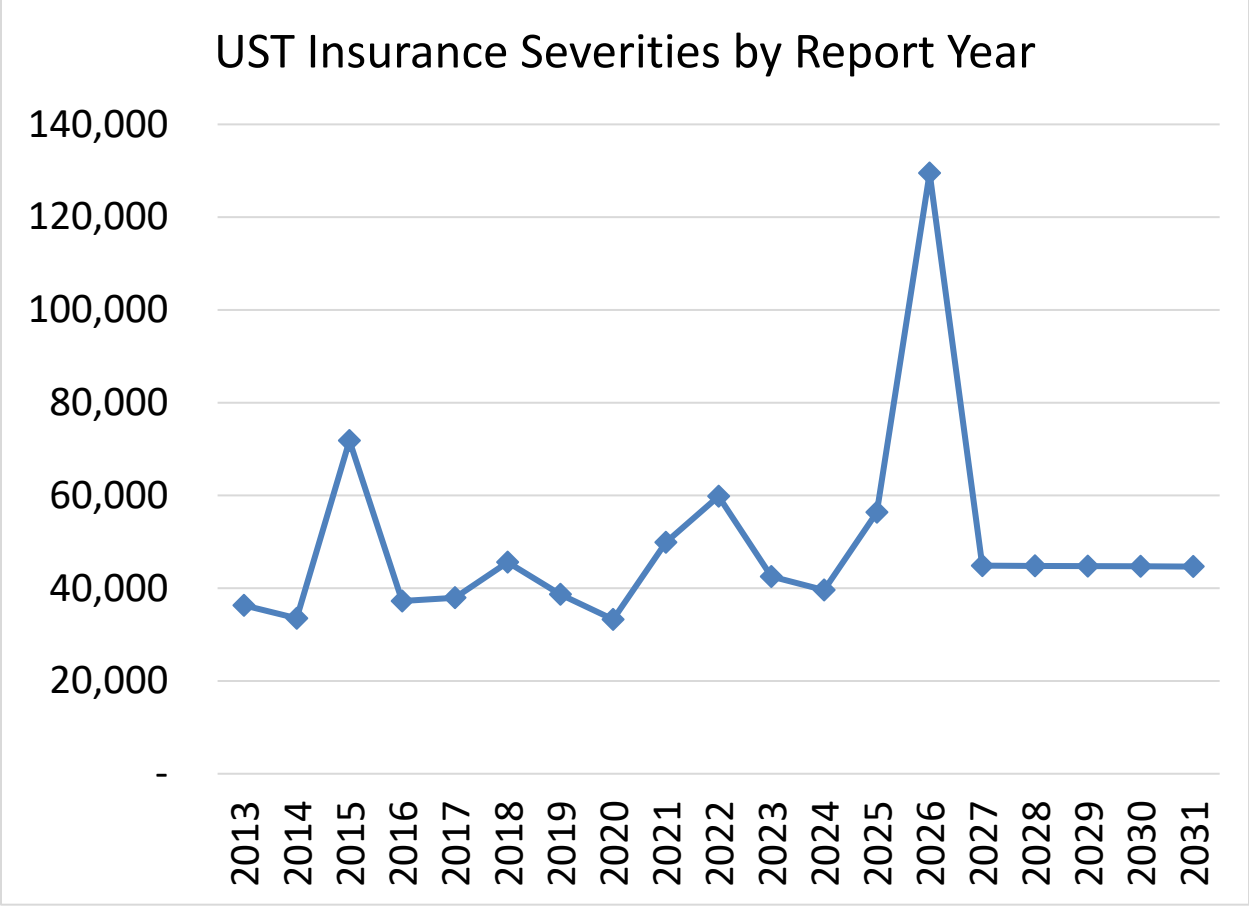
As part of projecting the financial condition of the PSTIF through December 31, 2030, we estimated (1) future claim severity and (2) future claims reporting for each claim category.

Analysis of coverage in-force indicates a modest negative trend in the number of UST and AST tanks with in-force coverage. In the case of UST coverage, we have projected modest

declines in the future based on this recent trend. In the case of in-force AST coverage, the PSTIF previously provided a likely maximum penetration of 80% to 85% of ASTs. The number of AST policies in force have been decreasing since 2014 and we expect the number of AST policies to continue to decrease by roughly 1.7% per year.

The current analysis of average claim severities this year suggests that Insurance AST claims will increase over time, while Insurance UST and remedial claims of all types will tend to stay at about the same average severity level over time.

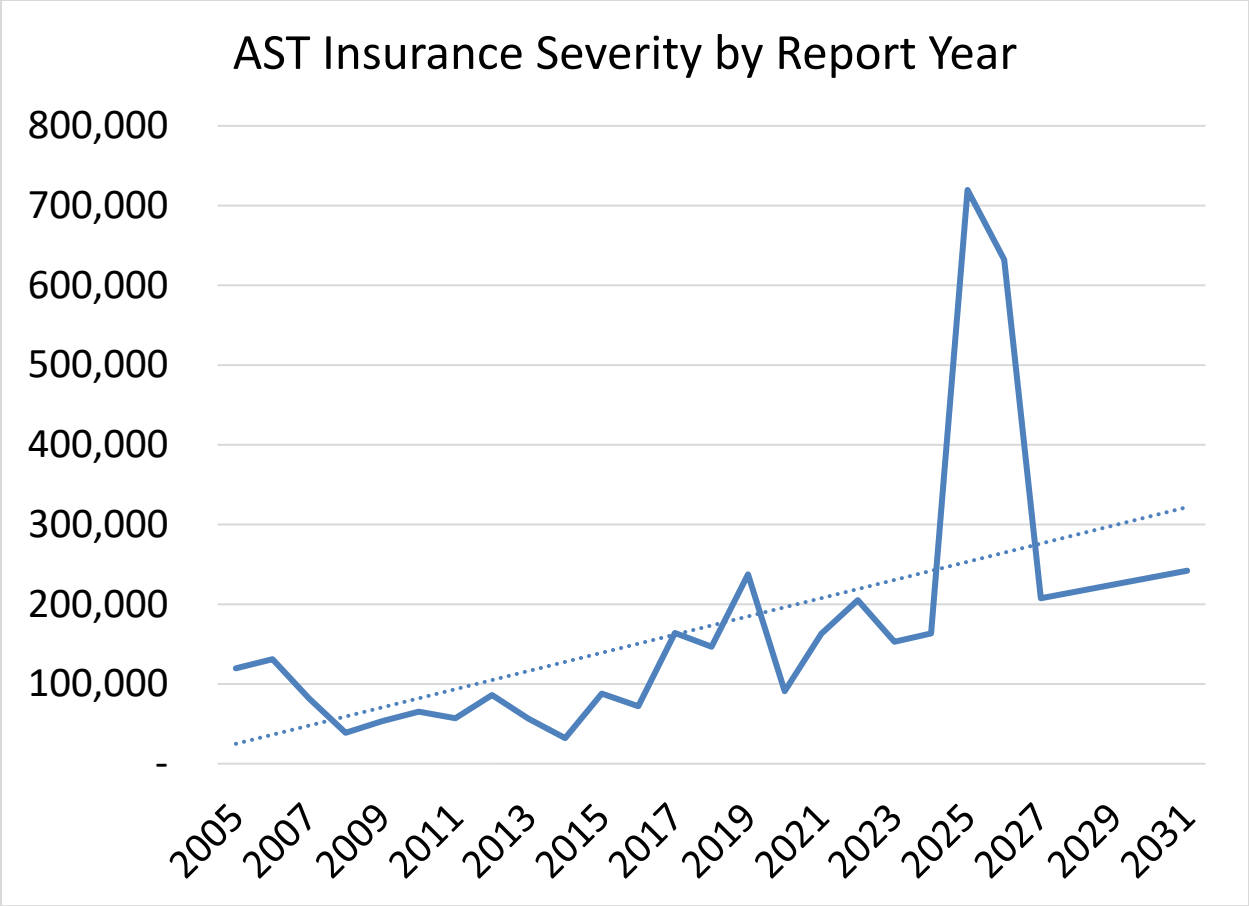
The following four charts show claim severities over time. The first chart displays the Insurance UST claim severities over time from Report Year 2013 to Report Year 2031:



Note that everywhere they are discussed in this report, Report Years are based on the fiscal year in which a claim was opened. For example, a claim that was opened between July 2025 and June 2026 will have a Report Year of 2026 to match the fiscal year ending June 30, 2026.

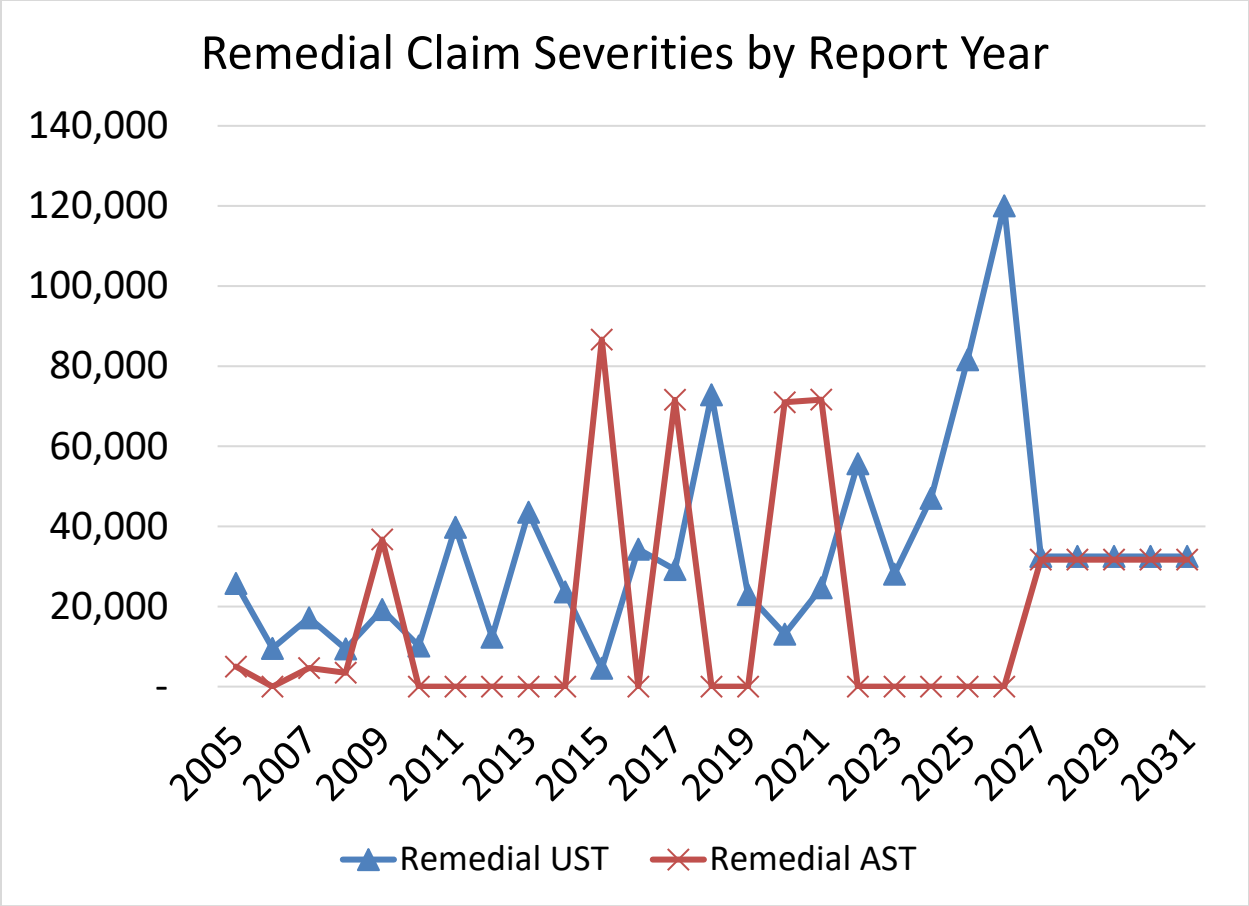
As this graph shows, the average severity has generally fluctuated between $35,000 and $60,000. The apparent spike in claim severities in 2026 has to do with how claims are classified and will likely be substantially dampened in subsequent analyses. The overall stability of claim severities may be attributed to the high number of relatively small, stable claims identified during the course of tank closures which creates lower volatility. compared to other Insurance UST claim types.

The following chart shows the average claim severity from Report Year 2005 to Report Year 2031 for Insurance AST claims:



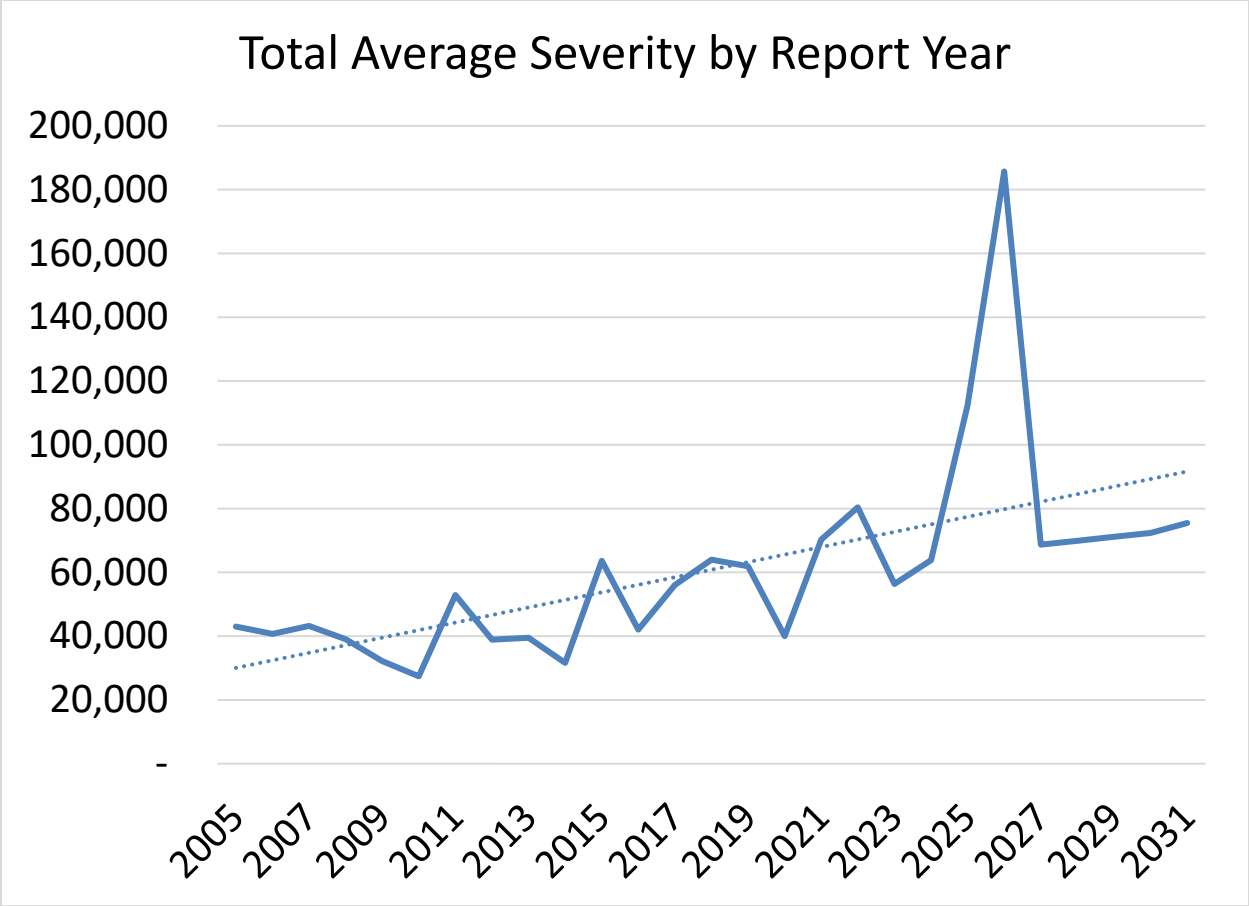
As this chart shows, the average severity of Insurance AST claims has shown greater volatility over time. Recent years have shown continued upward trend, leading us to project continued increases in average severity over time. Again, it is anticipated that the apparent spike in severities in 2025 and 2026 will be somewhat dampened in subsequent analyses.

Finally, the following chart shows the average severity of Remedial UST and AST claims from Report Year 2005 to Report Year 2031:



As this chart shows, the Remedial claim severities show greater volatility in this chart because claim volumes are much lower, and a small number of large claims can cause severity to appear to have spiked, when this is really a result of normal variation in claim severities. Overall claim severities have varied around $20,000 to $60,000, with significant volatility on either side of that interval.

Finally, the following chart shows the combined total average severity over time:



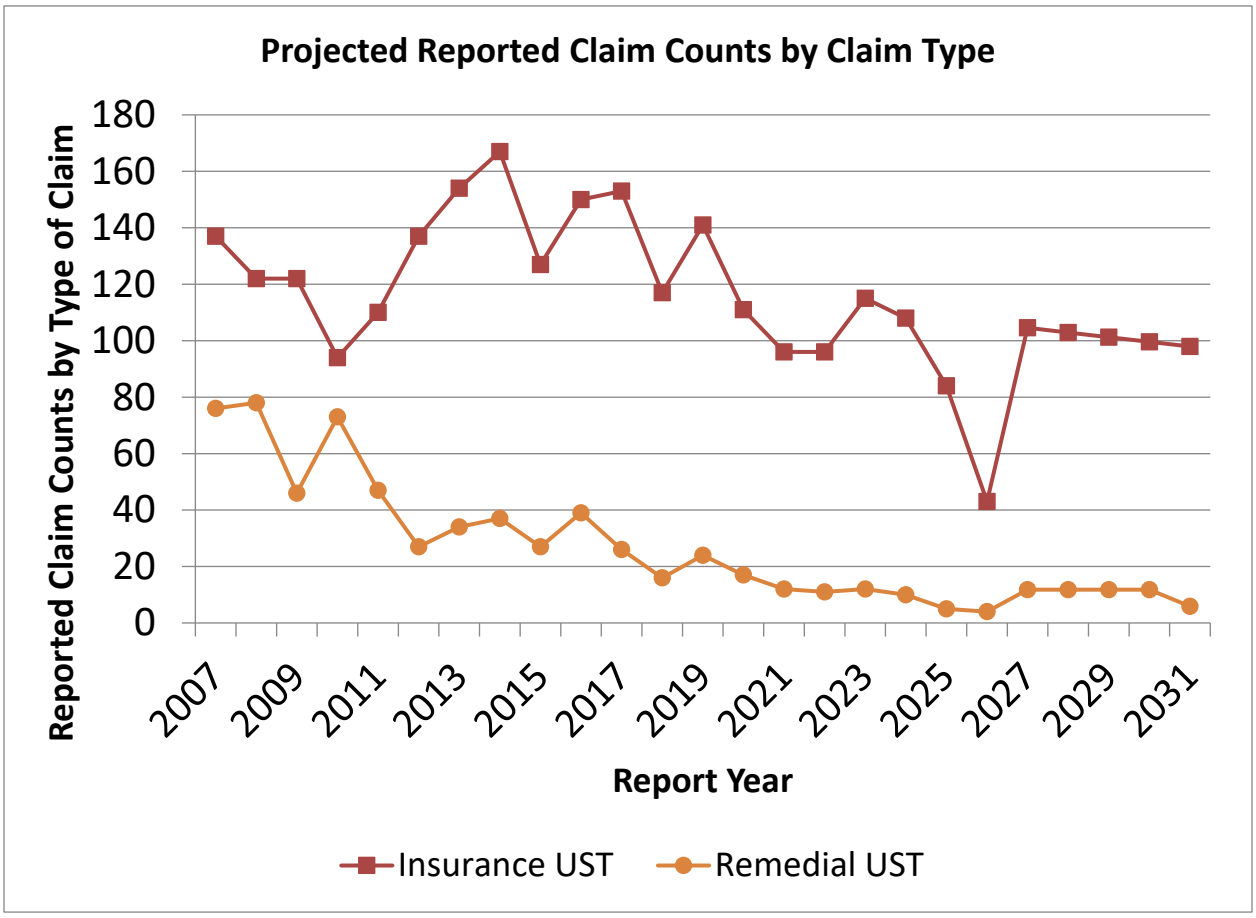
As this graph shows, the overall average severity has increased since the mid-2000s. This is likely caused by several trends. First, it is expected that increasing DNR requirements over time will have the effect of increasing the cost to remediate, all else remaining equal. In addition, we observe a changing mix of claim types over time. As claim types with higher average severities make up a larger percentage of total claims and claim types with lower average severities make up a smaller share, the average severity has drifted upward over time.

Finally, note that the spike in 2025-2026 may be driven in part by lower-than-expected claim counts during that period on a combined basis. Because of the immaturity of these years, ultimate loss projections remained at levels consistent with the recent past. This, combined with the decrease in claim counts, led to a spike in severity. Subsequent analyses may see that

spike reduce considerably as claims mature, either as incident reports are reclassified as normal insurance claims or as more mature claims development information supports a decrease in the ultimate losses for these years. Similar spikes have been observed in previous studies.

In addition, we performed an analysis of claim frequencies over time. To project future reported claims counts, T&M used a variety of regression techniques. The results from those analyses led us to project declining claim count patterns in the future for most claim types.

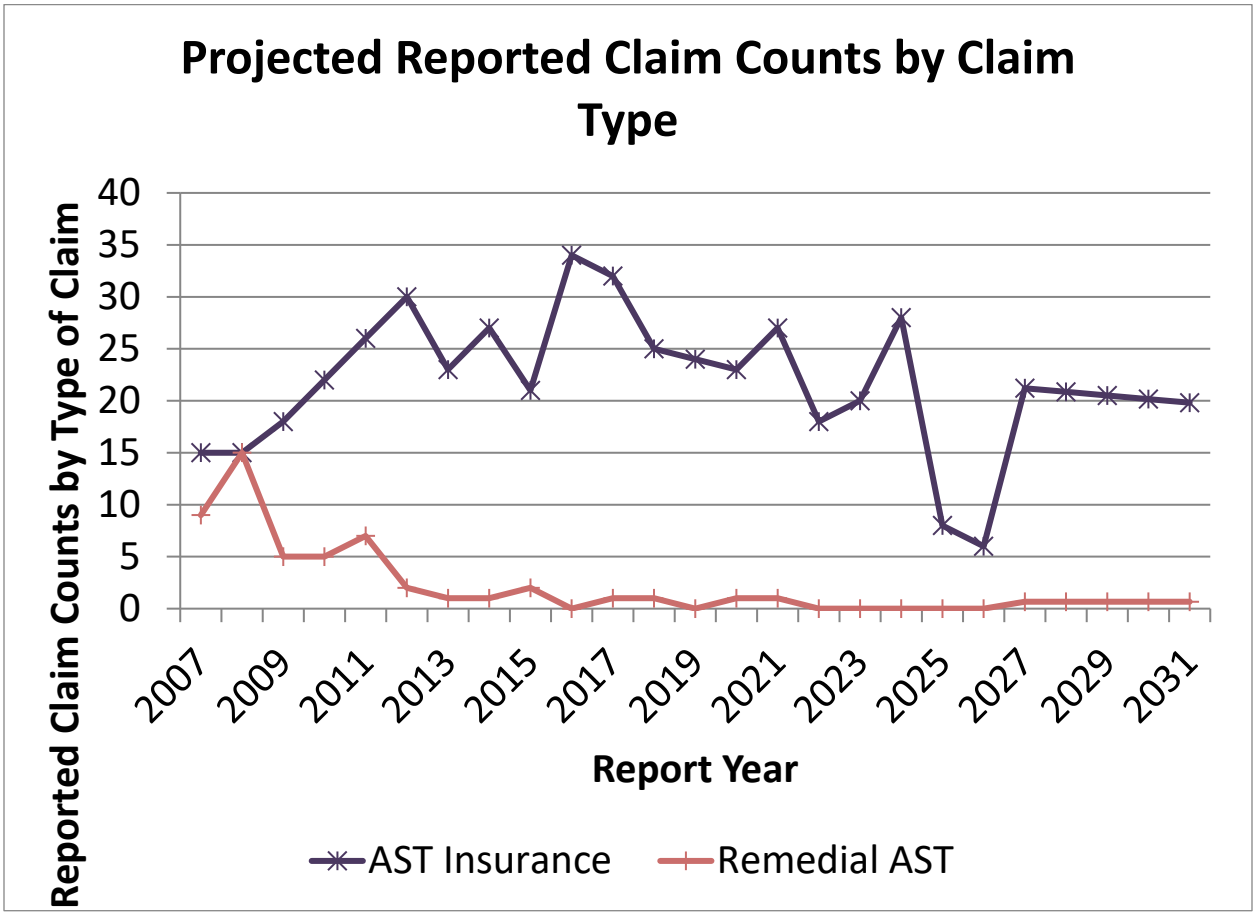
The following chart displays historical and projected claim counts by UST claim type:



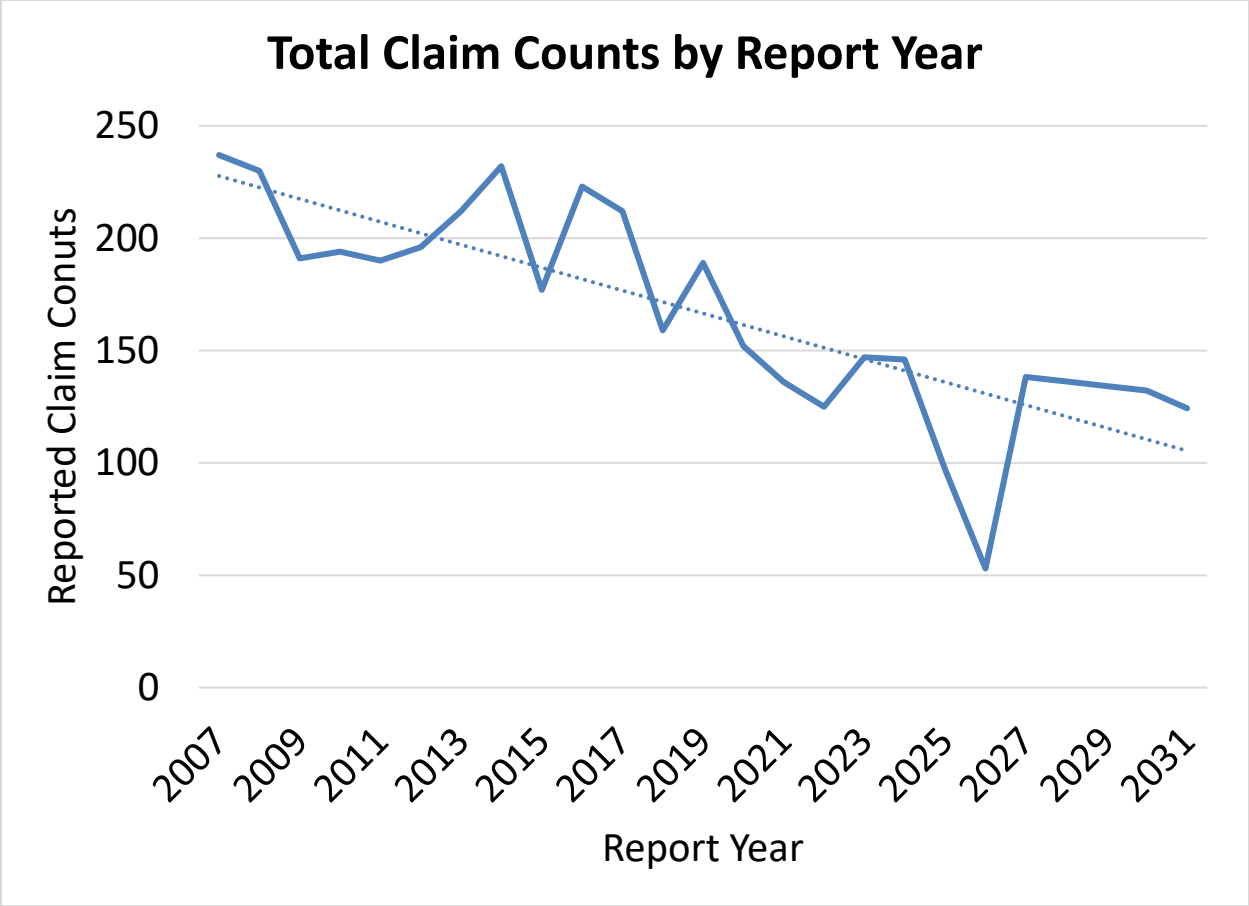
Note that for consistency, the 2031 year shows the projected overall claim frequency for a full

report year; however, if the fund sunsets at December 31, 2030 then the total number of anticipated claims in the 2031 report year would be half the number projected on this chart.

Similarly, the following chart shows the historical and projected claim counts by AST claim types:



The following chart shows the total claim counts by Report Year:



This chart shows considerable decline in reported claim counts through 2026. The 2026 year is an outlier in terms of recent years; however, this may change in subsequent years if incident reports are reclassified as insurance claims. Projected future years continue under the assumption of a modest decline in total claim counts.

Projection of Revenues

The PSTIF has two primary sources of revenue: transport load fees ("TLF") and participation fees, which is the actual fee charged to participants for the contractually covered risks. Transport load fees are charged to transporters of petroleum on a per load basis. TLF make up the majority of the PSTIF revenues. From 2001 until September 1, 2008, TLF fees were $40

for 8,000 gallons of petroleum product transported. On September 1, 2008, the TLF fee was reduced to $20 per 8,000 gallons of petroleum product transported. On January 1, 2019, the TLF was increased to $28 per 8,000 gallons. It was increased again to $32 per 8,000 gallons effective January 1, 2023. Enabling legislation grants PSTIF the authority to raise and lower the TLF as needed, within statutory limits. The overall maximum TLF is set at $60 per 8,000 gallons of petroleum product by legislation.

In recent years, the TLF has accounted for around 86% of PSTIF revenue. That is projected to remain relatively stable with modest declines over time.

Participation fees are charged annually to tank owners/operators on the basis of the categories of tanks covered. For USTs, the participation fee is $100 per tank for double-walled tanks, and $125 per tank for single-walled. For ASTs, the fee is $100 per tank for tanks with a capacity less than 25,000 gallons and $200 per tank of 25,000 gallons or more. A “new tank” charge of $100 per tank is a one-time fee in addition to the participation fee for both UST and AST tanks, payable during the first year of contractual coverage with PSTIF.

T&M has relied on projections of future revenues provided by the PSTIF. We have reviewed these projected revenues for reasonableness and found they are reasonable based on current economic conditions. However, T&M has not attempted to quantify the potential impact on PSTIF revenue of significant changes in fuel prices on the TLF revenue stream.

Projection of Future Cash Flows

T&M was asked to project cash flows to the PSTIF to the current proposed sunset date of December 31, 2030, or 4.5 fiscal years. To perform this analysis, we combined projections of future claim frequencies and severities, projections of future revenues, and projections of future expenses associated with the PSTIF's fund administrator.

Future paid losses were simulated based on assumed probability distributions for frequency, severity, and claim payment speeds. Simulated claim payment speeds also affected the payout speeds of unpaid claims from historical Report Years.

The following page shows the projected cash flows from July 1, 2026 through December 31, 2030 assuming no influx of claims due to the sunset of the PSTIF program:

Financial Projections Based on PSTIF 2026 Projections

		(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Annual Revenues Fiscal Year:		2027	2028	2029	2030	2031 (1/2)	Totals
(1)	Transport load fees		18,000,000	17,950,000	17,900,000	17,850,000	8,900,000	80,600,000
(2)	100 Initial tank fees		15,000	15,000	15,000	15,000	7,500	67,500
(3)	UST participation fees		750,000	750,000	750,000	750,000	375,000	3,375,000
(4)	AST participation fees		300,000	300,000	300,000	300,000	150,000	1,350,000
(5)	Interest income		1,744,825	852,899	894,057	927,355	479,839	4,898,975
(6)	Total Revenues		20,809,825	19,867,899	19,859,057	19,842,355	9,912,339	90,291,475
	Administrative Expenses Fiscal Year:		2027	2028	2029	2030	2031 (1/2)	Totals
(7)	Contracted Fund Administrator Expenses		1,129,343	1,085,078	1,118,033	1,074,921	254,209	4,661,584
(8)	Contingency & Special Projects		75,000	75,000	75,000	75,000	37,500	337,500
(9)	Office of Administration		147,038	151,449	155,993	160,672	82,746	697,898
(10)	OA State Accounting Software		72,256	-	-	-	-	72,256
(11)	Section 319.107 Expenses		10,000	10,300	10,609	10,927	5,628	47,464
(12)	Underwriting		759,802	782,596	806,074	830,256	427,582	3,606,310
(13)	Inspections		335,668	447,746	335,668	361,521	180,761	1,661,364
(14)	Training & Loss Prevention Services		6,000	6,180	6,365	6,556	3,377	28,478
(15)	Other Legal and Litigation Costs		50,000	51,500	53,045	54,636	28,138	237,319
(16)	Other Contract Administrative Costs		417,600	430,128	443,032	456,323	235,006	1,982,089
(17)	Audit		29,690	30,581	31,498	32,443	16,708	140,920
(18)	Actuarial Analyses		16,350	16,350	16,350	16,350	8,175	73,575
(19)	Department of Revenue		65,232	67,189	69,205	71,281	36,710	309,616
(20)	Attorney General's Office		56,932	58,640	60,399	62,211	32,039	270,221
(21)	PSTIF Board/Staff		534,368	550,399	566,911	583,918	300,718	2,536,314
(22)	Department of Natural Resources		2,747,477	2,829,901	2,914,798	3,002,242	1,546,155	13,040,574
(23)	Total Administrative Expenses		6,452,756	6,593,037	6,662,980	6,799,260	3,195,450	29,703,482
	Claim Payments Fiscal Year:		2027	2028	2029	2030	2031 (1/2)	Totals
(24)	Average / Expected		11,293,429	10,850,775	11,180,332	10,749,213	5,084,176	49,157,925
(25)	Cash balance @ 6/30/26		55,328,096					
	Funds Available at Fiscal Year-End:		2027	2028	2029	2030	2031 (1/2)	
(26)	Average / Expected		58,391,736	60,815,823	62,831,567	65,125,451	66,758,164	

Notes: Rows (1) through (22) from Financial Projections provided by PSTIF with some minor differences due to rounding.

This chart shows projected revenues, projected expenses, projected claim payments, and projected cash available at year-end. For example, the actuarial central estimate is that $11.3 million in losses will be paid in fiscal year 2027 in addition to $6.5 million in administrative expenses. Revenues are expected to total $20.8 million, leaving a cash balance of $58.4 million at fiscal year-end 2027. As of December 31, 2030, the actuarial central estimate suggests that there will be a remaining cash balance of approximately $66.8 million. This balance assumes that the fund will sunset on December 31, 2030 and that there will be no increase in claim reporting as the fund sunset date approaches.

Exhibit E-19 expands on this chart by showing claim payments and the resulting cash balances at various confidence levels. For example, there is a 50% probability that the cash balance as of December 31, 2030 will be greater than or equal to $67.3 million.

Exhibits E-20 through E-22 show alternative cash flow scenarios based on the possibility that claim reporting will increase if the fund approaches the sunset date. In these cases, we projected increases in claims leading to increased claim costs in the first half of the 2030 fiscal year (at which time the fund is projected to be sunset). The financial results of these scenarios are also shown graphically in Exhibits E-15 through E-18.

The “Low Scenario” shown in Exhibit E-20 represents a small amount of claims ramp-up, while the “High Scenario” shown in Exhibit E-22 represents a large amount of claims ramp-up. Note that the payment streams under these scenarios are not markedly different since they reflect an anticipated ramp-up in claim reporting close to the fund sunset date, so there is not

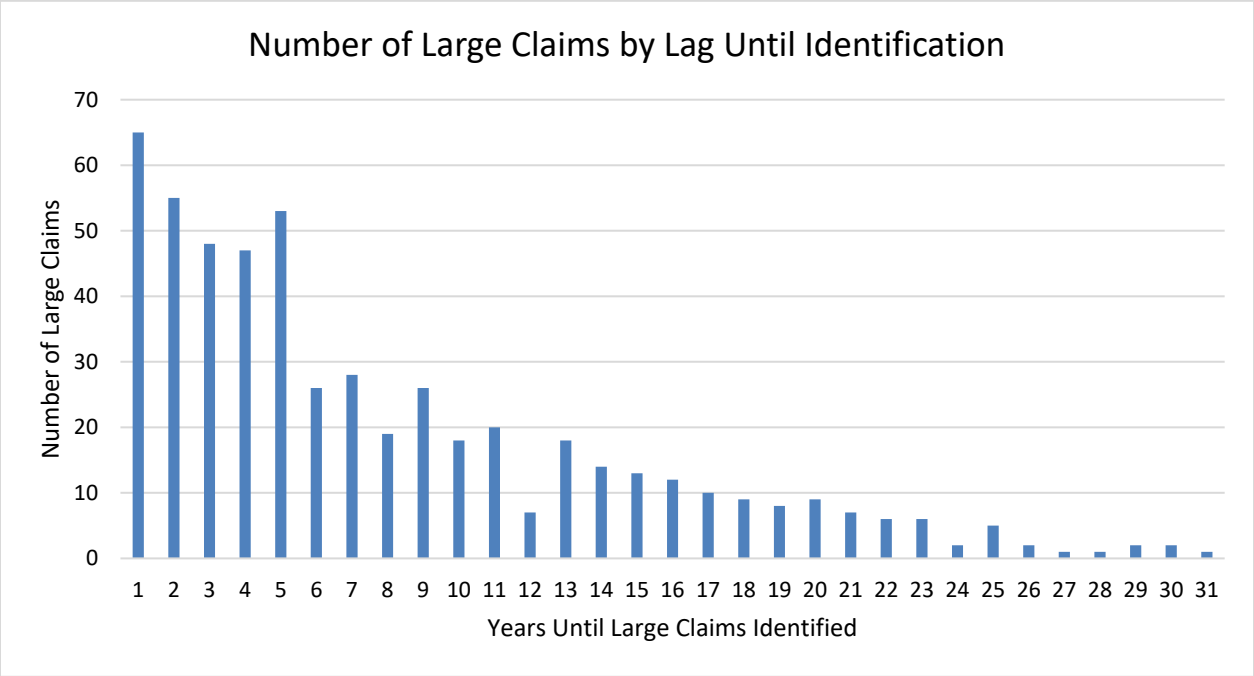
much time for claims to be paid out. Where these scenarios will primarily differ is in the final liability as of the sunset date, for which the ramp-up scenarios will have a higher remaining unpaid liability.

Exhibit E-23 provides the total projected claim payments for future fiscal years assuming no increase in claim activity. The first section of this exhibit displays future anticipated claim payments arising from currently reported claims (i.e., Report Years 2026 and prior). The second section displays claim payments arising from claims that will be reported in the future (Report Years 2026 and after). The third section displays the total of these two amounts.

Large Loss Claims

Large loss claims are defined as claims that meet or exceed the level of $250,000. T&M performed several analyses of large loss claims. These analyses included (1) calculation of the amount of time after a claim is reported for it be identified as "large," (i.e., for the sum of paid loss plus case reserves exceed the large claim threshold) (2) consideration of factors that increase the likelihood of a claim being a large claim, (3) consideration of reserving practices for large claims, and (4) consideration of the financial impact of large claims.

Using net incurred losses, T&M examined the current set of claims that have been identified as large. On average, these claims passed the $250,000 incurred threshold right after the 8th report year. Specifically, the claims were identified as large on average at 96.02 months. The following chart shows the number of large claims by the time it took to identify the claims as "large":



This length of time is not unexpected. Development on storage tank claims is slow as compared with many other insured lines of business. There can be a significant period of gathering more information, remediating, of testing and monitoring sites, of further remediation, of possibly re-opening claims, etc., which can lead to a long time period between the initial report of the claim and a determination of the ultimate liability.

Additionally, it is often the case that reserving is performed based on what is the "most likely" outcome (i.e., the mode of the distribution of potential reserves). As a result of this, initial reserves for any line will tend to resemble the most common claims, with large claims identified only as information allows the adjuster to distinguish less common features of claims that might lead to a large claim. The following chart shows claims currently identified as large as a percent of total reported claims by Report Year:

Missouri Petroleum Storage Tank Insurance Fund
Large Claims as a Percent of Total Claims by Report Year
As of June 30, 2026

Report Year	Total Claims	Large Claims	Percent Large
1993	3	0	0.0%
1994	74	8	10.8%
1995	81	5	6.2%
1996	1444	107	7.4%
1997	393	25	6.4%
1998	551	37	6.7%
1999	655	32	4.9%
2000	801	50	6.2%
2001	706	29	4.1%
2002	448	18	4.0%
2003	357	16	4.5%
2004	411	21	5.1%
2005	286	13	4.5%
2006	220	8	3.6%
2007	240	11	4.6%
2008	230	11	4.8%
2009	188	5	2.7%
2010	190	7	3.7%
2011	186	10	5.4%
2012	192	7	3.6%
2013	219	8	3.7%
2014	228	8	3.5%
2015	183	8	4.4%
2016	210	13	6.2%
2017	214	12	5.6%
2018	167	13	7.8%
2019	189	15	7.9%
2020	153	5	3.3%
2021	132	9	6.8%
2022	134	9	6.7%
2023	145	5	3.4%
2024	138	4	2.9%
2025	116	7	6.0%
2026	55	4	7.3%
Total	9939	540	5.4%

In addition, the following breakdown shows the anticipated large losses and average lag time to identification of the claims as large by claim type:

Missouri Petroleum Storage Tank Insurance Fund Large Losses by Claim Type as of June 30, 2026				
Claim Type	**Total Claims**	**Large Claims**	**Percent Large**	**Average Lag**
Insurance UST	4,643	242	5.2%	89
Remedial UST	4,223	189	4.5%	120
Insurance AST	670	89	13.3%	54
Remedial AST	405	20	4.9%	136
Total	**9,941**	**540**	**5.4%**	**96**

The percentages in the above chart do not necessarily reflect the true risk that a claim may become large over time. For instance, Remedial UST claims make up the largest category of large claims but one of the smallest categories by percentage. This may partly be a reflection of the fact that many such sites had already been partly remediated before the PSTIF began issuing payments. As a result, the percentage may understate the true riskiness by claim type going forward.

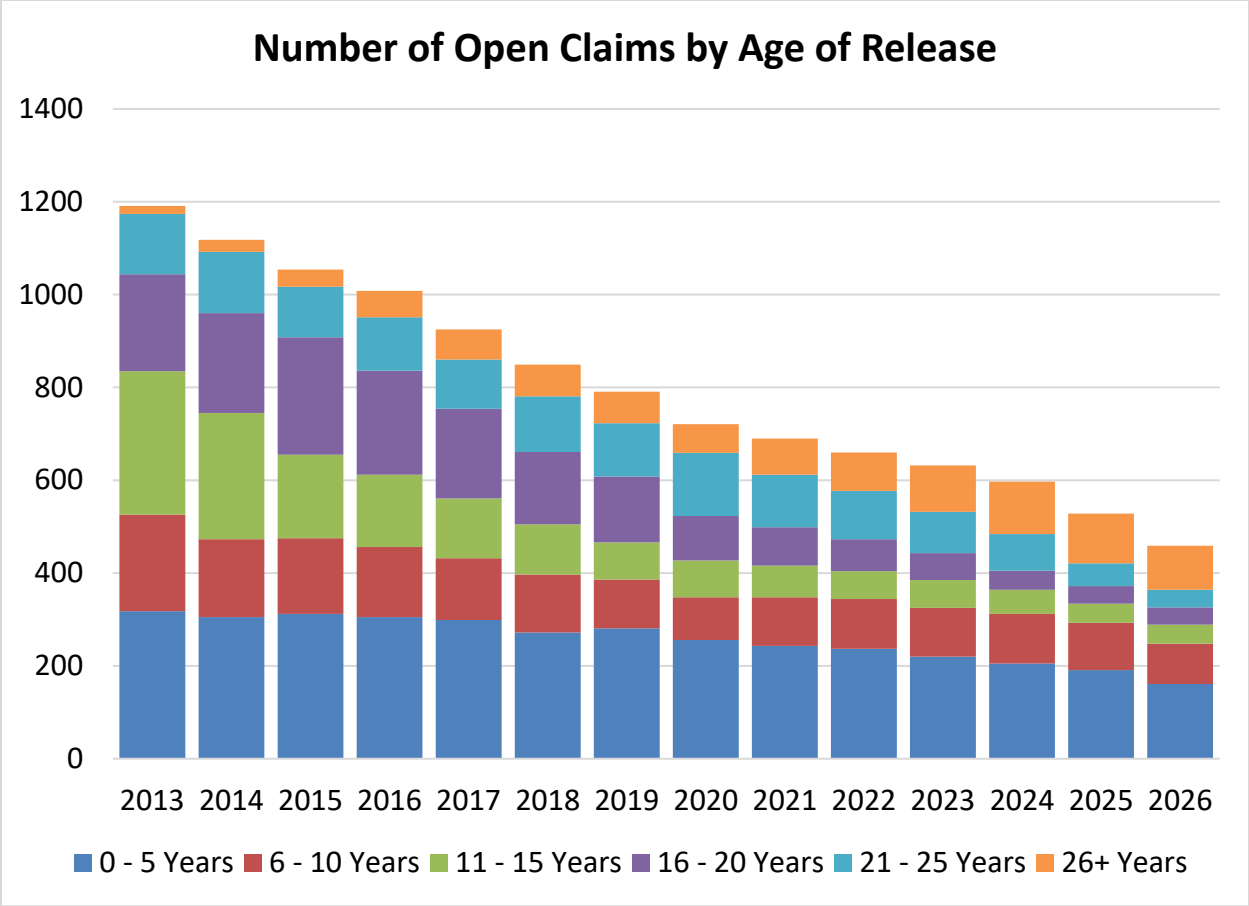
It is anticipated that remediations associated with tank closures will continue to show relatively low risk of becoming large claims. Newer sites without legacy pollution and for which leak prevention has always been used will tend to have less catastrophic releases (if any) that went undetected. Therefore, tank closures at such sites are unlikely to lead to discovery of large losses. By contrast, many older sites with legacy pollution issues have already undergone remediation efforts since the PSTIF became active. Therefore, tank closures at those sites may be less likely to result in large losses because the site has already been remediated recently.

Large losses account for approximately $218.7 million in incurred losses, or approximately 50.5% of incurred losses, despite accounting for only 5.4% of claims. These values consistent with expectations and historical numbers.

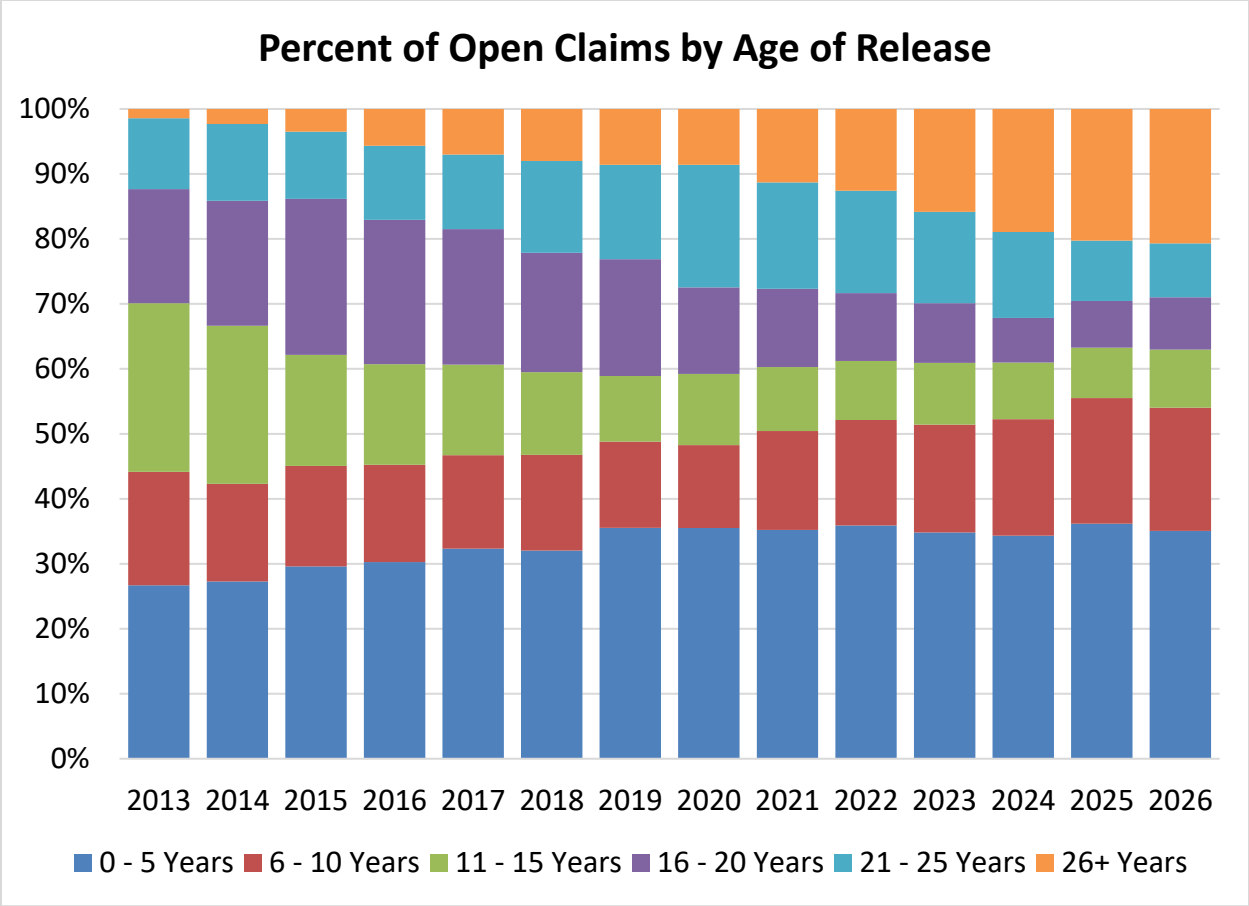
Settlement Speed

The Board's staff has undertaken significant efforts to improve the speed with which claims come to closure in recent years. However, because such changes are always incremental in nature, it often takes a long time to see them borne out in data. It is worth noting that the time to settlement is contingent on many factors and several of these factors are outside the control of the PSTIF. For example, PSTIF does not make the final determination that a cleanup is complete, but rather, this decision is made by the MoDNR.

This year, Taylor & Mulder reviewed the rate at which claims are closed. It is our conclusion that claim closure rates for newly reported claims have generally improved over time. This speedup in claim closures has apparently accelerated the reduction in open claims over time. The following chart shows the number of open claims by age of release:



Evidently, the number of claims for all claim types appear to be stable or declining in recent years. As a result of this decrease in overall volume of open claims, coupled with the stable or slightly growing number of claims greater than 20 years old, the relative proportion of claims greater than 20 years old decreased in 2026:



The decrease in claims greater than 20 years old in 2025-2026 can be attributed to the efforts of PSTIF staff to close claims where there have been no activity on the claim in the 20 years since the claim has been open.

Report Distribution and Use

This report has been prepared for internal use by the management of PSTIF, their accountants, auditors, and attorneys. This report may be reproduced only in its entirety. The Exhibits and Appendices are integral parts of this report. Other distribution or use of this report by the PSTIF management or related parties described above is not authorized without the prior written permission of Taylor & Mulder, Incorporated. The PSTIF is not authorized to include this report

in any marketing or request for proposal solicitations. In addition, it should be understood that T&M consultants are available to respond to any questions by authorized third parties with respect to this report.

Conditions and Limitations

The analyses contained in this report were performed using accepted loss and loss adjustment expense reserving methods adjusted to the special needs of the PSTIF and in conformance with sound actuarial standards and principles. T&M introduced assumptions and judgments that we considered appropriate in the circumstances.

With regard to projections of ultimate values, it should be understood that the emergence and settlement of claims are subject to uncertainty. While we have used our best professional judgment in all instances, projections of future ultimate losses and loss expenses are inherently uncertain because of the random nature of claims occurrences. They are also dependent upon future contingent events and are affected by many additional factors.

PSTIF claim reserving procedures and settlement philosophy, current and perceived social and economic inflation, current and future court and jury attitudes, legislative changes affecting the PSTIF, improvements in technology, and many other economic, legal, political, legislative and social factors all can have significant effects on ultimate claim costs. Therefore, we cannot warrant that actual developments will not differ from current projections. Such differences could be upward or downward and could be significant.

In summary, the ultimate loss and loss adjustment expense levels estimated in this report are subject to potential variations in estimation due to:

(1) the fact that the ultimate liability of PSTIF is subject to the outcome of events yet to occur;

(2) the unanticipated changes in the legal, economic, legislative or claims adjudication environments;

(3) statistical fluctuation in losses around the estimated or expected values when all other factors remain constant; and

(4) the fact that the actual future loss and loss payment and reporting patterns may differ from those applied in the determination of the expected losses or there may be unanticipated changes in the loss and expense loss and expense payment and reporting patterns;

Accordingly, no assurance can be given that future loss emergence will not deviate from the estimated ultimate loss and loss adjustment expenses. However, the ultimate loss and loss adjustment expense estimates were based on a reasonable application of generally accepted actuarial procedures and techniques applied to the information available.

We reviewed the information for overall reasonableness and presented any irregularities to the PSTIF contracted fund administrator for edification and clarification.

T&M relied without audit or verification on historical loss, loss adjustment expense, exposure data, and other information provided by the PSTIF and its employees. T&M has relied upon the data provided and on the oral and/or written statements made regarding the quality, accuracy, and completeness of the data and information supplied. Any inaccuracies or inconsistencies in the data could have a significant effect on the conclusions drawn.

Should any inaccuracies be found in the data, T&M should be notified immediately so that the analysis can be adjusted accordingly.

With regard to projections of estimated revenues, it should be understood that the revenue streams are subject to uncertainty. While we have used our best professional judgment in all instances, projections of future revenues are inherently uncertain due to potential changes in technology, the implementation of environmental requirements, the introduction of alternative vehicle fuels, and changes in the economy among others. While T&M has used its best judgment is selecting trend values for each category of revenue, actual revenue collected is dependent upon unknown future events and may be affected by additional factors outside of PSTIF control.

T&M reflected anticipated investment income in the reserves assuming a 1.5% annual rate of return on investments. We did not independently verify the ability of the PSTIF to match this assumed rate.

The analysis in this report was limited to the loss and loss adjustment expense items noted in the scope of this project. This report does not include an examination of the assets of the PSTIF, nor did we form any opinion as to the value or validity of the assets. This report does not include a review or analysis of any income statement or other balance sheet items. This analysis with respect to loss and loss adjustment expense reserves is based upon the assumption that all reserves are backed by valid assets and that these assets reflect suitably scheduled maturities and/or sufficient liquidity to meet cash flow requirements.

This report is limited in scope to the estimate of the level of reserve adequacy at the evaluation date of the report. It also includes projections regarding cash flow of the operations of the PSTIF under certain narrow assumptions and conditions.

This report was prepared for use by persons technically competent in insurance financial matters. Persons receiving this report should be made aware of the availability of T&M, Inc. personnel to answer questions and/or amplify on any matter addressed therein.

Actuarial Analysis

Sources of Data

Data was provided by Ms. Kelley Ogletree with the PSTIF and Mr. Daniel Reinders with R&A Risk Professionals, Inc., PSTIF's contracted fund administrator, in the form of several files. Analysis of these files revealed some minor discrepancies between claims information provided in previous years and the current year; however, we were able to satisfactorily resolve all such discrepancies.

Overall Methodology

Selection of Factors

In each of the methods described below, our selections of development factors were based on the evaluation of the predictive value of the various historical averages and the perceived presence or absence of trends and singularities. Apparent statistical aberrations were eliminated either judgmentally or by selecting a longer experience period to increase the credibility of the experience, whichever we believed more appropriate in the particular circumstances.

Paid Development Method

The paid development method uses historical loss payment patterns to project actual payments as of a given valuation date to ultimate. PSTIF's historical payment patterns or the fitted loss development factors were relied upon in selecting the expected payment patterns at each evaluation. The difference between the projected ultimate losses and the losses and allocated

loss adjustment expenses paid through the evaluation date is the estimated reserve as of the evaluation date.

Estimates produced using the paid development method are not affected by changes in the case reserve position of the PSTIF which might have occurred during the review period but may be understated since they ignore large unpaid claims. Also, this method may be susceptible to any changes in case settlement philosophy and/or speed of payment.

Incurred Development Method

The incurred, or reported, development method is similar to the paid development method and uses historical reporting patterns to project actual reported amounts (excluding IBNR) as of a given evaluation date to ultimate. The difference between the projected ultimate losses and the losses paid through the evaluation date is the estimated reserve as of the evaluation date.

In many situations, the incurred development method is preferred over the paid method since large open but unpaid claims are considered. This method is more responsive to changes in the external business environment, since changes in liability laws, legislative changes affecting the PSTIF, court decisions and other external factors are generally reflected in the case reserves as soon as claims management becomes aware of them. As a result, the incurred loss development factors at each stage of development tend to be lower, and more stable, than those of the corresponding paid development method. However, the incurred development method may be affected by changes in case reserving practices over time and, to a lesser extent, also may be affected by changes in claims settlement rates.

Bornhuetter-Ferguson Methods

Loss development methods may be affected by changes in the reporting and payment of claims. Random fluctuations in the reporting and payment of claims (such as may result from a single unusually large claim) are magnified by the development factors, potentially resulting in biased estimates and wide changes in the estimates from one evaluation to the next. To minimize such fluctuations, we applied the Bornhuetter-Ferguson method to incurred losses and to paid losses. The Bornhuetter-Ferguson method is particularly suited for projecting loss reserves for longer-tailed business with volatile or limited development patterns. The Bornhuetter-Ferguson method represents a compromise between traditional loss development methods such as the incurred and paid loss development methods and an expected loss ratio method.

For the incurred Bornhuetter-Ferguson method, initial expected losses are established for each accident year to be consistent with projected pure premium amounts, i.e. projected losses divided by an exposure base (in this case, covered tanks in-force for insurance claims or remaining potential remediation sites for remedial claims). These initial expected losses are then split into two components: expected reported losses and expected unreported losses. The expected unreported losses, which comprise the IBNR and bulk reserves for each accident year, are calculated as a function of the earned premium, the initial expected loss ratio, and the expected portion of ultimate losses that remains unreported or unreserved as of the evaluation date.

For the paid Bornhuetter-Ferguson method, initial expected losses are also derived from projected pure premium amounts. These initial expected losses are then split into two components: expected paid losses and expected unpaid losses. The expected unpaid losses, which comprise the IBNR and case reserves for each accident year, are calculated as a function of the initial expected loss ratio, the initial expected ultimate losses, and the expected portion of ultimate losses that remains unpaid as of the evaluation date.

Projection Methodologies for Cash Flow Analysis

Several overlapping projection methodologies were used to perform the cash flow analysis. First, regression techniques were used to project claim frequency and severity into future periods. These projections were then converted into parameters for a simulation model.

The simulation model used a Poisson distribution to predict the number of claims of each category for each Report Year. For each predicted claim, a lognormal distribution was then generated as the prediction of the ultimate size of that claim. For example, one trial of the simulation might predict that there would be 10 UST Insurance (Release) claims in a given Report Year. Each of those 10 claims would have a simulated claim size drawn from the lognormal distribution.

Repeating this process 10,000 times for each claim type and for each Report Year from 2026 to 2032, we obtained a set of potential ultimate losses that represent a probability distribution of outcomes, where more common answers represent more likely outcomes.

Historical losses were simulated using incurred loss development triangles. For each triangle, the loss development factors were simulated using normal distributions for each development period. The mean for each development period was selected to be the actuarial central estimate, while the standard deviation was selected to be the standard deviation of the historical LDFs.

For both historical and future claims, anticipated future payments by fiscal year were determined by applying fixed projected payment patterns to unpaid losses to determine the anticipated timing of future payments.

Combining these projections, we obtained an estimate of the range of possibilities for loss payments over time. We compared these loss payment projections to revenue projections to obtain an estimate of the range of possible outcomes for cash flows over time.

Methodology by Claim Type

Long-tailed lines of business have some important properties. These are lines of business for which claim payments can extend over a very long period (10 years or more) before closure. As claim payments are made over a long-time horizon, the first few years after a claim is reported may have little or no actual claim payments. This produces relatively low paid losses at early maturities, and as a result, payment patterns can be strongly affected by small random fluctuations in payments from year to year.

The long payment pattern has a substantial effect on most categories of PSTIF claims. Paid losses at early maturities have shown extreme volatility, and as a result, paid losses have very low credibility (i.e., statistical stability) for some categories of claims.

By contrast, incurred losses have shown greater stability. When a claim is reported to the PSTIF, a reserve is established based on the expected ultimate loss for the claim. As the claim matures and losses are paid out, the incurred loss may be increased or decreased commensurate with the adjuster's interpretation of the ultimate value of the claim. In this case, the first estimate by the adjusters is close enough to the ultimate loss that development is low when compared to paid losses. Because development patterns for incurred losses were more stable over time, incurred loss development methods received greater relative weight in our analysis.

Incurred loss development, by contrast, is stable. Incurred losses do not undergo the same extreme changes as paid losses, making estimates from incurred losses more credible. In some cases, incurred loss development is modestly negative, implying that early reserve estimates are slightly over-stated. However, these trends seem to reverse at later maturities, returning incurred losses on average to slightly higher than the initial reserves as of 12 months.

When relatively little credibility could be placed in the loss development patterns observed in paid or incurred losses, higher reliance was placed on the Bornhuetter-Ferguson methods. These methods produce estimates that are not as significantly influenced by random variations in claim payout or reporting speeds, but are highly stable from year to year and are a reflection of the overall level of exposure.

Selections of Ultimate Losses

Generally, the selection of ultimate losses was based on selecting incurred loss development method for older years, as this method seemed to give the best result. In years where there was great variability, particularly more recent Report Years, we selected a combination of methods (including the Bornhuetter-Ferguson method) to provide greater stability in results.

Any exceptions to the above description were based on our review of the methods combined with our knowledge of specific accident years and other considerations as described in the background section of our report.

Loss Reserve Discounting

T&M reflected anticipated investment income on reserves using an assumed discount rate of 1.5%. This rate was based on historical yields by the State as of June 30, 2026. We did not independently verify the ability of the PSTIF to match these rates at June 30, 2026.

The undiscounted reserves and the discounted reserves are shown in the summary section of our report. The future payout of the undiscounted recommended reserve from 2027 to 2035 separately and for years subsequent to fiscal year 2035 on a combined basis is also provided in this section.

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Executive Summary - Unpaid Losses & ALAE

(1)	(2)	(3)	(4)	(5)	(6)	(7)
Claim Type	Case Reserve	IBNR	Unpaid ALAE	Undiscounted Unpaid Loss & ALAE	Discount	Discounted Unpaid Loss & ALAE
Insurance UST - Release	16,537,615	22,371,942	3,890,956	42,800,513	4,064,738	38,735,775
Remedial UST	10,477,360	2,194,220	1,267,158	13,938,739	1,241,658	12,697,080
Insurance AST	15,297,364	12,806,714	2,810,408	30,914,486	3,065,757	27,848,728
Remedial AST	1,535,054	89,817	162,487	1,787,359	55,824	1,731,535
Total	**43,847,393**	**37,462,694**	**8,131,009**	**89,441,096**	**8,427,978**	**81,013,119**

Notes: Col (5) = (2) + (3) + (4)
Col (7) = (5) - (6)

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Summary of Ultimate Losses

(1)	(2)	(3)	(4)	(5)	(6)
	PAID LDM	INC LDM	PAID BF	INC BF	SELECTED
RY	ULTIMATE	ULTIMATE	ULTIMATE	ULTIMATE	ULTIMATE
1994	4,746,292	4,746,292	-	-	4,746,292
1995	4,263,652	4,192,113	-	-	4,192,113
1996	8,674,866	8,674,866	-	-	8,674,866
1997	10,487,950	10,301,941	-	-	10,301,941
1998	10,295,647	10,305,937	-	-	10,305,937
1999	12,659,855	12,599,045	-	-	12,599,045
2000	11,824,918	11,902,306	-	-	11,902,306
2001	4,456,283	4,437,941	-	-	4,437,941
2002	9,680,304	9,863,467	-	-	9,863,467
2003	9,106,551	9,282,501	-	-	9,282,501
2004	8,465,047	8,581,142	-	-	8,581,142
2005	6,671,828	6,873,235	-	-	6,873,235
2006	5,841,251	5,825,935	-	-	5,825,935
2007	7,540,884	7,666,003	-	-	7,666,003
2008	7,445,942	7,613,493	7,322,356	7,520,667	7,613,493
2009	4,049,340	4,111,414	4,175,870	4,193,674	4,111,414
2010	2,953,288	3,143,844	3,034,444	3,291,574	3,143,844
2011	6,226,351	6,698,594	5,903,103	6,619,965	6,698,594
2012	4,878,155	4,704,351	4,963,365	4,774,640	4,704,351
2013	5,424,652	5,591,760	5,441,950	5,586,531	5,591,760
2014	5,443,152	5,760,978	5,448,808	5,727,797	5,595,184
2015	9,106,227	9,391,231	8,391,340	8,864,949	9,120,802
2016	5,370,753	5,836,933	5,364,201	5,764,888	5,584,194
2017	5,862,749	5,746,031	5,727,220	5,672,655	5,804,390
2018	5,286,118	5,390,946	5,288,111	5,373,112	5,334,572
2019	5,735,693	5,395,605	5,563,132	5,342,899	5,453,015
2020	2,942,532	3,331,952	3,654,776	3,731,667	3,693,222
2021	4,896,504	4,632,079	4,982,769	4,757,167	4,790,671
2022	6,570,623	5,306,883	5,860,469	5,233,212	5,742,797
2023	5,092,040	4,685,659	5,039,811	4,787,433	4,888,849
2024	3,645,280	4,126,417	4,469,456	4,426,664	4,276,541
2025	3,953,262	5,315,335	4,734,580	5,155,498	4,734,580
2026	8,354,968	6,141,899	5,369,967	5,195,405	5,569,090
TOTAL	217,952,959	218,178,129	100,735,728	102,020,397	217,704,087

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Summary of Ultimate Losses

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) PAID BF ULTIMATE	(5) INC BF ULTIMATE	(6) SELECTED ULTIMATE
1994	-	-	-	-	-
1995	114,027	114,027	-	-	114,027
1996	68,420,436	68,420,436	-	-	68,420,436
1997	9,087,242	9,071,124	-	-	9,071,124
1998	18,999,090	18,899,919	-	-	18,899,919
1999	9,238,222	9,051,963	-	-	9,051,963
2000	16,741,766	16,741,766	-	-	16,741,766
2001	3,065,532	3,065,532	-	-	3,065,532
2002	3,300,676	3,239,172	-	-	3,239,172
2003	1,247,805	1,146,436	-	-	1,146,436
2004	2,368,753	2,368,753	-	-	2,368,753
2005	2,788,380	2,805,787	-	-	2,805,787
2006	761,499	773,069	-	-	773,069
2007	1,518,597	1,305,948	-	-	1,305,948
2008	705,588	734,588	896,774	749,791	734,588
2009	875,405	884,492	909,978	893,745	884,492
2010	740,434	735,542	794,359	755,498	740,434
2011	1,717,084	1,870,247	1,388,238	1,794,843	1,870,247
2012	305,720	333,280	527,370	380,214	333,280
2013	1,658,610	1,479,613	1,445,299	1,413,771	1,479,613
2014	1,022,289	874,465	961,341	866,863	874,465
2015	107,157	123,642	340,237	209,581	123,642
2016	1,278,358	1,338,155	1,091,088	1,254,624	1,338,155
2017	1,007,332	759,868	891,189	749,733	759,868
2018	1,158,592	1,222,289	960,777	1,115,430	1,165,437
2019	586,031	517,785	600,981	540,278	551,908
2020	221,554	176,993	389,435	270,069	222,872
2021	291,301	189,627	427,614	275,355	295,974
2022	742,428	985,802	612,202	874,123	612,202
2023	428,748	309,725	478,386	364,140	336,933
2024	470,172	261,657	478,273	328,758	470,172
2025	267,061	408,053	402,792	425,180	408,053
2026	199,900	546,020	418,667	475,652	480,113
TOTAL	151,435,790	150,755,775	14,015,000	13,737,646	150,686,379

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Summary of Ultimate Losses

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) PAID BF ULTIMATE	(5) INC BF ULTIMATE	(6) SELECTED ULTIMATE
1994	-	-	-	-	-
1995	-	-	-	-	-
1996	-	-	-	-	-
1997	-	-	-	-	-
1998	478,042	478,042	-	-	478,042
1999	2,689,230	2,689,230	-	-	2,689,230
2000	1,195,793	1,195,793	-	-	1,195,793
2001	6,693,030	6,675,614	-	-	6,675,614
2002	2,048,171	2,048,171	-	-	2,048,171
2003	1,607,917	1,607,917	-	-	1,607,917
2004	3,374,777	3,374,777	-	-	3,374,777
2005	2,153,485	2,153,485	-	-	2,153,485
2006	2,364,776	2,357,913	-	-	2,357,913
2007	1,304,578	1,228,208	-	-	1,228,208
2008	581,362	581,362	664,714	581,362	581,362
2009	1,027,859	963,112	1,031,608	963,112	963,112
2010	1,434,006	1,434,710	1,166,841	1,434,864	1,434,358
2011	1,515,782	1,481,994	1,576,877	1,492,308	1,481,994
2012	2,554,737	2,585,656	2,922,271	2,592,431	2,585,656
2013	1,311,011	1,288,989	1,581,891	1,331,864	1,300,000
2014	844,706	866,528	821,821	934,366	866,855
2015	1,747,535	1,790,719	2,087,919	1,901,868	1,846,293
2016	2,432,608	2,618,415	2,452,334	2,697,479	2,452,334
2017	4,899,397	5,303,450	4,279,186	5,191,985	5,247,717
2018	3,536,876	3,729,872	3,743,390	3,751,445	3,670,046
2019	5,846,740	6,017,135	5,266,738	5,661,995	5,698,152
2020	2,028,376	2,159,937	2,967,716	2,543,097	2,094,157
2021	4,300,470	4,369,381	4,506,186	4,334,944	4,403,504
2022	3,540,347	3,428,516	4,161,603	3,637,068	3,691,883
2023	2,737,313	2,462,860	4,037,811	2,993,200	3,057,796
2024	4,020,517	2,816,767	4,573,818	3,323,725	4,573,818
2025	7,985,893	6,146,003	5,669,929	5,454,324	5,756,752
2026	5,495,768	2,961,579	4,500,005	3,793,387	3,793,387
TOTAL	81,751,103	76,816,135	58,012,660	54,614,823	79,308,327

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Summary of Ultimate Losses

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) PAID BF ULTIMATE	(5) INC BF ULTIMATE	(6) SELECTED ULTIMATE
1994	-	-	-	-	-
1995	106,826	106,826	-	-	106,826
1996	109,456	109,456	-	-	109,456
1997	-	-	-	-	-
1998	662,628	662,628	-	-	662,628
1999	1,160,375	1,160,375	-	-	1,160,375
2000	5,323,364	5,323,364	-	-	5,323,364
2001	2,571,645	2,571,645	-	-	2,571,645
2002	239,493	239,493	-	-	239,493
2003	555,224	555,224	-	-	555,224
2004	2,045,997	2,045,997	-	-	2,045,997
2005	79,838	79,838	-	-	79,838
2006	-	-	-	-	-
2007	41,750	41,750	-	-	41,750
2008	51,787	51,787	53,871	51,787	51,787
2009	183,657	183,657	186,451	183,657	183,657
2010	-	-	3,800	-	-
2011	-	-	5,010	-	-
2012	-	-	6,276	1,220	-
2013	-	-	7,303	1,244	-
2014	-	-	8,490	1,333	-
2015	155,510	173,284	165,089	158,933	173,284
2016	-	-	10,892	4,135	-
2017	59,359	71,602	73,974	65,291	71,602
2018	-	-	16,977	7,402	-
2019	-	-	19,886	7,550	-
2020	61,158	80,803	83,676	70,101	70,981
2021	71,637	29,496	48,907	31,623	71,637
2022	-	-	26,989	12,217	-
2023	-	-	29,085	12,571	-
2024	-	-	32,164	12,823	-
2025	-	-	36,639	19,837	-
2026	-	-	38,775	27,366	-
TOTAL	13,479,705	13,487,225	854,254	669,091	13,519,543

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Summary of Ultimate Losses

(1)	(2)	(3)	(4)	(5)	(6)
	PAID LDM	INC LDM	PAID BF	INC BF	SELECTED
RY	ULTIMATE	ULTIMATE	ULTIMATE	ULTIMATE	ULTIMATE
1994	4,746,292	4,746,292	-	-	4,746,292
1995	4,484,505	4,412,965	-	-	4,412,965
1996	77,204,758	77,204,758	-	-	77,204,758
1997	19,575,193	19,373,065	-	-	19,373,065
1998	30,435,407	30,346,525	-	-	30,346,525
1999	25,747,682	25,500,613	-	-	25,500,613
2000	35,085,842	35,163,230	-	-	35,163,230
2001	16,786,490	16,750,731	-	-	16,750,731
2002	15,268,644	15,390,303	-	-	15,390,303
2003	12,517,496	12,592,078	-	-	12,592,078
2004	16,254,575	16,370,670	-	-	16,370,670
2005	11,693,531	11,912,345	-	-	11,912,345
2006	8,967,527	8,956,916	-	-	8,956,916
2007	10,405,810	10,241,910	-	-	10,241,910
2008	8,784,680	8,981,230	8,937,716	8,903,607	8,981,230
2009	6,136,260	6,142,674	6,303,907	6,234,187	6,142,674
2010	5,127,727	5,314,096	4,999,444	5,481,936	5,318,635
2011	9,459,217	10,050,835	8,873,228	9,907,116	10,050,835
2012	7,738,612	7,623,287	8,419,282	7,748,504	7,623,287
2013	8,394,273	8,360,363	8,476,443	8,333,411	8,371,373
2014	7,310,147	7,501,972	7,240,459	7,530,360	7,336,504
2015	11,116,429	11,478,877	10,984,585	11,135,330	11,264,022
2016	9,081,719	9,793,503	8,918,514	9,721,126	9,374,682
2017	11,828,838	11,880,951	10,971,569	11,679,664	11,883,578
2018	9,981,587	10,343,106	10,009,255	10,247,389	10,170,055
2019	12,168,463	11,930,524	11,450,737	11,552,722	11,703,075
2020	5,253,620	5,749,685	7,095,603	6,614,934	6,081,231
2021	9,559,912	9,220,583	9,965,477	9,399,089	9,561,786
2022	10,853,398	9,721,201	10,661,263	9,756,620	10,046,882
2023	8,258,101	7,458,244	9,585,093	8,157,344	8,283,578
2024	8,135,969	7,204,841	9,553,712	8,091,970	9,320,531
2025	12,206,217	11,869,391	10,843,940	11,054,839	10,899,385
2026	14,050,636	9,649,499	10,327,414	9,491,810	9,842,591
TOTAL	464,619,557	459,237,264	173,617,641	171,041,958	461,218,337

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Summary of Case & IBNR Reserves

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
RY	SELECTED ULTIMATE	PAID LOSS	INCURRED LOSS	CASE RESERVE	IBNR RESERVE	UNPAID LOSS	UNPAID ALAE	UNPAID LOSS & ALAE
1994	4,746,292	4,529,926	4,746,292	216,366	-	216,366	21,637	238,002
1995	4,412,965	4,380,513	4,412,965	32,452	-	32,452	3,245	35,697
1996	77,204,758	73,250,503	77,204,758	3,954,255	-	3,954,255	395,426	4,349,681
1997	19,373,065	18,932,480	19,373,065	440,585	-	440,585	44,059	484,644
1998	30,346,525	28,483,508	30,336,236	1,852,728	10,290	1,863,018	186,302	2,049,319
1999	25,500,613	24,614,253	25,473,069	858,817	27,544	886,360	88,636	974,996
2000	35,163,230	32,374,136	35,039,849	2,665,713	123,381	2,789,094	278,909	3,068,004
2001	16,750,731	15,193,683	16,696,894	1,503,211	53,837	1,557,048	155,705	1,712,753
2002	15,390,303	14,587,129	15,207,141	620,011	183,162	803,174	80,317	883,491
2003	12,592,078	11,792,269	12,416,128	623,859	175,950	799,809	79,981	879,790
2004	16,370,670	14,787,880	16,147,537	1,359,657	223,133	1,582,790	158,279	1,741,069
2005	11,912,345	10,037,645	11,693,531	1,655,887	218,814	1,874,700	187,470	2,062,170
2006	8,956,916	8,341,273	8,723,773	382,500	233,143	615,643	61,564	677,207
2007	10,241,910	9,623,766	9,883,800	260,035	358,110	618,144	61,814	679,959
2008	8,981,230	8,266,365	8,588,492	322,127	392,738	714,865	71,486	786,351
2009	6,142,674	5,551,277	5,878,708	327,431	263,966	591,397	59,140	650,537
2010	5,318,635	4,149,442	5,067,845	918,402	250,791	1,169,193	116,919	1,286,113
2011	10,050,835	7,847,374	9,410,882	1,563,508	639,953	2,203,461	220,346	2,423,807
2012	7,623,287	7,138,229	7,183,042	44,814	440,244	485,058	48,506	533,564
2013	8,371,373	6,937,796	7,605,283	667,487	766,091	1,433,578	143,358	1,576,935
2014	7,336,504	5,454,078	6,704,757	1,250,679	631,747	1,882,426	188,243	2,070,669
2015	11,264,022	8,990,992	10,103,738	1,112,746	1,160,284	2,273,030	227,303	2,500,333
2016	9,374,682	6,633,228	8,577,214	1,943,986	797,468	2,741,454	274,145	3,015,599
2017	11,883,578	8,322,270	10,412,031	2,089,762	1,471,546	3,561,308	356,131	3,917,439
2018	10,170,055	7,008,671	8,752,884	1,744,213	1,417,171	3,161,384	316,138	3,477,522
2019	11,703,075	8,096,732	9,641,617	1,544,885	2,061,458	3,606,343	360,634	3,966,977
2020	6,081,231	3,331,226	4,527,977	1,196,751	1,553,254	2,750,005	275,000	3,025,005
2021	9,561,786	5,478,587	7,003,657	1,525,070	2,558,129	4,083,199	408,320	4,491,519
2022	10,046,882	5,438,831	7,108,729	1,669,899	2,938,153	4,608,051	460,805	5,068,857
2023	8,283,578	3,531,860	5,111,601	1,579,741	3,171,977	4,751,718	475,172	5,226,890
2024	9,320,531	2,596,256	4,636,992	2,040,737	4,683,539	6,724,276	672,428	7,396,703
2025	10,899,385	2,499,016	6,767,232	4,268,216	4,132,153	8,400,369	840,037	9,240,406
2026	9,842,591	1,707,057	3,317,923	1,610,865	6,524,668	8,135,534	813,553	8,949,087
TOTAL	461,218,337	379,908,249	423,755,643	43,847,393	37,462,694	81,310,088	8,131,009	89,441,096

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Summary of Case & IBNR Reserves

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	SELECTED	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	4,746,292	4,529,926	4,746,292	216,366	-	216,366
1995	4,192,113	4,159,661	4,192,113	32,452	-	32,452
1996	8,674,866	7,652,167	8,674,866	1,022,699	-	1,022,699
1997	10,301,941	10,232,147	10,301,941	69,795	-	69,795
1998	10,305,937	9,281,023	10,295,647	1,014,624	10,290	1,024,913
1999	12,599,045	12,351,078	12,571,501	220,423	27,544	247,967
2000	11,902,306	11,500,684	11,778,925	278,241	123,381	401,622
2001	4,437,941	4,324,061	4,384,103	60,043	53,837	113,880
2002	9,863,467	9,258,733	9,680,304	421,571	183,162	604,733
2003	9,282,501	8,667,528	9,106,551	439,023	175,950	614,973
2004	8,581,142	8,126,714	8,358,009	231,295	223,133	454,429
2005	6,873,235	5,721,870	6,671,828	949,959	201,407	1,151,366
2006	5,825,935	5,526,926	5,604,362	77,435	221,573	299,009
2007	7,666,003	7,089,213	7,340,498	251,285	325,505	576,790
2008	7,613,493	6,927,628	7,249,755	322,127	363,738	685,865
2009	4,111,414	3,732,468	3,893,899	161,431	217,515	378,946
2010	3,143,844	2,529,825	2,953,288	423,463	190,556	614,019
2011	6,698,594	5,337,867	6,226,351	888,484	472,243	1,360,727
2012	4,704,351	4,277,772	4,322,586	44,814	381,765	426,579
2013	5,591,760	4,615,995	5,019,219	403,224	572,541	975,765
2014	5,595,184	4,529,149	5,088,235	559,086	506,949	1,066,035
2015	9,120,802	7,356,682	8,157,449	800,767	963,353	1,764,121
2016	5,584,194	4,203,470	4,989,665	786,195	594,528	1,380,724
2017	5,804,390	4,455,707	4,804,902	349,195	999,489	1,348,684
2018	5,334,572	3,910,962	4,401,512	490,550	933,060	1,423,610
2019	5,453,015	4,084,530	4,299,060	214,530	1,153,955	1,368,485
2020	3,693,222	1,982,515	2,589,434	606,919	1,103,787	1,710,707
2021	4,790,671	3,000,062	3,442,692	442,630	1,347,979	1,790,609
2022	5,742,797	3,508,362	3,803,291	294,929	1,939,506	2,234,435
2023	4,888,849	2,329,300	3,147,921	818,621	1,740,928	2,559,550
2024	4,276,541	1,317,940	2,596,400	1,278,461	1,680,141	2,958,601
2025	4,734,580	928,714	2,822,736	1,894,022	1,911,844	3,805,866
2026	5,569,090	1,343,852	1,816,807	472,955	3,752,283	4,225,238
TOTAL	217,704,087	178,794,530	195,332,145	16,537,615	22,371,942	38,909,557

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Summary of Case & IBNR Reserves

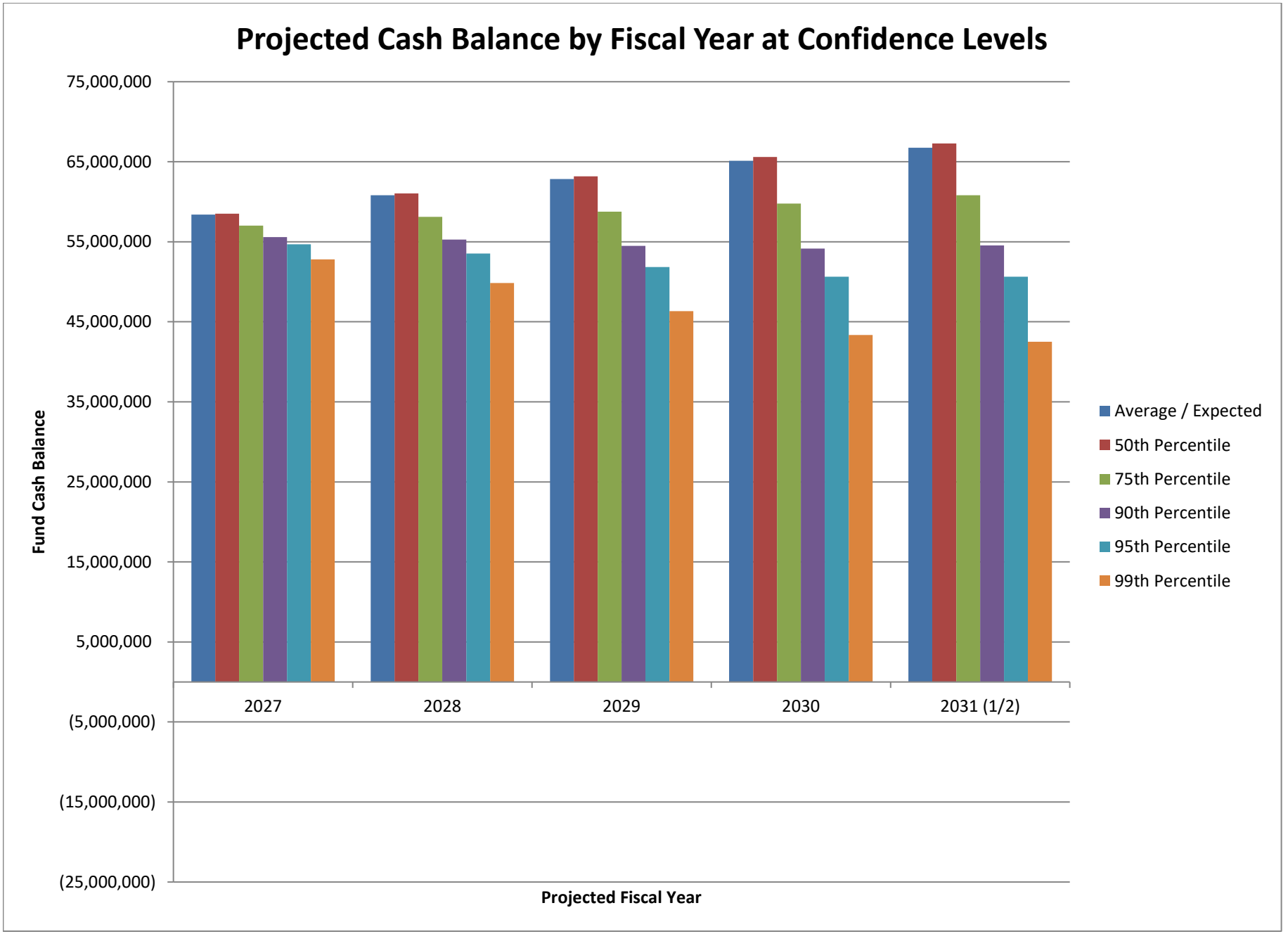
(1) RY	(2) SELECTED ULTIMATE	(3) PAID LOSS	(4) INCURRED LOSS	(5) CASE RESERVE	(6) IBNR RESERVE	(7) UNPAID LOSS
1994	-	-	-	-	-	-
1995	114,027	114,027	114,027	-	-	-
1996	68,420,436	65,488,880	68,420,436	2,931,556	-	2,931,556
1997	9,071,124	8,700,333	9,071,124	370,791	-	370,791
1998	18,899,919	18,061,814	18,899,919	838,105	-	838,105
1999	9,051,963	8,723,587	9,051,963	328,376	-	328,376
2000	16,741,766	15,187,804	16,741,766	1,553,963	-	1,553,963
2001	3,065,532	2,393,583	3,065,532	671,949	-	671,949
2002	3,239,172	3,040,732	3,239,172	198,440	-	198,440
2003	1,146,436	1,137,400	1,146,436	9,036	-	9,036
2004	2,368,753	1,915,400	2,368,753	453,353	-	453,353
2005	2,805,787	2,391,427	2,788,380	396,953	17,407	414,360
2006	773,069	611,329	761,499	150,170	11,570	161,740
2007	1,305,948	1,288,740	1,273,344	(15,397)	32,605	17,208
2008	734,588	705,588	705,588	-	28,999	28,999
2009	884,492	712,041	838,041	126,000	46,451	172,451
2010	740,434	588,055	680,551	92,496	59,882	152,379
2011	1,870,247	1,177,638	1,717,084	539,447	153,162	692,609
2012	333,280	305,720	305,720	-	27,560	27,560
2013	1,479,613	1,218,799	1,323,850	105,051	155,763	260,814
2014	874,465	729,198	771,816	42,618	102,649	145,267
2015	123,642	107,157	107,157	-	16,485	16,485
2016	1,338,155	843,319	1,154,940	311,622	183,214	494,836
2017	759,868	637,724	648,373	10,649	111,495	122,144
2018	1,165,437	702,591	991,646	289,055	173,791	462,846
2019	551,908	345,858	406,576	60,717	145,332	206,049
2020	222,872	120,903	137,211	16,308	85,661	101,969
2021	295,974	144,343	145,913	1,570	150,061	151,631
2022	612,202	315,249	742,428	427,178	(130,226)	296,953
2023	336,933	155,850	224,178	68,328	112,755	181,083
2024	470,172	132,398	181,774	49,377	288,398	337,774
2025	408,053	17,313	267,061	249,748	140,992	390,740
2026	480,113	-	199,900	199,900	280,213	480,113
TOTAL	150,686,379	138,014,798	148,492,159	10,477,360	2,194,220	12,671,581

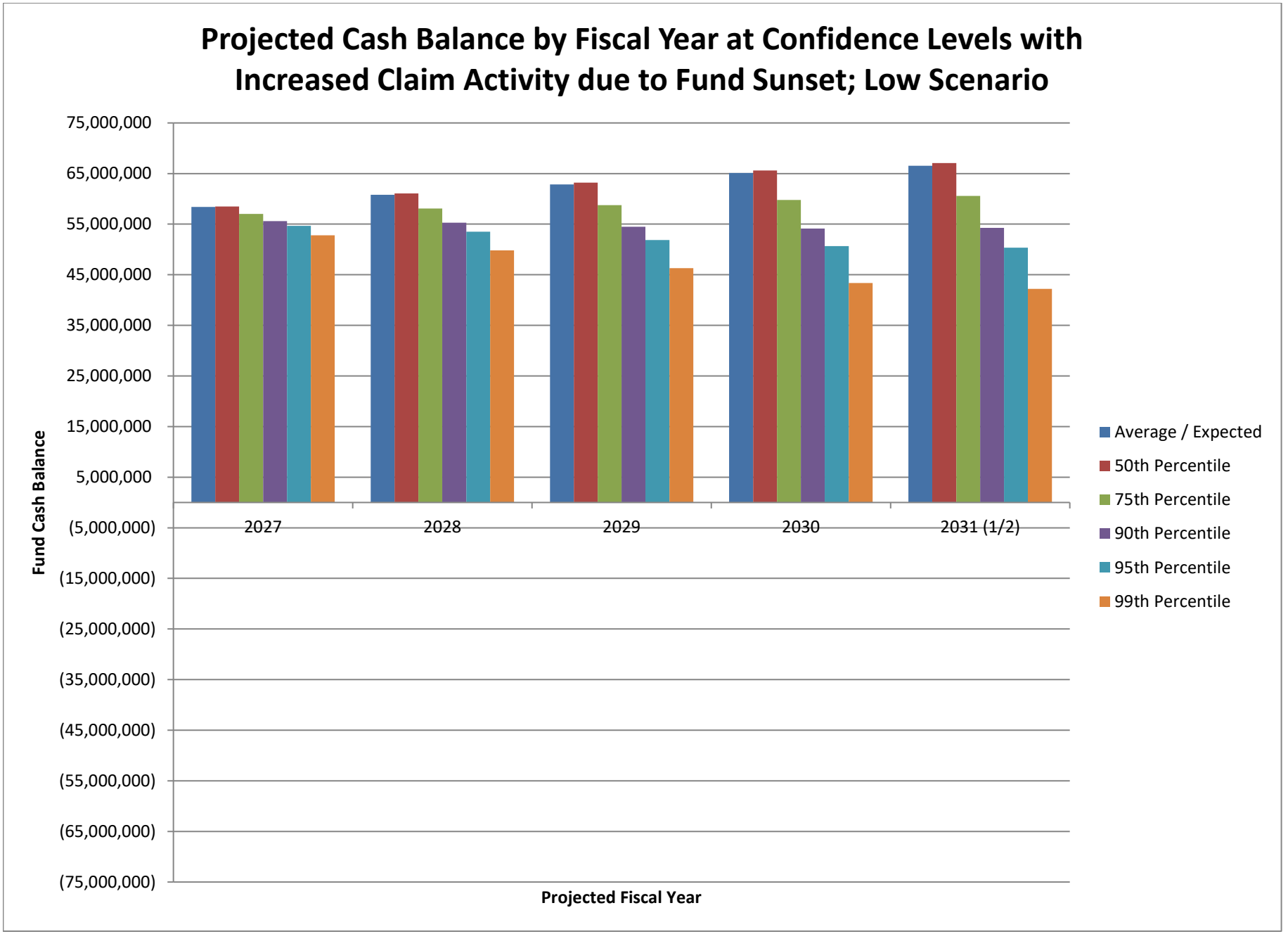
Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Summary of Case & IBNR Reserves

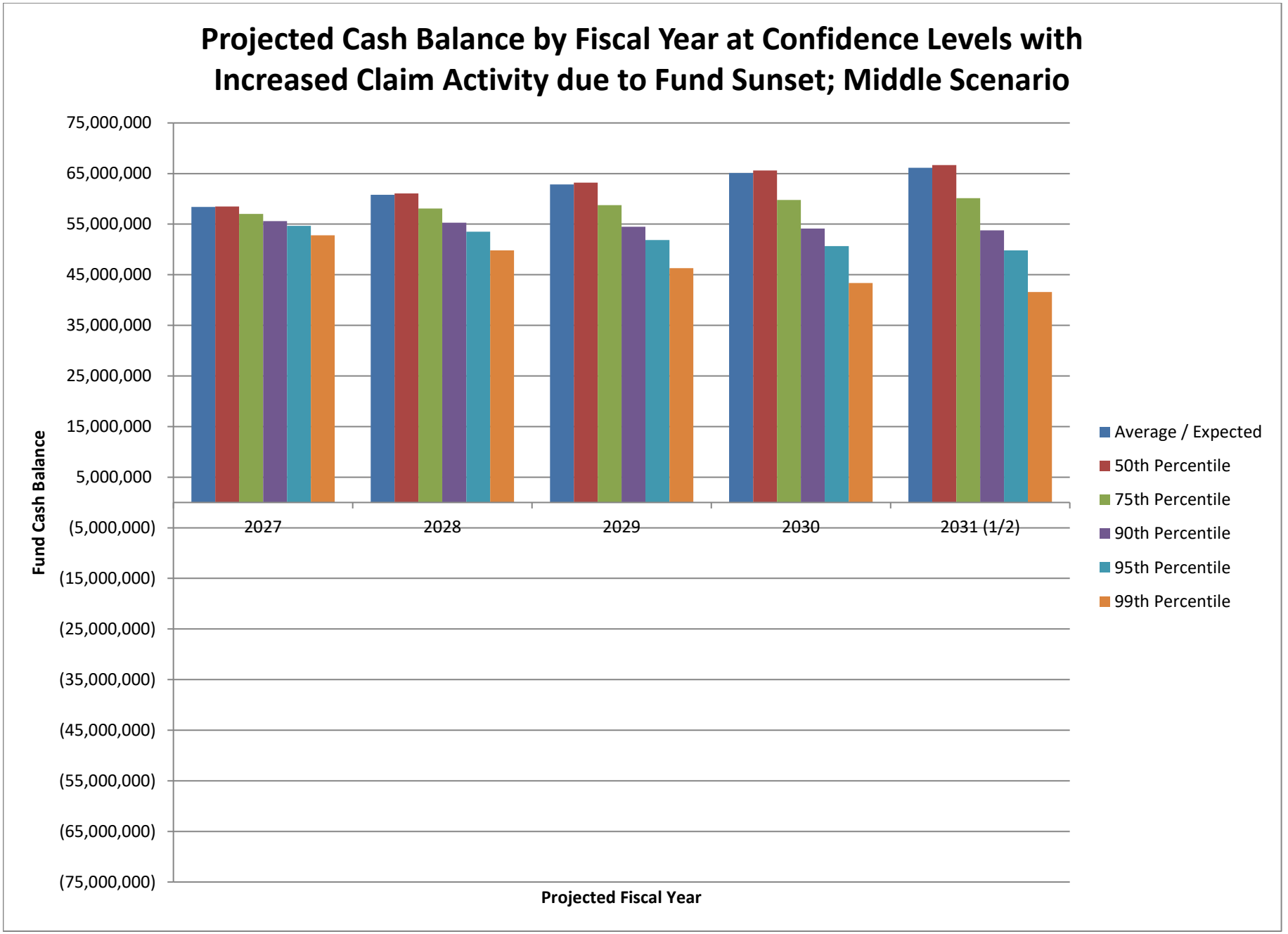
(1) RY	(2) SELECTED ULTIMATE	(3) PAID LOSS	(4) INCURRED LOSS	(5) CASE RESERVE	(6) IBNR RESERVE	(7) UNPAID LOSS
1994	-	-	-	-	-	-
1995	-	-	-	-	-	-
1996	-	-	-	-	-	-
1997	-	-	-	-	-	-
1998	478,042	478,042	478,042	-	-	-
1999	2,689,230	2,532,831	2,689,230	156,399	-	156,399
2000	1,195,793	1,195,793	1,195,793	-	-	-
2001	6,675,614	6,374,314	6,675,614	301,300	-	301,300
2002	2,048,171	2,048,171	2,048,171	-	-	-
2003	1,607,917	1,432,117	1,607,917	175,800	-	175,800
2004	3,374,777	2,780,056	3,374,777	594,721	-	594,721
2005	2,153,485	1,844,510	2,153,485	308,975	-	308,975
2006	2,357,913	2,203,018	2,357,913	154,895	-	154,895
2007	1,228,208	1,204,062	1,228,208	24,146	-	24,146
2008	581,362	581,362	581,362	-	-	-
2009	963,112	923,112	963,112	40,000	-	40,000
2010	1,434,358	1,031,562	1,434,006	402,443	352	402,796
2011	1,481,994	1,331,869	1,467,447	135,578	14,548	150,126
2012	2,585,656	2,554,737	2,554,737	-	30,919	30,919
2013	1,300,000	1,103,002	1,262,213	159,211	37,787	196,998
2014	866,855	195,732	844,706	648,974	22,149	671,124
2015	1,846,293	1,371,642	1,683,621	311,979	162,672	474,651
2016	2,452,334	1,586,440	2,432,608	846,169	19,725	865,894
2017	5,247,717	3,169,480	4,899,397	1,729,918	348,320	2,078,238
2018	3,670,046	2,395,118	3,359,726	964,608	310,320	1,274,928
2019	5,698,152	3,666,344	4,935,981	1,269,637	762,171	2,031,808
2020	2,094,157	1,166,650	1,740,174	573,523	353,983	927,506
2021	4,403,504	2,310,244	3,393,394	1,083,149	1,010,110	2,093,259
2022	3,691,883	1,615,219	2,563,010	947,791	1,128,873	2,076,664
2023	3,057,796	1,046,711	1,739,502	692,791	1,318,294	2,011,085
2024	4,573,818	1,145,918	1,858,818	712,899	2,715,001	3,427,900
2025	5,756,752	1,552,988	3,677,435	2,124,446	2,079,317	4,203,763
2026	3,793,387	363,205	1,301,215	938,011	2,492,172	3,430,182
TOTAL	79,308,327	51,204,249	66,501,613	15,297,364	12,806,714	28,104,078

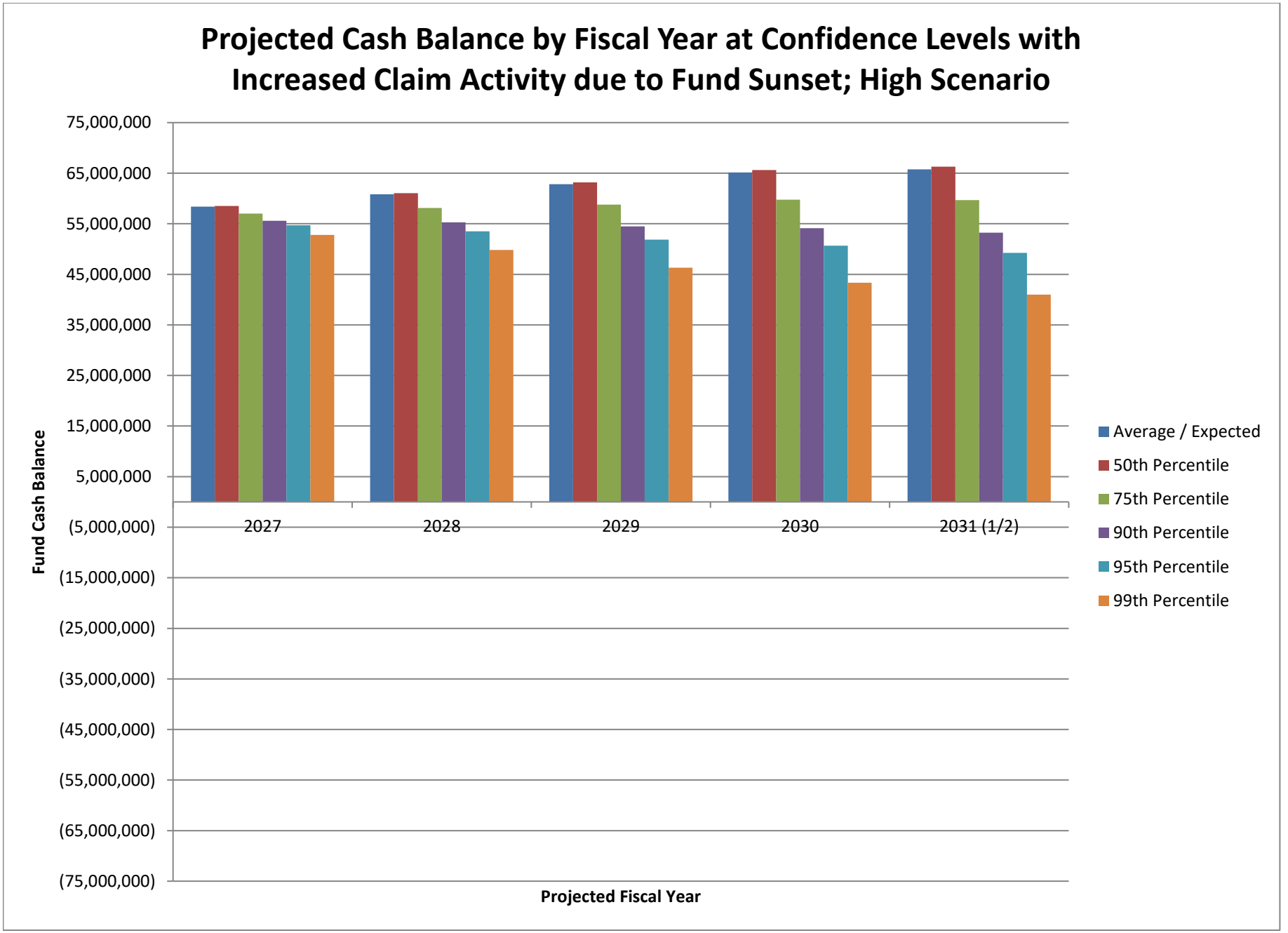
Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Summary of Case & IBNR Reserves

(1) RY	(2) SELECTED ULTIMATE	(3) PAID LOSS	(4) INCURRED LOSS	(5) CASE RESERVE	(6) IBNR RESERVE	(7) UNPAID LOSS
1994	-	-	-	-	-	-
1995	106,826	106,826	106,826	-	-	-
1996	109,456	109,456	109,456	-	-	-
1997	-	-	-	-	-	-
1998	662,628	662,628	662,628	-	-	-
1999	1,160,375	1,006,757	1,160,375	153,618	-	153,618
2000	5,323,364	4,489,855	5,323,364	833,509	-	833,509
2001	2,571,645	2,101,725	2,571,645	469,920	-	469,920
2002	239,493	239,493	239,493	-	-	-
2003	555,224	555,224	555,224	-	-	-
2004	2,045,997	1,965,711	2,045,997	80,287	-	80,287
2005	79,838	79,838	79,838	-	-	-
2006	-	-	-	-	-	-
2007	41,750	41,750	41,750	-	-	-
2008	51,787	51,787	51,787	-	-	-
2009	183,657	183,657	183,657	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	173,284	155,510	155,510	-	17,773	17,773
2016	-	-	-	-	-	-
2017	71,602	59,359	59,359	-	12,243	12,243
2018	-	-	-	-	-	-
2019	-	-	-	-	-	-
2020	70,981	61,158	61,158	-	9,823	9,823
2021	71,637	23,938	21,658	(2,280)	49,979	47,699
2022	-	-	-	-	-	-
2023	-	-	-	-	-	-
2024	-	-	-	-	-	-
2025	-	-	-	-	-	-
2026	-	-	-	-	-	-
TOTAL	13,519,543	11,894,672	13,429,726	1,535,054	89,817	1,624,872


Projected Cash Balance by Fiscal Year at Confidence Levels
75,000,000
65,000,000
55,000,000
45,000,000
35,000,000
25,000,000
15,000,000
5,000,000
(5,000,000)
(15,000,000)
(25,000,000)
Fund Cash Balance
2027
2028
2029
2030
2031 (1/2)
Projected Fiscal Year
Average / Expected
50th Percentile
75th Percentile
90th Percentile
95th Percentile
99th Percentile


Projected Cash Balance by Fiscal Year at Confidence Levels with Increased Claim Activity due to Fund Sunset; Low Scenario
75,000,000
65,000,000
55,000,000
45,000,000
35,000,000
25,000,000
15,000,000
5,000,000
(5,000,000)
(15,000,000)
(25,000,000)
(35,000,000)
(45,000,000)
(55,000,000)
(65,000,000)
(75,000,000)
Fund Cash Balance
2027
2028
2029
2030
2031 (1/2)
Projected Fiscal Year
Average / Expected
50th Percentile
75th Percentile
90th Percentile
95th Percentile
99th Percentile


Projected Cash Balance by Fiscal Year at Confidence Levels with Increased Claim Activity due to Fund Sunset; Middle Scenario
75,000,000
65,000,000
55,000,000
45,000,000
35,000,000
25,000,000
15,000,000
5,000,000
(5,000,000)
(15,000,000)
(25,000,000)
(35,000,000)
(45,000,000)
(55,000,000)
(65,000,000)
(75,000,000)
Fund Cash Balance
2027
2028
2029
2030
2031 (1/2)
Projected Fiscal Year
Average / Expected
50th Percentile
75th Percentile
90th Percentile
95th Percentile
99th Percentile


Projected Cash Balance by Fiscal Year at Confidence Levels with Increased Claim Activity due to Fund Sunset; High Scenario
75,000,000
65,000,000
55,000,000
45,000,000
35,000,000
25,000,000
15,000,000
5,000,000
(5,000,000)
(15,000,000)
(25,000,000)
(35,000,000)
(45,000,000)
(55,000,000)
(65,000,000)
(75,000,000)
Fund Cash Balance
2027
2028
2029
2030
2031 (1/2)
Projected Fiscal Year
Average / Expected
50th Percentile
75th Percentile
90th Percentile
95th Percentile
99th Percentile

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Financial Projections Based on PSTIF 2025 Projections

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Annual Revenues Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(1)	Transport load fees	18,000,000	17,950,000	17,900,000	17,850,000	8,900,000	80,600,000
(2)	100 Initial tank fees	15,000	15,000	15,000	15,000	7,500	67,500
(3)	UST participation fees	750,000	750,000	750,000	750,000	375,000	3,375,000
(4)	AST participation fees	300,000	300,000	300,000	300,000	150,000	1,350,000
(5)	Interest income	1,744,825	852,899	894,057	927,355	479,839	4,898,975
(6)	Total Revenues	20,809,825	19,867,899	19,859,057	19,842,355	9,912,339	90,291,475
	Administrative Expenses Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(7)	Contracted Fund Administrator Expenses	1,129,343	1,085,078	1,118,033	1,074,921	254,209	4,661,584
(8)	Contingency & Special Projects	75,000	75,000	75,000	75,000	37,500	337,500
(9)	Office of Administration	147,038	151,449	155,993	160,672	82,746	697,898
(10)	OA State Accounting Software	72,256	-	-	-	-	72,256
(11)	Section 319.107 Expenses	10,000	10,300	10,609	10,927	5,628	47,464
(12)	Underwriting	759,802	782,596	806,074	830,256	427,582	3,606,310
(13)	Inspections	335,668	447,746	335,668	361,521	180,761	1,661,364
(14)	Training & Loss Prevention Services	6,000	6,180	6,365	6,556	3,377	28,478
(15)	Other Legal and Litigation Costs	50,000	51,500	53,045	54,636	28,138	237,319
(16)	Other Contract Administrative Costs	417,600	430,128	443,032	456,323	235,006	1,982,089
(17)	Audit	29,690	30,581	31,498	32,443	16,708	140,920
(18)	Actuarial Analyses	16,350	16,350	16,350	16,350	8,175	73,575
(19)	Department of Revenue	65,232	67,189	69,205	71,281	36,710	309,616
(20)	Attorney General's Office	56,932	58,640	60,399	62,211	32,039	270,221
(21)	PSTIF Board/Staff	534,368	550,399	566,911	583,918	300,718	2,536,314
(22)	Department of Natural Resources	2,747,477	2,829,901	2,914,798	3,002,242	1,546,155	13,040,574
(23)	Total Administrative Expenses	6,452,756	6,593,037	6,662,980	6,799,260	3,195,450	29,703,482
	Claim Payments Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(24)	Average / Expected	11,293,429	10,850,775	11,180,332	10,749,213	5,084,176	49,157,925
(25)	50th Percentile Losses	11,174,916	10,733,354	11,056,998	10,629,574	5,027,115	48,621,956
(26)	75th Percentile Losses	12,670,287	12,178,722	12,535,724	12,031,527	5,682,529	55,098,790
(27)	90th Percentile Losses	14,105,187	13,574,659	13,973,304	13,404,270	6,326,811	61,384,231
(28)	95th Percentile Losses	14,997,438	14,439,745	14,863,717	14,252,594	6,724,215	65,277,710
(29)	99th Percentile Losses	16,875,776	16,245,140	16,711,430	16,015,322	7,553,662	73,401,330
(30)	Cash balance @ 6/30/26	55,328,096					
	Funds Available at Fiscal Year-End:	2027	2028	2029	2030	2031 (1/2)	
(31)	Average / Expected	58,391,736	60,815,823	62,831,567	65,125,451	66,758,164	
(32)	50th Percentile	58,510,249	61,051,758	63,190,837	65,604,359	67,294,132	
(33)	75th Percentile	57,014,878	58,111,018	58,771,370	59,782,939	60,817,298	
(34)	90th Percentile	55,579,978	55,280,182	54,502,954	54,141,780	54,531,858	
(35)	95th Percentile	54,687,727	53,522,844	51,855,203	50,645,705	50,638,379	
(36)	99th Percentile	52,809,389	49,839,111	46,323,758	43,351,531	42,514,759	

Notes: Rows (1) through (22) from Financial Projections provided by PSTIF with some minor differences due to rounding.

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Financial Projections Based on PSTIF 2025 Projections w/Increased Activity due to Sunset, Low Scenario

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Annual Revenues Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(1)	Transport load fees	18,000,000	17,950,000	17,900,000	17,850,000	8,900,000	80,600,000
(2)	100 Initial tank fees	15,000	15,000	15,000	15,000	7,500	67,500
(3)	UST participation fees	750,000	750,000	750,000	750,000	375,000	3,375,000
(4)	AST participation fees	300,000	300,000	300,000	300,000	150,000	1,350,000
(5)	Interest income	1,744,825	852,899	894,057	927,355	479,839	4,898,975
(6)	Total Revenues	20,809,825	19,867,899	19,859,057	19,842,355	9,912,339	90,291,475
	Administrative Expenses Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(7)	Contracted Fund Administrator Expenses	1,129,343	1,085,078	1,118,033	1,074,921	254,209	4,661,584
(8)	Contingency & Special Projects	75,000	75,000	75,000	75,000	37,500	337,500
(9)	Office of Administration	147,038	151,449	155,993	160,672	82,746	697,898
(10)	OA State Accounting Software	72,256	-	-	-	-	72,256
(11)	Section 319.107 Expenses	10,000	10,300	10,609	10,927	5,628	47,464
(12)	Underwriting	759,802	782,596	806,074	830,256	427,582	3,606,310
(13)	Inspections	335,668	447,746	335,668	361,521	180,761	1,661,364
(14)	Training & Loss Prevention Services	6,000	6,180	6,365	6,556	3,377	28,478
(15)	Other Legal and Litigation Costs	50,000	51,500	53,045	54,636	28,138	237,319
(16)	Other Contract Administrative Costs	417,600	430,128	443,032	456,323	235,006	1,982,089
(17)	Audit	29,690	30,581	31,498	32,443	16,708	140,920
(18)	Actuarial Analyses	16,350	16,350	16,350	16,350	8,175	73,575
(19)	Department of Revenue	65,232	67,189	69,205	71,281	36,710	309,616
(20)	Attorney General's Office	56,932	58,640	60,399	62,211	32,039	270,221
(21)	PSTIF Board/Staff	534,368	550,399	566,911	583,918	300,718	2,536,314
(22)	Department of Natural Resources	2,747,477	2,829,901	2,914,798	3,002,242	1,546,155	13,040,574
(23)	Total Administrative Expenses	6,452,756	6,593,037	6,662,980	6,799,260	3,195,450	29,703,482
	Claim Payments Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(24)	Average / Expected	11,293,429	10,850,775	11,180,332	10,749,213	5,288,600	49,362,349
(25)	50th Percentile Losses	11,174,916	10,733,354	11,056,998	10,629,574	5,229,373	48,824,213
(26)	75th Percentile Losses	12,670,287	12,178,722	12,535,724	12,031,527	5,912,594	55,328,855
(27)	90th Percentile Losses	14,105,187	13,574,659	13,973,304	13,404,270	6,585,299	61,642,718
(28)	95th Percentile Losses	14,997,438	14,439,745	14,863,717	14,252,594	6,999,863	65,553,358
(29)	99th Percentile Losses	16,875,776	16,245,140	16,711,430	16,015,322	7,862,181	73,709,849
(30)	Cash balance @ 6/30/26	55,328,096					
	Funds Available at Fiscal Year-End:	2027	2028	2029	2030	2031 (1/2)	
(31)	Average / Expected	58,391,736	60,815,823	62,831,567	65,125,451	66,553,740	
(32)	50th Percentile	58,510,249	61,051,758	63,190,837	65,604,359	67,091,875	
(33)	75th Percentile	57,014,878	58,111,018	58,771,370	59,782,939	60,587,234	
(34)	90th Percentile	55,579,978	55,280,182	54,502,954	54,141,780	54,273,370	
(35)	95th Percentile	54,687,727	53,522,844	51,855,203	50,645,705	50,362,731	
(36)	99th Percentile	52,809,389	49,839,111	46,323,758	43,351,531	42,206,239	

Notes: Rows (1) through (22) from Financial Projections provided by PSTIF with some minor differences due to rounding.

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Financial Projections Based on PSTIF 2025 Projections w/Increased Activity due to Sunset, Middle Scenario

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Annual Revenues Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(1)	Transport load fees	18,000,000	17,950,000	17,900,000	17,850,000	8,900,000	80,600,000
(2)	100 Initial tank fees	15,000	15,000	15,000	15,000	7,500	67,500
(3)	UST participation fees	750,000	750,000	750,000	750,000	375,000	3,375,000
(4)	AST participation fees	300,000	300,000	300,000	300,000	150,000	1,350,000
(5)	Interest income	1,744,825	852,899	894,057	927,355	479,839	4,898,975
(6)	Total Revenues	20,809,825	19,867,899	19,859,057	19,842,355	9,912,339	90,291,475
	Administrative Expenses Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(7)	Contracted Fund Administrator Expenses	1,129,343	1,085,078	1,118,033	1,074,921	254,209	4,661,584
(8)	Contingency & Special Projects	75,000	75,000	75,000	75,000	37,500	337,500
(9)	Office of Administration	147,038	151,449	155,993	160,672	82,746	697,898
(10)	OA State Accounting Software	72,256	-	-	-	-	72,256
(11)	Section 319.107 Expenses	10,000	10,300	10,609	10,927	5,628	47,464
(12)	Underwriting	759,802	782,596	806,074	830,256	427,582	3,606,310
(13)	Inspections	335,668	447,746	335,668	361,521	180,761	1,661,364
(14)	Training & Loss Prevention Services	6,000	6,180	6,365	6,556	3,377	28,478
(15)	Other Legal and Litigation Costs	50,000	51,500	53,045	54,636	28,138	237,319
(16)	Other Contract Administrative Costs	417,600	430,128	443,032	456,323	235,006	1,982,089
(17)	Audit	29,690	30,581	31,498	32,443	16,708	140,920
(18)	Actuarial Analyses	16,350	16,350	16,350	16,350	8,175	73,575
(19)	Department of Revenue	65,232	67,189	69,205	71,281	36,710	309,616
(20)	Attorney General's Office	56,932	58,640	60,399	62,211	32,039	270,221
(21)	PSTIF Board/Staff	534,368	550,399	566,911	583,918	300,718	2,536,314
(22)	Department of Natural Resources	2,747,477	2,829,901	2,914,798	3,002,242	1,546,155	13,040,574
(23)	Total Administrative Expenses	6,452,756	6,593,037	6,662,980	6,799,260	3,195,450	29,703,482
	Claim Payments Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(24)	Average / Expected	11,293,429	10,850,775	11,180,332	10,749,213	5,697,448	49,771,196
(25)	50th Percentile Losses	11,174,916	10,733,354	11,056,998	10,629,574	5,633,887	49,228,728
(26)	75th Percentile Losses	12,670,287	12,178,722	12,535,724	12,031,527	6,372,723	55,788,983
(27)	90th Percentile Losses	14,105,187	13,574,659	13,973,304	13,404,270	7,102,274	62,159,693
(28)	95th Percentile Losses	14,997,438	14,439,745	14,863,717	14,252,594	7,551,160	66,104,654
(29)	99th Percentile Losses	16,875,776	16,245,140	16,711,430	16,015,322	8,479,220	74,326,888
(30)	Cash balance @ 6/30/26	55,328,096					
	Funds Available at Fiscal Year-End:	2027	2028	2029	2030	2031 (1/2)	
(31)	Average / Expected	58,391,736	60,815,823	62,831,567	65,125,451	66,144,892	
(32)	50th Percentile	58,510,249	61,051,758	63,190,837	65,604,359	66,687,361	
(33)	75th Percentile	57,014,878	58,111,018	58,771,370	59,782,939	60,127,105	
(34)	90th Percentile	55,579,978	55,280,182	54,502,954	54,141,780	53,756,395	
(35)	95th Percentile	54,687,727	53,522,844	51,855,203	50,645,705	49,811,434	
(36)	99th Percentile	52,809,389	49,839,111	46,323,758	43,351,531	41,589,200	

Notes: Rows (1) through (22) from Financial Projections provided by PSTIF with some minor differences due to rounding.

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Financial Projections Based on PSTIF 2025 Projections w/Increased Activity due to Sunset, High Scenario

	(A)	(B)	(C)	(D)	(E)	(F)	(G)
	Annual Revenues Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(1)	Transport load fees	18,000,000	17,950,000	17,900,000	17,850,000	8,900,000	80,600,000
(2)	100 Initial tank fees	15,000	15,000	15,000	15,000	7,500	67,500
(3)	UST participation fees	750,000	750,000	750,000	750,000	375,000	3,375,000
(4)	AST participation fees	300,000	300,000	300,000	300,000	150,000	1,350,000
(5)	Interest income	1,744,825	852,899	894,057	927,355	479,839	4,898,975
(6)	Total Revenues	20,809,825	19,867,899	19,859,057	19,842,355	9,912,339	90,291,475
	Administrative Expenses Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(7)	Contracted Fund Administrator Expenses	1,129,343	1,085,078	1,118,033	1,074,921	254,209	4,661,584
(8)	Contingency & Special Projects	75,000	75,000	75,000	75,000	37,500	337,500
(9)	Office of Administration	147,038	151,449	155,993	160,672	82,746	697,898
(10)	OA State Accounting Software	72,256	-	-	-	-	72,256
(11)	Section 319.107 Expenses	10,000	10,300	10,609	10,927	5,628	47,464
(12)	Underwriting	759,802	782,596	806,074	830,256	427,582	3,606,310
(13)	Inspections	335,668	447,746	335,668	361,521	180,761	1,661,364
(14)	Training & Loss Prevention Services	6,000	6,180	6,365	6,556	3,377	28,478
(15)	Other Legal and Litigation Costs	50,000	51,500	53,045	54,636	28,138	237,319
(16)	Other Contract Administrative Costs	417,600	430,128	443,032	456,323	235,006	1,982,089
(17)	Audit	29,690	30,581	31,498	32,443	16,708	140,920
(18)	Actuarial Analyses	16,350	16,350	16,350	16,350	8,175	73,575
(19)	Department of Revenue	65,232	67,189	69,205	71,281	36,710	309,616
(20)	Attorney General's Office	56,932	58,640	60,399	62,211	32,039	270,221
(21)	PSTIF Board/Staff	534,368	550,399	566,911	583,918	300,718	2,536,314
(22)	Department of Natural Resources	2,747,477	2,829,901	2,914,798	3,002,242	1,546,155	13,040,574
(23)	Total Administrative Expenses	6,452,756	6,593,037	6,662,980	6,799,260	3,195,450	29,703,482
	Claim Payments Fiscal Year:	2027	2028	2029	2030	2031 (1/2)	Totals
(24)	Average / Expected	11,293,429	10,850,775	11,180,332	10,749,213	6,106,295	50,180,044
(25)	50th Percentile Losses	11,174,916	10,733,354	11,056,998	10,629,574	6,038,401	49,633,242
(26)	75th Percentile Losses	12,670,287	12,178,722	12,535,724	12,031,527	6,832,852	56,249,112
(27)	90th Percentile Losses	14,105,187	13,574,659	13,973,304	13,404,270	7,619,249	62,676,668
(28)	95th Percentile Losses	14,997,438	14,439,745	14,863,717	14,252,594	8,102,456	66,655,950
(29)	99th Percentile Losses	16,875,776	16,245,140	16,711,430	16,015,322	9,096,259	74,943,927
(30)	Cash balance @ 6/30/26	55,328,096					
	Funds Available at Fiscal Year-End:	2027	2028	2029	2030	2031 (1/2)	
(31)	Average / Expected	58,391,736	60,815,823	62,831,567	65,125,451	65,736,044	
(32)	50th Percentile	58,510,249	61,051,758	63,190,837	65,604,359	66,282,847	
(33)	75th Percentile	57,014,878	58,111,018	58,771,370	59,782,939	59,666,976	
(34)	90th Percentile	55,579,978	55,280,182	54,502,954	54,141,780	53,239,420	
(35)	95th Percentile	54,687,727	53,522,844	51,855,203	50,645,705	49,260,138	
(36)	99th Percentile	52,809,389	49,839,111	46,323,758	43,351,531	40,972,161	

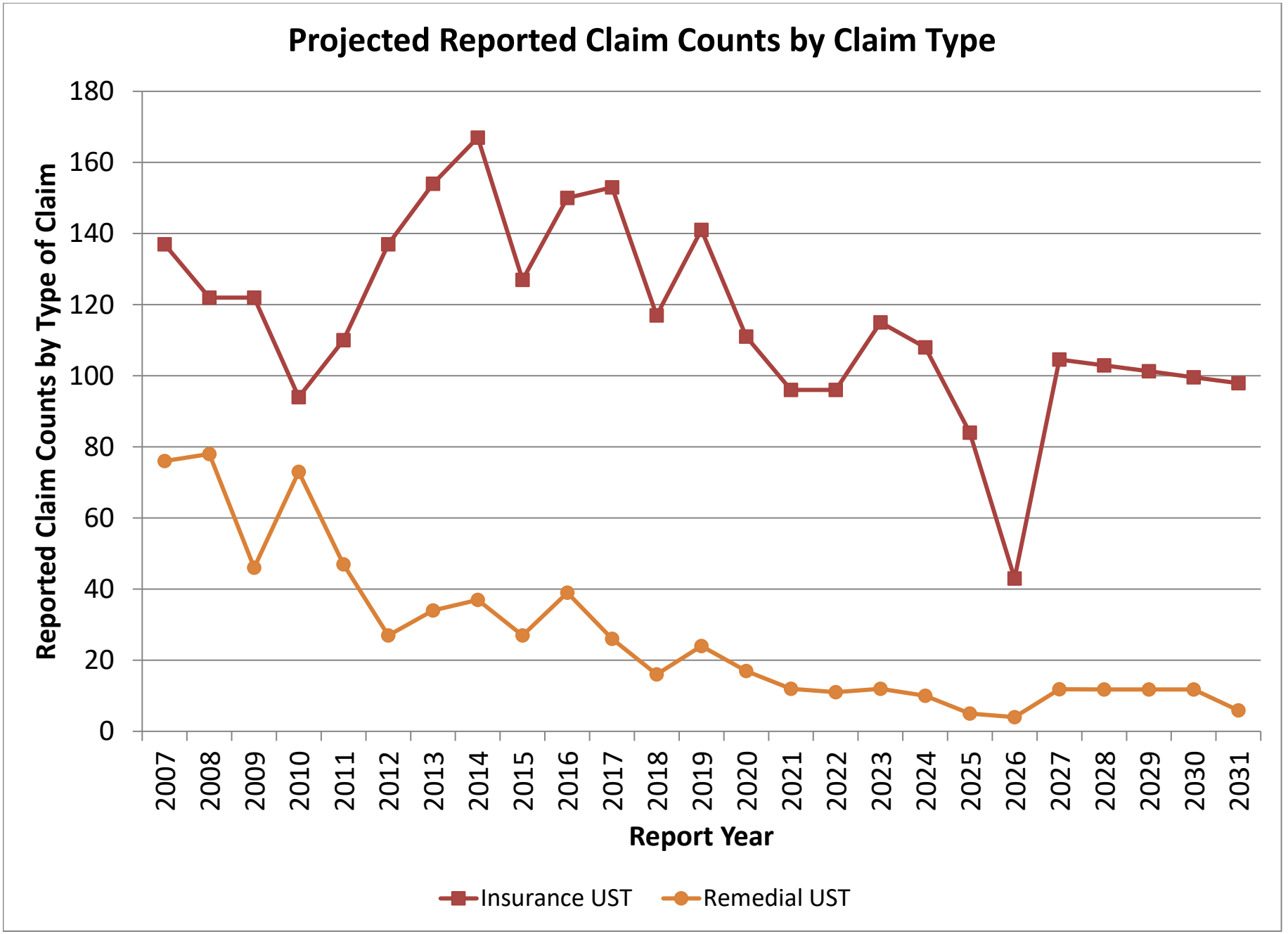
Notes: Rows (1) through (22) from Financial Projections provided by PSTIF with some minor differences due to rounding.

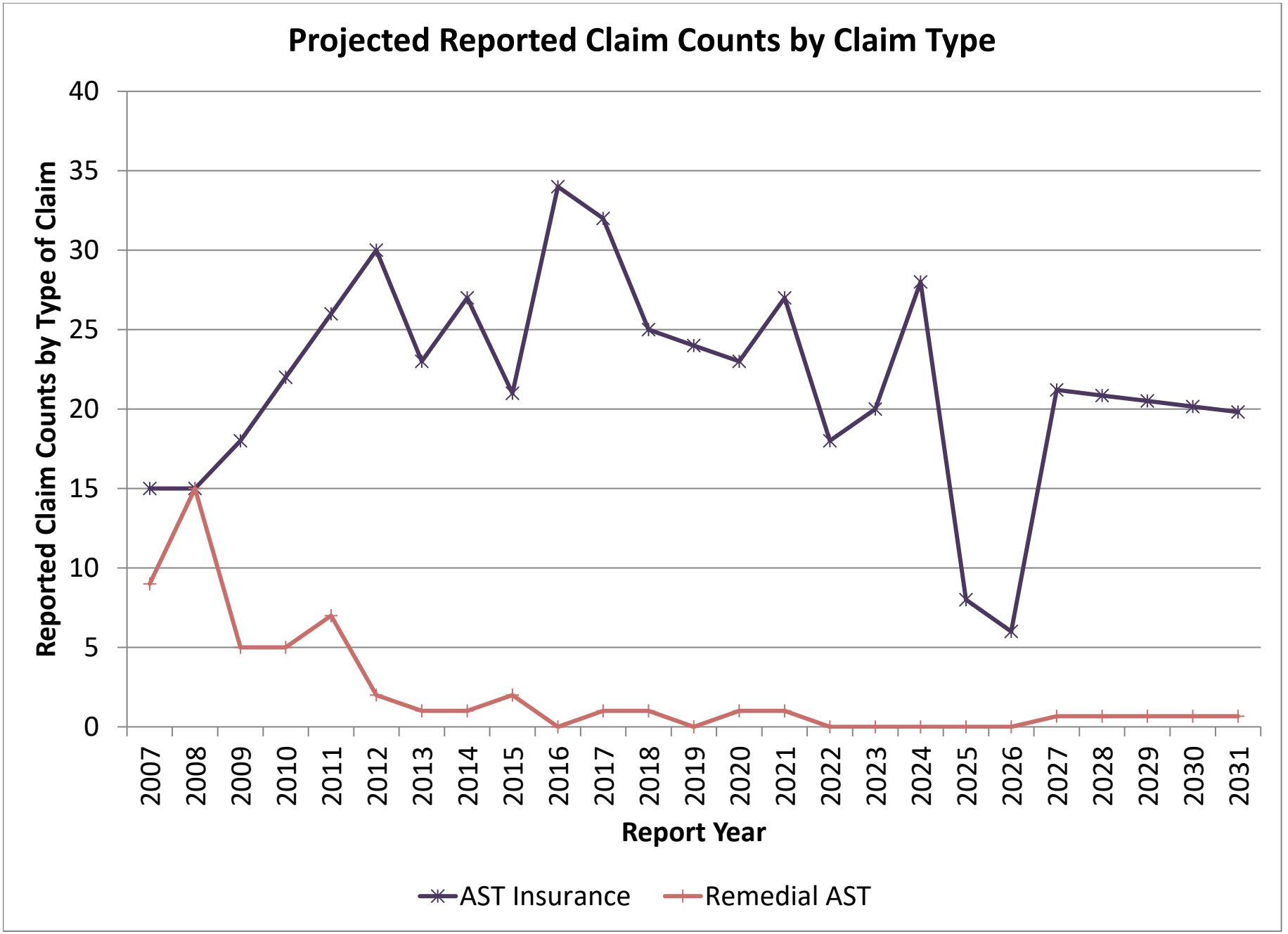
Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Financial Projection Cash Flow Detail

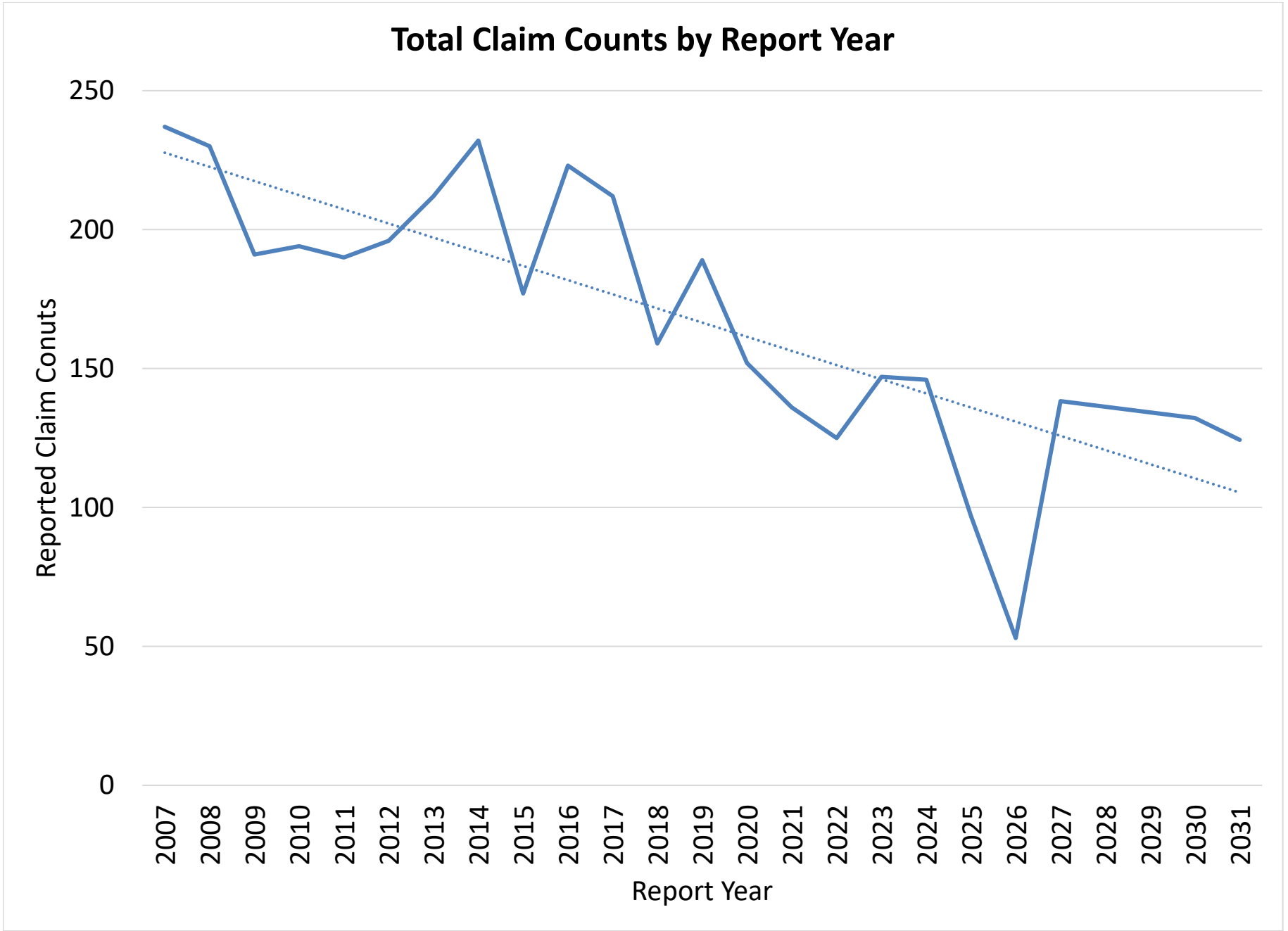
	(A)	(B)	(C)	(D)	(E)	(F)	(G)
Claim Payments Arising from Current Reserves (Report Years 2026 and Prior)							
		2027	2028	2029	2030	2031 (1/2)	Totals
(1)	50th Percentile Losses	10,395,458	9,156,484	8,342,881	6,942,783	3,035,196	37,872,803
(2)	75th Percentile Losses	11,783,243	10,390,753	9,467,579	7,865,678	3,434,584	42,941,836
(3)	90th Percentile Losses	13,108,072	11,571,424	10,543,651	8,749,590	3,817,961	47,790,698
(4)	95th Percentile Losses	13,933,639	12,305,678	11,212,709	9,298,947	4,055,876	50,806,848
(5)	99th Percentile Losses	15,683,568	13,853,941	12,622,050	10,469,697	4,568,450	57,197,706
(6)	Mean	10,505,133	9,254,594	8,432,301	7,016,940	3,067,781	38,276,749

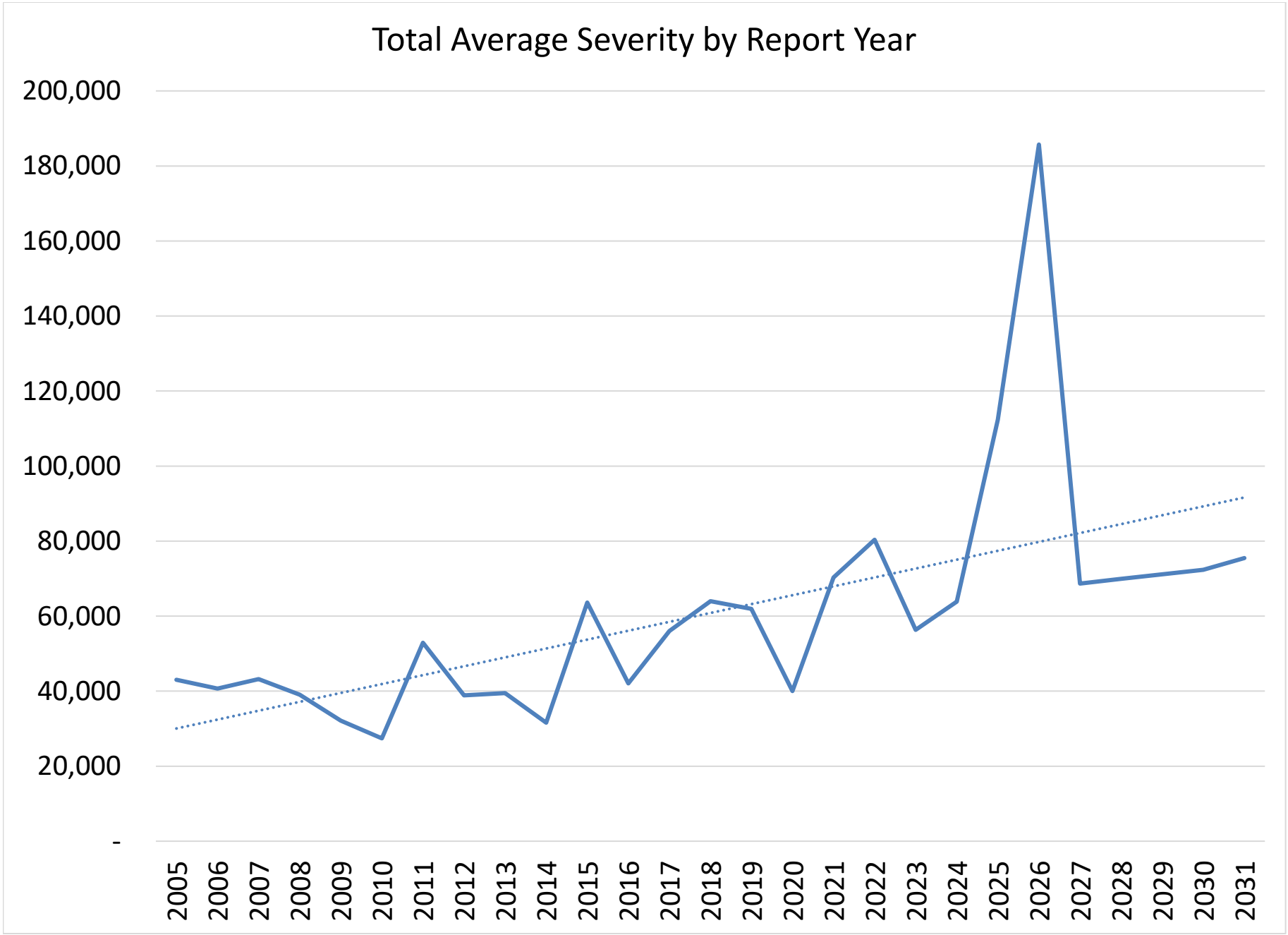
Claim Payments Arising from Future Claims (Report Years 2027 through 12/31/2031)							
		2027	2028	2029	2030	2031 (1/2)	Totals
(7)	50th Percentile Losses	779,458	1,576,869	2,714,116	3,686,791	1,991,919	10,749,153
(8)	75th Percentile Losses	887,044	1,787,969	3,068,146	4,165,850	2,247,946	12,156,954
(9)	90th Percentile Losses	997,115	2,003,235	3,429,653	4,654,680	2,508,851	13,593,532
(10)	95th Percentile Losses	1,063,799	2,134,067	3,651,009	4,953,648	2,668,339	14,470,862
(11)	99th Percentile Losses	1,192,208	2,391,199	4,089,379	5,545,625	2,985,212	16,203,623
(12)	Mean	788,297	1,596,181	2,748,031	3,732,272	2,016,395	10,881,176

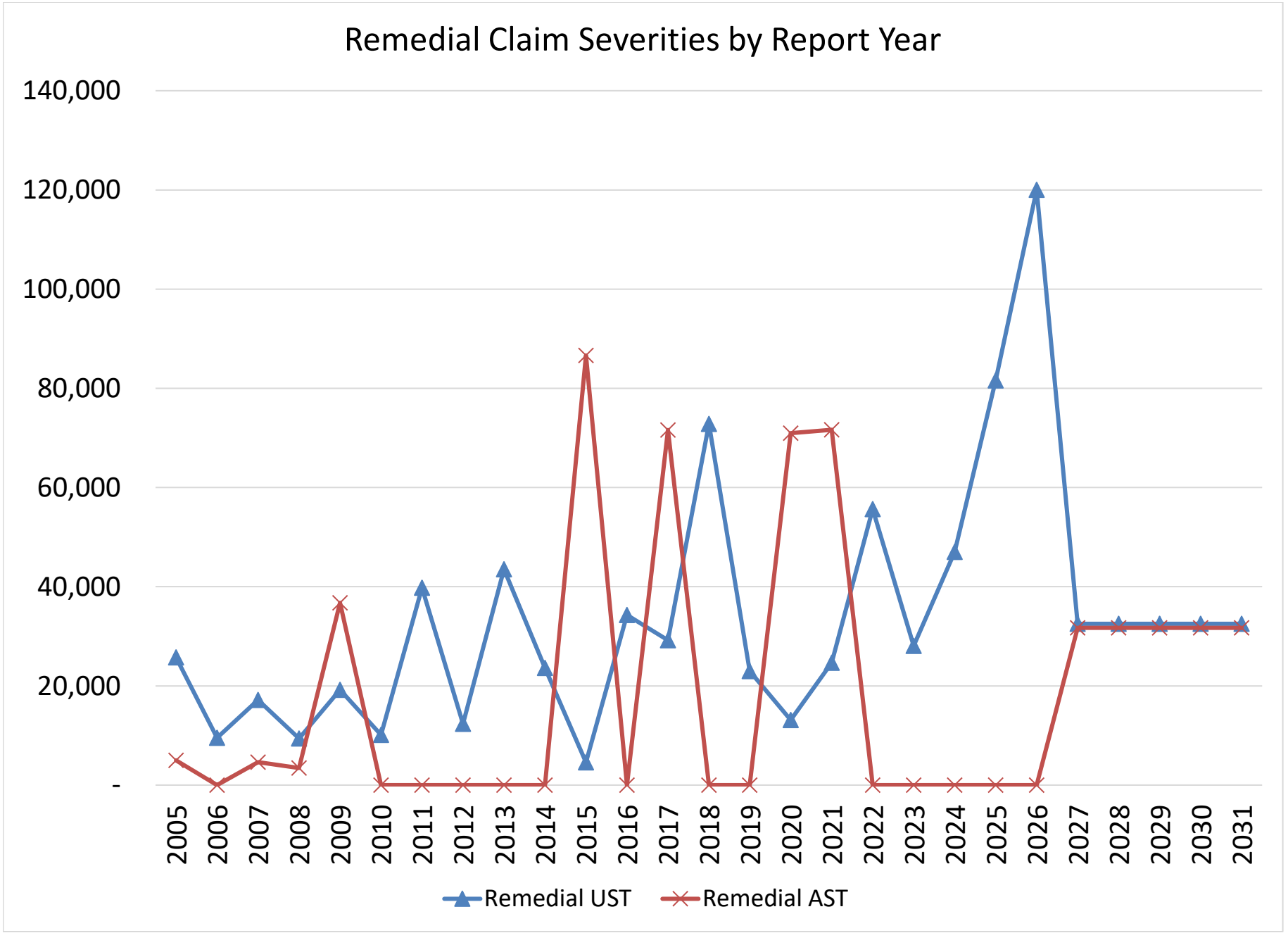
Total Projected Claim Payments							
		2027	2028	2029	2030	2031 (1/2)	Totals
(13)	50th Percentile Losses	11,174,916	10,733,354	11,056,998	10,629,574	5,027,115	48,621,956
(14)	75th Percentile Losses	12,670,287	12,178,722	12,535,724	12,031,527	5,682,529	55,098,790
(15)	90th Percentile Losses	14,105,187	13,574,659	13,973,304	13,404,270	6,326,811	61,384,231
(16)	95th Percentile Losses	14,997,438	14,439,745	14,863,717	14,252,594	6,724,215	65,277,710
(17)	99th Percentile Losses	16,875,776	16,245,140	16,711,430	16,015,322	7,553,662	73,401,330
(18)	Mean	11,293,429	10,850,775	11,180,332	10,749,213	5,084,176	49,157,925

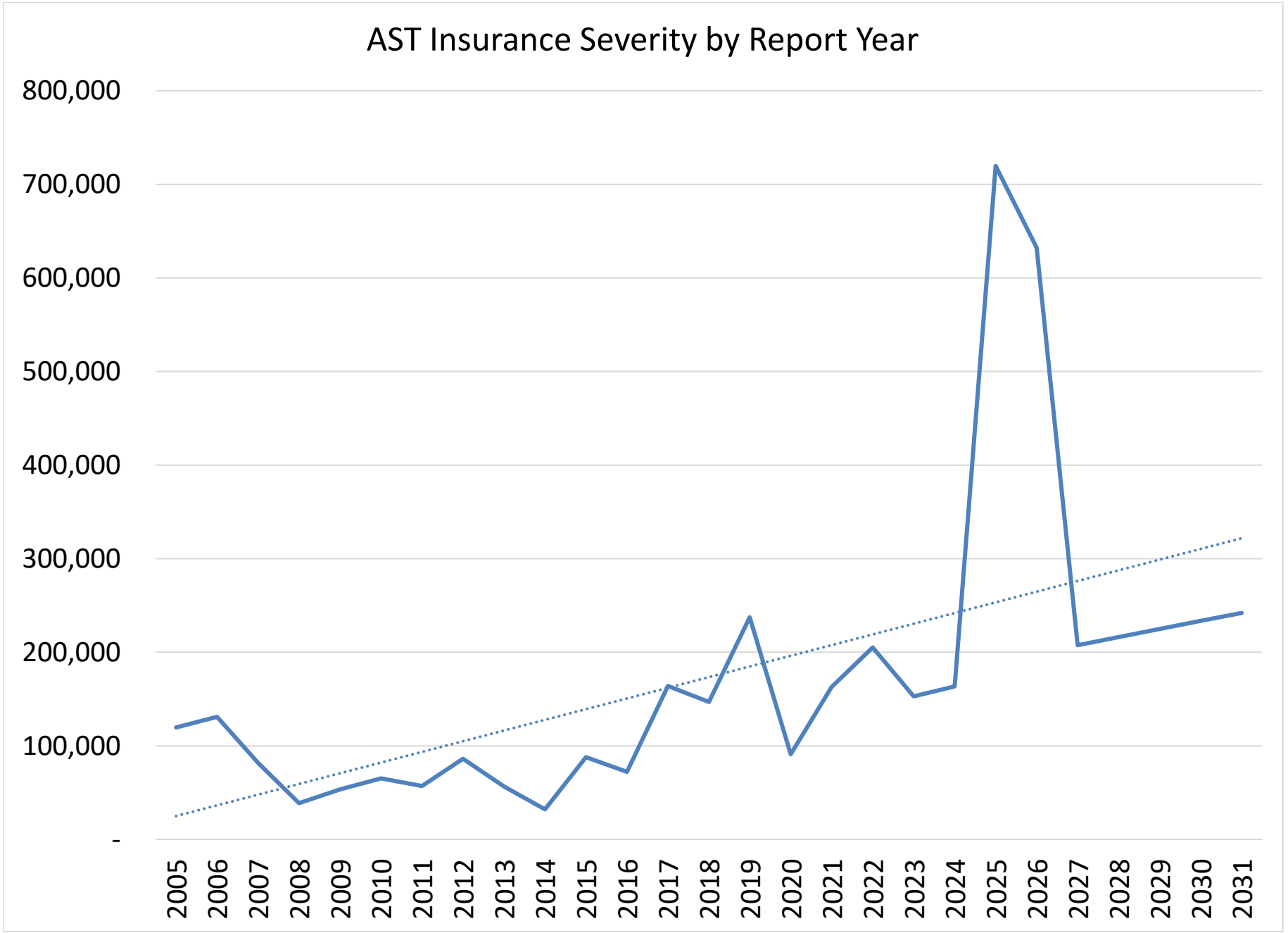

Projected Reported Claim Counts by Claim Type
Reported Claim Counts by Type of Claim
180
160
140
120
100
80
60
40
20
0
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
Report Year
Insurance UST
Remedial UST

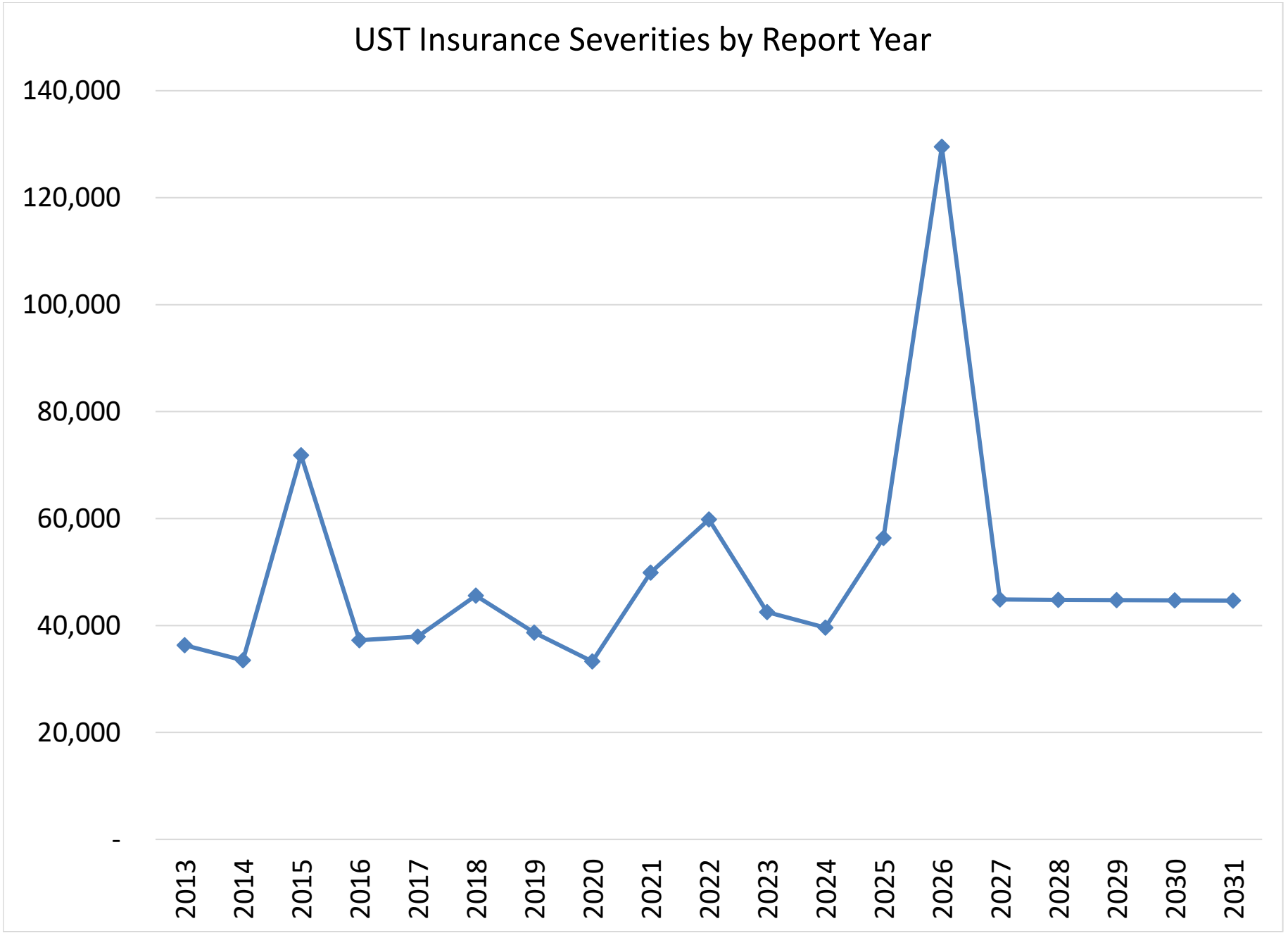

Projected Reported Claim Counts by Claim Type
Reported Claim Counts by Type of Claim
40
35
30
25
20
15
10
5
0
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
Report Year
AST Insurance
Remedial AST


Total Claim Counts by Report Year
Reported Claim Conuts
250
200
150
100
50
0
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
Report Year


Total Average Severity by Report Year
200,000
180,000
160,000
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031


Remedial Claim Severities by Report Year
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
Remedial UST
Remedial AST


AST Insurance Severity by Report Year
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
-
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031


UST Insurance Severities by Report Year
140,000
120,000
100,000
80,000
60,000
40,000
20,000
-
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST Claims
Projection of Future Frequencies and Severities

(1) RY	(2) UST Policies In Force	(3) Reported Claim Counts	(4) Ultimate Loss Severity	(5) Ultimate Losses
1998		219	47,059	10,305,937
1999		256	49,215	12,599,045
2000		176	67,627	11,902,306
2001		125	35,504	4,437,941
2002		258	38,230	9,863,467
2003		266	34,897	9,282,501
2004		261	32,878	8,581,142
2005		134	51,293	6,873,235
2006		104	56,019	5,825,935
2007		137	55,956	7,666,003
2008	2,664	122	62,406	7,613,493
2009	2,662	122	33,700	4,111,414
2010	2,622	94	33,445	3,143,844
2011	2,623	110	60,896	6,698,594
2012	2,617	137	34,338	4,704,351
2013	2,603	154	36,310	5,591,760
2014	2,573	167	33,504	5,595,184
2015	2,530	127	71,817	9,120,802
2016	2,509	150	37,228	5,584,194
2017	2,489	153	37,937	5,804,390
2018	2,487	117	45,595	5,334,572
2019	2,413	141	38,674	5,453,015
2020	2,408	111	33,272	3,693,222
2021	2,405	96	49,903	4,790,671
2022	2,371	96	59,821	5,742,797
2023	2,347	115	42,512	4,888,849
2024	2,319	108	39,598	4,276,541
2025	2,337	84	56,364	4,734,580
2026	2,254	43	129,514	5,569,090
2027	2,269	105	44,852	4,690,270
2028	2,248	103	44,805	4,610,956
2029	2,227	101	44,759	4,531,796
2030	2,205	100	44,712	4,452,791
2031	2,184	49	44,666	2,186,970

Notes: Future RYs for Cols (2), (6), (7), and (8) are linearly interpolated against
Future RYs for Cols (3), (4), and (5) are linearly interpolated against Col (
Col (9) = (3) x (6); Col (10) = (4) x (7); Col (11) = (5) x (8).

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST Claims
Projection of Future Frequencies and Severities

(1) RY	(2) AST Policies In Force	(3) Reported Claim Counts	(4) Ultimate Loss Severity	(5) Ultimate Losses
1998		7	68,292	478,042
1999		13	206,864	2,689,230
2000		24	49,825	1,195,793
2001		37	180,422	6,675,614
2002		41	49,955	2,048,171
2003		48	33,498	1,607,917
2004		27	124,992	3,374,777
2005		18	119,638	2,153,485
2006		18	130,995	2,357,913
2007		15	81,881	1,228,208
2008	517	15	38,757	581,362
2009	563	18	53,506	963,112
2010	578	22	65,198	1,434,358
2011	810	26	57,000	1,481,994
2012	975	30	86,189	2,585,656
2013	1,003	23	56,522	1,300,000
2014	1,030	27	32,106	866,855
2015	1,021	21	87,919	1,846,293
2016	1,010	34	72,127	2,452,334
2017	1,005	32	163,991	5,247,717
2018	999	25	146,802	3,670,046
2019	989	24	237,423	5,698,152
2020	978	23	91,050	2,094,157
2021	965	27	163,093	4,403,504
2022	942	18	205,105	3,691,883
2023	914	20	152,890	3,057,796
2024	892	28	163,351	4,573,818
2025	886	8	719,594	5,756,752
2026	861	6	632,231	3,793,387
2027	865	21	207,596	4,402,010
2028	850	21	216,204	4,509,432
2029	836	21	224,811	4,610,873
2030	822	20	233,419	4,706,335
2031	808	10	242,027	2,397,908

Notes: Future RYs for Col (2) are increased by a decreasing percentage to a maximum of 1,027 based on assumptions from PSTIF.
Future RYs for Col (3) are linearly interpolated against Col (2).
Col (5) = (3) x (4).

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial Claims
Projection of Future Frequencies and Severities

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
	Potential Sites		Reported Claim Counts		% Reported on Prev. Year		Ultimate Loss Severity		Ultimate Loss	
RY	UST	AST	UST	AST	UST	AST	UST	AST	UST	AST
1998	15,479	2,402	319	12			59,247	55,219	18,899,919	662,628
1999	14,166	2,399	382	10	2.47%	0.42%	23,696	116,038	9,051,963	1,160,375
2000	13,952	2,399	561	51	3.96%	2.13%	29,843	104,380	16,741,766	5,323,364
2001	13,633	2,387	351	206	2.52%	8.59%	8,734	12,484	3,065,532	2,571,645
2002	13,255	2,376	133	20	0.98%	0.84%	24,355	11,975	3,239,172	239,493
2003	12,696	2,327	45	5	0.34%	0.21%	25,476	111,045	1,146,436	555,224
2004	12,354	2,123	89	13	0.70%	0.56%	26,615	157,384	2,368,753	2,045,997
2005	12,228	2,105	109	16	0.88%	0.75%	25,741	4,990	2,805,787	79,838
2006	12,189	2,101	81	17	0.66%	0.81%	9,544	-	773,069	-
2007	12,129	2,088	76	9	0.62%	0.43%	17,184	4,639	1,305,948	41,750
2008	12,021	2,055	78	15	0.64%	0.72%	9,418	3,452	734,588	51,787
2009	11,975	2,050	46	5	0.38%	0.24%	19,228	36,731	884,492	183,657
2010	11,902	2,045	73	5	0.61%	0.24%	10,143	-	740,434	-
2011	11,855	2,038	47	7	0.39%	0.34%	39,792	-	1,870,247	-
2012	11,828	2,036	27	2	0.23%	0.10%	12,344	-	333,280	-
2013	11,794	2,035	34	1	0.29%	0.05%	43,518	-	1,479,613	-
2014	11,757	2,034	37	1	0.31%	0.05%	23,634	-	874,465	-
2015	11,730	2,032	27	2	0.23%	0.10%	4,579	86,642	123,642	173,284
2016	11,691	2,032	39	-	0.33%	0.00%	34,312	-	1,338,155	-
2017	11,665	2,031	26	1	0.22%	0.05%	29,226	71,602	759,868	71,602
2018	11,649	2,030	16	1	0.14%	0.05%	72,840	-	1,165,437	-
2019	11,625	2,030	24	-	0.21%	0.00%	22,996	-	551,908	-
2020	11,608	2,029	17	1	0.15%	0.05%	13,110	70,981	222,872	70,981
2021	11,596	2,028	12	1	0.10%	0.05%	24,665	71,637	295,974	71,637
2022	11,585	2,028	11	-	0.09%	0.00%	55,655	-	612,202	-
2023	11,573	2,028	12	-	0.10%	0.00%	28,078	-	336,933	-
2024	11,563	2,028	10	-	0.09%	0.00%	47,017	-	470,172	-
2025	11,558	2,028	5	-	0.04%	0.00%	81,611	-	408,053	-
2026	11,554	2,028	4	-	0.03%	0.00%	120,028	-	480,113	-
2027	11,542	2,027	12	1	0.10%	0.03%	32,504	31,696	384,166	21,072
2028	11,530	2,027	12	1	0.10%	0.03%	32,504	31,696	383,773	21,065
2029	11,519	2,026	12	1	0.10%	0.03%	32,504	31,696	383,380	21,058
2030	11,507	2,025	12	1	0.10%	0.03%	32,504	31,696	382,988	21,051
2031	11,504	2,025	3	0	0.05%	0.02%	32,504	31,696	95,649	10,522

Notes: Future RYs for Cols (2) and (3) are [prior year sites] x (1 - [% reported from col (6) or (7)])
Future RYs for Cols (4) and (5) are the change in Cols (2) and (3), respectively.
Future RYs for Cols (6) and (7) are rolling average of prior 10 years.
Future RYs for Cols (8) and (9) are long-term averages from 1999-2022

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
Cash Flow Summary

UNDISCOUNTED VALUE OF CURRENT RESERVES - PAYMENT STREAM

Category	Total	2027	2028	2029	2030	2031	2032	2033	2034	2035	After 2035
Insurance UST - Release	38,909,557	4,876,469	4,473,768	3,809,778	3,309,943	2,852,727	2,481,709	2,127,679	1,934,568	1,781,085	11,261,832
Remedial UST	12,671,581	1,605,261	1,296,842	1,159,667	1,017,452	957,968	912,135	885,625	824,909	815,498	3,196,223
Insurance AST	28,104,078	3,471,818	2,991,115	2,730,496	2,338,218	2,054,303	1,756,861	1,651,889	1,460,368	1,247,784	8,401,225
Remedial AST	1,624,872	534,285	535,299	494,277	9,058	10,891	5,837	4,976	4,410	3,898	21,940
Total	81,310,088	10,487,833	9,297,024	8,194,218	6,674,672	5,875,890	5,156,542	4,670,169	4,224,256	3,848,265	22,881,219
Percent of Current Total Paid by Year - Undiscounted	100.0%	12.9%	11.4%	10.1%	8.2%	7.2%	6.3%	5.7%	5.2%	4.7%	28.1%

DISCOUNTED VALUE OF CURRENT RESERVES - PAYMENT STREAM

Category	Total	2027	2028	2029	2030	2031	2032	2033	2034	2035	After 2035
Insurance UST - Release	35,211,461	4,840,301	4,374,964	3,670,579	3,141,878	2,667,860	2,286,586	1,931,420	1,730,170	1,569,362	8,998,341
Remedial UST	11,549,326	1,593,356	1,268,201	1,117,296	965,790	895,888	840,419	803,934	737,753	718,557	2,608,131
Insurance AST	25,303,143	3,446,069	2,925,055	2,630,731	2,219,494	1,921,177	1,618,729	1,499,518	1,306,072	1,099,456	6,636,842
Remedial AST	1,584,359	530,322	523,476	476,218	8,598	10,186	5,378	4,517	3,944	3,435	18,285
Total	73,648,290	10,410,048	9,091,696	7,894,823	6,335,761	5,495,111	4,751,112	4,239,389	3,777,939	3,390,811	18,261,599
Percent of Current Total Paid by Year - Discounted	100.0%	14.1%	12.3%	10.7%	8.6%	7.5%	6.5%	5.8%	5.1%	4.6%	24.8%

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
ALAE Provision

(1) F / RY	(2) FY PAID LOSS	(3) FY PAID ALAE	(4) ALAE PER PAID LOSS	(5) RY CASE RESERVE	(6) RY IBNR	(7) RY ALAE UNPAID
1994				216,366	-	21,637
1995				32,452	-	3,245
1996				3,954,255	-	395,426
1997				440,585	-	44,059
1998				1,852,728	10,290	186,302
1999				858,817	27,544	88,636
2000				2,665,713	123,381	278,909
2001				1,503,211	53,837	155,705
2002				620,011	183,162	80,317
2003				623,859	175,950	79,981
2004				1,359,657	223,133	158,279
2005				1,655,887	218,814	187,470
2006				382,500	233,143	61,564
2007				260,035	358,110	61,814
2008				322,127	392,738	71,486
2009				327,431	263,966	59,140
2010				918,402	250,791	116,919
2011				1,563,508	639,953	220,346
2012				44,814	440,244	48,506
2013				667,487	766,091	143,358
2014				1,250,679	631,747	188,243
2015				1,112,746	1,160,284	227,303
2016				1,943,986	797,468	274,145
2017				2,089,762	1,471,546	356,131
2018	13,127,399	2,255,802	0.172	1,744,213	1,417,171	316,138
2019	14,820,330	2,133,982	0.144	1,544,885	2,061,458	360,634
2020	12,260,319	1,905,932	0.155	1,196,751	1,553,254	275,000
2021	8,741,496	1,652,193	0.189	1,525,070	2,558,129	408,320
2022	8,981,440	1,717,243	0.191	1,669,899	2,938,153	460,805
2023	10,252,864	1,710,825	0.167	1,579,741	3,171,977	475,172
2024	10,256,319	1,647,555	0.161	2,040,737	4,683,539	672,428
2025	11,834,670	1,575,834	0.133	4,268,216	4,132,153	840,037
2026	11,383,451	1,032,999	0.091	1,610,865	6,524,668	813,553
TOTAL ALL YEARS	101,658,288	15,632,365	0.154	43,847,393	37,462,694	8,131,009

Wtd. Average 2015-2023	0.166
Wtd. Average 2015-2025	0.154
Straight Average All Years	0.156
Weighted Average All Years	0.154

SELECTED RATIO	**0.100**

Notes:
Col (4) = (3) / (2)
Col (7) = [(5) + (6)] x Selected Ratio

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
All Claim Types
ULAE Provision

(1) FISCAL YEAR	(2) CONTRACTED FUND ADMIN FEES	(3) FY PAID LOSS	(4) AVERAGE FEES PER CY PAID
2006	2,171,822	12,847,713	0.169
2007	2,315,357	12,185,369	0.190
2008	2,343,088	15,806,387	0.148
2009	2,592,212	16,148,518	0.161
2010	2,467,177	14,134,856	0.175
2011	2,389,062	11,632,025	0.205
2012	2,391,621	12,461,529	0.192
2013	2,282,762	10,845,847	0.210
2014	2,337,283	10,116,592	0.231
2015	2,405,627	12,588,056	0.191
2016	2,441,334	13,762,021	0.177
2017	2,493,994	15,115,087	0.165
2018	2,382,243	13,127,399	0.181
2019	2,306,520	14,820,330	0.156
2020	2,126,832	12,260,319	0.173
2021	1,933,281	8,741,496	0.221
2022	2,121,690	8,981,440	0.236
2023	2,110,722	10,252,864	0.206
2024	2,069,056	10,256,319	0.202
2025	2,038,330	11,834,670	0.172
2026	2,001,530	11,383,451	0.176
Total	47,721,543	259,302,288	0.184

(7) 3-Year Average	0.183
(8) 5-Year Average	0.198
(9) 10-Year ex. Hi/Lo	0.187
(10) Selected	0.198
(11) [Case O/S + IBNR] x 70%	56,917,061
(12) ULAE IBNR = (10) x (11)	11,291,135
(13) Discount	1,063,956
(14) Discounted ULAE IBNR = (12) - (13)	10,227,178

Note: Column (2) historical expenses adjusted based on new R&A levels
Total row in Column (4) reflects a weighted average.

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Summary of Paid Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	PAID LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	4,746,292	4,529,926	4,746,292	216,366	-	216,366
1995	4,263,652	4,159,661	4,192,113	32,452	71,539	103,992
1996	8,674,866	7,652,167	8,674,866	1,022,699	-	1,022,699
1997	10,487,950	10,232,147	10,301,941	69,795	186,009	255,804
1998	10,295,647	9,281,023	10,295,647	1,014,624	-	1,014,624
1999	12,659,855	12,351,078	12,571,501	220,423	88,354	308,777
2000	11,824,918	11,500,684	11,778,925	278,241	45,993	324,234
2001	4,456,283	4,324,061	4,384,103	60,043	72,180	132,222
2002	9,680,304	9,258,733	9,680,304	421,571	-	421,571
2003	9,106,551	8,667,528	9,106,551	439,023	-	439,023
2004	8,465,047	8,126,714	8,358,009	231,295	107,038	338,334
2005	6,671,828	5,721,870	6,671,828	949,959	-	949,959
2006	5,841,251	5,526,926	5,604,362	77,435	236,889	314,325
2007	7,540,884	7,089,213	7,340,498	251,285	200,386	451,671
2008	7,445,942	6,927,628	7,249,755	322,127	196,188	518,314
2009	4,049,340	3,732,468	3,893,899	161,431	155,441	316,872
2010	2,953,288	2,529,825	2,953,288	423,463	-	423,463
2011	6,226,351	5,337,867	6,226,351	888,484	-	888,484
2012	4,878,155	4,277,772	4,322,586	44,814	555,569	600,383
2013	5,424,652	4,615,995	5,019,219	403,224	405,433	808,657
2014	5,443,152	4,529,149	5,088,235	559,086	354,917	914,003
2015	9,106,227	7,356,682	8,157,449	800,767	948,778	1,749,545
2016	5,370,753	4,203,470	4,989,665	786,195	381,088	1,167,283
2017	5,862,749	4,455,707	4,804,902	349,195	1,057,848	1,407,043
2018	5,286,118	3,910,962	4,401,512	490,550	884,606	1,375,157
2019	5,735,693	4,084,530	4,299,060	214,530	1,436,632	1,651,163
2020	2,942,532	1,982,515	2,589,434	606,919	353,098	960,017
2021	4,896,504	3,000,062	3,442,692	442,630	1,453,812	1,896,442
2022	6,570,623	3,508,362	3,803,291	294,929	2,767,332	3,062,261
2023	5,092,040	2,329,300	3,147,921	818,621	1,944,119	2,762,740
2024	3,645,280	1,317,940	2,596,400	1,278,461	1,048,880	2,327,340
2025	3,953,262	928,714	2,822,736	1,894,022	1,130,526	3,024,548
2026	8,354,968	1,343,852	1,816,807	472,955	6,538,161	7,011,116
TOTAL	217,952,959	178,794,530	195,332,145	16,537,615	22,620,814	39,158,429

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994	5.542	1.485	2.582	1.373	1.544	1.195	1.327	1.322	1.318	1.063	1.035	1.074	1.045	1.048	1.071	1.060	1.021	1.044	1.036	1.012	1.046	1.015	1.022	1.015	1.004	1.012	1.003	1.010	1.100	1.026	1.007	1.007	1.025
1995	2.646	1.536	1.421	1.289	1.096	1.273	1.390	1.072	1.078	1.195	1.059	1.044	1.036	1.033	1.029	1.019	1.025	1.017	1.010	1.019	1.001	1.009	1.005	1.005	1.000	1.002	1.000	1.000	1.000	1.037	1.011	1.000	1.025
1996	2.070	1.796	1.434	1.811	1.178	1.107	1.091	1.059	1.051	1.065	1.021	1.064	1.051	1.047	1.024	1.031	1.018	1.027	1.032	1.037	1.008	1.013	1.014	1.001	1.006	1.010	1.010	1.011	1.001	1.001	1.000	1.000	1.025
1997	4.595	1.678	1.491	1.261	1.216	1.293	1.199	1.084	1.055	1.104	1.030	1.030	1.046	1.052	1.020	1.019	1.014	1.024	1.012	1.012	1.006	1.008	1.004	1.000	1.003	1.003	1.003	1.002	1.001	1.000	1.000	1.000	1.025
1998	5.091	1.377	1.242	1.290	1.080	1.095	1.061	1.101	1.064	1.097	1.039	1.063	1.062	1.017	1.060	1.024	1.053	1.060	1.021	1.025	1.017	1.012	1.003	1.006	1.001	1.003	1.004	1.003	1.000	1.000	1.000	1.000	1.025
1999	3.252	1.314	1.124	1.183	1.110	1.075	1.073	1.074	1.044	1.055	1.038	1.037	1.040	1.018	1.015	1.019	1.017	1.008	1.009	1.006	1.008	1.004	1.003	1.001	1.000	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2000	3.753	1.269	1.217	1.130	1.160	1.055	1.051	1.066	1.071	1.043	1.019	1.062	1.030	1.014	1.025	1.028	1.022	1.017	1.009	1.040	1.007	1.005	1.004	1.003	1.005	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2001	1.657	1.554	1.255	1.146	1.077	1.082	1.043	1.096	1.028	1.052	1.036	1.022	1.032	1.028	1.027	1.040	1.032	1.026	1.012	1.006	1.002	1.002	1.008	1.007	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2002	3.164	1.407	1.276	1.126	1.210	1.285	1.073	1.069	1.030	1.031	1.045	1.047	1.036	1.039	1.031	1.034	1.017	1.013	1.011	1.002	1.008	1.001	1.007	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2003	2.628	1.457	1.215	1.141	1.130	1.162	1.084	1.053	1.112	1.048	1.045	1.049	1.050	1.036	1.046	1.037	1.026	1.023	1.014	1.009	1.014	1.013	1.007	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2004	5.239	1.477	1.158	1.205	1.189	1.125	1.109	1.074	1.086	1.061	1.053	1.053	1.032	1.057	1.028	1.014	1.013	1.003	1.019	1.009	1.014	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2005	3.123	1.549	1.246	1.100	1.096	1.037	1.055	1.068	1.071	1.068	1.025	1.132	1.046	1.041	1.035	1.016	1.032	1.022	1.007	1.003	1.004	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2006	5.507	1.564	1.257	1.435	1.086	1.127	1.103	1.042	1.061	1.183	1.175	1.105	1.146	1.120	1.005	1.002	1.008	1.009	1.008	1.007	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2007	7.440	1.513	1.138	1.085	1.097	1.062	1.028	1.054	1.108	1.032	1.031	1.030	1.012	1.007	1.006	1.008	1.007	1.005	1.006	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2008	1.960	1.214	1.141	1.207	1.136	1.096	1.105	1.112	1.074	1.066	1.031	1.029	1.028	1.013	1.013	1.016	1.013	1.011	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2009	3.830	1.236	1.168	1.049	1.070	1.043	1.026	1.023	1.017	1.044	1.007	1.005	1.000	1.000	1.000	1.015	1.001	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2010	10.662	1.269	1.288	1.128	1.099	1.055	1.059	1.050	1.048	1.057	1.026	1.044	1.088	1.020	1.016	1.007	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2011	2.970	1.384	1.207	1.176	1.077	1.136	1.060	1.048	1.072	1.068	1.050	1.010	1.010	1.039	1.009	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2012	2.565	1.767	1.281	1.215	1.186	1.087	1.056	1.054	1.036	1.023	1.040	1.026	1.021	1.011	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2013	2.284	1.492	1.376	1.373	1.193	1.070	1.056	1.040	1.019	1.017	1.031	1.033	1.025	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2014	10.130	1.414	1.169	1.097	1.170	1.050	1.020	1.039	1.027	1.029	1.051	1.031	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2015	6.315	1.953	1.178	1.217	1.188	1.054	1.025	1.032	1.018	1.018	1.006	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2016	5.245	1.723	1.342	1.187	1.125	1.137	1.040	1.050	1.034	1.022	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2017	2.162	1.434	1.225	1.135	1.059	1.070	1.047	1.015	1.021	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2018	4.920	1.663	1.240	1.118	1.119	1.096	1.074	1.032	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2019	2.876	1.383	1.147	1.147	1.216	1.095	1.052	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2020	5.358	2.358	1.302	1.295	1.125	1.112	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2021	4.563	1.866	1.495	1.249	1.455	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2022	3.524	1.466	1.286	1.085	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2023	4.566	1.667	1.223	1.167	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2024	4.673	1.937	1.265	1.167	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2025	1.461	1.539	1.265	1.167	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025
2026	1.461	1.539	1.265	1.167	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000	1.025

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	17,096	94,740	140,657	363,222	498,563	769,733	919,989	1,220,528	1,613,104	2,126,591	2,260,661	2,339,131	2,511,891	2,624,502	2,749,645	2,945,809	3,123,138	3,187,462	3,326,205	3,444,820	3,487,075	3,646,390	3,702,345	3,784,907	3,840,951	3,857,753	3,904,428	3,916,773	3,955,065	4,350,126	4,464,554	4,497,996	4,529,926
1995	146,180	386,772	594,154	844,274	1,088,470	1,192,905	1,519,048	2,110,723	2,263,008	2,439,530	2,914,222	3,085,998	3,220,754	3,336,884	3,448,514	3,549,814	3,617,837	3,707,455	3,771,799	3,810,986	3,881,515	3,884,466	3,918,072	3,936,609	3,956,858	3,956,858	3,966,173	3,966,173	3,966,173	4,114,100	4,159,661	4,159,661	4,159,661
1996	309,041	639,853	1,149,120	1,647,482	2,983,041	3,515,401	3,890,633	4,244,733	4,493,524	4,724,180	5,030,352	5,133,662	5,460,377	5,740,873	6,013,397	6,157,923	6,348,496	6,462,167	6,639,303	6,850,048	7,106,504	7,162,455	7,256,694	7,355,193	7,364,183	7,405,362	7,478,187	7,551,848	7,637,825	7,645,828	7,652,167	7,652,167	7,652,167
1997	223,304	1,026,171	1,722,362	2,568,695	3,239,181	3,939,914	5,094,382	6,107,611	6,621,799	6,985,967	7,713,245	7,943,753	8,180,052	8,554,520	8,995,108	9,178,779	9,354,029	9,485,307	9,709,175	9,826,668	9,941,539	10,005,924	10,081,204	10,120,821	10,120,821	10,150,733	10,179,365	10,205,525	10,224,335	10,232,147	10,232,147	10,232,147	10,232,147
1998	322,574	1,642,090	2,261,098	2,808,764	3,622,899	3,914,343	4,286,857	4,549,515	5,010,269	5,329,044	5,844,452	6,074,410	6,458,042	6,855,867	6,971,838	7,390,241	7,570,662	7,970,825	8,447,994	8,628,191	8,842,117	8,994,834	9,103,470	9,127,328	9,182,160	9,194,535	9,223,039	9,256,877	9,281,023	9,281,023	9,281,023	9,281,023	9,281,023
1999	1,144,281	3,721,204	4,889,329	5,497,449	6,502,528	7,218,817	7,761,399	8,331,493	8,950,802	9,342,196	9,860,284	10,237,842	10,614,113	11,036,502	11,231,692	11,404,107	11,619,156	11,819,894	11,914,222	12,026,436	12,101,632	12,195,317	12,239,307	12,277,961	12,289,001	12,289,001	12,313,418	12,351,078	12,351,078	12,351,078	12,351,078	12,351,078	12,351,078
2000	860,451	3,229,407	4,097,326	4,987,743	5,633,856	6,534,131	6,890,557	7,238,979	7,714,724	8,261,206	8,616,572	8,779,442	9,327,543	9,609,245	9,748,235	9,990,614	10,272,219	10,495,913	10,670,537	10,761,863	11,194,486	11,275,718	11,335,372	11,378,636	11,415,245	11,477,126	11,500,684	11,536,506	11,536,506	11,536,506	11,536,506	11,536,506	11,536,506
2001	614,056	1,017,573	1,580,964	1,983,964	2,274,126	2,448,415	2,649,619	2,763,096	3,029,024	3,114,099	3,274,883	3,391,227	3,465,263	3,575,131	3,674,840	3,772,764	3,925,492	4,052,771	4,156,617	4,208,390	4,231,867	4,242,246	4,251,612	4,285,725	4,316,279	4,324,061	4,334,094	4,347,593	4,347,593	4,347,593	4,347,593	4,347,593	4,347,593
2002	572,272	1,810,736	2,548,524	3,252,034	3,661,469	4,430,532	5,692,595	6,110,727	6,534,812	6,732,837	6,940,481	7,249,917	7,590,024	7,861,733	8,170,598	8,422,302	8,706,573	8,856,326	8,967,853	9,068,251	9,089,209	9,160,546	9,168,668	9,234,455	9,258,733	9,280,636	9,302,170	9,331,144	9,331,144	9,331,144	9,331,144	9,331,144	9,331,144
2003	651,408	1,712,088	2,494,587	3,030,439	3,457,282	3,906,778	4,538,964	4,919,972	5,182,688	5,765,080	6,040,604	6,311,992	6,622,418	6,950,367	7,198,145	7,526,680	7,806,493	8,012,900	8,196,136	8,308,971	8,384,029	8,497,401	8,611,103	8,667,528	8,696,975	8,717,549	8,737,776	8,764,992	8,764,992	8,764,992	8,764,992	8,764,992	8,764,992
2004	306,004	1,603,234	2,367,204	2,740,518	3,302,033	3,925,395	4,415,397	4,895,399	5,257,277	5,707,267	6,055,983	6,375,324	6,713,794	6,928,925	7,320,431	7,522,393	7,626,126	7,723,620	7,747,103	7,892,726	7,967,161	8,081,487	8,126,714	8,166,750	8,194,496	8,213,881	8,232,939	8,258,583	8,258,583	8,258,583	8,258,583	8,258,583	8,258,583
2005	414,520	1,294,685	2,005,857	2,498,918	2,748,261	3,012,131	3,123,924	3,295,278	3,519,362	3,767,672	4,025,555	4,124,443	4,670,159	4,885,618	5,083,507	5,260,544	5,345,927	5,519,391	5,638,542	5,678,936	5,698,681	5,721,870	5,759,005	5,787,377	5,807,039	5,820,776	5,834,282	5,852,454	5,852,454	5,852,454	5,852,454	5,852,454	5,852,454
2006	116,526	641,761	1,003,404	1,261,084	1,809,742	1,964,813	2,214,459	2,443,302	2,545,827	2,700,557	3,194,896	3,755,144	4,148,285	4,755,277	5,325,919	5,350,240	5,358,728	5,399,360	5,447,485	5,489,007	5,526,926	5,571,626	5,607,786	5,635,413	5,654,559	5,667,935	5,681,087	5,698,782	5,698,782	5,698,782	5,698,782	5,698,782	5,698,782
2007	315,976	2,350,775	3,556,523	4,047,247	4,392,861	4,816,940	5,113,728	5,256,096	5,538,046	6,135,726	6,334,376	6,532,501	6,730,519	6,811,942	6,859,750	6,904,166	6,960,317	7,010,493	7,046,466	7,089,213	7,135,100	7,192,806	7,239,488	7,275,153	7,299,870	7,317,138	7,334,116	7,356,960	7,356,960	7,356,960	7,356,960	7,356,960	7,356,960
2008	1,035,937	2,030,466	2,464,415	2,813,043	3,394,222	3,854,359	4,223,507	4,668,378	5,190,611	5,572,389	5,940,326	6,127,235	6,305,183	6,482,912	6,568,726	6,653,930	6,762,770	6,849,616	6,927,628	6,999,958	7,045,267	7,102,247	7,148,341	7,183,557	7,207,963	7,225,014	7,241,778	7,264,334	7,264,334	7,264,334	7,264,334	7,264,334	7,264,334
2009	503,404	1,927,874	2,383,290	2,783,150	2,920,682	3,125,757	3,258,714	3,344,245	3,421,835	3,478,929	3,631,942	3,655,802	3,672,267	3,672,267	3,672,267	3,727,034	3,732,468	3,767,464	3,806,799	3,831,440	3,862,427	3,887,495	3,906,646	3,919,919	3,929,192	3,938,309	3,950,576	3,950,576	3,950,576	3,950,576	3,950,576	3,950,576	3,950,576
2010	74,057	789,592	1,001,879	1,290,566	1,456,185	1,600,384	1,688,952	1,788,315	1,877,225	1,967,927	2,079,512	2,134,275	2,227,799	2,424,112	2,472,696	2,511,891	2,529,825	2,563,653	2,587,689	2,614,707	2,631,631	2,652,915	2,670,133	2,683,287	2,692,403	2,698,772	2,705,034	2,713,460	2,713,460	2,713,460	2,713,460	2,713,460	2,713,460
2011	523,558	1,555,002	2,151,692	2,596,236	3,054,284	3,288,333	3,735,739	3,958,254	4,150,222	4,450,929	4,752,721	4,992,101	5,039,709	5,091,112	5,287,906	5,337,867	5,402,142	5,474,377	5,525,705	5,583,398	5,619,538	5,664,987	5,701,753	5,729,843	5,749,309	5,762,910	5,776,282	5,794,273	5,794,273	5,794,273	5,794,273	5,794,273	5,794,273
2012	361,680	927,719	1,639,460	2,099,445	2,551,576	3,025,903	3,290,302	3,475,939	3,663,109	3,795,818	3,882,907	4,039,765	4,144,176	4,229,687	4,277,772	4,384,303	4,437,096	4,496,426	4,538,585	4,585,972	4,615,656	4,652,985	4,683,183	4,706,255	4,722,244	4,733,415	4,744,398	4,759,176	4,759,176	4,759,176	4,759,176	4,759,176	4,759,176
2013	452,992	1,034,605	1,543,661	2,123,531	2,914,767	3,477,049	3,719,016	3,925,452	4,084,146	4,159,728	4,228,930	4,360,998	4,505,507	4,615,995	4,757,008	4,875,474	4,934,181	5,000,159	5,047,040	5,099,735	5,132,745	5,174,257	5,207,838	5,233,494	5,251,275	5,263,697	5,275,910	5,292,343	5,292,343	5,292,343	5,292,343	5,292,343	5,292,343
2014	165,409	1,675,572	2,370,087	2,769,301	3,037,715	3,553,508	3,730,295	3,805,070	3,955,259	4,062,869	4,181,232	4,394,649	4,529,149	4,631,737	4,773,231	4,892,100	4,951,008	5,017,211	5,064,252	5,117,127	5,150,249	5,191,902	5,225,598	5,251,342	5,269,183	5,281,648	5,293,903	5,310,392	5,310,392	5,310,392	5,310,392	5,310,392	5,310,392
2015	301,355	1,903,143	3,717,345	4,379,876	5,330,425	6,331,431	6,670,629	6,835,967	7,058,095	7,182,445	7,313,632	7,356,682	7,577,128	7,748,755	7,985,470	8,184,335	8,282,886	8,393,640	8,472,339	8,560,798	8,616,210	8,685,895	8,742,266	8,785,335	8,815,182	8,836,036	8,856,538	8,884,124	8,884,124	8,884,124	8,884,124	8,884,124	8,884,124
2016	197,948	1,038,163	1,788,981	2,400,865	2,849,278	3,204,028	3,643,445	3,789,285	3,979,497	4,112,937	4,203,470	4,338,890	4,468,907	4,570,131	4,709,743	4,827,031	4,885,155	4,950,477	4,996,893	5,049,064	5,081,746	5,122,845	5,156,093	5,181,494	5,199,098	5,211,397	5,223,489	5,239,759	5,239,759	5,239,759	5,239,759	5,239,759	5,239,759
2017	841,323	1,818,685	2,607,595	3,193,700	3,623,822	3,839,151	4,106,533	4,298,929	4,365,399	4,455,707	4,588,536	4,736,361	4,878,288	4,988,785	5,141,186	5,269,219	5,332,668	5,403,974	5,454,642	5,511,593	5,547,268	5,592,132	5,628,425	5,656,154	5,675,370	5,688,796	5,701,995	5,719,756	5,719,756	5,719,756	5,719,756	5,719,756	5,719,756
2018	253,523	1,247,450	2,075,096	2,572,312	2,876,702	3,218,826	3,527,552	3,789,283	3,910,962	4,017,466	4,137,230	4,270,516	4,398,484	4,498,113	4,635,525	4,750,965	4,808,173	4,872,466	4,918,150	4,969,499	5,001,666	5,042,118	5,074,841	5,099,842	5,117,169	5,129,274	5,141,175	5,157,189	5,157,189	5,157,189	5,157,189	5,157,189	5,157,189
2019	556,753	1,601,189	2,214,647	2,540,394	2,914,395	3,544,494	3,882,599	4,084,530	4,243,582	4,359,143	4,489,093	4,633,716	4,772,567	4,880,669	5,029,767	5,155,025	5,217,099	5,286,860	5,336,429	5,392,146	5,427,048	5,470,940	5,506,447	5,533,574	5,552,374	5,565,509	5,578,423	5,595,798	5,595,798	5,595,798	5,595,798	5,595,798	5,595,798
2020	74,341	398,295	939,177	1,223,197	1,584,527	1,782,803	1,982,515	2,095,451	2,177,047	2,236,333	2,303,000	2,377,194	2,448,428	2,503,887	2,580,377	2,644,637	2,676,482	2,712,271	2,737,701	2,766,285	2,784,191	2,806,708	2,824,924	2,838,841	2,848,486	2,855,224	2,861,849	2,870,763	2,870,763	2,870,763	2,870,763	2,870,763	2,870,763
2021	129,624	591,539	1,104,003	1,650,330	2,061,676	3,000,062	3,298,993	3,486,923	3,622,704	3,721,358	3,832,295	3,955,757	4,074,293	4,166,579	4,293,863	4,400,794	4,453,786	4,513,340	4,555,657	4,603,222	4,633,017	4,670,488	4,700,799	4,723,958	4,740,007	4,751,220	4,762,244	4,777,077	4,777,077	4,777,077	4,777,077	4,777,077	4,777,077
2022	486,650	1,715,109	2,514,460	3,234,215	3,508,362	4,025,786	4,426,921	4,679,105	4,861,309	4,993,693	5,142,560	5,308,234	5,467,297	5,591,136	5,761,938	5,905,429	5,976,539	6,056,454	6,113,240	6,177,067	6,217,050	6,267,331	6,308,007	6,339,083	6,360,619	6,375,666	6,390,460	6,410,364	6,410,364	6,410,364	6,410,364	6,410,364	6,410,364
2023	250,123	1,141,987	1,903,962	2,329,300	2,718,877	3,119,866	3,430,734	3,626,169	3,767,372	3,869,965	3,985,332	4,113,725	4,236,995	4,332,966	4,465,333	4,576,534	4,631,642	4,693,574	4,737,581	4,787,045	4,818,031	4,856,997	4,888,520	4,912,603	4,929,293	4,940,954	4,952,418	4,967,844	4,967,844	4,967,844	4,967,844	4,967,844	4,967,844
2024	145,623	680,503	1,317,940	1,667,495	1,946,385	2,233,444	2,455,987	2,595,895	2,696,979	2,770,423	2,853,012	2,944,926	3,033,172	3,101,875	3,196,634	3,276,241	3,315,691	3,360,027	3,391,531	3,426,941	3,449,123	3,477,018	3,499,584	3,516,825	3,528,773	3,537,121	3,545,328	3,556,370	3,556,370	3,556,370	3,556,370	3,556,370	3,556,370
2025	635,861	928,714	1,429,290	1,808,378	2,110,831	2,422,143	2,663,489	2,815,217	2,924,842	3,004,491	3,094,058	3,193,737	3,289,439	3,363,947	3,466,711	3,553,044	3,595,827	3,643,909	3,678,075	3,716,477	3,740,533	3,770,785	3,795,257	3,813,954	3,826,912	3,835,965	3,844,866	3,856,841	3,856,841	3,856,841	3,856,841	3,856,841	3,856,841
2026	1,343,852	1,962,778	3,020,713	3,821,891	4,461,107	5

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Selection of Loss Development Factors

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396
1994	5.542	1.485	2.582	1.373	1.544	1.195	1.327	1.322	1.318	1.063	1.035	1.074	1.045	1.048	1.071	1.060	1.021	1.044	1.036	1.012	1.046	1.015	1.022	1.015	1.004	1.012	1.003	1.010	1.100	1.026	1.007	1.007
1995	2.646	1.536	1.421	1.289	1.096	1.273	1.390	1.072	1.078	1.195	1.059	1.044	1.036	1.033	1.029	1.019	1.025	1.017	1.010	1.019	1.001	1.009	1.005	1.005	1.000	1.002	1.000	1.000	1.000	1.037	1.011	
1996	2.070	1.796	1.434	1.811	1.178	1.107	1.091	1.059	1.051	1.065	1.021	1.064	1.051	1.047	1.024	1.031	1.018	1.027	1.032	1.037	1.008	1.013	1.014	1.001	1.006	1.010	1.010	1.011	1.001	1.001		
1997	4.595	1.678	1.491	1.261	1.216	1.293	1.199	1.084	1.055	1.104	1.030	1.030	1.046	1.052	1.020	1.019	1.014	1.024	1.012	1.012	1.006	1.008	1.004	1.000	1.003	1.003	1.003	1.002	1.001			
1998	5.091	1.377	1.242	1.290	1.080	1.095	1.061	1.101	1.064	1.097	1.039	1.063	1.062	1.017	1.060	1.024	1.053	1.060	1.021	1.025	1.017	1.012	1.003	1.006	1.001	1.003	1.004	1.003				
1999	3.252	1.314	1.124	1.183	1.110	1.075	1.073	1.074	1.044	1.055	1.038	1.037	1.040	1.018	1.015	1.019	1.017	1.008	1.009	1.006	1.008	1.004	1.003	1.001	1.000	1.002	1.003					
2000	3.753	1.269	1.217	1.130	1.160	1.055	1.051	1.066	1.071	1.043	1.019	1.062	1.030	1.014	1.025	1.028	1.022	1.017	1.009	1.040	1.007	1.005	1.004	1.003	1.005	1.002						
2001	1.657	1.554	1.255	1.146	1.077	1.082	1.043	1.096	1.028	1.052	1.036	1.022	1.032	1.028	1.027	1.040	1.032	1.026	1.012	1.006	1.002	1.002	1.008	1.007	1.002							
2002	3.164	1.407	1.276	1.126	1.210	1.285	1.073	1.069	1.030	1.031	1.045	1.047	1.036	1.039	1.031	1.034	1.017	1.013	1.011	1.002	1.008	1.001	1.007	1.003								
2003	2.628	1.457	1.215	1.141	1.130	1.162	1.084	1.053	1.112	1.048	1.045	1.049	1.050	1.036	1.046	1.037	1.026	1.023	1.014	1.009	1.014	1.013	1.007									
2004	5.239	1.477	1.158	1.205	1.189	1.125	1.109	1.074	1.086	1.061	1.053	1.053	1.032	1.057	1.028	1.014	1.013	1.003	1.019	1.009	1.014	1.006										
2005	3.123	1.549	1.246	1.100	1.096	1.037	1.055	1.068	1.071	1.068	1.025	1.132	1.046	1.041	1.035	1.016	1.032	1.022	1.007	1.003	1.004											
2006	5.507	1.564	1.257	1.435	1.086	1.127	1.103	1.042	1.061	1.183	1.175	1.105	1.146	1.120	1.005	1.002	1.008	1.009	1.008	1.007												
2007	7.440	1.513	1.138	1.085	1.097	1.062	1.028	1.054	1.108	1.032	1.031	1.030	1.012	1.007	1.006	1.008	1.007	1.005	1.006													
2008	1.960	1.214	1.141	1.207	1.136	1.096	1.105	1.112	1.074	1.066	1.031	1.029	1.028	1.013	1.013	1.016	1.013	1.011														
2009	3.830	1.236	1.168	1.049	1.070	1.043	1.026	1.023	1.017	1.044	1.007	1.005	1.000	1.000	1.000	1.015	1.001															
2010	10.662	1.269	1.288	1.128	1.099	1.055	1.059	1.050	1.048	1.057	1.026	1.044	1.088	1.020	1.016	1.007																
2011	2.970	1.384	1.207	1.176	1.077	1.136	1.060	1.048	1.072	1.068	1.050	1.010	1.010	1.039	1.009																	
2012	2.565	1.767	1.281	1.215	1.186	1.087	1.056	1.054	1.036	1.023	1.040	1.026	1.021	1.011																		
2013	2.284	1.492	1.376	1.373	1.193	1.070	1.056	1.040	1.019	1.017	1.031	1.033	1.025																			
2014	10.130	1.414	1.169	1.097	1.170	1.050	1.020	1.039	1.027	1.029	1.051	1.031																				
2015	6.315	1.953	1.178	1.217	1.188	1.054	1.025	1.032	1.018	1.018	1.006																					
2016	5.245	1.723	1.342	1.187	1.125	1.137	1.040	1.050	1.034	1.022																						
2017	2.162	1.434	1.225	1.135	1.059	1.070	1.047	1.015	1.021																							
2018	4.920	1.663	1.240	1.118	1.119	1.096	1.074	1.032																								
2019	2.876	1.383	1.147	1.147	1.216	1.095	1.052																									
2020	5.358	2.358	1.302	1.295	1.125	1.112																										
2021	4.563	1.866	1.495	1.249	1.455																											
2022	3.524	1.466	1.286	1.085																												
2023	4.566	1.667	1.223																													
2024	4.673	1.937																														
2025	1.461																															
VOL WTD 3	2.667	1.622	1.306	1.171	1.269	1.099	1.057	1.032	1.023	1.022	1.025	1.030	1.018	1.025	1.008	1.014	1.008	1.008	1.007	1.007	1.011	1.006	1.007	1.004	1.002	1.002	1.003	1.005	1.001	1.017	1.009	1.007
VOL WTD 5	3.069	1.718	1.265	1.154	1.178	1.100	1.044	1.033	1.023	1.021	1.032	1.026	1.023	1.017	1.009	1.010	1.013	1.009	1.011	1.006	1.009	1.006	1.005	1.003	1.002	1.004	1.004	1.005	1.016	1.017	1.009	1.007
VOL WTD ALL	3.397	1.483	1.234	1.187	1.147	1.106	1.074	1.063	1.058	1.057	1.037	1.046	1.040	1.033	1.025	1.023	1.020	1.019	1.014	1.015	1.010	1.007	1.006	1.003	1.003	1.004	1.004	1.005	1.016	1.017	1.009	1.007
ARITH 3	3.566	1.690	1.335	1.210	1.265	1.101	1.058	1.033	1.024	1.023	1.029	1.030	1.018	1.023	1.008	1.013	1.007	1.008	1.007	1.007	1.011	1.007	1.007	1.004	1.002	1.002	1.003	1.005	1.001	1.021	1.009	1.007
ARITH 5	3.757	1.859	1.291	1.179	1.195	1.102	1.048	1.034	1.024	1.022	1.036	1.029	1.029	1.017	1.009	1.010	1.012	1.010	1.011	1.006	1.008	1.005	1.006	1.004	1.002	1.004	1.004	1.005	1.025	1.021	1.009	1.007
ARITH ALL	4.243	1.555	1.304	1.216	1.160	1.114	1.089	1.069	1.064	1.063	1.041	1.047	1.042	1.034	1.026	1.023	1.020	1.021	1.015	1.014	1.011	1.008	1.008	1.005	1.003	1.005	1.004	1.005	1.025	1.021	1.009	1.007
5 YR HI LO	4.218	1.823	1.271	1.172	1.153	1.101	1.046	1.035	1.022	1.021	1.041	1.030	1.018	1.015	1.010	1.010	1.009	1.008	1.010	1.006	1.008	1.004	1.006	1.004	1.002	1.003	1.003	1.005	1.001	1.026	NA	NA
7 YR HI LO	4.040	1.720	1.255	1.167	1.155	1.085	1.044	1.039	1.027	1.030	1.031	1.026	1.019	1.018	1.010	1.012	1.013	1.012	1.010	1.007	1.008	1.006	1.005	1.003	1.003	1.003	1.003	1.005	1.001	1.026	NA	NA
ALL YR HI LO	4.122	1.539	1.265	1.200	1.149	1.110	1.079	1.061	1.055	1.059	1.036	1.045	1.038	1.031	1.024	1.022	1.019	1.019	1.014	1.013	1.009	1.008	1.006	1.004	1.003	1.004	1.003	1.005	1.001	1.026	NA	NA
SELECTED	1.461	1.539	1.265	1.167	1.147	1.100	1.057	1.039	1.027	1.030	1.032	1.030	1.023	1.031	1.025	1.012	1.013	1.009	1.010	1.006	1.008	1.006	1.005	1.003	1.002	1.002	1.003	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Paid Losses

Development in Months

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384
1994	17,096	94,740	140,657	363,222	498,563	769,733	919,989	1,220,528	1,613,104	2,126,591	2,260,661	2,339,131	2,511,891	2,624,502	2,749,645	2,945,809	3,123,138	3,187,462	3,326,205	3,444,820	3,487,075	3,646,390	3,702,345	3,784,907	3,840,951	3,857,753	3,904,428	3,916,773	3,955,065	4,350,126	4,464,554	4,497,996
1995	146,180	386,772	594,154	844,274	1,088,470	1,192,905	1,519,048	2,110,723	2,263,008	2,439,530	2,914,222	3,085,998	3,220,754	3,336,884	3,448,514	3,549,814	3,617,837	3,707,455	3,771,799	3,810,986	3,881,515	3,884,466	3,918,072	3,936,609	3,956,858	3,956,858	3,966,173	3,966,173	3,966,173	3,966,173	4,114,100	4,159,661
1996	309,041	639,853	1,149,120	1,647,482	2,983,041	3,515,401	3,890,633	4,244,733	4,493,524	4,724,180	5,030,352	5,133,662	5,460,377	5,740,873	6,013,397	6,157,923	6,348,496	6,462,167	6,639,303	6,850,048	7,106,504	7,162,455	7,256,694	7,355,193	7,364,183	7,405,362	7,478,187	7,551,848	7,637,825	7,645,828	7,652,167	
1997	223,304	1,026,171	1,722,362	2,568,695	3,239,181	3,939,914	5,094,382	6,107,611	6,621,799	6,985,967	7,713,245	7,943,753	8,180,052	8,554,520	8,995,108	9,178,779	9,354,029	9,485,307	9,709,175	9,826,668	9,941,539	10,005,924	10,081,204	10,120,821	10,120,821	10,150,733	10,179,365	10,205,525	10,224,335	10,232,147		
1998	322,574	1,642,090	2,261,098	2,808,764	3,622,899	3,914,343	4,286,857	4,549,515	5,010,269	5,329,044	5,844,452	6,074,410	6,458,042	6,855,867	6,971,838	7,390,241	7,570,662	7,970,825	8,447,994	8,628,191	8,842,117	8,994,834	9,103,470	9,127,328	9,182,160	9,194,535	9,223,039	9,256,877	9,281,023			
1999	1,144,281	3,721,204	4,889,329	5,497,449	6,502,528	7,218,817	7,761,399	8,331,493	8,950,802	9,342,196	9,860,284	10,237,842	10,614,113	11,036,502	11,231,692	11,404,107	11,619,156	11,819,894	11,914,222	12,026,436	12,101,632	12,195,317	12,239,307	12,277,961	12,289,001	12,289,001	12,313,418	12,351,078				
2000	860,451	3,229,407	4,097,326	4,987,743	5,633,856	6,534,131	6,890,557	7,238,979	7,714,724	8,261,206	8,616,572	8,779,442	9,327,543	9,609,245	9,748,235	9,990,614	10,272,219	10,495,913	10,670,537	10,761,863	11,194,486	11,275,718	11,335,372	11,378,636	11,415,245	11,477,126	11,500,684					
2001	614,056	1,017,573	1,580,964	1,983,964	2,274,126	2,448,415	2,649,619	2,763,096	3,029,024	3,114,099	3,274,883	3,391,227	3,465,263	3,575,131	3,674,840	3,772,764	3,925,492	4,052,771	4,156,617	4,208,390	4,231,867	4,242,246	4,251,612	4,285,725	4,316,279	4,324,061						
2002	572,272	1,810,736	2,548,524	3,252,034	3,661,469	4,430,532	5,692,595	6,110,727	6,534,812	6,732,837	6,940,481	7,249,917	7,590,024	7,861,733	8,170,598	8,422,302	8,706,573	8,856,326	8,967,853	9,068,251	9,089,209	9,160,546	9,168,668	9,234,455	9,258,733							
2003	651,408	1,712,088	2,494,587	3,030,439	3,457,282	3,906,778	4,538,964	4,919,972	5,182,688	5,765,080	6,040,604	6,311,992	6,622,418	6,950,367	7,198,145	7,526,680	7,806,493	8,012,900	8,196,136	8,308,971	8,384,029	8,497,401	8,611,103	8,667,528								
2004	306,004	1,603,234	2,367,204	2,740,518	3,302,033	3,925,395	4,415,397	4,895,399	5,257,277	5,707,267	6,055,983	6,375,324	6,713,794	6,928,925	7,320,431	7,522,393	7,626,126	7,723,620	7,747,103	7,892,726	7,967,161	8,081,487	8,126,714									
2005	414,520	1,294,685	2,005,857	2,498,918	2,748,261	3,012,131	3,123,924	3,295,278	3,519,362	3,767,672	4,025,555	4,124,443	4,670,159	4,885,618	5,083,507	5,260,544	5,345,927	5,519,391	5,638,542	5,678,936	5,698,681	5,721,870										
2006	116,526	641,761	1,003,404	1,261,084	1,809,742	1,964,813	2,214,459	2,443,302	2,545,827	2,700,557	3,194,896	3,755,144	4,148,285	4,755,277	5,325,919	5,350,240	5,358,728	5,399,360	5,447,485	5,489,007	5,526,926											
2007	315,976	2,350,775	3,556,523	4,047,247	4,392,861	4,816,940	5,113,728	5,256,096	5,538,046	6,135,726	6,334,376	6,532,501	6,730,519	6,811,942	6,859,750	6,904,166	6,960,317	7,010,493	7,046,466	7,089,213												
2008	1,035,937	2,030,466	2,464,415	2,813,043	3,394,222	3,854,359	4,223,507	4,668,378	5,190,611	5,572,389	5,940,326	6,127,235	6,305,183	6,482,912	6,568,726	6,653,930	6,762,770	6,849,616	6,927,628													
2009	503,404	1,927,874	2,383,290	2,783,150	2,920,682	3,125,757	3,258,714	3,344,245	3,421,835	3,478,929	3,631,942	3,655,802	3,672,267	3,672,267	3,672,267	3,672,267	3,727,034	3,732,468														
2010	74,057	789,592	1,001,879	1,290,566	1,456,185	1,600,384	1,688,952	1,788,315	1,877,225	1,967,927	2,079,512	2,134,275	2,227,799	2,424,112	2,472,696	2,511,891	2,529,825															
2011	523,558	1,555,002	2,151,692	2,596,236	3,054,284	3,288,333	3,735,739	3,958,254	4,150,222	4,450,929	4,752,721	4,992,101	5,039,709	5,091,112	5,287,906	5,337,867																
2012	361,680	927,719	1,639,460	2,099,445	2,551,576	3,025,903	3,290,302	3,475,939	3,663,109	3,795,818	3,882,907	4,039,765	4,144,176	4,229,687	4,277,772																	
2013	452,992	1,034,605	1,543,661	2,123,531	2,914,767	3,477,049	3,719,016	3,925,452	4,084,146	4,159,728	4,228,930	4,360,998	4,505,507	4,615,995																		
2014	165,409	1,675,572	2,370,087	2,769,501	3,037,715	3,553,508	3,730,295	3,805,070	3,955,259	4,062,869	4,181,232	4,394,649	4,529,149																			
2015	301,355	1,903,143	3,717,345	4,379,876	5,330,425	6,331,431	6,670,629	6,835,967	7,058,095	7,182,445	7,313,632	7,356,682																				
2016	197,948	1,038,163	1,788,981	2,400,865	2,849,278	3,204,028	3,643,445	3,789,285	3,979,497	4,112,937	4,203,470																					
2017	841,323	1,818,685	2,607,595	3,193,700	3,623,822	3,839,151	4,106,533	4,298,929	4,365,399	4,455,707																						
2018	253,523	1,247,450	2,075,096	2,572,312	2,876,702	3,218,826	3,527,552	3,789,283	3,910,962																							
2019	556,753	1,601,189	2,214,647	2,540,394	2,914,395	3,544,494	3,882,599	4,084,530																								
2020	74,341	398,295	939,177	1,223,197	1,584,527	1,782,803	1,982,515																									
2021	129,624	591,539	1,104,003	1,650,330	2,061,676	3,000,062																										
2022	486,650	1,715,109	2,514,460	3,234,215	3,508,362																											
2023	250,123	1,141,987	1,903,962	2,329,300																												
2024	145,623	680,503	1,317,940																													
2025	635,861	928,714																														
2026	1,343,852																															

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Summary of Incurred Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	INC LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	4,746,292	4,529,926	4,746,292	216,366	-	216,366
1995	4,192,113	4,159,661	4,192,113	32,452	-	32,452
1996	8,674,866	7,652,167	8,674,866	1,022,699	-	1,022,699
1997	10,301,941	10,232,147	10,301,941	69,795	-	69,795
1998	10,305,937	9,281,023	10,295,647	1,014,624	10,290	1,024,913
1999	12,599,045	12,351,078	12,571,501	220,423	27,544	247,967
2000	11,902,306	11,500,684	11,778,925	278,241	123,381	401,622
2001	4,437,941	4,324,061	4,384,103	60,043	53,837	113,880
2002	9,863,467	9,258,733	9,680,304	421,571	183,162	604,733
2003	9,282,501	8,667,528	9,106,551	439,023	175,950	614,973
2004	8,581,142	8,126,714	8,358,009	231,295	223,133	454,429
2005	6,873,235	5,721,870	6,671,828	949,959	201,407	1,151,366
2006	5,825,935	5,526,926	5,604,362	77,435	221,573	299,009
2007	7,666,003	7,089,213	7,340,498	251,285	325,505	576,790
2008	7,613,493	6,927,628	7,249,755	322,127	363,738	685,865
2009	4,111,414	3,732,468	3,893,899	161,431	217,515	378,946
2010	3,143,844	2,529,825	2,953,288	423,463	190,556	614,019
2011	6,698,594	5,337,867	6,226,351	888,484	472,243	1,360,727
2012	4,704,351	4,277,772	4,322,586	44,814	381,765	426,579
2013	5,591,760	4,615,995	5,019,219	403,224	572,541	975,765
2014	5,760,978	4,529,149	5,088,235	559,086	672,743	1,231,830
2015	9,391,231	7,356,682	8,157,449	800,767	1,233,782	2,034,550
2016	5,836,933	4,203,470	4,989,665	786,195	847,268	1,633,463
2017	5,746,031	4,455,707	4,804,902	349,195	941,130	1,290,325
2018	5,390,946	3,910,962	4,401,512	490,550	989,434	1,479,984
2019	5,395,605	4,084,530	4,299,060	214,530	1,096,544	1,311,075
2020	3,331,952	1,982,515	2,589,434	606,919	742,518	1,349,437
2021	4,632,079	3,000,062	3,442,692	442,630	1,189,387	1,632,017
2022	5,306,883	3,508,362	3,803,291	294,929	1,503,592	1,798,521
2023	4,685,659	2,329,300	3,147,921	818,621	1,537,738	2,356,359
2024	4,126,417	1,317,940	2,596,400	1,278,461	1,530,017	2,808,478
2025	5,315,335	928,714	2,822,736	1,894,022	2,492,599	4,386,621
2026	6,141,899	1,343,852	1,816,807	472,955	4,325,092	4,798,047
TOTAL	218,178,129	178,794,530	195,332,145	16,537,615	22,845,985	39,383,600

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994	4.614	1.021	1.078	1.284	1.311	1.192	1.011	1.145	1.029	1.019	0.989	0.899	0.995	1.050	0.987	1.103	0.994	1.031	1.033	1.016	1.039	1.011	0.971	1.000	1.061	1.001	1.095	1.003	1.009	0.979	1.001	0.993	1.000
1995	1.275	0.933	1.160	1.066	1.063	1.094	1.184	0.976	1.024	1.096	0.985	1.015	1.045	0.987	1.024	1.004	1.009	0.987	1.006	1.000	1.001	1.008	1.000	1.001	1.000	1.000	1.044	1.000	1.000	1.017	0.989	1.000	1.000
1996	1.067	1.115	1.110	1.476	1.046	1.079	1.005	1.007	0.943	0.980	1.016	0.974	1.022	1.035	1.064	1.028	0.997	1.015	1.068	1.000	1.020	1.007	1.064	1.002	1.000	1.013	1.020	1.009	1.000	0.988	1.000	1.000	1.000
1997	1.407	1.074	1.184	1.210	1.023	1.070	1.078	0.979	1.004	1.005	1.009	1.009	1.044	1.017	1.011	1.005	1.018	1.015	1.000	0.979	1.002	1.002	1.008	1.000	0.993	1.000	0.999	1.000	0.998	1.000	1.000	1.000	1.000
1998	1.014	1.205	0.993	1.113	1.054	1.028	1.027	1.012	1.030	1.026	1.010	1.011	1.015	1.080	1.019	1.004	1.060	1.030	1.013	1.008	1.000	1.000	1.063	0.999	1.000	1.001	0.999	0.995	1.001	1.000	1.000	1.000	1.000
1999	1.255	1.150	1.042	1.059	1.044	1.011	1.082	1.003	1.094	1.045	1.012	1.033	0.987	1.001	1.006	1.000	0.979	0.978	0.999	0.998	1.008	1.000	0.999	1.006	1.000	0.993	1.004	1.001	1.001	1.000	1.000	1.000	1.000
2000	1.272	1.136	1.246	1.022	0.970	1.018	0.993	1.013	1.025	1.027	1.008	1.039	1.009	1.044	1.017	1.021	1.009	0.996	0.997	0.988	1.004	1.014	1.000	0.996	1.000	1.005	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2001	0.730	0.976	1.080	0.915	1.040	1.034	0.996	1.057	1.002	1.009	1.012	1.015	1.013	1.025	1.020	0.998	1.014	0.998	0.983	1.000	1.000	1.006	0.995	1.006	0.998	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2002	1.070	1.163	1.010	1.070	1.020	1.098	1.009	1.040	1.000	1.024	1.050	1.014	0.998	1.018	1.015	1.013	1.001	1.007	1.001	1.002	1.001	1.000	1.006	0.994	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2003	0.904	1.063	1.074	0.979	1.089	1.036	1.003	1.007	1.061	1.044	1.024	1.008	1.010	1.016	1.047	0.991	0.999	1.014	1.011	1.078	0.997	0.962	0.986	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2004	0.757	1.006	1.025	1.126	1.070	1.026	1.055	1.049	1.121	1.005	1.011	1.007	1.006	1.031	1.003	1.018	1.000	0.997	1.012	1.004	1.016	0.995	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2005	1.166	1.045	0.995	0.940	0.994	1.114	1.044	1.027	0.992	1.003	1.033	1.118	1.006	1.096	1.028	0.995	1.005	1.006	1.001	0.998	1.018	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2006	0.872	0.970	1.044	1.166	0.987	0.977	1.021	1.067	1.073	1.033	1.010	1.034	1.100	1.137	0.981	1.008	0.999	0.996	0.962	0.988	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2007	1.288	0.951	0.953	0.974	1.115	1.016	1.031	1.040	1.046	1.015	1.002	1.000	1.008	1.000	1.012	1.002	1.001	1.012	0.998	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2008	0.862	0.930	1.044	1.121	1.037	1.049	1.039	1.114	1.060	1.006	0.999	0.999	1.008	1.004	1.003	1.000	1.014	0.998	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2009	0.771	0.894	1.003	1.022	0.998	1.127	0.984	0.999	1.032	1.012	0.937	0.957	1.010	1.000	1.000	1.000	1.011	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2010	0.720	0.973	1.000	1.079	1.065	1.045	1.009	0.982	1.016	0.995	1.084	1.097	1.047	1.000	0.997	0.994	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2011	1.137	1.040	1.205	1.005	1.045	1.173	0.921	1.018	1.002	1.100	1.000	1.036	1.044	0.998	0.996	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2012	0.921	1.046	1.320	1.083	1.083	0.987	1.027	0.907	0.996	1.004	1.008	1.012	0.984	0.985	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2013	0.816	1.066	1.014	1.121	1.053	1.017	1.030	1.021	1.000	1.043	1.052	0.997	0.975	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2014	0.876	1.061	0.998	1.145	1.000	0.976	1.064	1.024	0.989	1.030	1.001	0.980	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2015	1.988	1.301	1.033	1.167	1.052	1.030	1.059	1.011	0.993	0.998	0.995	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2016	1.562	1.209	1.097	0.978	1.025	1.093	1.058	1.035	0.998	1.000	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2017	1.816	1.071	1.069	1.008	1.024	1.018	0.976	0.975	0.980	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2018	1.979	1.229	1.088	1.000	1.007	1.058	1.002	0.965	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2019	1.743	1.050	1.098	1.004	0.991	1.025	0.902	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2020	1.134	1.229	0.995	1.081	1.058	0.947	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2021	1.533	1.150	1.214	1.062	0.916	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2022	1.848	1.155	1.011	0.918	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2023	2.079	1.161	0.900	1.067	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2024	2.004	1.291	1.068	1.067	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2025	1.393	1.185	1.068	1.067	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000
2026	1.795	1.185	1.068	1.067	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000	1.000

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	302,151	1,394,118	1,423,680	1,534,686	1,970,621	2,584,063	3,079,609	3,112,452	3,563,331	3,666,300	3,735,695	3,693,554	3,319,629	3,303,361	3,469,566	3,425,594	3,777,713	3,754,469	3,871,977	3,998,512	4,063,837	4,222,132	4,268,960	4,145,291	4,145,291	4,397,644	4,400,305	4,818,656	4,833,656	4,878,075	4,774,780	4,778,222	4,746,292
1995	1,674,881	2,135,183	1,992,780	2,311,455	2,464,510	2,619,935	2,865,778	3,392,734	3,312,100	3,392,053	3,718,873	3,664,874	3,719,923	3,886,821	3,837,933	3,928,732	3,942,843	3,978,289	3,927,507	3,950,962	3,950,593	3,956,278	3,989,634	3,989,634	3,991,930	3,991,930	3,991,930	4,166,173	4,166,173	4,166,173	4,237,673	4,192,113	4,192,113
1996	3,019,029	3,222,446	3,593,413	3,988,578	5,887,610	6,157,672	6,645,937	6,682,235	6,728,281	6,345,880	6,221,357	6,323,344	6,160,254	6,296,247	6,516,612	6,930,916	7,122,045	7,104,217	7,208,081	7,696,774	7,696,774	7,847,197	7,905,432	8,408,660	8,425,321	8,425,321	8,532,483	8,699,642	8,778,301	8,778,301	8,674,866	8,674,866	8,674,866
1997	3,665,600	5,158,605	5,542,832	6,560,677	7,936,410	8,117,282	8,685,952	9,361,522	9,165,347	9,198,262	9,244,433	9,325,044	9,410,201	9,827,052	9,993,716	10,102,503	10,156,521	10,338,897	10,492,513	10,496,634	10,280,571	10,302,211	10,320,719	10,400,230	10,400,230	10,330,274	10,330,274	10,318,281	10,318,281	10,301,941	10,301,941	10,301,941	10,301,941
1998	4,742,920	4,811,514	5,797,721	5,756,102	6,405,386	6,753,606	6,942,423	7,128,541	7,211,586	7,429,220	7,624,181	7,697,249	7,780,915	7,897,599	8,526,125	8,690,952	8,722,099	9,242,289	9,523,544	9,647,695	9,728,309	9,725,912	9,727,903	10,345,131	10,333,887	10,335,206	10,349,537	10,343,660	10,295,647	10,305,937	10,305,937	10,305,937	10,305,937
1999	6,017,571	7,550,484	8,683,336	9,050,371	9,582,317	10,003,343	10,117,936	10,948,834	10,986,081	12,013,496	12,548,717	12,701,834	13,116,066	12,947,407	12,963,003	13,040,202	13,036,236	12,765,812	12,481,002	12,469,667	12,445,697	12,542,078	12,540,273	12,531,663	12,606,203	12,606,203	12,517,115	12,571,501	12,586,466	12,599,045	12,599,045	12,599,045	12,599,045
2000	5,298,951	6,738,166	7,654,925	9,536,262	9,747,126	9,458,434	9,632,795	9,562,432	9,687,048	9,929,182	10,198,342	10,278,056	10,674,164	10,768,827	11,239,527	11,425,859	11,660,823	11,767,824	11,720,744	11,688,292	11,553,450	11,602,752	11,768,678	11,768,678	11,715,901	11,715,901	11,778,925	11,876,286	11,890,423	11,902,306	11,902,306	11,902,306	11,902,306
2001	5,017,587	3,663,733	3,574,275	3,858,576	3,528,748	3,669,289	3,793,457	3,779,912	3,993,897	4,000,911	4,036,759	4,085,252	4,146,570	4,200,879	4,306,356	4,393,568	4,382,737	4,443,777	4,435,317	4,360,209	4,360,209	4,360,209	4,388,504	4,366,817	4,391,985	4,384,103	4,391,936	4,428,238	4,433,510	4,437,941	4,437,941	4,437,941	4,437,941
2002	5,319,972	5,689,717	6,614,432	6,682,601	7,147,998	7,293,215	8,006,259	8,079,622	8,406,304	8,404,063	8,609,693	9,039,835	9,165,021	9,143,780	9,308,856	9,446,509	9,567,904	9,572,846	9,639,468	9,646,468	9,669,215	9,675,022	9,675,022	9,736,850	9,680,304	9,743,812	9,761,221	9,841,903	9,853,619	9,863,467	9,863,467	9,863,467	9,863,467
2003	6,226,924	5,626,641	5,982,314	6,426,588	6,293,633	6,854,853	7,102,051	7,123,314	7,172,852	7,607,544	7,939,568	8,133,991	8,199,564	8,285,270	8,415,781	8,808,081	8,729,943	8,718,341	8,840,512	8,938,851	9,632,740	9,602,370	9,236,119	9,106,551	9,110,127	9,169,894	9,186,277	9,262,207	9,273,233	9,282,501	9,282,501	9,282,501	9,282,501
2004	6,284,214	4,758,898	4,789,070	4,907,549	5,524,852	5,913,987	6,067,353	6,398,068	6,711,938	7,521,911	7,559,311	7,644,334	7,698,461	7,747,181	7,986,300	8,012,842	8,155,542	8,159,565	8,133,892	8,233,531	8,264,580	8,397,395	8,358,009	8,418,487	8,421,793	8,477,044	8,492,189	8,562,382	8,572,575	8,581,142	8,581,142	8,581,142	8,581,142
2005	3,709,655	4,324,785	4,518,713	4,493,941	4,224,561	4,198,146	4,676,804	4,882,458	5,013,603	4,972,986	4,987,094	5,153,234	5,758,893	5,791,967	6,345,244	6,524,858	6,490,819	6,526,177	6,562,835	6,568,152	6,552,411	6,671,828	6,694,512	6,742,953	6,745,601	6,789,856	6,801,986	6,858,209	6,866,373	6,873,235	6,873,235	6,873,235	6,873,235
2006	3,838,652	3,345,724	3,245,069	3,389,416	3,950,589	3,897,988	3,807,711	3,886,394	4,145,857	4,449,046	4,595,542	4,640,779	4,796,381	5,276,155	5,996,690	5,882,661	5,928,153	5,922,090	5,897,377	5,671,229	5,604,362	5,655,217	5,674,445	5,715,504	5,717,749	5,755,260	5,765,543	5,813,199	5,820,118	5,825,935	5,825,935	5,825,935	5,825,935
2007	4,836,112	6,228,632	5,921,797	5,642,874	5,498,853	6,130,302	6,228,252	6,424,107	6,680,371	6,984,845	7,093,063	7,110,778	7,112,968	7,167,215	7,167,215	7,254,515	7,268,013	7,273,666	7,358,246	7,340,498	7,374,448	7,441,366	7,466,666	7,520,694	7,523,647	7,573,006	7,586,536	7,649,244	7,658,349	7,666,003	7,666,003	7,666,003	7,666,003
2008	5,612,720	4,838,009	4,497,136	4,694,243	5,264,222	5,457,395	5,725,460	5,951,060	6,630,063	7,026,727	7,072,256	7,062,009	7,052,480	7,106,420	7,137,676	7,161,612	7,262,307	7,249,755	7,290,218	7,323,935	7,390,394	7,415,521	7,469,179	7,472,112	7,521,133	7,534,571	7,596,849	7,605,892	7,613,493	7,613,493	7,613,493	7,613,493	7,613,493
2009	5,204,596	4,010,663	3,585,150	3,596,661	3,674,840	3,668,413	4,135,315	4,070,781	4,068,552	4,199,482	4,250,313	3,982,946	3,810,683	3,850,267	3,850,267	3,850,267	3,850,267	3,893,899	3,914,989	3,936,840	3,955,048	3,990,937	4,004,506	4,033,482	4,035,066	4,061,538	4,068,794	4,102,426	4,107,309	4,111,414	4,111,414	4,111,414	4,111,414
2010	2,836,540	2,043,169	1,988,020	1,987,811	2,145,667	2,285,475	2,389,347	2,411,426	2,367,232	2,404,936	2,392,803	2,593,761	2,845,499	2,980,353	2,980,353	2,971,222	2,953,288	2,977,518	2,993,645	3,010,354	3,024,277	3,051,720	3,062,095	3,084,252	3,085,463	3,105,706	3,111,254	3,136,971	3,140,705	3,143,844	3,143,844	3,143,844	3,143,844
2011	3,192,479	3,630,932	3,775,386	4,549,107	4,573,838	4,781,439	5,608,955	5,168,103	5,259,088	5,268,509	5,793,673	5,793,670	6,000,115	6,261,675	6,251,312	6,226,351	6,292,576	6,344,204	6,378,566	6,414,166	6,443,832	6,502,305	6,524,412	6,571,622	6,574,203	6,617,333	6,629,155	6,683,950	6,691,906	6,698,594	6,698,594	6,698,594	6,698,594
2012	3,190,472	2,937,742	3,072,714	4,054,573	4,390,037	4,752,530	4,692,693	4,820,220	4,373,949	4,354,965	4,373,195	4,408,082	4,459,030	4,387,132	4,322,586	4,372,700	4,419,208	4,455,467	4,479,598	4,504,600	4,525,434	4,566,499	4,582,025	4,615,180	4,616,992	4,647,282	4,655,585	4,694,066	4,699,654	4,704,351	4,704,351	4,704,351	4,704,351
2013	4,224,381	3,447,738	3,675,273	3,726,910	4,178,503	4,399,038	4,472,064	4,607,736	4,705,714	4,707,196	4,911,392	5,166,711	5,150,257	5,019,219	5,137,980	5,197,548	5,252,830	5,295,928	5,324,611	5,354,329	5,379,093	5,427,904	5,446,359	5,485,768	5,487,922	5,523,926	5,533,795	5,579,536	5,586,177	5,591,760	5,591,760	5,591,760	5,591,760
2014	4,514,381	3,955,064	4,196,137	4,187,421	4,793,232	4,791,452	4,674,261	4,972,400	5,091,101	5,034,378	5,186,273	5,191,734	5,088,235	5,171,111	5,293,466	5,354,836	5,411,791	5,456,193	5,485,745	5,516,362	5,541,876	5,592,164	5,611,177	5,651,779	5,653,998	5,691,091	5,701,259	5,748,384	5,755,226	5,760,978	5,760,978	5,760,978	5,760,978
2015	2,261,406	4,495,962	5,848,984	6,044,642	7,055,439	7,494,524	7,720,488	8,175,508	8,265,377	8,209,645	8,195,781	8,157,449	8,294,562	8,429,662	8,629,118	8,729,161	8,822,005	8,894,387	8,942,561	8,992,472	9,034,062	9,116,039	9,147,034	9,213,220	9,216,838	9,277,305	9,293,880	9,370,700	9,381,855	9,391,231	9,391,231	9,391,231	9,391,231
2016	2,011,118	3,140,386	3,797,186	4,166,630	4,073,733	4,176,840	4,567,275	4,833,492	5,002,158	4,990,096	4,989,665	5,070,100	5,155,320	5,239,289	5,363,257	5,425,436	5,483,142	5,528,129	5,558,071	5,589,092	5,614,942	5,665,893	5,685,157	5,726,294	5,728,543	5,766,125	5,776,427	5,824,172	5,831,105	5,836,933	5,836,933	5,836,933	5,836,933
2017	2,356,415	4,279,746	4,583,697	4,901,609	4,942,045	5,061,236	5,151,661	5,030,004	4,905,044	4,804,902	4,911,958	4,991,141	5,075,033	5,157,695	5,279,732	5,340,943	5,397,750	5,442,037	5,471,512	5,502,050	5,527,497	5,577,655	5,596,619	5,637,115	5,639,329	5,676,326	5,686,467	5,733,470	5,740,295	5,746,031	5,746,031	5,746,031	5,746,031
2018	1,615,493	3,196,507	3,928,978	4,274,597	4,273,985	4,303,447	4,552,170	4,562,520	4,401,512	4,507,975	4,608,416	4,682,705	4,761,413	4,838,966	4,953,462	5,010,891	5,064,187	5,105,737	5,133,391	5,162,042	5,185,916	5,232,974	5,250,766	5,288,760	5,290,837	5,325,548	5,335,062	5,379,160	5,385,563	5,390,946	5,390,946	5,390,946	5,390,946
2019	2,323,816	4,051,231	4,255,119	4,672,736	4,690,360	4,649,102	4,765,610	4,299,060	4,405,316	4,511,871	4,612,398	4,686,752	4,765,528	4,843,148	4,957,743	5,015,221	5,068,563	5,110,150	5,137,827	5,166,503	5,190,398	5,237,497	5,255,304	5,293,331	5,295,409	5,330,150	5,339,673	5,383,809	5,390,218	5,395,605	5,395,605	5,395,605	5,395,605
2020	1,723,007	1,954,637	2,402,968	2,391,138	2,583,831	2,733,181	2,589,434	2,654,802	2,720,418	2,786,219	2,848,298	2,894,214	2,942,860	2,990,793	3,061,559	3,097,053	3,129,994	3,155,675	3,172,767	3,190,475	3,205,231	3,234,316	3,245,312	3,268,795	3,270,079	3,291,532	3,297,413	3,324,668	3,328,625	3,331,952	3,331,952	3,331,952	3,331,952
2021	1,654,239	2,536,417	2,917,313	3,541,268	3,759,712	3,442,692	3,599,831	3,690,705	3,781,925	3,873,401	3,959,703	4,023,535	4,091,164	4,157,800	4,256,179	4,305,523	4,351,317	4,387,018	4,410,779	4,435,397	4,455,911	4,496,345	4,511,632	4,544,278	4,546,062	4,575,887	4,584,062	4,621,952	4,627,454	4,632,079	4,632,079	4,632,079	4,632,079
2022	1,919,313	3,547,569	4,096,396	4,141,326	3,803,291	3,944,226	4,124,256	4,228,370	4,332,878	4,437,681	4,536,555	4,609,686	4,687,167	4,763,511	4,876,221	4,932,754	4,985,220	5,026,122	5,053,344	5,081,548	5,105,051	5,151,375	5,168,889	5,206,291	5,208,335	5,242,505	5,251,871	5,295,281	5,301,585	5,306,883	5,306,883	5,306,883	5,306,883
2023	1,449,087	3,013,262	3,497,785	3,147,921	3,358,078	3,482,515	3,641,471	3,733,396	3,825,671	3,918,205	4,005,506	4,070,076	4,138,487	4,205,894	4,305,410	4,355,326	4,401,649	4,437,764	4,461,799	4,486,702	4,507,453	4,548,355	4,563,819	4,596,842	4,598,647	4,628,817	4,637,087	4,675,415	4,680,981	4,685,659	4,685,659	4,685,659	4,685,659
2024	1,003,262	2,010,757	2,596,400	2,772,211	2,957,285	3,066,870	3,206,855	3,287,809	3,369,070	3,450,561	3,527,442	3,584,305	3,644,551	3,703,913	3,791,552	3,835,510	3,876,305	3,908,109	3,929,276	3,951,206	3,969,481	4,005,501	4,019,119	4,048,201	4,049,791	4,076,359	4,083,642	4,117,396	4,122,298	4,126,417	4,126,417	4,126,417	4,126,417
2025	2,026,652	2,822,736	3,344,484	3,570,950	3,809,349	3,950,508	4,130,825	4,235,104	4,339,779	4,444,749	4,543,781	4,617,028	4,694,632	4,771,098	4,883,988	4,940,611	4,993,160	5,034,127	5,061,393	5,089,642	5,113,181	5,159,580	5,177,122	5,214,583	5,216,631	5,250,854	5,260,236	5,

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Selection of Loss Development Factors

	Development Period in Months																														
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396
1994	4.614	1.021	1.078	1.284	1.311	1.192	1.011	1.145	1.029	1.019	0.989	0.899	0.995	1.050	0.987	1.103	0.994	1.031	1.033	1.016	1.039	1.011	0.971	1.000	1.061	1.001	1.095	1.003	1.009	0.979	1.001	0.993
1995	1.275	0.933	1.160	1.066	1.063	1.094	1.184	0.976	1.024	1.096	0.985	1.015	1.045	0.987	1.024	1.004	1.009	0.987	1.006	1.000	1.001	1.008	1.000	1.001	1.000	1.000	1.044	1.000	1.000	1.017	0.989	
1996	1.067	1.115	1.110	1.476	1.046	1.079	1.005	1.007	0.943	0.980	1.016	0.974	1.022	1.035	1.064	1.028	0.997	1.015	1.068	1.000	1.020	1.007	1.064	1.002	1.000	1.013	1.020	1.009	1.000	0.988		
1997	1.407	1.074	1.184	1.210	1.023	1.070	1.078	0.979	1.004	1.005	1.009	1.009	1.044	1.017	1.011	1.005	1.018	1.015	1.000	0.979	1.002	1.002	1.008	1.000	0.993	1.000	0.999	1.000	0.998			
1998	1.014	1.205	0.993	1.113	1.054	1.028	1.027	1.012	1.030	1.026	1.010	1.011	1.015	1.080	1.019	1.004	1.060	1.030	1.013	1.008	1.000	1.000	1.063	0.999	1.000	1.001	0.999	0.995				
1999	1.255	1.150	1.042	1.059	1.044	1.011	1.082	1.003	1.094	1.045	1.012	1.033	0.987	1.001	1.006	1.000	0.979	0.978	0.999	0.998	1.008	1.000	0.999	1.006	1.000	0.993	1.004					
2000	1.272	1.136	1.246	1.022	0.970	1.018	0.993	1.013	1.025	1.027	1.008	1.039	1.009	1.044	1.017	1.021	1.009	0.996	0.997	0.988	1.004	1.014	1.000	0.996	1.000	1.005						
2001	0.730	0.976	1.080	0.915	1.040	1.034	0.996	1.057	1.002	1.009	1.012	1.015	1.013	1.025	1.020	0.998	1.014	0.998	0.983	1.000	1.000	1.006	0.995	1.006	0.998							
2002	1.070	1.163	1.010	1.070	1.020	1.098	1.009	1.040	1.000	1.024	1.050	1.014	0.998	1.018	1.015	1.013	1.001	1.007	1.001	1.002	1.001	1.000	1.006	0.994								
2003	0.904	1.063	1.074	0.979	1.089	1.036	1.003	1.007	1.061	1.044	1.024	1.008	1.010	1.016	1.047	0.991	0.999	1.014	1.011	1.078	0.997	0.962	0.986									
2004	0.757	1.006	1.025	1.126	1.070	1.026	1.055	1.049	1.121	1.005	1.011	1.007	1.006	1.031	1.003	1.018	1.000	0.997	1.012	1.004	1.016	0.995										
2005	1.166	1.045	0.995	0.940	0.994	1.114	1.044	1.027	0.992	1.003	1.033	1.118	1.006	1.096	1.028	0.995	1.005	1.006	1.001	0.998	1.018											
2006	0.872	0.970	1.044	1.166	0.987	0.977	1.021	1.067	1.073	1.033	1.010	1.034	1.100	1.137	0.981	1.008	0.999	0.996	0.962	0.988												
2007	1.288	0.951	0.953	0.974	1.115	1.016	1.031	1.040	1.046	1.015	1.002	1.000	1.008	1.000	1.012	1.002	1.001	1.012	0.998													
2008	0.862	0.930	1.044	1.121	1.037	1.049	1.039	1.114	1.060	1.006	0.999	0.999	1.008	1.004	1.003	1.000	1.014	0.998														
2009	0.771	0.894	1.003	1.022	0.998	1.127	0.984	0.999	1.032	1.012	0.937	0.957	1.010	1.000	1.000	1.000	1.011															
2010	0.720	0.973	1.000	1.079	1.065	1.045	1.009	0.982	1.016	0.995	1.084	1.097	1.047	1.000	0.997	0.994																
2011	1.137	1.040	1.205	1.005	1.045	1.173	0.921	1.018	1.002	1.100	1.000	1.036	1.044	0.998	0.996																	
2012	0.921	1.046	1.320	1.083	1.083	0.987	1.027	0.907	0.996	1.004	1.008	1.012	0.984	0.985																		
2013	0.816	1.066	1.014	1.121	1.053	1.017	1.030	1.021	1.000	1.043	1.052	0.997	0.975																			
2014	0.876	1.061	0.998	1.145	1.000	0.976	1.064	1.024	0.989	1.030	1.001	0.980																				
2015	1.988	1.301	1.033	1.167	1.062	1.030	1.059	1.011	0.993	0.998	0.995																					
2016	1.562	1.209	1.097	0.978	1.025	1.093	1.058	1.035	0.998	1.000																						
2017	1.816	1.071	1.069	1.008	1.024	1.018	0.976	0.975	0.980																							
2018	1.979	1.229	1.088	1.000	1.007	1.058	1.002	0.965																								
2019	1.743	1.050	1.098	1.004	0.991	1.025	0.902																									
2020	1.134	1.229	0.995	1.081	1.058	0.947																										
2021	1.533	1.150	1.214	1.062	0.916																											
2022	1.848	1.155	1.011	0.918																												
2023	2.079	1.161	0.900																													
2024	2.004	1.291																														
2025	1.393																															
VOL WTD 3	1.752	1.189	1.030	1.007	0.981	1.019	0.960	0.992	0.991	1.008	1.012	0.995	1.004	0.995	0.997	0.999	1.008	1.002	0.988	0.997	1.009	0.985	0.996	0.997	1.000	1.000	1.001	1.001	0.999	0.992	0.995	0.993
VOL WTD 5	1.730	1.187	1.042	1.005	0.997	1.034	1.005	1.003	0.992	1.013	1.009	1.017	1.010	0.998	1.003	1.002	1.006	1.002	0.999	1.017	1.006	0.995	0.998	1.000	0.998	1.002	1.008	1.001	1.001	0.992	0.995	0.993
VOL WTD ALL	1.142	1.085	1.068	1.069	1.036	1.046	1.024	1.017	1.024	1.022	1.011	1.013	1.014	1.027	1.014	1.009	1.006	1.004	1.006	1.004	1.007	0.999	1.012	1.000	1.003	1.002	1.016	1.001	1.001	0.992	0.995	0.993
ARITH 3	1.825	1.202	1.042	1.020	0.988	1.010	0.960	0.992	0.990	1.009	1.016	0.996	1.001	0.995	0.998	0.998	1.009	1.002	0.987	0.997	1.010	0.986	0.996	0.998	0.999	1.000	1.001	1.001	0.999	0.995	0.995	0.993
ARITH 5	1.772	1.197	1.044	1.013	0.999	1.028	1.000	1.002	0.992	1.015	1.011	1.024	1.012	0.998	1.002	1.001	1.006	1.002	0.997	1.014	1.006	0.996	0.997	1.000	0.998	1.002	1.013	1.002	1.002	0.995	0.995	0.993
ARITH ALL	1.371	1.086	1.069	1.076	1.043	1.050	1.024	1.019	1.021	1.023	1.011	1.012	1.016	1.028	1.013	1.011	1.007	1.005	1.006	1.005	1.009	1.001	1.009	1.000	1.007	1.002	1.027	1.002	1.002	0.995	0.995	0.993
5 YR HI LO	1.795	1.182	1.035	1.022	1.007	1.034	1.012	1.003	0.993	1.011	1.003	1.015	1.013	0.999	1.000	1.001	1.006	1.000	1.003	1.001	1.006	1.001	0.998	1.000	0.999	1.002	1.017	1.001	1.000	0.988	NA	NA
7 YR HI LO	1.704	1.185	1.052	1.010	1.021	1.021	1.025	0.999	0.995	1.015	1.011	1.005	1.011	1.001	1.002	1.001	1.003	1.004	0.999	0.998	1.006	1.000	1.002	1.000	1.000	1.002	1.008	1.001	1.000	0.988	NA	NA
ALL YR HI LO	1.285	1.085	1.067	1.067	1.037	1.048	1.022	1.018	1.020	1.021	1.011	1.012	1.014	1.024	1.012	1.006	1.005	1.005	1.004	1.000	1.007	1.003	1.007	1.000	1.000	1.001	1.017	1.001	1.000	0.988	NA	NA
SELECTED	1.795	1.185	1.068	1.067	1.037	1.046	1.025	1.025	1.024	1.022	1.016	1.017	1.016	1.024	1.012	1.011	1.008	1.005	1.006	1.005	1.009	1.003	1.007	1.000	1.007	1.002	1.008	1.001	1.001	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Incurred Losses

Development in Months

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384
1994	302,151	1,394,118	1,423,680	1,534,686	1,970,621	2,584,063	3,079,609	3,112,452	3,563,331	3,666,300	3,735,695	3,693,554	3,319,629	3,303,361	3,469,566	3,425,594	3,777,713	3,754,469	3,871,977	3,998,512	4,063,837	4,222,132	4,268,960	4,145,291	4,145,291	4,397,644	4,400,305	4,818,656	4,833,656	4,878,075	4,774,780	4,778,222
1995	1,674,881	2,135,183	1,992,780	2,311,455	2,464,510	2,619,935	2,865,778	3,392,734	3,312,100	3,392,053	3,718,873	3,664,874	3,719,923	3,886,821	3,837,933	3,928,732	3,942,843	3,978,289	3,927,507	3,950,962	3,950,593	3,956,278	3,989,634	3,989,634	3,991,930	3,991,930	3,991,930	4,166,173	4,166,173	4,166,173	4,237,673	4,192,113
1996	3,019,029	3,222,446	3,593,413	3,988,578	5,887,610	6,157,672	6,645,937	6,682,235	6,728,281	6,345,880	6,221,357	6,323,344	6,160,254	6,296,247	6,516,612	6,930,916	7,122,045	7,104,217	7,208,081	7,696,774	7,696,774	7,847,197	7,905,432	8,408,660	8,425,321	8,425,321	8,532,483	8,699,642	8,778,301	8,778,301	8,674,866	
1997	3,665,600	5,158,605	5,542,832	6,560,677	7,936,410	8,117,282	8,685,952	9,361,522	9,165,347	9,198,262	9,244,433	9,325,044	9,410,201	9,827,052	9,993,716	10,102,503	10,156,521	10,338,897	10,492,513	10,496,634	10,280,571	10,302,211	10,320,719	10,400,230	10,400,230	10,330,274	10,330,274	10,318,281	10,318,281	10,301,941		
1998	4,742,920	4,811,514	5,797,721	5,756,102	6,405,386	6,753,606	6,942,423	7,128,541	7,211,586	7,429,220	7,624,181	7,697,249	7,780,915	7,897,599	8,526,125	8,690,952	8,722,099	9,242,289	9,523,544	9,647,695	9,728,309	9,725,912	9,727,903	10,345,131	10,333,887	10,335,206	10,349,537	10,343,660	10,295,647			
1999	6,017,571	7,550,484	8,683,336	9,050,371	9,582,317	10,003,343	10,117,936	10,948,834	10,986,081	12,013,496	12,548,717	12,701,834	13,116,066	12,947,407	12,963,003	13,040,202	13,036,236	12,765,812	12,481,002	12,469,667	12,445,697	12,542,078	12,540,273	12,531,663	12,606,203	12,606,203	12,517,115	12,571,501				
2000	5,298,951	6,738,166	7,654,925	9,536,262	9,747,126	9,458,434	9,632,795	9,562,432	9,687,048	9,929,182	10,198,342	10,278,056	10,674,164	10,768,827	11,239,527	11,425,859	11,660,823	11,767,824	11,720,744	11,688,292	11,553,450	11,602,752	11,768,678	11,768,678	11,715,901	11,715,901	11,778,925					
2001	5,017,587	3,663,733	3,574,275	3,858,576	3,528,748	3,669,289	3,793,457	3,779,912	3,993,897	4,000,911	4,036,759	4,085,252	4,146,570	4,200,879	4,306,356	4,393,568	4,382,737	4,443,777	4,435,317	4,360,209	4,360,209	4,360,209	4,388,504	4,366,817	4,391,985	4,384,103						
2002	5,319,972	5,689,717	6,614,432	6,682,601	7,147,998	7,293,215	8,006,259	8,079,622	8,406,304	8,404,063	8,609,693	9,039,835	9,165,021	9,143,780	9,308,856	9,446,509	9,567,904	9,572,846	9,639,468	9,646,468	9,669,215	9,675,022	9,675,022	9,736,850	9,680,304							
2003	6,226,924	5,626,641	5,982,314	6,426,588	6,293,633	6,854,853	7,102,051	7,123,314	7,172,852	7,607,544	7,939,568	8,133,991	8,199,564	8,285,270	8,415,781	8,808,081	8,729,943	8,718,341	8,840,512	8,938,851	9,632,740	9,602,370	9,236,119	9,106,551								
2004	6,284,214	4,758,898	4,789,070	4,907,549	5,524,852	5,913,987	6,067,353	6,398,068	6,711,938	7,521,911	7,559,311	7,644,334	7,698,461	7,747,181	7,986,300	8,012,842	8,155,542	8,159,565	8,133,892	8,233,531	8,264,580	8,397,395	8,358,009									
2005	3,709,655	4,324,785	4,518,713	4,493,941	4,224,561	4,198,146	4,676,804	4,882,458	5,013,603	4,972,986	4,987,094	5,153,234	5,758,893	5,791,967	6,345,244	6,524,858	6,490,819	6,526,177	6,562,835	6,568,152	6,552,411	6,671,828										
2006	3,838,652	3,345,724	3,245,069	3,389,416	3,950,589	3,897,988	3,807,711	3,886,394	4,145,857	4,449,046	4,595,542	4,640,779	4,796,381	5,276,155	5,996,690	5,882,661	5,928,153	5,922,090	5,897,377	5,671,229	5,604,362											
2007	4,836,112	6,228,632	5,921,797	5,642,874	5,498,853	6,130,302	6,228,252	6,424,107	6,680,371	6,984,845	7,093,063	7,110,778	7,112,968	7,167,215	7,167,215	7,254,515	7,268,013	7,273,666	7,358,246	7,340,498												
2008	5,612,720	4,838,009	4,497,136	4,694,243	5,264,222	5,457,395	5,725,460	5,951,060	6,630,063	7,026,727	7,072,256	7,062,009	7,052,480	7,106,420	7,137,676	7,161,612	7,161,612	7,262,307	7,249,755													
2009	5,204,596	4,010,663	3,585,150	3,596,661	3,674,840	3,668,413	4,135,315	4,070,781	4,068,552	4,199,482	4,250,313	3,982,946	3,810,683	3,850,267	3,850,267	3,850,267	3,850,267	3,893,899														
2010	2,836,540	2,043,169	1,988,020	1,987,811	2,145,667	2,285,475	2,389,347	2,411,426	2,367,232	2,404,936	2,392,803	2,593,761	2,845,499	2,980,353	2,980,353	2,971,222	2,953,288															
2011	3,192,479	3,630,932	3,775,386	4,549,107	4,573,838	4,781,439	5,608,955	5,168,103	5,259,088	5,268,509	5,793,673	5,793,670	6,000,115	6,261,675	6,251,312	6,226,351																
2012	3,190,472	2,937,742	3,072,714	4,054,573	4,390,037	4,752,530	4,692,693	4,820,220	4,373,949	4,354,965	4,373,195	4,408,082	4,459,030	4,387,132	4,322,586																	
2013	4,224,381	3,447,738	3,675,273	3,726,910	4,178,503	4,399,038	4,472,064	4,607,736	4,705,714	4,707,196	4,911,392	5,166,711	5,150,257	5,019,219																		
2014	4,514,381	3,955,064	4,196,137	4,187,421	4,793,232	4,791,452	4,674,261	4,972,400	5,091,101	5,034,378	5,186,273	5,191,734	5,088,235																			
2015	2,261,406	4,495,962	5,848,984	6,044,642	7,055,439	7,494,524	7,720,488	8,175,508	8,265,377	8,209,645	8,195,781	8,157,449																				
2016	2,011,118	3,140,386	3,797,186	4,166,630	4,073,733	4,176,840	4,567,275	4,833,492	5,002,158	4,990,096	4,989,665																					
2017	2,356,415	4,279,746	4,583,697	4,901,609	4,942,045	5,061,236	5,151,661	5,030,004	4,905,044	4,804,902																						
2018	1,615,493	3,196,507	3,928,978	4,274,597	4,273,985	4,303,447	4,552,170	4,562,520	4,401,512																							
2019	2,323,816	4,051,231	4,255,119	4,672,736	4,690,360	4,649,102	4,765,610	4,299,060																								
2020	1,723,007	1,954,637	2,402,968	2,391,138	2,583,831	2,733,181	2,589,434																									
2021	1,654,239	2,536,417	2,917,313	3,541,268	3,759,712	3,442,692																										
2022	1,919,313	3,547,569	4,096,396	4,141,326	3,803,291																											
2023	1,449,087	3,013,262	3,497,785	3,147,921																												
2024	1,003,262	2,010,757	2,596,400																													
2025	2,026,652	2,822,736																														
2026	1,816,807																															

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Determination of Pure Premium

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) SELECTED ULTIMATE	(5) POLICIES IN FORCE	(6) PURE PREMIUM
1994					
1995					
1996					
1997					
1998					
1999					
2000					
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008	7,445,942	7,613,493	7,529,718	2,664	2,826
2009	4,049,340	4,111,414	4,080,377	2,662	1,533
2010	2,953,288	3,143,844	3,048,566	2,622	1,163
2011	6,226,351	6,698,594	6,462,473	2,623	2,464
2012	4,878,155	4,704,351	4,791,253	2,617	1,831
2013	5,424,652	5,591,760	5,508,206	2,603	2,116
2014	5,443,152	5,760,978	5,602,065	2,573	2,177
2015	9,106,227	9,391,231	9,248,729	2,530	3,656
2016	5,370,753	5,836,933	5,603,843	2,509	2,233
2017	5,862,749	5,746,031	5,804,390	2,489	2,332
2018	5,286,118	5,390,946	5,338,532	2,487	2,147
2019	5,735,693	5,395,605	5,565,649	2,413	2,307
2020	2,942,532	3,331,952	3,137,242	2,408	1,303
2021	4,896,504	4,632,079	4,764,292	2,405	1,981
2022	6,570,623	5,306,883	5,938,753	2,371	2,505
2023	5,092,040	4,685,659	4,888,849	2,347	2,083
2024	3,645,280	4,126,417	3,885,849	2,319	1,676
2025	3,953,262	5,315,335	4,634,299	2,337	1,983
2026	8,354,968	6,141,899	6,141,899	2,254	2,725
TOTAL	103,237,629	102,925,406	101,974,983	47,233	2,159

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Paid Bornhuetter-Ferguson Method

(1) RY	(2) POLICIES IN FORCE	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT UNPAID	(8) EXPECTED UNPAID	(9) PAID LOSSES	(10) INDICATED ULTIMATE	(11) INCURRED LOSSES	(12) IBNR RESERVE	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	2,664	2,826	2,826	2,129	5,670,536	7.0%	394,728	6,927,628	7,322,356	7,249,755	72,601	322,127	2,749
2009	2,662	1,533	1,533	2,129	5,666,279	7.8%	443,401	3,732,468	4,175,870	3,893,899	281,971	161,431	1,569
2010	2,622	1,163	1,163	2,129	5,581,136	9.0%	504,619	2,529,825	3,034,444	2,953,288	81,157	423,463	1,157
2011	2,623	2,464	2,464	2,129	5,583,264	10.1%	565,236	5,337,867	5,903,103	6,226,351	(323,248)	888,484	2,251
2012	2,617	1,831	1,831	2,129	5,570,493	12.3%	685,593	4,277,772	4,963,365	4,322,586	640,780	44,814	1,897
2013	2,603	2,116	2,116	2,129	5,540,693	14.9%	825,955	4,615,995	5,441,950	5,019,219	422,731	403,224	2,091
2014	2,573	2,177	2,177	2,129	5,476,835	16.8%	919,659	4,529,149	5,448,808	5,088,235	360,573	559,086	2,118
2015	2,530	3,656	3,656	2,129	5,385,306	19.2%	1,034,659	7,356,682	8,391,340	8,157,449	233,891	800,767	3,317
2016	2,509	2,233	2,233	2,129	5,340,606	21.7%	1,160,731	4,203,470	5,364,201	4,989,665	374,535	786,195	2,138
2017	2,489	2,332	2,332	2,129	5,298,035	24.0%	1,271,513	4,455,707	5,727,220	4,804,902	922,318	349,195	2,301
2018	2,487	2,147	2,147	2,129	5,293,777	26.0%	1,377,149	3,910,962	5,288,111	4,401,512	886,599	490,550	2,126
2019	2,413	2,307	2,307	2,129	5,136,263	28.8%	1,478,602	4,084,530	5,563,132	4,299,060	1,264,071	214,530	2,305
2020	2,408	1,303	1,303	2,129	5,125,620	32.6%	1,672,261	1,982,515	3,654,776	2,589,434	1,065,342	606,919	1,518
2021	2,405	1,981	1,981	2,129	5,119,234	38.7%	1,982,706	3,000,062	4,982,769	3,442,692	1,540,076	442,630	2,072
2022	2,371	2,505	2,505	2,129	5,046,862	46.6%	2,352,107	3,508,362	5,860,469	3,803,291	2,057,178	294,929	2,472
2023	2,347	2,083	2,083	2,129	4,995,776	54.3%	2,710,511	2,329,300	5,039,811	3,147,921	1,891,890	818,621	2,147
2024	2,319	1,676	1,676	2,129	4,936,176	63.8%	3,151,517	1,317,940	4,469,456	2,596,400	1,873,056	1,278,461	1,927
2025	2,337	1,983	1,983	2,129	4,974,490	76.5%	3,805,866	928,714	4,734,580	2,822,736	1,911,844	1,894,022	2,026
2026	2,254	2,725	2,725	2,129	4,797,818	83.9%	4,026,115	1,343,852	5,369,967	1,816,807	3,553,160	472,955	2,382
TOTAL	47,233				100,539,199		30,362,929	70,372,799	100,735,728	81,625,203	19,110,524	11,252,405	2,133

Trend = 1.000

Pure Premium Selection	
3-Year Average x Latest	1,914
5-Year Average x Latest	2,045
All Year Average x Latest	2,129
Selected Pure Premium	2,129

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance UST
Incurred Bornhuetter-Ferguson Method

(1) RY	(2) POLICIES IN FORCE	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT IBNR	(8) EXPECTED IBNR	(9) INCURRED LOSSES	(10) INDICATED ULTIMATE	(11) PAID LOSSES	(12) UNPAID LOSS	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	2,664	2,826	2,826	2,129	5,670,536	4.8%	270,913	7,249,755	7,520,667	6,927,628	593,039	322,127	2,823
2009	2,662	1,533	1,533	2,129	5,666,279	5.3%	299,775	3,893,899	4,193,674	3,732,468	461,206	161,431	1,575
2010	2,622	1,163	1,163	2,129	5,581,136	6.1%	338,287	2,953,288	3,291,574	2,529,825	761,749	423,463	1,255
2011	2,623	2,464	2,464	2,129	5,583,264	7.0%	393,613	6,226,351	6,619,965	5,337,867	1,282,098	888,484	2,524
2012	2,617	1,831	1,831	2,129	5,570,493	8.1%	452,054	4,322,586	4,774,640	4,277,772	496,868	44,814	1,824
2013	2,603	2,116	2,116	2,129	5,540,693	10.2%	567,312	5,019,219	5,586,531	4,615,995	970,536	403,224	2,146
2014	2,573	2,177	2,177	2,129	5,476,835	11.7%	639,562	5,088,235	5,727,797	4,529,149	1,198,649	559,086	2,226
2015	2,530	3,656	3,656	2,129	5,385,306	13.1%	707,500	8,157,449	8,864,949	7,356,682	1,508,267	800,767	3,504
2016	2,509	2,233	2,233	2,129	5,340,606	14.5%	775,223	4,989,665	5,764,888	4,203,470	1,561,418	786,195	2,298
2017	2,489	2,332	2,332	2,129	5,298,035	16.4%	867,753	4,804,902	5,672,655	4,455,707	1,216,948	349,195	2,279
2018	2,487	2,147	2,147	2,129	5,293,777	18.4%	971,600	4,401,512	5,373,112	3,910,962	1,462,150	490,550	2,160
2019	2,413	2,307	2,307	2,129	5,136,263	20.3%	1,043,838	4,299,060	5,342,899	4,084,530	1,258,369	214,530	2,214
2020	2,408	1,303	1,303	2,129	5,125,620	22.3%	1,142,233	2,589,434	3,731,667	1,982,515	1,749,152	606,919	1,550
2021	2,405	1,981	1,981	2,129	5,119,234	25.7%	1,314,474	3,442,692	4,757,167	3,000,062	1,757,104	442,630	1,978
2022	2,371	2,505	2,505	2,129	5,046,862	28.3%	1,429,920	3,803,291	5,233,212	3,508,362	1,724,850	294,929	2,207
2023	2,347	2,083	2,083	2,129	4,995,776	32.8%	1,639,512	3,147,921	4,787,433	2,329,300	2,458,134	818,621	2,040
2024	2,319	1,676	1,676	2,129	4,936,176	37.1%	1,830,264	2,596,400	4,426,664	1,317,940	3,108,725	1,278,461	1,909
2025	2,337	1,983	1,983	2,129	4,974,490	46.9%	2,332,762	2,822,736	5,155,498	928,714	4,226,784	1,894,022	2,206
2026	2,254	2,725	2,725	2,129	4,797,818	70.4%	3,378,598	1,816,807	5,195,405	1,343,852	3,851,552	472,955	2,305
TOTAL	47,233				100,539,199		20,395,194	81,625,203	102,020,397	70,372,799	31,647,598	11,252,405	2,160

Pure Premium Selection	
3-Year Average x Latest	1,914
5-Year Average x Latest	2,045
All Year Average x Latest	2,129
Selected Pure Premium	2,129

Trend = 1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Summary of Paid Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	PAID LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	114,027	114,027	114,027	-	-	-
1996	68,420,436	65,488,880	68,420,436	2,931,556	-	2,931,556
1997	9,087,242	8,700,333	9,071,124	370,791	16,118	386,909
1998	18,999,090	18,061,814	18,899,919	838,105	99,172	937,276
1999	9,238,222	8,723,587	9,051,963	328,376	186,259	514,636
2000	16,741,766	15,187,804	16,741,766	1,553,963	-	1,553,963
2001	3,065,532	2,393,583	3,065,532	671,949	-	671,949
2002	3,300,676	3,040,732	3,239,172	198,440	61,504	259,944
2003	1,247,805	1,137,400	1,146,436	9,036	101,368	110,404
2004	2,368,753	1,915,400	2,368,753	453,353	-	453,353
2005	2,788,380	2,391,427	2,788,380	396,953	-	396,953
2006	761,499	611,329	761,499	150,170	-	150,170
2007	1,518,597	1,288,740	1,273,344	(15,397)	245,253	229,857
2008	705,588	705,588	705,588	-	-	-
2009	875,405	712,041	838,041	126,000	37,364	163,364
2010	740,434	588,055	680,551	92,496	59,882	152,379
2011	1,717,084	1,177,638	1,717,084	539,447	-	539,447
2012	305,720	305,720	305,720	-	-	-
2013	1,658,610	1,218,799	1,323,850	105,051	334,760	439,811
2014	1,022,289	729,198	771,816	42,618	250,473	293,091
2015	107,157	107,157	107,157	-	-	-
2016	1,278,358	843,319	1,154,940	311,622	123,418	435,040
2017	1,007,332	637,724	648,373	10,649	358,959	369,609
2018	1,158,592	702,591	991,646	289,055	166,946	456,001
2019	586,031	345,858	406,576	60,717	179,455	240,172
2020	221,554	120,903	137,211	16,308	84,343	100,651
2021	291,301	144,343	145,913	1,570	145,388	146,958
2022	742,428	315,249	742,428	427,178	-	427,178
2023	428,748	155,850	224,178	68,328	204,570	272,898
2024	470,172	132,398	181,774	49,377	288,398	337,774
2025	267,061	17,313	267,061	249,748	-	249,748
2026	199,900	-	199,900	199,900	-	199,900
TOTAL	151,435,790	138,014,798	148,492,159	10,477,360	2,943,631	13,420,991

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.044
1995								9.287	1.127	1.000	1.241	1.000	1.041	1.014	1.069	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.044
1996	20.468	3.225	2.443	2.047	1.410	1.265	1.162	1.143	1.103	1.083	1.072	1.052	1.076	1.061	1.043	1.032	1.031	1.021	1.035	1.021	1.023	1.023	1.020	1.011	1.008	1.006	1.008	1.007	1.008	1.009	1.000	1.000	1.044
1997	16.969	2.041	1.600	1.265	1.152	1.071	1.019	1.041	1.041	1.021	1.095	1.027	1.040	1.046	1.019	1.013	1.006	1.012	1.012	1.008	1.029	1.015	1.014	1.010	1.004	1.012	1.012	1.004	1.003	1.000	1.000	1.000	1.044
1998	12.596	2.014	1.343	1.147	1.074	1.053	1.029	1.071	1.035	1.080	1.051	1.056	1.031	1.025	1.017	1.018	1.019	1.010	1.012	1.018	1.031	1.016	1.004	1.006	1.001	1.003	1.006	1.006	1.007	1.000	1.000	1.000	1.044
1999	4.847	1.346	1.267	1.193	1.134	1.024	1.045	1.040	1.062	1.097	1.059	1.033	1.018	1.019	1.016	1.011	1.013	1.022	1.019	1.018	1.009	1.005	1.006	1.018	1.014	1.028	1.016	1.007	1.007	1.000	1.000	1.000	1.044
2000	1.899	1.355	1.183	1.155	1.107	1.073	1.132	1.032	1.053	1.042	1.027	1.026	1.029	1.029	1.029	1.026	1.024	1.029	1.034	1.027	1.022	1.016	1.014	1.013	1.017	1.005	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2001		3.234	1.268	1.346	1.120	1.179	1.166	1.155	1.112	1.047	1.052	1.037	1.017	1.018	1.009	1.013	1.046	1.045	1.024	1.032	1.016	1.010	1.008	1.000	1.030	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2002	10.139	2.111	1.125	1.147	1.072	1.092	1.039	1.043	1.094	1.033	1.046	1.078	1.043	1.070	1.090	1.065	1.041	1.023	1.011	1.002	1.006	1.002	1.012	1.010	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2003	2.817	1.576	1.195	1.149	1.129	1.151	1.063	1.049	1.089	1.032	1.076	1.029	1.063	1.058	1.049	1.046	1.039	1.032	1.046	1.023	1.006	1.018	1.000	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2004	4.773	1.326	1.368	1.217	1.136	1.111	1.059	1.037	1.046	1.032	1.043	1.015	1.037	1.036	1.053	1.030	1.011	1.007	1.053	1.032	1.029	1.028	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2005	3.426	1.446	1.590	1.161	1.212	1.132	1.037	1.039	1.095	1.041	1.261	1.036	1.008	1.010	1.007	1.003	1.004	1.000	1.000	1.000	1.000	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2006	4.337	3.865	1.419	1.348	1.051	1.042	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.218	1.000	1.120	1.000	1.086	1.143	1.201	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2007	41.628	3.049	1.218	1.215	1.257	1.101	1.081	1.141	1.098	1.002	1.068	1.033	1.030	1.047	1.011	1.019	1.016	1.013	1.012	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2008	4.194	1.048	1.204	1.247	1.256	1.030	1.086	1.045	1.015	1.032	1.084	1.033	1.014	1.010	1.000	1.000	1.000	1.000	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2009	3.022	1.570	1.139	1.055	1.015	1.097	1.034	1.018	1.058	1.024	1.022	1.000	1.031	1.000	1.000	1.000	1.000	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2010		1.835	1.081	1.363	1.047	1.069	1.179	1.088	1.045	1.028	1.074	1.000	1.005	1.027	1.006	1.010	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2011	2.766	1.844	1.117	1.100	1.081	1.076	1.034	1.028	1.041	1.053	1.020	1.036	1.054	1.032	1.005	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2012	13.380	1.407	1.134	1.101	1.063	1.086	1.061	1.033	1.028	1.008	1.000	1.000	1.000	1.000	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2013	5.111	1.534	1.499	1.181	1.057	1.336	1.065	1.139	1.045	1.065	1.031	1.002	1.028	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2014	13.888	1.678	1.154	1.132	1.060	1.043	1.052	1.029	1.077	1.010	1.003	1.018	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2015		2.243	1.078	1.144	1.026	1.000	1.000	1.000	1.000	1.000	1.000	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2016		1.274	1.172	1.204	1.173	1.122	1.108	1.059	1.041	1.061	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2017	2.086	1.438	1.045	1.159	1.075	1.018	1.097	1.011	1.020	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2018	3.476	1.240	1.157	1.186	1.166	1.223	1.124	1.006	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2019		1.558	1.266	1.247	1.056	1.050	1.085	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2020	4.771	1.258	1.912	1.072	1.138	1.000	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2021		2.665	2.197	1.492	1.154	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2022	3.621	2.699	1.264	1.302	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2023		1.702	1.085	1.220	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2024	6.119	1.749	1.291	1.220	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2025	1.582	1.786	1.291	1.220	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044
2026	4.196	1.786	1.291	1.220	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000	1.044

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	7,781	72,262	81,424	81,424	101,034	101,034	105,196	106,705	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027
1996	40,315	825,163	2,661,261	6,501,447	13,306,297	18,763,883	23,739,102	27,582,411	31,527,613	34,772,269	37,648,713	40,357,163	42,435,822	45,667,046	48,470,202	50,559,450	52,186,605	53,783,992	54,912,591	56,824,790	58,025,854	59,374,919	60,718,047	61,904,710	62,581,534	63,089,470	63,446,777	63,960,342	64,428,677	64,921,057	65,488,880	65,488,880	65,488,880
1997	61,400	1,041,894	2,126,620	3,402,864	4,304,438	4,959,870	5,311,545	5,412,008	5,631,204	5,859,361	5,980,682	6,550,759	6,730,658	7,001,728	7,322,383	7,463,064	7,561,344	7,606,213	7,693,757	7,786,570	7,847,588	8,076,143	8,200,584	8,314,134	8,400,063	8,432,328	8,529,481	8,634,234	8,672,440	8,700,333	8,700,333	8,700,333	8,700,333
1998	239,795	3,020,539	6,082,103	8,166,209	9,362,979	10,056,302	10,590,121	10,900,249	11,672,631	12,084,683	13,048,145	13,715,709	14,486,904	14,939,288	15,307,254	15,563,116	15,850,058	16,146,232	16,300,669	16,488,426	16,780,230	17,302,091	17,577,886	17,656,596	17,767,188	17,787,196	17,844,937	17,956,315	18,061,814	18,190,163	18,190,163	18,190,163	18,190,163
1999	436,835	2,117,489	2,850,714	3,612,158	4,310,390	4,887,669	5,004,738	5,229,646	5,437,095	5,775,774	6,336,659	6,710,403	6,934,800	7,060,600	7,194,630	7,308,369	7,391,465	7,485,926	7,647,642	7,789,569	7,932,795	8,006,625	8,043,053	8,094,074	8,240,849	8,352,378	8,582,716	8,723,587	8,782,476	8,844,885	8,844,885	8,844,885	8,844,885
2000	1,976,191	3,752,109	5,085,625	6,014,419	6,946,570	7,691,401	8,250,249	9,341,059	9,639,862	10,149,244	10,572,564	10,852,788	11,129,695	11,457,193	11,788,042	12,130,501	12,444,988	12,741,045	13,106,242	13,555,378	13,923,349	14,229,363	14,462,665	14,671,290	14,860,553	15,114,702	15,187,804	15,322,013	15,425,445	15,535,060	15,535,060	15,535,060	15,535,060
2001		147,472	476,981	604,628	813,801	911,192	1,074,243	1,252,777	1,447,406	1,609,378	1,685,756	1,773,480	1,839,082	1,870,679	1,904,981	1,922,955	1,947,793	2,036,744	2,128,610	2,178,924	2,248,041	2,284,583	2,307,605	2,324,971	2,324,971	2,393,583	2,410,894	2,432,199	2,448,617	2,466,017	2,466,017	2,466,017	2,466,017
2002	47,379	480,361	1,014,084	1,140,741	1,308,579	1,402,608	1,531,018	1,591,392	1,659,124	1,814,667	1,875,002	1,960,925	2,114,181	2,204,070	2,358,085	2,569,598	2,737,830	2,849,874	2,914,700	2,946,891	2,951,515	2,970,446	2,975,246	3,011,677	3,040,732	3,067,320	3,089,504	3,116,804	3,137,845	3,160,142	3,160,142	3,160,142	3,160,142
2003	71,422	201,172	317,027	378,728	435,080	491,064	565,402	600,804	630,373	686,253	708,407	762,255	784,155	833,873	881,870	925,066	967,687	1,005,806	1,037,603	1,085,752	1,111,211	1,117,464	1,137,400	1,137,400	1,149,534	1,159,585	1,167,972	1,178,293	1,186,247	1,194,677	1,194,677	1,194,677	1,194,677
2004	84,160	401,722	532,740	728,973	887,261	1,008,297	1,120,106	1,186,075	1,229,393	1,286,274	1,327,154	1,384,142	1,404,444	1,456,535	1,508,295	1,588,561	1,635,498	1,654,081	1,666,236	1,754,136	1,810,428	1,862,941	1,915,400	1,936,155	1,956,810	1,973,920	1,988,196	2,005,765	2,019,305	2,033,654	2,033,654	2,033,654	2,033,654
2005	115,085	394,303	570,217	906,812	1,053,062	1,275,950	1,444,651	1,497,871	1,556,506	1,704,631	1,773,966	2,236,223	2,315,908	2,334,050	2,357,368	2,374,726	2,382,660	2,391,427	2,391,427	2,391,427	2,391,427	2,391,427	2,391,427	2,435,244	2,461,633	2,487,893	2,509,647	2,527,798	2,550,135	2,567,350	2,585,593	2,585,593	2,585,593	2,585,593
2006	8,574	37,183	143,721	203,989	274,938	288,877	300,938	300,938	300,938	300,938	300,938	300,938	300,938	300,938	300,938	366,445	366,445	410,371	410,371	445,501	509,227	611,329	625,100	636,553	643,451	650,315	656,001	660,746	666,584	671,084	675,853	675,853	675,853	675,853
2007	2,861	119,076	363,029	442,068	537,077	674,872	743,159	803,483	916,913	1,006,421	1,008,109	1,076,420	1,112,466	1,146,136	1,200,201	1,213,637	1,237,230	1,257,047	1,273,344	1,288,740	1,315,130	1,344,755	1,369,395	1,384,233	1,399,000	1,411,233	1,421,439	1,434,000	1,443,680	1,453,939	1,453,939	1,453,939	1,453,939
2008	60,614	254,231	266,381	320,759	400,143	502,530	517,750	562,296	587,385	596,073	615,335	666,862	688,613	698,412	705,588	705,588	705,588	705,588	705,588	722,084	736,870	753,469	767,275	775,589	783,863	790,717	796,435	803,473	808,897	814,645	814,645	814,645	814,645
2009	93,362	282,127	442,836	504,349	532,197	540,101	592,613	612,576	623,399	659,857	675,804	690,692	690,692	712,041	712,041	712,041	712,041	712,041	725,931	742,902	758,115	775,192	789,396	797,950	806,462	813,514	819,397	826,638	832,218	838,132	838,132	838,132	838,132
2010	-	125,006	229,422	248,031	338,015	353,987	378,531	446,308	485,492	507,551	521,824	560,509	560,509	563,408	578,782	582,201	588,055	602,257	614,006	628,361	641,228	655,672	667,686	674,921	682,121	688,085	693,062	699,186	703,906	708,908	708,908	708,908	708,908
2011	120,046	332,076	612,202	684,075	752,341	813,135	874,773	904,905	930,473	968,523	1,019,798	1,040,105	1,077,136	1,135,081	1,171,861	1,177,638	1,201,857	1,230,884	1,254,896	1,284,233	1,310,531	1,340,052	1,364,606	1,379,393	1,394,108	1,406,298	1,416,468	1,428,985	1,438,632	1,448,855	1,448,855	1,448,855	1,448,855
2012	9,999	133,785	188,289	213,486	235,093	249,801	271,398	287,908	297,472	305,720	305,720	305,720	305,720	305,720	305,720	315,551	322,041	329,819	336,253	344,114	351,160	359,071	365,650	369,612	373,555	376,821	379,546	382,900	385,485	388,224	388,224	388,224	388,224
2013	43,387	221,753	340,269	510,062	602,181	636,244	850,328	905,949	1,032,105	1,078,285	1,148,079	1,183,499	1,185,684	1,218,799	1,250,516	1,290,729	1,317,274	1,349,088	1,375,406	1,407,561	1,436,384	1,468,740	1,495,652	1,511,859	1,527,987	1,541,347	1,552,495	1,566,214	1,576,787	1,587,991	1,587,991	1,587,991	1,587,991
2014	18,035	250,466	420,375	484,944	548,829	581,613	606,670	638,491	656,711	706,966	714,272	716,257	729,198	751,210	770,759	795,544	811,906	831,514	847,735	867,554	885,320	905,262	921,849	931,838	941,779	950,014	956,885	965,340	971,857	978,763	978,763	978,763	978,763
2015	-	37,773	84,716	91,292	104,472	107,157	107,157	107,157	107,157	107,157	107,157	107,157	109,728	113,040	115,982	119,711	122,173	125,124	127,565	130,547	133,220	136,221	138,717	140,220	141,716	142,955	143,989	145,262	146,242	147,282	147,282	147,282	147,282
2016		275,228	350,684	411,051	494,944	580,460	651,093	721,097	763,329	794,639	843,319	890,490	911,852	939,378	963,823	994,817	1,015,277	1,039,797	1,060,081	1,084,864	1,107,080	1,132,018	1,152,759	1,165,251	1,177,681	1,187,979	1,196,571	1,207,144	1,215,293	1,223,929	1,223,929	1,223,929	1,223,929
2017	141,856	295,863	425,489	444,673	515,254	554,058	564,063	618,660	625,438	637,724	664,526	701,697	718,529	740,220	759,482	783,905	800,027	819,349	835,333	854,861	872,367	892,018	908,362	918,205	928,000	936,115	942,885	951,217	957,638	964,443	964,443	964,443	964,443
2018	73,595	255,822	317,239	367,138	435,392	507,450	620,860	698,146	702,591	733,484	764,311	807,063	826,423	851,370	873,525	901,615	920,158	942,381	960,765	983,226	1,003,361	1,025,962	1,044,761	1,056,082	1,067,348	1,076,681	1,084,467	1,094,051	1,101,436	1,109,263	1,109,263	1,109,263	1,109,263
2019	-	116,852	182,025	230,417	287,383	303,436	318,684	345,858	355,379	371,005	386,598	408,222	418,015	430,634	441,840	456,048	465,428	476,668	485,967	497,328	507,512	518,945	528,453	534,179	539,878	544,598	548,537	553,384	557,120	561,079	561,079	561,079	561,079
2020	8,637	41,206	51,832	99,099	106,211	120,903	120,903	130,755	134,354	140,262	146,157	154,332	158,034	162,805	167,041	172,413	175,959	180,209	183,724	188,019	191,869	196,191	199,786	201,951	204,105	205,890	207,379	209,212	210,624	212,121	212,121	212,121	212,121
2021	-	14,326	38,178	83,880	125,124	144,343	158,964	171,917	176,650	184,417	192,168	202,917	207,784	214,057	219,627	226,690	231,352	236,939	241,562	247,209	252,271	257,954	262,680	265,527	268,359	270,706	272,664	275,073	276,930	278,898	278,898	278,898	278,898
2022	19,593	70,940	191,485	242,119	315,249	352,360	388,051	419,673	431,226	450,186	469,107	495,346	507,229	522,541	536,139	553,380	564,761	578,400	589,684	603,470	615,827	629,699	641,237	648,186	655,100	660,828	665,608	671,490	676,022	680,826	680,826	680,826	680,826
2023	-	84,385	143,612	155,850	190,074	212,450	233,969	253,035	260,000	271,433	282,840	298,661	305,826	315,058	323,256	333,651	340,513	348,737	355,540	363,852	371,303	379,667	386,623	390,813	394,982	398,436	401,317	404,864	407,597	410,493	410,493	410,493	410,493
2024	12,373	75,710	132,398	170,907	208,439	232,976	256,574	277,482	285,121	297,657	310,167	327,517	335,373	345,497	354,488	365,887	373,412	382,431	389,891	399,006	407,177	416,349	423,978	428,572	433,144	436,931	440,091	443,980	446,977	450,153	450,153	450,153	450,153
2025	10,943	17,313	30,925	39,921	48,687	54,419	59,931	64,814	66,598	69,527	72,449	76,501	78,336	80,701	82,801	85,464	87,222	89,328	91,071	93,200	95,108	97,251	99,033	100,106	101,174	102,058	102,796	103,705	104,405	105,147	105,147	105,147	105,147
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Selection of Loss Development Factors

	Development Period in Months																														
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - TO DATE
1994																															
1995								9.287	1.127	1.000	1.241	1.000	1.041	1.014	1.069	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996	20.468	3.225	2.443	2.047	1.410	1.265	1.162	1.143	1.103	1.083	1.072	1.052	1.076	1.061	1.043	1.032	1.031	1.021	1.035	1.021	1.023	1.023	1.020	1.011	1.008	1.006	1.008	1.007	1.008	1.009	
1997	16.969	2.041	1.600	1.265	1.152	1.071	1.019	1.041	1.041	1.021	1.095	1.027	1.040	1.046	1.019	1.013	1.006	1.012	1.012	1.008	1.029	1.015	1.014	1.010	1.004	1.012	1.012	1.004	1.003		
1998	12.596	2.014	1.343	1.147	1.074	1.053	1.029	1.071	1.035	1.080	1.051	1.056	1.031	1.025	1.017	1.018	1.019	1.010	1.012	1.018	1.031	1.016	1.004	1.006	1.001	1.003	1.006	1.006			
1999	4.847	1.346	1.267	1.193	1.134	1.024	1.045	1.040	1.062	1.097	1.059	1.033	1.018	1.019	1.016	1.011	1.013	1.022	1.019	1.018	1.009	1.005	1.006	1.018	1.014	1.028	1.016				
2000	1.899	1.355	1.183	1.155	1.107	1.073	1.132	1.032	1.053	1.042	1.027	1.026	1.029	1.029	1.029	1.026	1.024	1.029	1.034	1.027	1.022	1.016	1.014	1.013	1.017	1.005					
2001		3.234	1.268	1.346	1.120	1.179	1.166	1.155	1.112	1.047	1.052	1.037	1.017	1.018	1.009	1.013	1.046	1.045	1.024	1.032	1.016	1.010	1.008	1.000	1.030						
2002	10.139	2.111	1.125	1.147	1.072	1.092	1.039	1.043	1.094	1.033	1.046	1.078	1.043	1.070	1.090	1.065	1.041	1.023	1.011	1.002	1.006	1.002	1.012	1.010							
2003	2.817	1.576	1.195	1.149	1.129	1.151	1.063	1.049	1.089	1.032	1.076	1.029	1.063	1.058	1.049	1.046	1.039	1.032	1.046	1.023	1.006	1.018	1.000								
2004	4.773	1.326	1.368	1.217	1.136	1.111	1.059	1.037	1.046	1.032	1.043	1.015	1.037	1.036	1.053	1.030	1.011	1.007	1.053	1.032	1.029	1.028									
2005	3.426	1.446	1.590	1.161	1.212	1.132	1.037	1.039	1.095	1.041	1.261	1.036	1.008	1.010	1.007	1.003	1.004	1.000	1.000	1.000	1.000										
2006	4.337	3.865	1.419	1.348	1.051	1.042	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.218	1.000	1.120	1.000	1.086	1.143	1.201											
2007	41.628	3.049	1.218	1.215	1.257	1.101	1.081	1.141	1.098	1.002	1.068	1.033	1.030	1.047	1.011	1.019	1.016	1.013	1.012												
2008	4.194	1.048	1.204	1.247	1.256	1.030	1.086	1.045	1.015	1.032	1.084	1.033	1.014	1.010	1.000	1.000	1.000	1.000													
2009	3.022	1.570	1.139	1.055	1.015	1.097	1.034	1.018	1.058	1.024	1.022	1.000	1.031	1.000	1.000	1.000	1.000														
2010		1.835	1.081	1.363	1.047	1.069	1.179	1.088	1.045	1.028	1.074	1.000	1.005	1.027	1.006	1.010															
2011	2.766	1.844	1.117	1.100	1.081	1.076	1.034	1.028	1.041	1.053	1.020	1.036	1.054	1.032	1.005																
2012	13.380	1.407	1.134	1.101	1.063	1.086	1.061	1.033	1.028	1.000	1.000	1.000	1.000	1.000																	
2013	5.111	1.534	1.499	1.181	1.057	1.336	1.065	1.139	1.045	1.065	1.031	1.002	1.028																		
2014	13.888	1.678	1.154	1.132	1.060	1.043	1.052	1.029	1.077	1.010	1.003	1.018																			
2015		2.243	1.078	1.144	1.026	1.000	1.000	1.000	1.000	1.000	1.000																				
2016		1.274	1.172	1.204	1.173	1.122	1.108	1.059	1.041	1.061																					
2017	2.086	1.438	1.045	1.159	1.075	1.018	1.097	1.011	1.020																						
2018	3.476	1.240	1.157	1.186	1.166	1.223	1.124	1.006																							
2019		1.558	1.266	1.247	1.056	1.050	1.085																								
2020	4.771	1.258	1.912	1.072	1.138	1.000																									
2021		2.665	2.197	1.492	1.154																										
2022	3.621	2.699	1.264	1.302																											
2023		1.702	1.085																												
2024	6.119	1.749																													
2025	1.582																														
VOL WTD 3	7.609	2.023	1.291	1.286	1.096	1.138	1.106	1.026	1.029	1.035	1.019	1.007	1.035	1.026	1.004	1.003	1.007	1.022	1.019	1.034	1.011	1.013	1.008	1.011	1.017	1.009	1.010	1.007	1.007	1.009	1.000	NA
VOL WTD 5	6.122	1.945	1.336	1.241	1.109	1.101	1.101	1.026	1.044	1.042	1.018	1.014	1.030	1.017	1.005	1.020	1.005	1.010	1.032	1.022	1.011	1.015	1.011	1.010	1.009	1.007	1.009	1.007	1.007	1.009	1.000	NA
VOL WTD ALL	3.956	1.729	1.403	1.332	1.192	1.135	1.099	1.088	1.073	1.066	1.064	1.043	1.050	1.045	1.032	1.026	1.024	1.020	1.028	1.020	1.023	1.018	1.015	1.011	1.009	1.007	1.009	1.007	1.007	1.009	1.000	NA
ARITH 3	3.851	2.050	1.516	1.289	1.116	1.091	1.102	1.025	1.020	1.024	1.011	1.007	1.027	1.020	1.004	1.003	1.005	1.033	1.052	1.078	1.012	1.016	1.007	1.008	1.020	1.012	1.012	1.006	1.004	1.004	1.000	NA
ARITH 5	3.774	2.015	1.545	1.260	1.118	1.083	1.083	1.021	1.036	1.027	1.011	1.011	1.024	1.014	1.004	1.030	1.004	1.021	1.051	1.052	1.011	1.015	1.008	1.009	1.013	1.011	1.009	1.004	1.004	1.004	1.000	NA
ARITH ALL	8.170	1.908	1.340	1.236	1.124	1.098	1.073	1.397	1.058	1.036	1.063	1.025	1.030	1.040	1.025	1.025	1.017	1.021	1.031	1.032	1.016	1.013	1.009	1.009	1.010	1.009	1.009	1.004	1.004	1.004	1.000	NA
5 YR HI LO	3.621	2.039	1.481	1.245	1.122	1.063	1.097	1.015	1.035	1.024	1.008	1.007	1.021	1.013	1.004	1.010	1.001	1.007	1.037	1.019	1.009	1.015	1.009	1.010	1.011	1.007	1.009	1.005	1.003	NA	NA	NA
7 YR HI LO	4.196	1.786	1.337	1.220	1.118	1.047	1.081	1.028	1.035	1.031	1.015	1.011	1.022	1.023	1.004	1.012	1.006	1.015	1.029	1.023	1.012	1.013	1.009	1.010	1.009	1.006	1.009	1.005	1.003	NA	NA	NA
ALL YR HI LO	6.891	1.867	1.309	1.211	1.116	1.092	1.072	1.057	1.057	1.034	1.056	1.024	1.029	1.031	1.022	1.021	1.016	1.018	1.023	1.018	1.016	1.013	1.008	1.008	1.009	1.006	1.009	1.005	1.003	NA	NA	NA
SELECTED	4.196	1.786	1.291	1.220	1.118	1.101	1.081	1.028	1.044	1.042	1.056	1.024	1.030	1.026	1.032	1.021	1.024	1.020	1.023	1.020	1.023	1.018	1.011	1.011	1.009	1.007	1.009	1.007	1.007	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Paid Losses

	Development in Months																																		
RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384			
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1995	-	-	-	-	-	-	-	7,781	72,262	81,424	81,424	101,034	101,034	105,196	106,705	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027		
1996	40,315	825,163	2,661,261	6,501,447	13,306,297	18,763,883	23,739,102	27,582,411	31,527,613	34,772,269	37,648,713	40,357,163	42,435,822	45,667,046	48,470,202	50,559,450	52,186,605	53,783,992	54,912,591	56,824,790	58,025,854	59,374,919	60,718,047	61,904,710	62,581,534	63,089,470	63,446,777	63,960,342	64,428,677	64,921,057	65,488,880				
1997	61,400	1,041,894	2,126,620	3,402,864	4,304,438	4,959,870	5,311,545	5,412,008	5,631,204	5,859,361	5,980,682	6,550,759	6,730,658	7,001,728	7,322,383	7,463,064	7,561,344	7,606,213	7,693,757	7,786,570	7,847,588	8,076,143	8,200,584	8,314,134	8,400,063	8,432,328	8,529,481	8,634,234	8,672,440	8,700,333					
1998	239,795	3,020,539	6,082,103	8,166,209	9,362,979	10,056,302	10,590,121	10,900,249	11,672,631	12,084,683	13,048,145	13,715,709	14,486,904	14,939,288	15,307,254	15,563,116	15,850,058	16,146,232	16,300,669	16,488,426	16,780,230	17,302,091	17,577,886	17,656,596	17,767,188	17,787,196	17,844,937	17,956,315	18,061,814						
1999	436,835	2,117,489	2,850,714	3,612,158	4,310,390	4,887,669	5,004,738	5,229,646	5,437,095	5,775,774	6,336,659	6,710,403	6,934,800	7,060,600	7,194,630	7,308,369	7,391,465	7,485,926	7,647,642	7,789,569	7,932,795	8,006,625	8,043,053	8,094,074	8,240,849	8,352,378	8,582,716	8,723,587							
2000	1,976,191	3,752,109	5,085,625	6,014,419	6,946,570	7,691,401	8,250,249	9,341,059	9,639,862	10,149,244	10,572,564	10,852,788	11,129,695	11,457,193	11,788,042	12,130,501	12,444,988	12,741,045	13,106,242	13,555,378	13,923,349	14,229,363	14,462,665	14,671,290	14,860,553	15,114,702	15,187,804								
2001	-	147,472	476,981	604,628	813,801	911,192	1,074,243	1,252,777	1,447,406	1,609,378	1,685,756	1,773,480	1,839,082	1,870,679	1,904,981	1,922,955	1,947,793	2,036,744	2,128,610	2,178,924	2,248,041	2,284,583	2,307,605	2,324,971	2,324,971	2,393,583									
2002	47,379	480,361	1,014,084	1,140,741	1,308,579	1,402,608	1,531,018	1,591,392	1,659,124	1,814,667	1,875,002	1,960,925	2,114,181	2,204,070	2,358,085	2,569,598	2,737,830	2,849,874	2,914,700	2,946,891	2,951,515	2,970,446	2,975,246	3,011,677	3,040,732										
2003	71,422	201,172	317,027	378,728	435,080	491,064	565,402	600,804	630,373	686,253	708,407	762,255	784,155	833,873	881,870	925,066	967,687	1,005,806	1,037,603	1,085,752	1,111,211	1,117,464	1,137,400	1,137,400											
2004	84,160	401,722	532,740	728,973	887,261	1,008,297	1,120,106	1,186,075	1,229,393	1,286,274	1,327,154	1,384,142	1,404,444	1,456,535	1,508,295	1,588,561	1,635,498	1,654,081	1,666,236	1,754,136	1,810,428	1,862,941	1,915,400												
2005	115,085	394,303	570,217	906,812	1,053,062	1,275,950	1,444,651	1,497,871	1,556,506	1,704,631	1,773,966	2,236,223	2,315,908	2,334,050	2,357,368	2,374,726	2,382,660	2,391,427	2,391,427	2,391,427	2,391,427	2,391,427													
2006	8,574	37,183	143,721	203,989	274,938	288,877	300,938	300,938	300,938	300,938	300,938	300,938	300,938	300,938	366,445	366,445	410,371	410,371	445,501	509,227	611,329														
2007	2,861	119,076	363,029	442,068	537,077	674,872	743,159	803,483	916,913	1,006,421	1,008,109	1,076,420	1,112,466	1,146,136	1,200,201	1,213,637	1,237,230	1,257,047	1,273,344	1,288,740															
2008	60,614	254,231	266,381	320,759	400,143	502,530	517,750	562,296	587,385	596,073	615,335	666,862	688,613	698,412	705,588	705,588	705,588	705,588	705,588																
2009	93,362	282,127	442,836	504,349	532,197	540,101	592,613	612,576	623,399	659,857	675,804	690,692	690,692	712,041	712,041	712,041	712,041	712,041																	
2010	-	125,006	229,422	248,031	338,015	353,987	378,531	446,308	485,492	507,551	521,824	560,509	560,509	563,408	578,782	582,201	588,055																		
2011	120,046	332,076	612,202	684,075	752,341	813,135	874,773	904,905	930,473	968,523	1,019,798	1,040,105	1,077,136	1,135,081	1,171,861	1,177,638																			
2012	9,999	133,785	188,289	213,486	235,093	249,801	271,398	287,908	297,472	305,720	305,720	305,720	305,720	305,720	305,720																				
2013	43,387	221,753	340,269	510,062	602,181	636,244	850,328	905,949	1,032,105	1,078,285	1,148,079	1,183,499	1,185,684	1,218,799																					
2014	18,035	250,466	420,375	484,944	548,829	581,613	606,670	638,491	656,711	706,966	714,272	716,257	729,198																						
2015	-	37,773	84,716	91,292	104,472	107,157	107,157	107,157	107,157	107,157	107,157	107,157																							
2016	-	275,228	350,684	411,051	494,944	580,460	651,093	721,097	763,329	794,639	843,319																								
2017	141,856	295,863	425,489	444,673	515,254	554,058	564,063	618,660	625,438	637,724																									
2018	73,595	255,822	317,239	367,138	435,392	507,450	620,860	698,146	702,591																										
2019	-	116,852	182,025	230,417	287,383	303,436	318,684	345,858																											
2020	8,637	41,206	51,832	99,099	106,211	120,903	120,903																												
2021	-	14,326	38,178	83,880	125,124	144,343																													
2022	19,593	70,940	191,485	242,119	315,249																														
2023	-	84,385	143,612	155,850																															
2024	12,373	75,710	132,398																																
2025	10,943	17,313																																	
2026	-																																		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Summary of Incurred Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	INC LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	114,027	114,027	114,027	-	-	-
1996	68,420,436	65,488,880	68,420,436	2,931,556	-	2,931,556
1997	9,071,124	8,700,333	9,071,124	370,791	-	370,791
1998	18,899,919	18,061,814	18,899,919	838,105	-	838,105
1999	9,051,963	8,723,587	9,051,963	328,376	-	328,376
2000	16,741,766	15,187,804	16,741,766	1,553,963	-	1,553,963
2001	3,065,532	2,393,583	3,065,532	671,949	-	671,949
2002	3,239,172	3,040,732	3,239,172	198,440	-	198,440
2003	1,146,436	1,137,400	1,146,436	9,036	-	9,036
2004	2,368,753	1,915,400	2,368,753	453,353	-	453,353
2005	2,805,787	2,391,427	2,788,380	396,953	17,407	414,360
2006	773,069	611,329	761,499	150,170	11,570	161,740
2007	1,305,948	1,288,740	1,273,344	(15,397)	32,605	17,208
2008	734,588	705,588	705,588	-	28,999	28,999
2009	884,492	712,041	838,041	126,000	46,451	172,451
2010	735,542	588,055	680,551	92,496	54,991	147,487
2011	1,870,247	1,177,638	1,717,084	539,447	153,162	692,609
2012	333,280	305,720	305,720	-	27,560	27,560
2013	1,479,613	1,218,799	1,323,850	105,051	155,763	260,814
2014	874,465	729,198	771,816	42,618	102,649	145,267
2015	123,642	107,157	107,157	-	16,485	16,485
2016	1,338,155	843,319	1,154,940	311,622	183,214	494,836
2017	759,868	637,724	648,373	10,649	111,495	122,144
2018	1,222,289	702,591	991,646	289,055	230,643	519,698
2019	517,785	345,858	406,576	60,717	111,209	171,926
2020	176,993	120,903	137,211	16,308	39,782	56,090
2021	189,627	144,343	145,913	1,570	43,714	45,284
2022	985,802	315,249	742,428	427,178	243,374	670,553
2023	309,725	155,850	224,178	68,328	85,547	153,876
2024	261,657	132,398	181,774	49,377	79,883	129,259
2025	408,053	17,313	267,061	249,748	140,992	390,740
2026	546,020	-	199,900	199,900	346,120	546,020
TOTAL	150,755,775	138,014,798	148,492,159	10,477,360	2,263,616	12,740,976

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.000
1995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3.677	1.000	1.321	1.000	1.000	1.000	1.000	0.939	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1996	0.902	1.033	0.991	1.066	1.057	1.024	1.023	0.987	0.975	1.004	0.996	1.020	1.016	1.030	1.013	1.015	1.034	1.021	1.013	1.003	1.004	1.011	1.002	1.002	1.006	1.011	1.009	1.010	0.997	0.983	1.000	1.000	1.000
1997	1.390	1.115	1.160	1.129	1.027	1.003	0.952	0.966	1.029	1.097	0.987	1.023	1.012	1.039	1.011	1.002	1.015	0.991	1.012	0.992	1.014	1.012	0.988	1.004	1.008	1.031	1.004	0.993	0.992	1.000	1.000	1.000	1.000
1998	1.204	1.387	1.084	1.040	1.045	0.968	1.004	1.048	1.012	1.016	1.052	1.024	1.027	1.042	1.012	1.001	1.040	1.005	0.996	1.022	1.016	0.999	0.996	0.996	0.999	1.001	0.993	0.997	1.000	1.000	1.000	1.000	1.000
1999	1.493	0.969	0.943	1.049	0.966	0.917	0.987	1.020	1.014	1.030	1.015	1.045	1.002	0.997	0.993	0.994	1.022	0.979	1.016	0.995	1.023	1.014	1.030	0.987	1.009	1.011	0.981	1.000	1.000	1.000	1.000	1.000	1.000
2000	1.136	1.121	1.037	0.937	0.929	1.060	1.052	1.050	1.019	0.996	0.996	1.030	1.009	1.011	1.014	1.017	1.007	1.028	1.012	1.067	1.019	0.997	0.982	1.011	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2001	0.894	1.056	0.855	0.998	0.890	1.048	1.091	1.024	0.960	1.023	1.000	0.984	0.957	0.882	1.020	1.002	1.255	1.044	0.973	0.971	1.003	0.999	0.989	1.016	0.974	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002	1.054	0.964	0.915	0.935	1.005	1.039	0.958	1.018	1.178	1.080	0.992	0.956	1.010	1.074	1.000	0.999	1.001	0.990	0.979	1.000	1.000	1.000	0.985	1.016	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003	0.807	1.057	0.842	0.951	0.999	1.040	0.981	1.033	1.057	1.014	1.030	0.918	1.018	0.960	1.011	1.000	1.003	1.030	1.016	1.003	1.000	0.984	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004	0.797	0.966	1.014	1.054	0.994	0.990	0.961	1.022	0.990	0.966	0.989	0.990	1.034	1.125	1.046	1.000	1.054	1.000	1.115	0.980	0.986	0.978	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005	0.935	0.961	1.095	0.982	1.010	0.880	1.015	1.011	1.006	0.956	1.012	0.993	1.008	1.016	1.000	1.000	0.987	1.000	1.000	1.000	1.000	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006	0.780	0.862	0.954	1.032	0.896	0.992	1.000	1.000	0.900	1.000	0.889	1.332	1.000	1.173	1.000	1.000	1.142	1.134	0.978	0.960	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007	0.911	1.068	1.001	0.914	1.102	1.090	1.075	1.047	0.964	1.000	1.030	1.026	1.000	1.039	1.003	0.987	0.994	0.963	0.966	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008	0.755	0.932	0.985	1.262	1.008	1.025	0.999	1.000	0.961	1.000	1.084	1.037	1.000	0.990	1.000	1.000	1.000	1.000	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009	1.125	0.974	0.970	0.998	1.031	1.010	0.995	1.000	0.975	1.000	0.992	0.935	1.135	1.000	1.000	1.028	1.000	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010	0.696	0.950	0.912	1.001	0.981	1.000	0.974	1.023	0.918	1.021	0.991	1.000	1.000	1.000	0.834	0.991	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011	1.120	1.151	0.990	1.263	1.043	1.000	1.005	1.009	1.027	0.964	1.000	1.001	1.000	0.972	0.997	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012	1.069	0.864	0.937	0.721	1.037	0.995	1.000	1.000	0.848	1.000	1.000	1.000	1.000	1.000	1.000	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013	0.916	1.273	1.078	1.013	1.113	1.093	0.988	1.084	1.092	1.000	1.000	1.000	0.976	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014	1.190	0.875	1.022	0.977	1.008	0.995	1.000	1.055	1.136	0.988	0.903	0.984	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015	1.537	0.675	0.868	0.864	0.557	1.000	1.000	1.000	1.000	1.000	1.000	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016	2.647	1.049	1.127	1.090	1.008	1.113	1.017	1.010	1.000	0.940	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017	1.426	0.814	1.167	1.000	1.054	1.000	0.987	1.008	0.981	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018	0.948	1.088	0.984	1.328	1.000	1.000	0.985	1.282	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019	1.509	1.000	1.198	1.033	1.000	0.916	0.815	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020	1.001	1.000	0.771	0.938	1.120	0.474	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2021	1.000	2.289	1.222	0.894	0.884	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2022	7.967	1.084	0.962	1.172	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2023	1.394	1.000	0.898	1.041	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2024	1.323	0.554	1.042	1.041	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2025	0.954	1.061	1.042	1.041	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2026	1.788	1.061	1.042	1.041	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	91,936	91,936	121,424	121,424	121,424	121,424	121,424	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027
1996	53,438,129	48,183,730	49,780,073	49,350,636	52,600,676	55,585,943	56,938,554	58,222,257	57,473,345	56,052,764	56,291,309	56,079,436	57,174,856	58,116,175	59,879,015	60,672,257	61,590,198	63,693,935	65,051,438	65,879,154	66,051,501	66,311,419	67,048,366	67,149,784	67,290,197	67,721,583	68,481,968	69,119,710	69,822,027	69,619,543	68,420,436	68,420,436	68,420,436
1997	3,678,255	5,111,762	5,700,295	6,614,604	7,469,943	7,673,855	7,697,323	7,325,502	7,073,575	7,280,243	7,986,591	7,881,924	8,059,610	8,152,415	8,471,882	8,568,893	8,584,324	8,713,880	8,636,397	8,738,364	8,670,098	8,791,796	8,900,508	8,793,515	8,827,197	8,894,995	9,170,047	9,208,051	9,143,330	9,071,124	9,071,124	9,071,124	9,071,124
1998	7,395,437	8,907,577	12,355,029	13,390,188	13,927,716	14,558,741	14,089,887	14,147,617	14,826,931	15,011,795	15,256,883	16,050,432	16,442,648	16,893,983	17,595,636	17,812,094	17,833,534	18,544,239	18,635,422	18,556,410	18,959,420	19,257,468	19,233,513	19,165,402	19,092,871	19,073,396	19,091,235	18,961,780	18,899,919	18,899,919	18,899,919	18,899,919	18,899,919
1999	6,099,940	9,106,226	8,823,567	8,318,684	8,725,315	8,427,344	7,729,156	7,631,265	7,782,555	7,892,306	8,125,813	8,244,268	8,615,271	8,629,044	8,601,585	8,538,589	8,486,676	8,672,383	8,488,465	8,622,243	8,579,793	8,774,792	8,895,942	9,165,315	9,048,871	9,128,488	9,228,991	9,051,963	9,051,963	9,051,963	9,051,963	9,051,963	9,051,963
2000	10,146,846	11,531,853	12,930,711	13,409,680	12,567,528	11,676,997	12,371,958	13,015,388	13,672,418	13,930,894	13,878,373	13,826,241	14,237,176	14,367,954	14,533,141	14,730,829	14,984,275	15,089,638	15,510,264	15,701,806	16,756,511	17,081,241	17,026,831	16,712,710	16,902,938	16,760,097	16,741,766	16,741,766	16,741,766	16,741,766	16,741,766	16,741,766	16,741,766
2001	3,612,189	3,229,876	3,410,602	2,914,614	2,909,090	2,589,769	2,712,892	2,958,847	3,029,443	2,909,333	2,975,541	2,974,652	2,928,162	2,801,754	2,470,388	2,519,369	2,525,271	3,169,269	3,310,268	3,221,842	3,127,766	3,137,166	3,133,534	3,098,095	3,148,194	3,065,532	3,065,532	3,065,532	3,065,532	3,065,532	3,065,532	3,065,532	3,065,532	3,065,532
2002	2,887,973	3,045,240	2,935,097	2,684,520	2,508,971	2,520,894	2,620,222	2,511,289	2,555,466	3,011,044	3,250,885	3,223,769	3,081,785	3,114,120	3,344,801	3,344,801	3,340,765	3,344,498	3,309,504	3,239,727	3,239,727	3,239,727	3,239,727	3,189,726	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172	3,239,172
2003	1,540,300	1,243,643	1,313,939	1,106,899	1,052,163	1,051,369	1,093,626	1,072,571	1,107,456	1,170,319	1,186,376	1,221,833	1,121,174	1,141,226	1,095,114	1,107,026	1,107,025	1,110,057	1,143,214	1,161,780	1,165,418	1,165,418	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436	1,146,436
2004	2,351,365	1,873,716	1,810,491	1,836,564	1,934,944	1,923,521	1,904,995	1,830,594	1,870,298	1,851,845	1,789,256	1,770,350	1,752,809	1,811,564	2,037,947	2,132,503	2,132,503	2,248,009	2,248,009	2,506,657	2,456,656	2,421,212	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753	2,368,753
2005	3,238,116	3,029,141	2,910,583	3,186,816	3,130,310	3,162,222	2,781,320	2,823,319	2,855,744	2,871,585	2,744,820	2,777,459	2,757,862	2,778,623	2,824,321	2,824,321	2,824,321	2,788,380	2,788,380	2,788,380	2,788,380	2,788,380	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787	2,805,787
2006	850,019	663,383	572,076	545,903	563,399	504,752	500,941	500,941	500,941	450,940	450,940	400,940	533,939	533,939	626,438	626,438	626,438	715,521	811,501	793,457	761,499	768,273	773,069	773,069	773,069	773,069	773,069	773,069	773,069	773,069	773,069	773,069	773,069
2007	1,090,014	993,082	1,060,685	1,062,066	970,948	1,070,209	1,166,127	1,253,301	1,312,571	1,264,959	1,264,959	1,302,593	1,336,035	1,336,035	1,388,675	1,393,322	1,375,354	1,367,517	1,317,516	1,273,344	1,286,404	1,297,847	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948	1,305,948
2008	731,009	551,962	514,640	506,914	639,744	644,925	660,908	660,233	660,233	634,174	634,174	687,450	712,613	712,613	705,588	705,588	705,588	705,588	705,588	716,248	723,594	730,030	734,588	734,588	734,588	734,588	734,588	734,588	734,588	734,588	734,588	734,588	734,588
2009	722,859	813,160	792,224	768,528	767,285	790,728	798,504	794,123	794,123	774,343	774,343	767,806	717,805	815,042	815,042	815,042	838,041	838,041	849,575	862,409	871,255	879,005	884,492	884,492	884,492	884,492	884,492	884,492	884,492	884,492	884,492	884,492	884,492
2010	1,501,515	1,045,356	993,470	905,640	906,778	889,689	889,689	866,612	886,809	814,151	831,186	823,410	823,410	823,409	823,409	686,405	680,551	696,913	706,505	717,178	724,534	730,979	735,542	735,542	735,542	735,542	735,542	735,542	735,542	735,542	735,542	735,542	735,542
2011	1,049,033	1,175,046	1,352,536	1,338,970	1,691,617	1,763,581	1,763,581	1,773,194	1,789,194	1,836,973	1,771,122	1,771,122	1,772,862	1,772,862	1,722,861	1,717,084	1,730,423	1,772,026	1,796,415	1,823,553	1,842,257	1,858,644	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247	1,870,247
2012	560,806	599,281	517,535	484,868	349,610	362,382	360,480	360,480	360,480	305,720	305,720	305,720	305,720	305,720	305,720	305,720	305,986	308,363	315,777	320,123	324,959	328,292	331,212	333,280	333,280	333,280	333,280	333,280	333,280	333,280	333,280	333,280	333,280
2013	749,010	686,060	873,521	942,049	954,324	1,061,991	1,160,751	1,147,103	1,242,963	1,357,285	1,356,966	1,356,966	1,356,966	1,323,850	1,357,260	1,358,441	1,368,994	1,401,907	1,421,202	1,442,672	1,457,470	1,470,434	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613	1,479,613
2014	704,012	837,531	732,853	748,791	731,229	737,336	733,721	733,721	773,923	879,488	869,123	784,757	771,816	782,408	802,153	802,852	809,089	828,540	839,944	852,633	861,378	869,040	874,465	874,465	874,465	874,465	874,465	874,465	874,465	874,465	874,465	874,465	874,465
2015	247,006	379,643	256,400	222,633	192,349	107,159	107,159	107,158	107,158	107,158	107,158	107,157	109,129	110,626	113,418	113,517	114,399	117,149	118,761	120,555	121,792	122,875	123,642	123,642	123,642	123,642	123,642	123,642	123,642	123,642	123,642	123,642	123,642
2016	313,080	828,611	868,811	978,809	1,066,742	1,075,089	1,196,458	1,216,866	1,228,556	1,228,556	1,154,940	1,159,739	1,181,075	1,197,283	1,227,499	1,228,567	1,238,111	1,267,878	1,285,328	1,304,746	1,318,128	1,329,853	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155	1,338,155
2017	465,002	662,914	539,396	629,732	629,732	663,561	663,561	655,198	660,660	648,373	655,831	658,555	670,671	679,875	697,033	697,640	703,059	719,962	729,871	740,897	748,496	755,154	759,868	759,868	759,868	759,868	759,868	759,868	759,868	759,868	759,868	759,868	759,868
2018	582,224	551,894	600,621	590,864	784,953	784,953	784,953	773,391	991,646	1,042,943	1,054,939	1,059,321	1,078,811	1,093,615	1,121,214	1,122,191	1,130,908	1,158,097	1,174,036	1,191,773	1,203,996	1,214,706	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289	1,222,289
2019	291,503	439,872	439,872	526,812	544,232	544,232	498,650	406,576	420,080	441,810	446,892	448,749	457,005	463,276	474,968	475,381	479,074	490,592	497,344	504,858	510,036	514,573	517,785	517,785	517,785	517,785	517,785	517,785	517,785	517,785	517,785	517,785	517,785
2020	357,003	357,216	357,215	275,274	258,212	289,211	137,211	138,978	143,595	151,023	152,760	153,394	156,216	158,360	162,357	162,498	163,760	167,697	170,005	172,574	174,344	175,895	176,993	176,993	176,993	176,993	176,993	176,993	176,993	176,993	176,993	176,993	176,993
2021	66,002	66,001	151,100	184,642	165,132	145,913	147,006	148,900	153,845	161,803	163,665	164,344	167,368	169,665	173,947	174,098	175,451	179,669	182,142	184,893	186,790	188,451	189,627	189,627	189,627	189,627	189,627	189,627	189,627	189,627	189,627	189,627	189,627
2022	76,203	607,100	658,237	633,454	742,428	758,547	764,227	774,073	799,784	841,156	850,830	854,365	870,084	882,024	904,283	905,071	912,102	934,030	946,885	961,190	971,049	979,686	985,802	985,802	985,802	985,802	985,802	985,802	985,802	985,802	985,802	985,802	985,802
2023	179,002	249,601	249,601	224,178	233,261	238,325	240,110	243,203	251,281	264,280	267,319	268,430	273,368	277,120	284,113	284,361	286,570	293,459	297,498	301,993	305,090	307,804	309,725	309,725	309,725	309,725	309,725	309,725	309,725	309,725	309,725	309,725	309,725
2024	248,004	328,000	181,774	189,386	197,059	201,338	202,845	205,459	212,283	223,264	225,832	226,770	230,942	234,111	240,020	240,229	242,095	247,915	251,327	255,124	257,741	260,034	261,657	261,657	261,657	261,657	261,657	261,657	261,657	261,657	261,657	261,657	261,657
2025	279,801	267,061	283,476	295,347	307,313	313,985	316,336	320,412	331,054	348,179	352,184	353,647	360,154	365,096	374,310	374,636	377,546	386,623	391,944	397,865	401,946	405,521	408,053	408,053	408,053	408,053	408,053	408,053	408,053	408,053	408,053	408,053	408,053
2026	199,900	357,358	379,323	395,207	411,219	420,147	423,293	428,747	442,988	465,903	471,262	473,220	481,926	488,539	500,868	501,304	505,199	517,345	524,465	532,388	537,849	542,633	546,020	546,020	546,020	546,020	546,020	546,020	546,020	546,020	546,020	546,020	546,020

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Selection of Loss Development Factors

	Development Period in Months																														
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396
1994																															
1995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	3.677	1.000	1.321	1.000	1.000	1.000	1.000	0.939	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996	0.902	1.033	0.991	1.066	1.057	1.024	1.023	0.987	0.975	1.004	0.996	1.020	1.016	1.030	1.013	1.015	1.034	1.021	1.013	1.003	1.004	1.011	1.002	1.002	1.006	1.011	1.009	1.010	0.997	0.983	
1997	1.390	1.115	1.160	1.129	1.027	1.003	0.952	0.966	1.029	1.097	0.987	1.023	1.012	1.039	1.011	1.002	1.015	0.991	1.012	0.992	1.014	1.012	0.988	1.004	1.008	1.031	1.004	0.993	0.992		
1998	1.204	1.387	1.084	1.040	1.045	0.968	1.004	1.048	1.012	1.016	1.052	1.024	1.027	1.042	1.012	1.001	1.040	1.005	0.996	1.022	1.016	0.999	0.996	0.996	0.999	1.001	0.993	0.997			
1999	1.493	0.969	0.943	1.049	0.966	0.917	0.987	1.020	1.014	1.030	1.015	1.045	1.002	0.997	0.993	0.994	1.022	0.979	1.016	0.995	1.023	1.014	1.030	0.987	1.009	1.011	0.981				
2000	1.136	1.121	1.037	0.937	0.929	1.060	1.052	1.050	1.019	0.996	0.996	1.030	1.009	1.011	1.014	1.017	1.007	1.028	1.012	1.067	1.019	0.997	0.982	1.011	0.992	0.999					
2001	0.894	1.056	0.855	0.998	0.890	1.048	1.091	1.024	0.960	1.023	1.000	0.984	0.957	0.882	1.020	1.002	1.255	1.044	0.973	0.971	1.003	0.999	0.989	1.016	0.974						
2002	1.054	0.964	0.915	0.935	1.005	1.039	0.958	1.018	1.178	1.080	0.992	0.956	1.010	1.074	1.000	0.999	1.001	0.990	0.979	1.000	1.000	1.000	0.985	1.016							
2003	0.807	1.057	0.842	0.951	0.999	1.040	0.981	1.033	1.057	1.014	1.030	0.918	1.018	0.960	1.011	1.000	1.003	1.030	1.016	1.003	1.000	0.984	1.000								
2004	0.797	0.966	1.014	1.054	0.994	0.990	0.961	1.022	0.990	0.966	0.989	0.990	1.034	1.125	1.046	1.000	1.054	1.000	1.115	0.980	0.986	0.978									
2005	0.935	0.961	1.095	0.982	1.010	0.880	1.015	1.011	1.006	0.956	1.012	0.993	1.008	1.016	1.000	1.000	0.987	1.000	1.000	1.000	1.000										
2006	0.780	0.862	0.954	1.032	0.896	0.992	1.000	1.000	0.900	1.000	0.889	1.332	1.000	1.173	1.000	1.000	1.142	1.134	0.978	0.960											
2007	0.911	1.068	1.001	0.914	1.102	1.090	1.075	1.047	0.964	1.000	1.030	1.026	1.000	1.039	1.003	0.987	0.994	0.963	0.966												
2008	0.755	0.932	0.985	1.262	1.008	1.025	0.999	1.000	0.961	1.000	1.084	1.037	1.000	0.990	1.000	1.000	1.000	1.000													
2009	1.125	0.974	0.970	0.998	1.031	1.010	0.995	1.000	0.975	1.000	0.992	0.935	1.135	1.000	1.000	1.028	1.000														
2010	0.696	0.950	0.912	1.001	0.981	1.000	0.974	1.023	0.918	1.021	0.991	1.000	1.000	1.000	0.834	0.991															
2011	1.120	1.151	0.990	1.263	1.043	1.000	1.005	1.009	1.027	0.964	1.000	1.001	1.000	0.972	0.997																
2012	1.069	0.864	0.937	0.721	1.037	0.995	1.000	1.000	0.848	1.000	1.000	1.000	1.000	1.000																	
2013	0.916	1.273	1.078	1.013	1.113	1.093	0.988	1.084	1.092	1.000	1.000	1.000	0.976																		
2014	1.190	0.875	1.022	0.977	1.008	0.995	1.000	1.055	1.136	0.988	0.903	0.984																			
2015	1.537	0.675	0.868	0.864	0.557	1.000	1.000	1.000	1.000	1.000	1.000																				
2016	2.647	1.049	1.127	1.090	1.008	1.113	1.017	1.010	1.000	0.940																					
2017	1.426	0.814	1.167	1.000	1.054	1.000	0.987	1.008	0.981																						
2018	0.948	1.088	0.984	1.328	1.000	1.000	0.985	1.282																							
2019	1.509	1.000	1.198	1.033	1.000	0.916	0.815																								
2020	1.001	1.000	0.771	0.938	1.120	0.474																									
2021	1.000	2.289	1.222	0.894	0.884																										
2022	7.967	1.084	0.962	1.172																											
2023	1.394	1.000	0.898																												
2024	1.323	0.554																													
2025	0.954																														
VOL WTD 3	1.195	0.920	0.984	1.066	1.012	0.878	0.942	1.089	0.994	0.962	0.964	0.995	0.990	0.983	0.958	1.008	0.997	1.016	0.987	0.987	0.994	0.990	0.989	1.013	0.995	1.002	0.993	1.006	0.997	0.983	1.000	NA
VOL WTD 5	1.788	0.994	0.994	1.128	1.019	0.977	0.972	1.079	1.052	0.978	0.981	0.998	1.013	0.987	0.975	1.000	1.007	1.006	1.026	0.993	0.998	0.995	0.996	1.002	0.998	1.009	1.003	1.006	0.997	0.983	1.000	NA
VOL WTD ALL	1.018	1.061	1.008	1.041	1.022	1.007	1.013	1.010	0.998	1.012	1.004	1.018	1.014	1.025	1.010	1.009	1.032	1.014	1.009	1.010	1.009	1.006	0.998	1.002	1.003	1.009	1.003	1.006	0.997	0.983	1.000	NA
ARITH 3	1.224	0.879	1.027	1.001	1.001	0.797	0.929	1.100	0.994	0.976	0.968	0.995	0.992	0.991	0.943	1.007	0.998	1.033	0.981	0.980	0.995	0.987	0.991	1.014	0.991	1.004	0.993	1.000	0.996	0.991	1.000	NA
ARITH 5	2.528	1.186	1.010	1.073	1.011	0.901	0.961	1.071	1.042	0.986	0.981	0.997	1.022	0.992	0.967	1.001	1.025	1.020	1.015	0.989	0.998	0.992	0.997	1.005	0.996	1.011	0.997	1.000	0.996	0.991	1.000	NA
ARITH ALL	1.351	1.038	0.999	1.023	0.991	0.987	0.995	1.141	1.002	1.019	0.998	1.015	1.011	1.019	0.994	1.002	1.037	1.013	1.006	0.999	1.006	0.999	0.997	1.004	0.998	1.009	0.997	1.000	0.996	0.991	1.000	NA
5 YR HI LO	1.239	1.028	1.019	1.048	1.018	0.972	0.991	1.024	1.031	0.996	1.000	1.000	1.000	0.997	0.999	0.997	0.998	1.000	0.998	0.993	1.000	0.993	0.991	1.008	0.999	1.008	0.999	0.998	0.997	NA	NA	NA
7 YR HI LO	1.245	1.035	1.042	1.047	0.989	0.982	0.992	1.031	1.020	0.990	0.996	0.997	1.000	1.006	0.999	0.998	1.010	1.004	0.989	0.991	1.004	0.996	0.992	1.006	1.001	1.006	0.999	0.998	0.997	NA	NA	NA
ALL YR HI LO	1.145	1.010	1.000	1.023	1.003	1.004	0.998	1.033	1.001	1.008	0.999	1.003	1.007	1.018	1.001	1.002	1.024	1.007	1.000	0.997	1.006	1.000	0.994	1.005	1.001	1.006	0.999	0.998	0.997	NA	NA	NA
SELECTED	1.788	1.061	1.042	1.041	1.022	1.007	1.013	1.033	1.052	1.012	1.004	1.018	1.014	1.025	1.001	1.008	1.024	1.014	1.015	1.010	1.009	1.006	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Incurred Losses

Development in Months

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	25,000	25,000	25,000	25,000	25,000	25,000	25,000	25,000	91,936	91,936	121,424	121,424	121,424	121,424	121,424	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027	114,027
1996	53,438,129	48,183,730	49,780,073	49,350,636	52,600,676	55,585,943	56,938,554	58,222,257	57,473,345	56,052,764	56,291,309	56,079,436	57,174,856	58,116,175	59,879,015	60,672,257	61,590,198	63,693,935	65,051,438	65,879,154	66,051,501	66,311,419	67,048,366	67,149,784	67,290,197	67,721,583	68,481,968	69,119,710	69,822,027	69,619,543	68,420,436	
1997	3,678,255	5,111,762	5,700,295	6,614,604	7,469,943	7,673,855	7,697,323	7,325,502	7,073,575	7,280,243	7,986,591	7,881,924	8,059,610	8,152,415	8,471,882	8,568,893	8,584,324	8,713,880	8,636,397	8,738,364	8,670,098	8,791,796	8,900,508	8,793,515	8,827,197	8,894,995	9,170,047	9,208,051	9,143,330	9,071,124		
1998	7,395,437	8,907,577	12,355,029	13,390,188	13,927,716	14,558,741	14,089,887	14,147,617	14,826,931	15,011,795	15,256,883	16,050,432	16,442,648	16,893,983	17,595,636	17,812,094	17,833,534	18,544,239	18,635,422	18,556,410	18,959,420	19,257,468	19,233,513	19,165,402	19,092,871	19,073,396	19,091,235	18,961,780	18,899,919			
1999	6,099,940	9,106,226	8,823,567	8,318,684	8,725,315	8,427,344	7,729,156	7,631,265	7,782,555	7,892,306	8,125,813	8,244,268	8,615,271	8,629,044	8,601,585	8,538,589	8,486,676	8,672,383	8,488,465	8,622,243	8,579,793	8,774,792	8,895,942	9,165,315	9,048,871	9,128,488	9,228,991	9,051,963				
2000	10,146,846	11,531,853	12,930,711	13,409,680	12,567,528	11,676,997	12,371,958	13,015,388	13,672,418	13,930,894	13,878,373	13,826,241	14,237,176	14,367,954	14,533,141	14,730,829	14,984,275	15,089,638	15,510,264	15,701,806	16,756,511	17,081,241	17,026,831	16,712,710	16,902,938	16,760,097	16,741,766					
2001	3,612,189	3,229,876	3,410,602	2,914,614	2,909,090	2,589,769	2,712,892	2,958,847	3,029,443	2,909,333	2,975,541	2,974,652	2,928,162	2,801,754	2,470,388	2,519,369	2,525,271	3,169,269	3,310,268	3,221,842	3,127,766	3,137,166	3,133,534	3,098,095	3,148,194	3,065,532						
2002	2,887,973	3,045,240	2,935,097	2,684,520	2,508,971	2,520,894	2,620,222	2,511,289	2,555,466	3,011,044	3,250,885	3,223,769	3,081,785	3,114,120	3,344,801	3,344,801	3,340,765	3,344,498	3,309,504	3,239,727	3,239,727	3,239,727	3,239,727	3,189,726	3,239,172							
2003	1,540,300	1,243,643	1,313,939	1,106,899	1,052,163	1,051,369	1,093,626	1,072,571	1,107,456	1,170,319	1,186,376	1,221,833	1,121,174	1,141,226	1,095,114	1,107,026	1,107,025	1,110,057	1,143,214	1,161,780	1,165,418	1,165,418	1,146,436	1,146,436								
2004	2,351,365	1,873,716	1,810,491	1,836,564	1,934,944	1,923,521	1,904,995	1,830,594	1,870,298	1,851,845	1,789,256	1,770,350	1,752,809	1,811,564	2,037,947	2,132,503	2,132,503	2,248,009	2,248,009	2,506,657	2,456,656	2,421,212	2,368,753									
2005	3,238,116	3,029,141	2,910,583	3,186,816	3,130,310	3,162,222	2,781,320	2,823,319	2,855,744	2,871,585	2,744,820	2,777,459	2,757,862	2,778,623	2,824,321	2,824,321	2,824,321	2,788,380	2,788,380	2,788,380	2,788,380	2,788,380										
2006	850,019	663,383	572,076	545,903	563,399	504,752	500,941	500,941	500,941	450,940	450,940	400,940	533,939	533,939	626,438	626,438	626,438	715,521	811,501	793,457	761,499											
2007	1,090,014	993,082	1,060,685	1,062,066	970,948	1,070,209	1,166,127	1,253,301	1,312,571	1,264,959	1,264,959	1,302,593	1,336,035	1,336,035	1,388,675	1,393,322	1,375,354	1,367,517	1,317,516	1,273,344												
2008	731,009	551,962	514,640	506,914	639,744	644,925	660,908	660,233	660,233	634,174	634,174	687,450	712,613	712,613	705,588	705,588	705,588	705,588	705,588													
2009	722,859	813,160	792,224	768,528	767,285	790,728	798,504	794,123	794,123	774,343	774,343	767,806	717,805	815,042	815,042	815,042	838,041	838,041														
2010	1,501,515	1,045,356	993,470	905,640	906,778	889,689	889,689	866,612	886,809	814,151	831,186	823,410	823,410	823,409	823,409	686,405	680,551															
2011	1,049,033	1,175,046	1,352,536	1,338,970	1,691,617	1,763,581	1,763,581	1,773,194	1,789,194	1,836,973	1,771,122	1,771,122	1,772,862	1,772,862	1,722,861	1,717,084																
2012	560,806	599,281	517,535	484,868	349,610	362,382	360,480	360,480	360,480	305,720	305,720	305,720	305,720	305,720	305,720																	
2013	749,010	686,060	873,521	942,049	954,324	1,061,991	1,160,751	1,147,103	1,242,963	1,357,285	1,356,966	1,356,966	1,356,966	1,323,850																		
2014	704,012	837,531	732,853	748,791	731,229	737,336	733,721	733,721	773,923	879,488	869,123	784,757	771,816																			
2015	247,006	379,643	256,400	222,633	192,349	107,159	107,159	107,158	107,158	107,158	107,158	107,157																				
2016	313,010	828,611	868,811	978,809	1,066,742	1,075,089	1,196,458	1,216,866	1,228,556	1,228,556	1,154,940																					
2017	465,002	662,914	539,396	629,732	629,732	663,561	663,561	655,198	660,660	648,373																						
2018	582,224	551,894	600,621	590,864	784,953	784,953	784,953	773,391	991,646																							
2019	291,503	439,872	439,872	526,812	544,232	544,232	498,650	406,576																								
2020	357,003	357,216	357,215	275,274	258,212	289,211	137,211																									
2021	66,002	66,001	151,100	184,642	165,132	145,913																										
2022	76,203	607,100	658,237	633,454	742,428																											
2023	179,002	249,601	249,601	224,178																												
2024	248,004	328,000	181,774																													
2025	279,801	267,061																														
2026	199,900																															

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial UST
Determination of Pure Premium

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) SELECTED ULTIMATE	(5) POTENTIAL SITES	(6) PURE PREMIUM
1994					
1995					
1996					
1997					
1998					
1999					
2000					
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008	705,588	734,588	720,088	12,021	60
2009	875,405	884,492	879,948	11,975	73
2010	740,434	735,542	737,988	11,902	62
2011	1,717,084	1,870,247	1,793,665	11,855	151
2012	305,720	333,280	319,500	11,828	27
2013	1,658,610	1,479,613	1,569,112	11,794	133
2014	1,022,289	874,465	948,377	11,757	81
2015	107,157	123,642	115,400	11,730	10
2016	1,278,358	1,338,155	1,308,256	11,691	112
2017	1,007,332	759,868	883,600	11,665	76
2018	1,158,592	1,222,289	1,190,441	11,649	102
2019	586,031	517,785	551,908	11,625	47
2020	221,554	176,993	199,273	11,608	17
2021	291,301	189,627	240,464	11,596	21
2022	742,428	985,802	864,115	11,585	75
2023	428,748	309,725	369,237	11,573	32
2024	470,172	261,657	365,914	11,563	32
2025	267,061	408,053	337,557	11,558	29
2026	199,900	546,020	372,960	11,554	32
TOTAL	13,783,764	13,751,843	13,767,803	222,529	62

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
UST Remedial Claims
Paid Bornhuetter-Ferguson Method

(1) RY	(2) POTENTIAL SITES	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT UNPAID	(8) EXPECTED UNPAID	(9) PAID LOSSES	(10) INDICATED ULTIMATE	(11) INCURRED LOSSES	(12) IBNR RESERVE	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	12,021	60	24	93	1,119,697	17.1%	191,186	705,588	896,774	705,588	191,186	-	75
2009	11,975	73	31	89	1,060,670	18.7%	197,937	712,041	909,978	838,041	71,937	126,000	76
2010	11,902	62	28	84	1,002,466	20.6%	206,304	588,055	794,359	680,551	113,808	92,496	67
2011	11,855	151	71	80	949,503	22.2%	210,601	1,177,638	1,388,238	1,717,084	(328,846)	539,447	117
2012	11,828	27	13	76	900,847	24.6%	221,650	305,720	527,370	305,720	221,650	-	45
2013	11,794	133	69	72	854,173	26.5%	226,500	1,218,799	1,445,299	1,323,850	121,449	105,051	123
2014	11,757	81	44	69	809,703	28.7%	232,143	729,198	961,341	771,816	189,524	42,618	82
2015	11,730	10	6	65	768,197	30.3%	233,079	107,157	340,237	107,157	233,079	-	29
2016	11,691	112	68	62	728,066	34.0%	247,769	843,319	1,091,088	1,154,940	(63,853)	311,622	93
2017	11,665	76	48	59	690,795	36.7%	253,465	637,724	891,189	648,373	242,816	10,649	76
2018	11,649	102	68	56	655,991	39.4%	258,186	702,591	960,777	991,646	(30,869)	289,055	82
2019	11,625	47	33	54	622,511	41.0%	255,123	345,858	600,981	406,576	194,406	60,717	52
2020	11,608	17	13	51	591,094	45.4%	268,532	120,903	389,435	137,211	252,224	16,308	34
2021	11,596	21	16	48	561,503	50.4%	283,271	144,343	427,614	145,913	281,701	1,570	37
2022	11,585	75	61	46	533,439	55.7%	296,953	315,249	612,202	742,428	(130,226)	427,178	53
2023	11,573	32	27	44	506,734	63.7%	322,536	155,850	478,386	224,178	254,208	68,328	41
2024	11,563	32	29	42	481,448	71.8%	345,875	132,398	478,273	181,774	296,498	49,377	41
2025	11,558	29	28	40	457,621	84.2%	385,479	17,313	402,792	267,061	135,731	249,748	35
2026	11,554	32	32	38	435,012	96.2%	418,667	-	418,667	199,900	218,767	199,900	36
TOTAL	222,529				13,729,470		5,055,256	8,959,743	14,015,000	11,549,808	2,465,192	2,590,065	63

Pure Premium Selection		Trend =	0.951
3-Year Average x Latest	28		
5-Year Average x Latest	32		
All Year Average x Latest	38		
Selected Pure Premium	38		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
UST Remedial Claims
Incurred Bornhuetter-Ferguson Method

(1) RY	(2) POTENTIAL SITES	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT IBNR	(8) EXPECTED IBNR	(9) INCURRED LOSSES	(10) INDICATED ULTIMATE	(11) PAID LOSSES	(12) UNPAID LOSS	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	12,021	60	24	93	1,119,697	3.9%	44,202	705,588	749,791	705,588	44,202	-	62
2009	11,975	73	31	89	1,060,670	5.3%	55,704	838,041	893,745	712,041	181,704	126,000	75
2010	11,902	62	28	84	1,002,466	7.5%	74,946	680,551	755,498	588,055	167,443	92,496	63
2011	11,855	151	71	80	949,503	8.2%	77,759	1,717,084	1,794,843	1,177,638	617,205	539,447	151
2012	11,828	27	13	76	900,847	8.3%	74,494	305,720	380,214	305,720	74,494	-	32
2013	11,794	133	69	72	854,173	10.5%	89,921	1,323,850	1,413,771	1,218,799	194,972	105,051	120
2014	11,757	81	44	69	809,703	11.7%	95,047	771,816	866,863	729,198	137,665	42,618	74
2015	11,730	10	6	65	768,197	13.3%	102,424	107,157	209,581	107,157	102,424	-	18
2016	11,691	112	68	62	728,066	13.7%	99,684	1,154,940	1,254,624	843,319	411,305	311,622	107
2017	11,665	76	48	59	690,795	14.7%	101,360	648,373	749,733	637,724	112,009	10,649	64
2018	11,649	102	68	56	655,991	18.9%	123,784	991,646	1,115,430	702,591	412,839	289,055	96
2019	11,625	47	33	54	622,511	21.5%	133,702	406,576	540,278	345,858	194,419	60,717	46
2020	11,608	17	13	51	591,094	22.5%	132,858	137,211	270,069	120,903	149,166	16,308	23
2021	11,596	21	16	48	561,503	23.1%	129,442	145,913	275,355	144,343	131,012	1,570	24
2022	11,585	75	61	46	533,439	24.7%	131,695	742,428	874,123	315,249	558,874	427,178	75
2023	11,573	32	27	44	506,734	27.6%	139,962	224,178	364,140	155,850	208,290	68,328	31
2024	11,563	32	29	42	481,448	30.5%	146,984	181,774	328,758	132,398	196,360	49,377	28
2025	11,558	29	28	40	457,621	34.6%	158,119	267,061	425,180	17,313	407,867	249,748	37
2026	11,554	32	32	38	435,012	63.4%	275,752	199,900	475,652	-	475,652	199,900	41
TOTAL	222,529				13,729,470		2,187,839	11,549,808	13,737,646	8,959,743	4,777,903	2,590,065	62

Pure Premium Selection	
3-Year Average x Latest	28
5-Year Average x Latest	32
All Year Average x Latest	38
Selected Pure Premium	38

Trend = 0.951

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Summary of Paid Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	PAID LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	-	-	-	-	-	-
1996	-	-	-	-	-	-
1997	-	-	-	-	-	-
1998	478,042	478,042	478,042	-	-	-
1999	2,689,230	2,532,831	2,689,230	156,399	-	156,399
2000	1,195,793	1,195,793	1,195,793	-	-	-
2001	6,693,030	6,374,314	6,675,614	301,300	17,416	318,716
2002	2,048,171	2,048,171	2,048,171	-	-	-
2003	1,607,917	1,432,117	1,607,917	175,800	-	175,800
2004	3,374,777	2,780,056	3,374,777	594,721	-	594,721
2005	2,153,485	1,844,510	2,153,485	308,975	-	308,975
2006	2,364,776	2,203,018	2,357,913	154,895	6,864	161,758
2007	1,304,578	1,204,062	1,228,208	24,146	76,370	100,516
2008	581,362	581,362	581,362	-	-	-
2009	1,027,859	923,112	963,112	40,000	64,747	104,747
2010	1,434,006	1,031,562	1,434,006	402,443	-	402,443
2011	1,515,782	1,331,869	1,467,447	135,578	48,335	183,913
2012	2,554,737	2,554,737	2,554,737	-	-	-
2013	1,311,011	1,103,002	1,262,213	159,211	48,798	208,009
2014	844,706	195,732	844,706	648,974	-	648,974
2015	1,747,535	1,371,642	1,683,621	311,979	63,913	375,892
2016	2,432,608	1,586,440	2,432,608	846,169	-	846,169
2017	4,899,397	3,169,480	4,899,397	1,729,918	-	1,729,918
2018	3,536,876	2,395,118	3,359,726	964,608	177,150	1,141,758
2019	5,846,740	3,666,344	4,935,981	1,269,637	910,759	2,180,396
2020	2,028,376	1,166,650	1,740,174	573,523	288,202	861,726
2021	4,300,470	2,310,244	3,393,394	1,083,149	907,077	1,990,226
2022	3,540,347	1,615,219	2,563,010	947,791	977,336	1,925,127
2023	2,737,313	1,046,711	1,739,502	692,791	997,811	1,690,603
2024	4,020,517	1,145,918	1,858,818	712,899	2,161,699	2,874,599
2025	7,985,893	1,552,988	3,677,435	2,124,446	4,308,459	6,432,905
2026	5,495,768	363,205	1,301,215	938,011	4,194,553	5,132,563
TOTAL	81,751,103	51,204,249	66,501,613	15,297,364	15,249,490	30,546,854

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.050
1995																															1.000	1.050
1996																														1.000	1.000	1.050
1997																													1.000	1.000	1.000	1.050
1998		1.000	1.000	1.000	1.000	1.000	1.000	1.000	4.669	2.231	2.058	1.148	1.066	1.091	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
1999	15.900	1.244	2.319	1.021	1.004	1.011	1.041	1.014	1.085	1.078	1.058	1.037	1.005	1.016	1.000	1.124	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2000	1.761	1.262	1.034	1.014	1.018	1.108	1.028	1.038	1.083	1.014	1.013	1.025	1.001	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2001	1.541	1.087	1.075	1.093	1.050	1.021	1.028	1.099	1.106	1.029	1.266	1.019	1.043	1.029	1.094	1.027	1.021	1.029	1.018	1.002	1.012	1.009	1.013	1.009	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2002	10.706	2.111	1.228	1.161	1.078	1.049	1.133	1.134	1.168	1.037	1.019	1.010	1.052	1.053	1.024	1.009	1.061	1.009	1.027	1.025	1.003	1.042	1.014	1.013	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2003	3.306	1.453	1.561	1.192	1.187	1.137	1.043	1.129	1.051	1.067	1.192	1.050	1.041	1.048	1.064	1.064	1.030	1.010	1.000	1.014	1.000	1.000	1.000	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2004	3.116	1.474	1.254	1.298	1.343	1.122	1.032	1.102	1.122	1.044	1.055	1.050	1.020	1.011	1.008	1.012	1.024	1.006	1.000	1.000	1.000	1.000	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2005	11.692	1.138	1.099	1.080	1.052	1.048	1.018	1.026	1.008	1.008	1.017	1.032	1.094	1.026	1.007	1.002	1.011	1.013	1.028	1.006	1.040	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2006	4.502	1.556	1.611	1.283	1.183	1.035	1.111	1.026	1.092	1.151	1.063	1.076	1.033	1.035	1.040	1.013	1.009	1.024	1.027	1.050	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2007	3.306	1.594	1.127	1.341	1.099	1.033	1.053	1.050	1.036	1.016	1.021	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.026	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2008	2.474	1.276	1.351	1.168	1.027	1.067	1.100	1.125	1.050	1.023	1.021	1.008	1.015	1.004	1.000	1.000	1.000	1.000	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2009	10.467	1.861	1.934	1.065	1.456	1.254	1.238	1.223	1.089	1.081	1.048	1.043	1.009	1.021	1.000	1.000	1.000	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2010	4.034	1.182	1.691	1.078	1.324	1.134	1.340	1.062	1.386	1.075	1.132	1.132	1.013	1.033	1.095	1.010	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2011	3.325	1.526	1.081	1.124	1.092	1.068	1.074	1.053	1.046	1.001	1.022	1.040	1.264	1.035	1.064	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2012	1.608	1.402	1.175	1.175	1.088	1.109	1.113	1.079	1.045	1.024	1.018	1.011	1.030	1.012	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2013	3.828	1.585	1.391	1.080	1.118	1.066	1.007	1.023	1.036	1.008	1.002	1.048	1.006	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2014	1.000	6.122	3.205	1.209	1.485	1.019	1.292	1.019	1.151	1.154	1.000	1.000	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2015	4.922	1.606	1.295	1.461	1.159	1.453	1.301	1.098	1.005	1.041	1.038	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2016	3.887	1.284	1.170	1.170	1.171	1.054	1.070	1.073	1.084	1.037	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2017	5.527	1.708	1.328	1.185	1.093	1.053	1.062	1.191	1.051	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2018	3.795	1.505	1.208	1.292	1.295	1.078	1.112	1.126	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2019	2.265	1.347	1.192	1.118	1.163	1.070	1.051	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2020	3.694	1.560	1.207	1.173	1.277	1.060	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2021	131.102	1.924	1.210	1.162	1.061	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2022	4.778	1.563	1.379	1.221	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2023	1.520	1.162	1.280	1.193	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2024	2.457	1.201	1.342	1.193	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2025	1.468	1.466	1.342	1.193	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050
2026	2.943	1.466	1.342	1.193	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.050

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	-	16,713	16,713	16,713	16,713	16,713	16,713	16,713	16,713	78,028	174,102	358,349	411,237	438,258	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042
1999	34,176	543,408	676,196	1,567,972	1,601,529	1,608,182	1,625,584	1,692,876	1,717,189	1,863,780	2,008,295	2,125,717	2,204,155	2,214,424	2,250,269	2,250,269	2,529,597	2,529,597	2,532,094	2,532,094	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831
2000	370,129	651,957	822,756	850,390	862,198	877,375	971,906	999,462	1,037,135	1,123,070	1,139,298	1,154,165	1,182,661	1,184,428	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793
2001	1,334,769	2,056,418	2,236,336	2,404,395	2,628,060	2,759,085	2,817,023	2,896,871	3,183,541	3,519,996	3,623,500	4,589,112	4,674,733	4,876,595	5,018,242	5,488,608	5,638,087	5,757,861	5,925,597	6,033,763	6,045,530	6,116,687	6,169,987	6,253,097	6,311,605	6,374,314	6,374,314	6,374,314	6,374,314	6,374,314	6,374,314	6,374,314	6,374,314	6,374,314
2002	25,391	271,845	573,933	704,799	818,350	881,841	924,693	1,047,264	1,187,136	1,386,044	1,436,815	1,464,223	1,479,159	1,556,347	1,638,304	1,677,022	1,692,921	1,796,372	1,812,290	1,861,975	1,909,066	1,913,996	1,994,064	2,020,996	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171
2003	55,198	182,491	265,162	413,872	493,384	585,783	665,773	694,461	783,706	823,855	878,721	1,047,401	1,100,227	1,145,541	1,200,282	1,276,743	1,358,101	1,398,792	1,412,642	1,412,642	1,432,117	1,432,117	1,432,117	1,432,117	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584	1,436,584
2004	154,438	481,188	709,451	889,323	1,154,237	1,550,136	1,738,876	1,795,147	1,978,584	2,219,493	2,316,258	2,443,349	2,565,442	2,616,804	2,645,562	2,666,495	2,698,686	2,762,524	2,780,056	2,780,056	2,780,056	2,780,056	2,780,056	2,802,220	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960	2,810,960
2005	76,161	890,444	1,013,676	1,114,425	1,203,629	1,266,271	1,326,703	1,350,155	1,385,185	1,396,276	1,407,470	1,431,885	1,477,651	1,616,331	1,657,857	1,670,265	1,673,598	1,691,931	1,714,527	1,762,598	1,772,836	1,844,510	1,849,868	1,864,616	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431	1,870,431
2006	60,491	272,313	423,641	682,375	875,535	1,035,779	1,072,081	1,190,682	1,221,925	1,334,084	1,534,980	1,631,669	1,755,125	1,812,291	1,876,290	1,951,782	1,977,382	1,995,945	2,044,448	2,098,796	2,203,018	2,220,957	2,227,408	2,245,166	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168	2,252,168
2007	107,082	353,965	564,316	635,862	852,470	936,817	967,505	1,018,844	1,069,756	1,108,422	1,126,553	1,150,527	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,204,062	1,215,341	1,225,237	1,228,796	1,238,593	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456	1,242,456
2008	76,453	189,175	241,331	325,929	380,673	391,046	417,098	458,918	516,229	541,900	554,141	565,941	570,718	579,066	581,362	581,362	581,362	581,362	581,362	589,827	595,352	600,200	601,944	606,743	608,635	608,635	608,635	608,635	608,635	608,635	608,635	608,635	608,635
2009	6,274	65,671	122,193	236,292	251,768	366,562	459,776	569,158	696,182	758,059	819,677	858,838	896,129	904,524	923,112	923,112	923,112	923,112	935,048	948,663	957,550	965,347	968,151	975,869	978,913	978,913	978,913	978,913	978,913	978,913	978,913	978,913	978,913
2010	25,118	101,329	119,772	202,531	218,274	289,061	327,938	439,479	466,760	646,920	695,674	787,662	891,779	903,292	933,528	1,021,835	1,031,562	1,041,383	1,054,849	1,070,209	1,080,234	1,089,030	1,092,193	1,100,900	1,104,334	1,104,334	1,104,334	1,104,334	1,104,334	1,104,334	1,104,334	1,104,334	1,104,334
2011	105,665	351,316	535,992	579,582	651,347	711,550	759,749	815,994	858,956	898,414	899,616	919,162	955,996	1,208,783	1,251,474	1,331,869	1,348,474	1,361,312	1,378,915	1,398,993	1,412,098	1,423,596	1,427,731	1,439,114	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602	1,443,602
2012	492,662	792,235	1,110,684	1,305,178	1,533,202	1,668,186	1,849,816	2,059,499	2,222,469	2,323,261	2,380,133	2,422,544	2,449,027	2,523,473	2,554,737	2,609,443	2,641,976	2,667,128	2,701,616	2,740,954	2,766,629	2,789,157	2,797,259	2,819,560	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354	2,828,354
2013	89,198	341,477	541,380	753,022	813,524	909,739	970,104	977,192	999,814	1,036,131	1,044,234	1,046,421	1,096,165	1,103,002	1,127,793	1,151,943	1,166,305	1,177,408	1,192,633	1,209,999	1,221,334	1,231,279	1,234,855	1,244,700	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582	1,248,582
2014	3,119	3,119	19,091	61,186	74,003	109,866	111,997	144,666	147,359	169,547	195,732	195,732	195,732	201,721	206,255	210,672	213,298	215,329	218,113	221,289	223,362	225,181	225,835	227,635	228,345	228,345	228,345	228,345	228,345	228,345	228,345	228,345	228,345
2015	35,104	172,789	277,518	359,484	525,069	608,686	884,338	1,150,455	1,263,610	1,269,343	1,321,825	1,371,642	1,426,611	1,470,265	1,503,311	1,535,503	1,554,646	1,569,447	1,589,741	1,612,889	1,627,998	1,641,254	1,646,021	1,659,144	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319	1,664,319
2016	145,829	566,906	727,719	851,131	995,600	1,165,875	1,228,997	1,314,960	1,411,117	1,530,087	1,586,440	1,626,768	1,691,961	1,743,735	1,782,928	1,821,106	1,843,811	1,861,364	1,885,433	1,912,887	1,930,806	1,946,528	1,952,182	1,967,745	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882	1,973,882
2017	139,537	771,285	1,317,458	1,749,609	2,072,429	2,264,234	2,384,220	2,531,175	3,015,311	3,169,480	3,316,796	3,401,112	3,537,411	3,645,655	3,727,597	3,807,418	3,854,886	3,891,585	3,941,907	3,999,305	4,036,768	4,069,638	4,081,459	4,113,998	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829	4,126,829
2018	153,788	583,697	878,341	1,060,851	1,370,309	1,774,133	1,912,756	2,127,503	2,395,118	2,587,033	2,707,278	2,776,099	2,887,351	2,975,703	3,042,587	3,107,739	3,146,485	3,176,440	3,217,514	3,264,364	3,294,942	3,321,772	3,331,421	3,357,980	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453	3,368,453
2019	689,496	1,561,490	2,102,629	2,507,017	2,802,620	3,258,411	3,486,879	3,666,344	3,959,322	4,276,574	4,475,347	4,589,115	4,773,023	4,919,077	5,029,641	5,137,342	5,201,392	5,250,910	5,318,809	5,396,256	5,446,804	5,491,156	5,507,106	5,551,011	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324	5,568,324
2020	105,627	390,166	608,554	734,769	861,719	1,100,406	1,166,650	1,271,944	1,373,585	1,483,647	1,552,607	1,592,075	1,655,877	1,706,547	1,744,904	1,782,269	1,804,489	1,821,668	1,845,224	1,872,092	1,889,628	1,905,015	1,910,549	1,925,780	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787	1,931,787
2021	6,140	805,000	1,548,565	1,874,323	2,178,304	2,310,244	2,473,479	2,696,717	2,912,212	3,145,561	3,291,766	3,375,445	3,510,716	3,618,143	3,699,467	3,778,685	3,825,795	3,862,218	3,912,160	3,969,125	4,006,304	4,038,927	4,050,658	4,082,952	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686	4,095,686
2022	128,434	613,647	959,231	1,322,847	1,615,219	1,901,900	2,036,283	2,220,063	2,397,468	2,589,572	2,709,935	2,778,823	2,890,185	2,978,624	3,045,573	3,110,789	3,149,572	3,179,557	3,220,672	3,267,568	3,298,176	3,325,032	3,334,690	3,361,276	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759	3,371,759
2023	463,090	703,696	818,036	1,046,711	1,248,850	1,470,505	1,574,406	1,716,500	1,853,666	2,002,197	2,095,258	2,148,521	2,234,623	2,303,002	2,354,766	2,405,189	2,435,176	2,458,359	2,490,148	2,526,407	2,550,072	2,570,837	2,578,304	2,598,860	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965	2,606,965
2024	388,229	953,763	1,145,918	1,537,390	1,834,288	2,159,851	2,312,459	2,521,165	2,722,632	2,940,791	3,077,478	3,155,710	3,282,175	3,382,608	3,458,638	3,532,699	3,576,743	3,610,794	3,657,485	3,710,741	3,745,501	3,775,999	3,786,967	3,817,159	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064	3,829,064
2025	1,057,619	1,552,988	2,276,121	3,053,695	3,643,420	4,290,081	4,593,204	5,007,753	5,407,924	5,841,249	6,112,748	6,268,140	6,519,335	6,718,825	6,869,841	7,016,948	7,104,431	7,172,067	7,264,808	7,370,591	7,439,633	7,500,212	7,521,997	7,581,966	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613	7,605,613
2026	363,205	1,068,743	1,566,391	2,101,506	2,507,345	2,952,367	3,160,972	3,446,258	3,721,649	4,019,857	4,206,699	4,313,637	4,486,505	4,623,791	4,727,718	4,828,955	4,889,159	4,935,705	4,999,529	5,072,326	5,119,840	5,161,530	5,176,522	5,217,791	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065	5,234,065

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Selection of Loss Development Factors

	Development Period in Months																														
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - ULT
1994																															
1995																															
1996																															
1997																															
1998		1.000	1.000	1.000	1.000	1.000	1.000	1.000	4.669	2.231	2.058	1.148	1.066	1.091	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
1999	15.900	1.244	2.319	1.021	1.004	1.011	1.041	1.014	1.085	1.078	1.058	1.037	1.005	1.016	1.000	1.124	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000				
2000	1.761	1.262	1.034	1.014	1.018	1.108	1.028	1.038	1.083	1.014	1.013	1.025	1.001	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000					
2001	1.541	1.087	1.075	1.093	1.050	1.021	1.028	1.099	1.106	1.029	1.266	1.019	1.043	1.029	1.094	1.027	1.021	1.029	1.018	1.002	1.012	1.009	1.013	1.009	1.010						
2002	10.706	2.111	1.228	1.161	1.078	1.049	1.133	1.134	1.168	1.037	1.019	1.010	1.052	1.053	1.024	1.009	1.061	1.009	1.027	1.025	1.003	1.042	1.014	1.013							
2003	3.306	1.453	1.561	1.192	1.187	1.137	1.043	1.129	1.051	1.067	1.192	1.050	1.041	1.048	1.064	1.064	1.030	1.010	1.000	1.014	1.000	1.000	1.000								
2004	3.116	1.474	1.254	1.298	1.343	1.122	1.032	1.102	1.122	1.044	1.055	1.050	1.020	1.011	1.008	1.012	1.024	1.006	1.000	1.000	1.000	1.000									
2005	11.692	1.138	1.099	1.080	1.052	1.048	1.018	1.026	1.008	1.008	1.017	1.032	1.094	1.026	1.007	1.002	1.011	1.013	1.028	1.006	1.040										
2006	4.502	1.556	1.611	1.283	1.183	1.035	1.111	1.026	1.092	1.151	1.063	1.076	1.033	1.035	1.040	1.013	1.009	1.024	1.027	1.050											
2007	3.306	1.594	1.127	1.341	1.099	1.033	1.053	1.050	1.036	1.016	1.021	1.020	1.000	1.000	1.000	1.000	1.000	1.000	1.026												
2008	2.474	1.276	1.351	1.168	1.027	1.067	1.100	1.125	1.050	1.023	1.021	1.008	1.015	1.004	1.000	1.000	1.000	1.000													
2009	10.467	1.861	1.934	1.065	1.456	1.254	1.238	1.223	1.089	1.081	1.048	1.043	1.009	1.021	1.000	1.000	1.000														
2010	4.034	1.182	1.691	1.078	1.324	1.134	1.340	1.062	1.386	1.075	1.132	1.132	1.013	1.033	1.095	1.010															
2011	3.325	1.526	1.081	1.124	1.092	1.068	1.074	1.053	1.046	1.001	1.022	1.040	1.264	1.035	1.064																
2012	1.608	1.402	1.175	1.175	1.088	1.109	1.113	1.079	1.045	1.024	1.018	1.011	1.030	1.012																	
2013	3.828	1.585	1.391	1.080	1.118	1.066	1.007	1.023	1.036	1.008	1.002	1.048	1.006																		
2014	1.000	6.122	3.205	1.209	1.485	1.019	1.292	1.019	1.151	1.154	1.000	1.000																			
2015	4.922	1.606	1.295	1.461	1.159	1.453	1.301	1.098	1.005	1.041	1.038																				
2016	3.887	1.284	1.170	1.170	1.171	1.054	1.070	1.073	1.084	1.037																					
2017	5.527	1.708	1.328	1.185	1.093	1.053	1.062	1.191	1.051																						
2018	3.795	1.505	1.208	1.292	1.295	1.078	1.112	1.126																							
2019	2.265	1.347	1.192	1.118	1.163	1.070	1.051																								
2020	3.694	1.560	1.207	1.173	1.277	1.060																									
2021	131.102	1.924	1.210	1.162	1.061																										
2022	4.778	1.563	1.379	1.221																											
2023	1.520	1.162	1.280																												
2024	2.457	1.201																													
2025	1.468																														
VOL WTD 3	1.682	1.287	1.276	1.184	1.141	1.071	1.070	1.142	1.049	1.045	1.020	1.021	1.074	1.022	1.054	1.004	1.000	1.013	1.027	1.017	1.012	1.013	1.011	1.009	1.006	1.000	1.000	1.000	NA	NA	NA
VOL WTD 5	2.265	1.466	1.240	1.177	1.153	1.064	1.090	1.133	1.049	1.032	1.020	1.040	1.056	1.020	1.035	1.006	1.006	1.011	1.015	1.018	1.011	1.010	1.008	1.007	1.006	1.000	1.000	1.000	NA	NA	NA
VOL WTD ALL	2.563	1.387	1.261	1.157	1.127	1.075	1.076	1.090	1.080	1.046	1.085	1.037	1.039	1.025	1.038	1.027	1.017	1.014	1.014	1.010	1.008	1.008	1.008	1.007	1.006	1.000	1.000	1.000	NA	NA	NA
ARITH 3	1.815	1.309	1.290	1.185	1.167	1.069	1.075	1.130	1.047	1.078	1.013	1.019	1.100	1.027	1.053	1.003	1.000	1.008	1.027	1.018	1.013	1.014	1.009	1.008	1.003	1.000	1.000	1.000	NA	NA	NA
ARITH 5	28.265	1.482	1.254	1.193	1.177	1.063	1.119	1.101	1.065	1.053	1.016	1.046	1.065	1.021	1.032	1.005	1.004	1.009	1.016	1.019	1.011	1.010	1.005	1.005	1.002	1.000	1.000	1.000	NA	NA	NA
ARITH ALL	9.185	1.620	1.400	1.167	1.159	1.089	1.102	1.080	1.268	1.112	1.114	1.044	1.043	1.028	1.028	1.020	1.013	1.008	1.013	1.011	1.007	1.007	1.004	1.005	1.002	1.000	1.000	1.000	NA	NA	NA
5 YR HI LO	2.918	1.441	1.232	1.185	1.177	1.061	1.081	1.099	1.057	1.034	1.014	1.033	1.018	1.022	1.021	1.003	1.003	1.007	1.018	1.015	1.005	1.003	1.004	1.003	1.000	1.000	NA	NA	NA	NA	NA
7 YR HI LO	2.943	1.435	1.247	1.182	1.172	1.063	1.117	1.080	1.053	1.037	1.025	1.030	1.015	1.021	1.022	1.005	1.009	1.008	1.020	1.009	1.003	1.002	1.003	1.003	1.000	1.000	NA	NA	NA	NA	NA
ALL YR HI LO	4.635	1.464	1.342	1.161	1.152	1.076	1.095	1.077	1.094	1.052	1.062	1.040	1.031	1.026	1.025	1.012	1.010	1.007	1.012	1.007	1.002	1.002	1.003	1.003	1.000	1.000	NA	NA	NA	NA	NA
SELECTED	2.943	1.466	1.342	1.193	1.177	1.071	1.090	1.080	1.080	1.046	1.025	1.040	1.031	1.022	1.021	1.012	1.010	1.013	1.015	1.009	1.008	1.003	1.008	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Paid Losses

	Development in Months																																	
RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384		
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1998	-	16,713	16,713	16,713	16,713	16,713	16,713	16,713	16,713	78,028	174,102	358,349	411,237	438,258	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042				
1999	34,176	543,408	676,196	1,567,972	1,601,529	1,608,182	1,625,584	1,692,876	1,717,189	1,863,780	2,008,295	2,125,717	2,204,155	2,214,424	2,250,269	2,250,269	2,529,597	2,529,597	2,532,094	2,532,094	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831	2,532,831						
2000	370,129	651,957	822,756	850,390	862,198	877,375	971,906	999,462	1,037,135	1,123,070	1,139,298	1,154,165	1,182,661	1,184,428	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793							
2001	1,334,769	2,056,418	2,236,336	2,404,395	2,628,060	2,759,085	2,817,023	2,896,871	3,183,541	3,519,996	3,623,500	4,589,112	4,674,733	4,876,595	5,018,242	5,488,608	5,638,087	5,757,861	5,925,597	6,033,763	6,045,530	6,116,687	6,169,987	6,253,097	6,311,605	6,374,314								
2002	25,391	271,845	573,933	704,799	818,350	881,841	924,693	1,047,264	1,187,136	1,386,044	1,436,815	1,464,223	1,479,159	1,556,347	1,638,304	1,677,022	1,692,921	1,796,372	1,812,290	1,861,975	1,909,066	1,913,996	1,994,064	2,020,996	2,048,171									
2003	55,198	182,491	265,162	413,872	493,384	585,783	665,773	694,461	783,706	823,855	878,721	1,047,401	1,100,227	1,145,541	1,200,282	1,276,743	1,358,101	1,398,792	1,412,642	1,412,642	1,432,117	1,432,117	1,432,117	1,432,117										
2004	154,438	481,188	709,451	889,323	1,154,237	1,550,136	1,738,876	1,795,147	1,978,584	2,219,493	2,316,258	2,443,349	2,565,442	2,616,804	2,645,562	2,666,495	2,698,686	2,762,524	2,780,056	2,780,056	2,780,056	2,780,056	2,780,056											
2005	76,161	890,444	1,013,676	1,114,425	1,203,629	1,266,271	1,326,703	1,350,155	1,385,185	1,396,276	1,407,470	1,431,885	1,477,651	1,616,331	1,657,857	1,670,265	1,673,598	1,691,931	1,714,527	1,762,598	1,772,836	1,844,510												
2006	60,491	272,313	423,641	682,375	875,535	1,035,779	1,072,081	1,190,682	1,221,925	1,334,084	1,534,980	1,631,669	1,755,125	1,812,291	1,876,290	1,951,782	1,977,382	1,995,945	2,044,448	2,098,796	2,203,018												
2007	107,082	353,965	564,316	635,862	852,470	936,817	967,505	1,018,844	1,069,756	1,108,422	1,126,553	1,150,527	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,204,062													
2008	76,453	189,175	241,331	325,929	380,673	391,046	417,098	458,918	516,229	541,900	554,141	565,941	570,718	579,066	581,362	581,362	581,362	581,362	581,362														
2009	6,274	65,671	122,193	236,292	251,768	366,562	459,776	569,158	696,182	758,059	819,677	858,838	896,129	904,524	923,112	923,112	923,112	923,112															
2010	25,118	101,329	119,772	202,531	218,274	289,061	327,938	439,479	466,760	646,920	695,674	787,662	891,779	903,292	933,528	1,021,835	1,031,562																
2011	105,665	351,316	535,992	579,582	651,347	711,550	759,749	815,994	858,956	898,414	899,616	919,162	955,996	1,208,783	1,251,474	1,331,869																	
2012	492,662	792,235	1,110,684	1,305,178	1,533,202	1,668,186	1,849,816	2,059,499	2,222,469	2,323,261	2,380,133	2,422,544	2,449,027	2,523,473	2,554,737																		
2013	89,198	341,477	541,380	753,022	813,524	909,739	970,104	977,192	999,814	1,036,131	1,044,234	1,046,421	1,096,165	1,103,002																			
2014	3,119	3,119	19,091	61,186	74,003	109,866	111,997	144,666	147,359	169,547	195,732	195,732	195,732																				
2015	35,104	172,789	277,518	359,484	525,069	608,686	884,338	1,150,455	1,263,610	1,269,343	1,321,825	1,371,642																					
2016	145,829	566,906	727,719	851,131	995,600	1,165,875	1,228,997	1,314,960	1,411,117	1,530,087	1,586,440																						
2017	139,537	771,285	1,317,458	1,749,609	2,072,429	2,264,234	2,384,220	2,531,175	3,015,311	3,169,480																							
2018	153,788	583,697	878,341	1,060,851	1,370,309	1,774,133	1,912,756	2,127,503	2,395,118																								
2019	689,496	1,561,490	2,102,629	2,507,017	2,802,620	3,258,411	3,486,879	3,666,344																									
2020	105,627	390,166	608,554	734,769	861,719	1,100,406	1,166,650																										
2021	6,140	805,000	1,548,565	1,874,323	2,178,304	2,310,244																											
2022	128,434	613,647	959,231	1,322,847	1,615,219																												
2023	463,090	703,696	818,036	1,046,711																													
2024	388,229	953,763	1,145,918																														
2025	1,057,619	1,552,988																															
2026	363,205																																

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Summary of Incurred Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	INC LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	-	-	-	-	-	-
1996	-	-	-	-	-	-
1997	-	-	-	-	-	-
1998	478,042	478,042	478,042	-	-	-
1999	2,689,230	2,532,831	2,689,230	156,399	-	156,399
2000	1,195,793	1,195,793	1,195,793	-	-	-
2001	6,675,614	6,374,314	6,675,614	301,300	-	301,300
2002	2,048,171	2,048,171	2,048,171	-	-	-
2003	1,607,917	1,432,117	1,607,917	175,800	-	175,800
2004	3,374,777	2,780,056	3,374,777	594,721	-	594,721
2005	2,153,485	1,844,510	2,153,485	308,975	-	308,975
2006	2,357,913	2,203,018	2,357,913	154,895	-	154,895
2007	1,228,208	1,204,062	1,228,208	24,146	-	24,146
2008	581,362	581,362	581,362	-	-	-
2009	963,112	923,112	963,112	40,000	-	40,000
2010	1,434,710	1,031,562	1,434,006	402,443	705	403,148
2011	1,481,994	1,331,869	1,467,447	135,578	14,548	150,126
2012	2,585,656	2,554,737	2,554,737	-	30,919	30,919
2013	1,288,989	1,103,002	1,262,213	159,211	26,776	185,987
2014	866,528	195,732	844,706	648,974	21,822	670,796
2015	1,790,719	1,371,642	1,683,621	311,979	107,098	419,077
2016	2,618,415	1,586,440	2,432,608	846,169	185,807	1,031,975
2017	5,303,450	3,169,480	4,899,397	1,729,918	404,053	2,133,970
2018	3,729,872	2,395,118	3,359,726	964,608	370,146	1,334,754
2019	6,017,135	3,666,344	4,935,981	1,269,637	1,081,154	2,350,791
2020	2,159,937	1,166,650	1,740,174	573,523	419,764	993,287
2021	4,369,381	2,310,244	3,393,394	1,083,149	975,987	2,059,136
2022	3,428,516	1,615,219	2,563,010	947,791	865,506	1,813,297
2023	2,462,860	1,046,711	1,739,502	692,791	723,358	1,416,149
2024	2,816,767	1,145,918	1,858,818	712,899	957,949	1,670,849
2025	6,146,003	1,552,988	3,677,435	2,124,446	2,468,568	4,593,014
2026	2,961,579	363,205	1,301,215	938,011	1,660,364	2,598,375
TOTAL	76,816,135	51,204,249	66,501,613	15,297,364	10,314,522	25,611,886

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.000
1995																															1.000	1.000
1996																														1.000	1.000	1.000
1997																													1.000	1.000	1.000	1.000
1998	0.919	1.000	1.000	1.000	1.000	1.000	1.000	1.000	5.060	1.000	1.000	1.000	0.941	0.860	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1999	2.823	1.728	1.311	1.028	1.000	1.002	1.000	1.223	1.011	1.020	1.017	0.999	0.985	1.000	1.000	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2000	0.962	1.129	1.031	0.939	0.956	1.047	1.016	1.044	1.052	1.000	1.000	0.998	1.001	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2001	1.249	1.030	0.860	0.957	1.024	1.053	1.037	1.158	1.088	1.010	1.145	1.020	1.010	1.065	1.015	1.050	1.005	1.014	0.990	1.000	1.000	1.000	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002	1.400	0.975	0.747	0.999	1.094	1.051	0.969	1.000	0.961	1.006	1.000	1.208	0.910	1.031	0.994	1.073	1.000	0.978	1.000	0.991	1.000	1.000	0.909	0.976	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003	0.917	0.827	1.143	1.042	1.096	1.030	1.030	1.011	1.061	1.240	0.987	1.006	0.967	0.960	1.071	0.986	0.997	0.967	1.000	0.988	1.109	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004	1.017	1.163	1.104	1.447	1.013	1.039	1.007	1.279	1.013	0.998	0.994	0.994	0.998	0.988	1.018	1.008	1.016	0.995	1.000	1.160	1.000	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005	0.924	1.035	1.032	0.955	1.137	1.010	1.011	0.988	1.000	1.002	1.000	1.208	1.077	1.004	0.969	1.000	1.000	1.000	1.017	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006	1.741	1.117	1.068	1.045	1.040	1.074	1.037	1.282	0.879	1.057	1.033	1.025	1.016	1.019	1.000	0.996	1.000	1.012	1.055	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007	0.951	0.996	0.948	0.974	1.000	1.099	1.009	0.999	0.954	1.000	1.001	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.047	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008	1.200	1.023	0.966	1.026	1.127	1.000	1.000	1.083	0.941	1.000	1.017	1.000	1.000	0.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009	1.279	1.001	1.295	1.058	1.133	1.003	1.000	1.184	0.977	1.021	1.000	0.978	1.000	0.981	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010	0.567	1.112	1.246	1.147	1.203	1.000	1.032	1.197	1.287	1.000	1.126	1.363	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011	1.092	1.390	0.942	0.989	1.006	1.023	1.038	1.145	1.049	1.000	1.000	1.103	1.183	1.000	1.000	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012	1.145	1.406	0.953	1.053	1.078	1.053	1.058	0.995	0.995	0.983	1.005	1.009	1.003	0.990	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013	1.063	1.007	1.090	1.038	0.971	1.031	1.000	1.102	1.005	0.978	1.000	1.000	1.000	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014	5.046	0.919	1.039	1.000	0.981	1.000	1.000	1.023	0.995	1.000	1.000	1.000	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015	1.533	0.993	1.033	1.548	0.987	1.118	1.153	1.009	1.000	0.999	0.998	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016	1.667	1.154	1.165	0.995	1.110	1.000	1.000	1.343	1.000	1.000	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017	2.319	1.027	1.185	1.010	1.199	1.000	1.000	1.078	1.015	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018	1.078	1.126	1.096	1.207	1.002	1.147	1.050	0.993	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019	1.322	1.111	1.074	1.013	1.037	1.025	1.005	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020	1.194	1.267	1.022	1.035	0.989	1.031	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2021	1.291	1.053	1.139	1.096	0.929	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2022	1.331	1.191	1.020	1.024	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2023	1.399	0.997	0.982	1.058	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2024	1.326	1.034	1.070	1.058	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2025	1.362	1.103	1.070	1.058	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2026	1.362	1.103	1.070	1.058	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	ULT
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	127,001	116,714	116,714	116,714	116,714	116,714	116,714	116,714	116,714	590,611	590,611	590,611	590,611	555,611	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042
1999	308,314	870,343	1,504,209	1,971,983	2,027,001	2,026,436	2,030,044	2,030,044	2,482,580	2,510,580	2,561,027	2,603,820	2,601,196	2,561,795	2,561,795	2,561,795	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230
2000	1,026,004	986,880	1,114,568	1,148,569	1,078,568	1,030,942	1,079,607	1,097,363	1,145,515	1,205,440	1,205,440	1,205,440	1,202,646	1,203,928	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793
2001	3,289,000	4,108,645	4,233,509	3,642,391	3,484,058	3,566,802	3,756,792	3,895,867	4,511,171	4,910,015	4,958,003	5,677,351	5,790,979	5,849,503	6,227,944	6,318,643	6,632,090	6,664,686	6,756,186	6,690,965	6,690,965	6,690,965	6,690,965	6,690,965	6,690,965	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614	6,675,614
2002	1,797,008	2,516,405	2,453,720	1,833,500	1,832,500	2,004,966	2,106,298	2,041,647	2,041,647	1,961,513	1,972,533	1,972,533	2,381,937	2,167,740	2,234,838	2,221,133	2,382,845	2,382,845	2,330,982	2,330,982	2,309,328	2,309,328	2,309,328	2,099,064	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171	2,048,171
2003	1,120,100	1,027,589	849,418	970,556	1,011,191	1,108,245	1,141,783	1,175,610	1,188,633	1,261,406	1,563,735	1,542,848	1,552,847	1,501,010	1,441,010	1,543,256	1,520,985	1,516,742	1,466,741	1,466,741	1,449,461	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917	1,607,917
2004	1,126,417	1,145,722	1,332,467	1,471,542	2,129,824	2,157,171	2,241,962	2,257,589	2,888,114	2,925,815	2,920,815	2,902,227	2,885,920	2,880,127	2,846,805	2,896,847	2,921,054	2,966,831	2,953,221	2,953,221	3,424,778	3,424,778	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777	3,374,777
2005	1,543,485	1,425,516	1,475,649	1,522,726	1,454,148	1,653,994	1,671,234	1,688,897	1,668,486	1,668,486	1,672,486	1,672,486	2,019,809	2,175,022	2,184,707	2,117,185	2,117,185	2,117,185	2,117,185	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485	2,153,485
2006	674,273	1,174,072	1,310,933	1,399,553	1,462,786	1,521,109	1,634,236	1,694,721	2,173,374	1,909,874	2,018,289	2,085,285	2,138,100	2,172,164	2,212,418	2,212,418	2,203,318	2,203,318	2,228,883	2,351,840	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913	2,357,913
2007	1,288,241	1,225,463	1,220,733	1,156,901	1,127,089	1,127,090	1,238,935	1,250,577	1,249,903	1,192,870	1,192,870	1,194,026	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,609	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208	1,228,208
2008	415,004	497,948	509,298	492,059	504,948	569,232	569,232	569,232	616,446	580,293	580,153	590,261	590,261	590,261	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362	581,362
2009	426,280	545,273	545,773	706,544	747,814	847,182	849,952	849,952	1,006,233	982,683	1,003,653	1,003,653	981,649	981,649	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112	963,112
2010	542,005	307,495	341,816	426,049	488,528	587,710	587,710	606,228	725,760	933,806	933,806	1,051,870	1,434,006	1,434,006	1,434,006	1,434,006	1,434,006	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710	1,434,710
2011	620,290	677,052	941,166	886,347	876,177	881,632	901,896	935,803	1,071,755	1,124,802	1,124,802	1,124,802	1,240,503	1,467,447	1,467,447	1,467,447	1,481,266	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994	1,481,994
2012	1,343,875	1,538,925	2,163,183	2,062,128	2,171,132	2,339,654	2,464,291	2,607,826	2,593,724	2,580,382	2,536,632	2,550,471	2,572,226	2,580,049	2,554,737	2,560,274	2,584,386	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656	2,585,656
2013	960,010	1,020,291	1,027,875	1,120,854	1,163,773	1,130,369	1,165,331	1,165,331	1,284,396	1,290,963	1,262,213	1,262,213	1,262,213	1,262,213	1,273,575	1,276,336	1,288,356	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989	1,288,989
2014	175,503	885,620	814,206	845,942	845,942	830,162	830,162	830,162	848,925	844,706	844,706	844,706	844,706	848,528	856,166	858,022	866,102	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528	866,528
2015	540,147	827,915	821,797	848,986	1,314,585	1,297,946	1,450,916	1,673,552	1,688,085	1,688,085	1,686,521	1,683,621	1,745,623	1,753,521	1,769,306	1,773,141	1,789,839	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719	1,790,719
2016	732,006	1,219,943	1,407,791	1,639,699	1,631,067	1,810,869	1,810,869	1,810,869	2,432,608	2,432,608	2,432,608	2,461,815	2,552,475	2,564,023	2,587,104	2,592,711	2,617,129	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415	2,618,415
2017	1,308,379	3,034,614	3,117,194	3,693,863	3,731,363	4,475,724	4,475,724	4,475,724	4,824,686	4,899,397	4,927,109	4,986,266	5,169,892	5,193,282	5,240,032	5,251,389	5,300,845	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450	5,303,450
2018	1,743,651	1,880,233	2,117,839	2,320,790	2,802,029	2,808,645	3,221,353	3,382,293	3,359,726	3,445,705	3,465,194	3,506,799	3,635,941	3,652,391	3,685,270	3,693,258	3,728,039	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872	3,729,872
2019	2,895,387	3,827,313	4,250,591	4,565,470	4,624,173	4,795,400	4,913,212	4,935,981	5,420,005	5,558,709	5,590,150	5,657,268	5,865,603	5,892,141	5,945,182	5,958,068	6,014,179	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135	6,017,135
2020	1,066,902	1,273,982	1,613,963	1,649,858	1,707,075	1,688,380	1,740,174	1,771,842	1,945,589	1,995,379	2,006,665	2,030,758	2,105,543	2,115,069	2,134,109	2,138,734	2,158,876	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937	2,159,937
2021	2,154,104	2,780,017	2,927,030	3,334,726	3,654,450	3,393,394	3,520,232	3,584,294	3,935,771	4,036,492	4,059,323	4,108,061	4,259,345	4,278,616	4,317,132	4,326,489	4,367,234	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381	4,369,381
2022	1,548,659	2,060,642	2,453,496	2,502,537	2,563,010	2,662,690	2,762,216	2,812,483	3,088,276	3,167,309	3,185,224	3,223,467	3,342,175	3,357,296	3,387,518	3,394,861	3,426,832	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516	3,428,516
2023	1,270,209	1,776,677	1,771,154	1,739,502	1,841,127	1,912,732	1,984,226	2,020,335	2,218,450	2,275,222	2,288,091	2,315,563	2,400,837	2,411,699	2,433,409	2,438,683	2,461,650	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860	2,462,860
2024	1,355,743	1,797,738	1,858,818	1,989,464	2,105,693	2,187,587	2,269,355	2,310,653	2,537,236	2,602,167	2,616,885	2,648,304	2,745,832	2,758,254	2,783,084	2,789,116	2,815,383	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767	2,816,767
2025	2,699,082	3,677,435	4,055,820	4,340,882	4,594,485	4,773,172	4,951,584	5,041,694	5,536,084	5,677,759	5,709,873	5,778,428	5,991,226	6,018,332	6,072,509	6,085,671	6,142,983	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003	6,146,003
2026	1,301,215	1,772,048	1,954,381	2,091,745	2,213,948	2,300,052	2,386,024	2,429,445	2,667,677	2,735,946	2,751,421	2,784,456	2,886,997	2,900,059	2,926,165	2,932,507	2,960,125	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579	2,961,579

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Selection of Loss Development Factors

	Development Period in Months																															
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	
1994																																
1995																																
1996																																
1997																																
1998	0.919	1.000	1.000	1.000	1.000	1.000	1.000	1.000	5.060	1.000	1.000	1.000	0.941	0.860	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000					
1999	2.823	1.728	1.311	1.028	1.000	1.002	1.000	1.223	1.011	1.020	1.017	0.999	0.985	1.000	1.000	1.050	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000						
2000	0.962	1.129	1.031	0.939	0.956	1.047	1.016	1.044	1.052	1.000	1.000	0.998	1.001	0.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000							
2001	1.249	1.030	0.860	0.957	1.024	1.053	1.037	1.158	1.088	1.010	1.145	1.020	1.010	1.065	1.015	1.050	1.005	1.014	0.990	1.000	1.000	1.000	1.000	0.998	1.000								
2002	1.400	0.975	0.747	0.999	1.094	1.051	0.969	1.000	0.961	1.006	1.000	1.208	0.910	1.031	0.994	1.073	1.000	0.978	1.000	0.991	1.000	1.000	0.909	0.976									
2003	0.917	0.827	1.143	1.042	1.096	1.030	1.030	1.011	1.061	1.240	0.987	1.006	0.967	0.960	1.071	0.986	0.997	0.967	1.000	0.988	1.109	1.000	1.000										
2004	1.017	1.163	1.104	1.447	1.013	1.039	1.007	1.279	1.013	0.998	0.994	0.994	0.998	0.988	1.018	1.008	1.016	0.995	1.000	1.160	1.000	0.985											
2005	0.924	1.035	1.032	0.955	1.137	1.010	1.011	0.988	1.000	1.002	1.000	1.208	1.077	1.004	0.969	1.000	1.000	1.000	1.017	1.000	1.000												
2006	1.741	1.117	1.068	1.045	1.040	1.074	1.037	1.282	0.879	1.057	1.033	1.025	1.016	1.019	1.000	0.996	1.000	1.012	1.055	1.003													
2007	0.951	0.996	0.948	0.974	1.000	1.099	1.009	0.999	0.954	1.000	1.001	0.983	1.000	1.000	1.000	1.000	1.000	1.000	1.047														
2008	1.200	1.023	0.966	1.026	1.127	1.000	1.000	1.083	0.941	1.000	1.017	1.000	1.000	0.985	1.000	1.000	1.000	1.000															
2009	1.279	1.001	1.295	1.058	1.133	1.003	1.000	1.184	0.977	1.021	1.000	0.978	1.000	0.981	1.000	1.000	1.000																
2010	0.567	1.112	1.246	1.147	1.203	1.000	1.032	1.197	1.287	1.000	1.126	1.363	1.000	1.000	1.000	1.000																	
2011	1.092	1.390	0.942	0.989	1.006	1.023	1.038	1.145	1.049	1.000	1.000	1.103	1.183	1.000	1.000																		
2012	1.145	1.406	0.953	1.053	1.078	1.053	1.058	0.995	0.995	0.983	1.005	1.009	1.003	0.990																			
2013	1.063	1.007	1.090	1.038	0.971	1.031	1.000	1.102	1.005	0.978	1.000	1.000	1.000																				
2014	5.046	0.919	1.039	1.000	0.981	1.000	1.000	1.023	0.995	1.000	1.000	1.000																					
2015	1.533	0.993	1.033	1.548	0.987	1.118	1.153	1.009	1.000	0.999	0.998																						
2016	1.667	1.154	1.165	0.995	1.110	1.000	1.000	1.343	1.000	1.000																							
2017	2.319	1.027	1.185	1.010	1.199	1.000	1.000	1.078	1.015																								
2018	1.078	1.126	1.096	1.207	1.002	1.147	1.050	0.993																									
2019	1.322	1.111	1.074	1.013	1.037	1.025	1.005																										
2020	1.194	1.267	1.022	1.035	0.989	1.031																											
2021	1.291	1.053	1.139	1.096	0.929																												
2022	1.331	1.191	1.020	1.024																													
2023	1.399	0.997	0.982																														
2024	1.326	1.034																															
2025	1.362																																
VOL WTD 3	1.362	1.080	1.059	1.058	0.989	1.063	1.015	1.098	1.008	1.000	0.999	1.005	1.046	0.995	1.000	1.000	1.000	1.006	1.039	1.064	1.023	0.993	0.980	0.993	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
VOL WTD 5	1.339	1.097	1.060	1.068	1.039	1.037	1.026	1.081	1.007	0.992	1.001	1.076	1.031	0.993	1.000	0.999	1.000	1.001	1.022	1.039	1.010	0.997	0.985	0.995	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
VOL WTD ALL	1.297	1.092	1.038	1.052	1.042	1.040	1.021	1.104	1.026	1.014	1.030	1.046	1.005	1.009	1.006	1.023	1.003	1.000	1.006	1.020	1.008	0.997	0.986	0.995	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
ARITH 3	1.362	1.074	1.047	1.052	0.985	1.067	1.018	1.138	1.005	1.000	0.999	1.003	1.062	0.997	1.000	1.000	1.000	1.004	1.040	1.054	1.036	0.995	0.970	0.991	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
ARITH 5	1.342	1.108	1.048	1.075	1.031	1.040	1.042	1.089	1.003	0.992	1.001	1.095	1.037	0.991	1.000	0.999	1.000	1.001	1.024	1.028	1.022	0.997	0.982	0.995	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
ARITH ALL	1.433	1.104	1.057	1.065	1.046	1.036	1.021	1.102	1.217	1.017	1.018	1.053	1.006	0.992	1.005	1.012	1.001	0.997	1.011	1.016	1.014	0.998	0.985	0.995	1.000	1.000	1.000	1.000	NA	NA	NA	NA	
5 YR HI LO	1.340	1.093	1.039	1.052	1.009	1.018	1.018	1.036	1.002	0.994	1.000	1.037	1.001	0.992	1.000	1.000	1.000	1.000	1.021	0.998	1.000	1.000	1.000	0.999	1.000	1.000	NA	NA	NA	NA	NA	NA	
7 YR HI LO	1.326	1.103	1.070	1.036	1.025	1.035	1.011	1.041	1.003	0.996	1.001	1.022	1.001	0.995	1.000	1.000	1.000	0.995	1.013	0.999	1.000	1.000	1.000	0.999	1.000	1.000	NA	NA	NA	NA	NA	NA	
ALL YR HI LO	1.327	1.090	1.060	1.049	1.045	1.033	1.016	1.095	1.023	1.006	1.012	1.037	1.000	0.996	1.002	1.009	1.000	0.998	1.008	0.999	1.000	1.000	1.000	0.999	1.000	1.000	NA	NA	NA	NA	NA	NA	Tail
SELECTED	1.362	1.103	1.070	1.058	1.039	1.037	1.018	1.098	1.026	1.006	1.012	1.037	1.005	1.009	1.002	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Incurred Losses

	Development in Months																																		
RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1996	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1998	127,001	116,714	116,714	116,714	116,714	116,714	116,714	116,714	116,714	590,611	590,611	590,611	590,611	555,611	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042	478,042				
1999	308,314	870,343	1,504,209	1,971,983	2,027,001	2,026,436	2,030,044	2,030,044	2,482,580	2,510,580	2,561,027	2,603,820	2,601,196	2,561,795	2,561,795	2,561,795	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230	2,689,230						
2000	1,026,004	986,880	1,114,568	1,148,569	1,078,568	1,030,942	1,079,607	1,097,363	1,145,515	1,205,440	1,205,440	1,205,440	1,202,646	1,203,928	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793	1,195,793							
2001	3,289,000	4,108,645	4,233,509	3,642,391	3,484,058	3,566,802	3,756,792	3,895,867	4,511,171	4,910,015	4,958,003	5,677,351	5,790,979	5,849,503	6,227,944	6,318,643	6,632,090	6,664,686	6,756,186	6,690,965	6,690,965	6,690,965	6,690,965	6,690,965	6,675,614	6,675,614							
2002	1,797,008	2,516,405	2,453,720	1,833,500	1,832,500	2,004,966	2,106,298	2,041,647	2,041,647	1,961,513	1,972,533	1,972,533	2,381,937	2,167,740	2,234,838	2,221,133	2,382,845	2,382,845	2,330,982	2,330,982	2,309,328	2,309,328	2,309,328	2,099,064	2,048,171								
2003	1,120,100	1,027,589	849,418	970,556	1,011,191	1,108,245	1,141,783	1,175,610	1,188,633	1,261,406	1,563,735	1,542,848	1,552,847	1,501,010	1,441,010	1,543,256	1,520,985	1,516,742	1,466,741	1,466,741	1,449,461	1,607,917	1,607,917	1,607,917									
2004	1,126,417	1,145,722	1,332,467	1,471,542	2,129,824	2,157,171	2,241,962	2,257,589	2,888,114	2,925,815	2,920,815	2,902,227	2,885,920	2,880,127	2,846,805	2,896,847	2,921,054	2,966,831	2,953,221	2,953,221	3,424,778	3,424,778	3,374,777										
2005	1,543,485	1,425,516	1,475,649	1,522,726	1,454,148	1,653,994	1,671,234	1,688,897	1,668,486	1,668,486	1,672,486	1,672,486	2,019,809	2,175,022	2,184,707	2,117,185	2,117,185	2,117,185	2,117,185	2,153,485	2,153,485	2,153,485											
2006	674,273	1,174,072	1,310,933	1,399,553	1,462,786	1,521,109	1,634,236	1,694,721	2,173,374	1,909,874	2,018,289	2,085,285	2,138,100	2,172,164	2,212,418	2,212,418	2,203,318	2,203,318	2,228,883	2,351,840	2,357,913												
2007	1,288,241	1,225,463	1,220,733	1,156,901	1,127,089	1,127,090	1,238,935	1,250,577	1,249,903	1,192,870	1,192,870	1,194,026	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,608	1,173,609	1,228,208													
2008	415,004	497,948	509,298	492,059	504,948	569,232	569,232	569,232	616,446	580,293	580,153	590,261	590,261	590,261	581,362	581,362	581,362	581,362	581,362														
2009	426,280	545,273	545,773	706,544	747,814	847,182	849,952	849,952	1,006,233	982,683	1,003,653	1,003,653	981,649	981,649	963,112	963,112	963,112	963,112															
2010	542,005	307,495	341,816	426,049	488,528	587,710	587,710	606,228	725,760	933,806	933,806	1,051,870	1,434,006	1,434,006	1,434,006	1,434,006	1,434,006																
2011	620,290	677,052	941,166	886,347	876,177	881,632	901,896	935,803	1,071,755	1,124,802	1,124,802	1,124,802	1,240,503	1,467,447	1,467,447	1,467,447																	
2012	1,343,875	1,538,925	2,163,183	2,062,128	2,171,132	2,339,654	2,464,291	2,607,826	2,593,724	2,580,382	2,536,632	2,550,471	2,572,226	2,580,049	2,554,737																		
2013	960,010	1,020,291	1,027,875	1,120,854	1,163,773	1,130,369	1,165,331	1,165,331	1,284,396	1,290,963	1,262,213	1,262,213	1,262,213	1,262,213																			
2014	175,503	885,620	814,206	845,942	845,942	830,162	830,162	830,162	848,925	844,706	844,706	844,706	844,706																				
2015	540,147	827,915	821,797	848,986	1,314,585	1,297,946	1,450,916	1,673,552	1,688,085	1,688,085	1,686,521	1,683,621																					
2016	732,006	1,219,943	1,407,791	1,639,699	1,631,067	1,810,869	1,810,869	1,810,869	2,432,608	2,432,608	2,432,608																						
2017	1,308,379	3,034,614	3,117,194	3,693,863	3,731,363	4,475,724	4,475,724	4,475,724	4,824,686	4,899,397																							
2018	1,743,651	1,880,233	2,117,839	2,320,790	2,802,029	2,808,645	3,221,353	3,382,293	3,359,726																								
2019	2,895,387	3,827,313	4,250,591	4,565,470	4,624,173	4,795,400	4,913,212	4,935,981																									
2020	1,066,902	1,273,982	1,613,963	1,649,858	1,707,075	1,688,380	1,740,174																										
2021	2,154,104	2,780,017	2,927,030	3,334,726	3,654,450	3,393,394																											
2022	1,548,659	2,060,642	2,453,496	2,502,537	2,563,010																												
2023	1,270,209	1,776,677	1,771,154	1,739,502																													
2024	1,355,743	1,797,738	1,858,818																														
2025	2,699,082	3,677,435																															
2026	1,301,215																																

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Determination of Pure Premium

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) SELECTED ULTIMATE	(5) POLICIES IN FORCE	(6) PURE PREMIUM
1994					
1995					
1996					
1997					
1998					
1999					
2000					
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008	581,362	581,362	581,362	517	1,124
2009	1,027,859	963,112	995,485	563	1,768
2010	1,434,006	1,434,710	1,434,358	578	2,482
2011	1,515,782	1,481,994	1,498,888	810	1,850
2012	2,554,737	2,585,656	2,570,196	975	2,636
2013	1,311,011	1,288,989	1,300,000	1,003	1,296
2014	844,706	866,528	855,617	1,030	831
2015	1,747,535	1,790,719	1,769,127	1,021	1,733
2016	2,432,608	2,618,415	2,525,512	1,010	2,501
2017	4,899,397	5,303,450	5,101,424	1,005	5,076
2018	3,536,876	3,729,872	3,633,374	999	3,637
2019	5,846,740	6,017,135	5,931,937	989	5,998
2020	2,028,376	2,159,937	2,094,157	978	2,141
2021	4,300,470	4,369,381	4,334,926	965	4,492
2022	3,540,347	3,428,516	3,484,432	942	3,699
2023	2,737,313	2,462,860	2,600,086	914	2,845
2024	4,020,517	2,816,767	3,418,642	892	3,833
2025	7,985,893	6,146,003	7,065,948	886	7,975
2026	5,495,768	2,961,579	4,228,674	861	4,911
TOTAL	57,841,304	53,006,985	55,424,144	16,938	3,272

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Paid Bornhuetter-Ferguson Method

(1) RY	(2) POLICIES IN FORCE	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT UNPAID	(8) EXPECTED UNPAID	(9) PAID LOSSES	(10) INDICATED ULTIMATE	(11) INCURRED LOSSES	(12) IBNR RESERVE	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	517	1,124	2,053	2,828	1,462,230	5.7%	83,352	581,362	664,714	581,362	83,352	-	1,286
2009	563	1,768	3,122	2,924	1,646,471	6.6%	108,496	923,112	1,031,608	963,112	68,496	40,000	1,832
2010	578	2,482	4,237	3,024	1,747,809	7.7%	135,278	1,031,562	1,166,841	1,434,006	(267,165)	402,443	2,019
2011	810	1,850	3,056	3,127	2,532,630	9.7%	245,008	1,331,869	1,576,877	1,467,447	109,431	135,578	1,947
2012	975	2,636	4,210	3,233	3,152,187	11.7%	367,534	2,554,737	2,922,271	2,554,737	367,534	-	2,997
2013	1,003	1,296	2,002	3,343	3,352,963	14.3%	478,890	1,103,002	1,581,891	1,262,213	319,678	159,211	1,577
2014	1,030	831	1,241	3,457	3,560,292	17.6%	626,090	195,732	821,821	844,706	(22,885)	648,974	798
2015	1,021	1,733	2,503	3,574	3,649,175	19.6%	716,277	1,371,642	2,087,919	1,683,621	404,298	311,979	2,045
2016	1,010	2,501	3,493	3,696	3,732,595	23.2%	865,894	1,586,440	2,452,334	2,432,608	19,725	846,169	2,428
2017	1,005	5,076	6,858	3,821	3,840,397	28.9%	1,109,707	3,169,480	4,279,186	4,899,397	(620,211)	1,729,918	4,258
2018	999	3,637	4,752	3,951	3,947,263	34.2%	1,348,272	2,395,118	3,743,390	3,359,726	383,664	964,608	3,747
2019	989	5,998	7,580	4,086	4,040,614	39.6%	1,600,395	3,666,344	5,266,738	4,935,981	330,757	1,269,637	5,325
2020	978	2,141	2,617	4,224	4,131,526	43.6%	1,801,065	1,166,650	2,967,716	1,740,174	1,227,542	573,523	3,034
2021	965	4,492	5,310	4,368	4,215,213	52.1%	2,195,942	2,310,244	4,506,186	3,393,394	1,112,793	1,083,149	4,670
2022	942	3,699	4,228	4,517	4,254,648	59.8%	2,546,384	1,615,219	4,161,603	2,563,010	1,598,593	947,791	4,418
2023	914	2,845	3,145	4,670	4,268,541	70.1%	2,991,101	1,046,711	4,037,811	1,739,502	2,298,309	692,791	4,418
2024	892	3,833	4,098	4,829	4,307,434	79.6%	3,427,900	1,145,918	4,573,818	1,858,818	2,715,001	712,899	5,128
2025	886	7,975	8,246	4,993	4,423,928	93.1%	4,116,941	1,552,988	5,669,929	3,677,435	1,992,494	2,124,446	6,399
2026	861	4,911	4,911	5,163	4,445,269	93.1%	4,136,800	363,205	4,500,005	1,301,215	3,198,790	938,011	5,226
TOTAL	16,938				66,711,183		28,901,325	29,111,335	58,012,660	42,692,463	15,320,197	13,581,128	3,425

Pure Premium Selection		Trend =	1.034
3-Year Average Ex. Latest	5,163		
5-Year Average Ex. Latest	5,005		
All Year Average Ex. Latest	4,042		
Selected Pure Premium	5,163		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Insurance AST
Incurred Bornhuetter-Ferguson Method

(1) RY	(2) POLICIES IN FORCE	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT IBNR	(8) EXPECTED IBNR	(9) INCURRED LOSSES	(10) INDICATED ULTIMATE	(11) PAID LOSSES	(12) UNPAID LOSS	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	517	1,124	2,053	2,828	1,462,230	0.0%	-	581,362	581,362	581,362	-	-	1,124
2009	563	1,768	3,122	2,924	1,646,471	0.0%	-	963,112	963,112	923,112	40,000	40,000	1,711
2010	578	2,482	4,237	3,024	1,747,809	0.0%	859	1,434,006	1,434,864	1,031,562	403,302	402,443	2,482
2011	810	1,850	3,056	3,127	2,532,630	1.0%	24,861	1,467,447	1,492,308	1,331,869	160,439	135,578	1,842
2012	975	2,636	4,210	3,233	3,152,187	1.2%	37,694	2,554,737	2,592,431	2,554,737	37,694	-	2,659
2013	1,003	1,296	2,002	3,343	3,352,963	2.1%	69,651	1,262,213	1,331,864	1,103,002	228,862	159,211	1,328
2014	1,030	831	1,241	3,457	3,560,292	2.5%	89,660	844,706	934,366	195,732	738,634	648,974	907
2015	1,021	1,733	2,503	3,574	3,649,175	6.0%	218,246	1,683,621	1,901,868	1,371,642	530,225	311,979	1,863
2016	1,010	2,501	3,493	3,696	3,732,595	7.1%	264,871	2,432,608	2,697,479	1,586,440	1,111,039	846,169	2,671
2017	1,005	5,076	6,858	3,821	3,840,397	7.6%	292,587	4,899,397	5,191,985	3,169,480	2,022,505	1,729,918	5,166
2018	999	3,637	4,752	3,951	3,947,263	9.9%	391,720	3,359,726	3,751,445	2,395,118	1,356,327	964,608	3,755
2019	989	5,998	7,580	4,086	4,040,614	18.0%	726,014	4,935,981	5,661,995	3,666,344	1,995,652	1,269,637	5,725
2020	978	2,141	2,617	4,224	4,131,526	19.4%	802,924	1,740,174	2,543,097	1,166,650	1,376,447	573,523	2,600
2021	965	4,492	5,310	4,368	4,215,213	22.3%	941,551	3,393,394	4,334,944	2,310,244	2,024,700	1,083,149	4,492
2022	942	3,699	4,228	4,517	4,254,648	25.2%	1,074,057	2,563,010	3,637,068	1,615,219	2,021,848	947,791	3,861
2023	914	2,845	3,145	4,670	4,268,541	29.4%	1,253,698	1,739,502	2,993,200	1,046,711	1,946,489	692,791	3,275
2024	892	3,833	4,098	4,829	4,307,434	34.0%	1,464,907	1,858,818	3,323,725	1,145,918	2,177,807	712,899	3,726
2025	886	7,975	8,246	4,993	4,423,928	40.2%	1,776,889	3,677,435	5,454,324	1,552,988	3,901,336	2,124,446	6,156
2026	861	4,911	4,911	5,163	4,445,269	56.1%	2,492,172	1,301,215	3,793,387	363,205	3,430,182	938,011	4,406
TOTAL	16,938				66,711,183		11,922,360	42,692,463	54,614,823	29,111,335	25,503,489	13,581,128	3,224

Pure Premium Selection		Trend =	1.034
3-Year Average Ex. Latest	5,163		
5-Year Average Ex. Latest	5,005		
All Year Average Ex. Latest	4,042		
Selected Pure Premium	5,163		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Summary of Paid Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	PAID LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	106,826	106,826	106,826	-	-	-
1996	109,456	109,456	109,456	-	-	-
1997	-	-	-	-	-	-
1998	662,628	662,628	662,628	-	-	-
1999	1,160,375	1,006,757	1,160,375	153,618	-	153,618
2000	5,323,364	4,489,855	5,323,364	833,509	-	833,509
2001	2,571,645	2,101,725	2,571,645	469,920	-	469,920
2002	239,493	239,493	239,493	-	-	-
2003	555,224	555,224	555,224	-	-	-
2004	2,045,997	1,965,711	2,045,997	80,287	-	80,287
2005	79,838	79,838	79,838	-	-	-
2006	-	-	-	-	-	-
2007	41,750	41,750	41,750	-	-	-
2008	51,787	51,787	51,787	-	-	-
2009	183,657	183,657	183,657	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	155,510	155,510	155,510	-	-	-
2016	-	-	-	-	-	-
2017	59,359	59,359	59,359	-	-	-
2018	-	-	-	-	-	-
2019	-	-	-	-	-	-
2020	61,158	61,158	61,158	-	-	-
2021	71,637	23,938	21,658	(2,280)	49,979	47,699
2022	-	-	-	-	-	-
2023	-	-	-	-	-	-
2024	-	-	-	-	-	-
2025	-	-	-	-	-	-
2026	-	-	-	-	-	-
TOTAL	13,479,705	11,894,672	13,429,726	1,535,054	49,979	1,585,033

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.000
1995							2.144	1.250	1.102	1.016	1.278	1.153	1.000	1.048	1.141	1.010	1.042	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1996										1.967	1.516	1.030	1.000	1.104	1.620	1.057	1.109	1.113	1.009	1.011	1.055	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1997																													1.000	1.000	1.000	1.000
1998		2.879	1.306	1.090	1.020	1.000	1.056	1.070	1.037	1.019	1.055	1.046	1.006	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.040	1.003	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1999	1.574	1.414	1.100	1.177	1.114	1.688	1.143	1.071	1.085	1.064	1.028	1.008	1.024	1.000	1.000	1.012	1.052	1.053	1.053	1.022	1.005	1.000	1.029	1.000	1.000	1.086	1.000	1.000	1.000	1.000	1.000	1.000
2000	32.169	1.299	1.168	1.073	1.065	1.098	1.091	1.205	1.127	1.059	1.045	1.024	1.050	1.035	1.020	1.043	1.262	1.078	1.056	1.032	1.056	1.037	1.008	1.031	1.012	1.055	1.000	1.000	1.000	1.000	1.000	1.000
2001			7.454	2.945	2.045	1.350	1.237	1.305	1.137	1.164	1.109	1.073	1.141	1.052	1.205	1.153	1.148	1.068	1.027	1.043	1.130	1.045	1.089	1.032	1.096	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002		4.517	2.551	1.068	1.086	1.000	1.038	1.904	1.113	1.019	1.000	1.065	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003	1.224	1.255	1.000	1.000	1.000	1.317	1.736	1.067	1.029	1.286	1.111	1.054	1.071	1.053	1.010	1.061	1.044	1.000	1.000	1.000	1.000	1.000	1.000	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004		3.475	1.113	1.759	1.221	1.157	1.322	1.092	1.254	1.712	1.027	1.055	1.028	1.066	1.053	1.028	1.000	1.051	1.000	1.000	1.000	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005	1.794	1.493	1.622	1.000	1.316	1.173	1.202	1.079	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006																					1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007		2.517	1.169	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008		1.226	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009			1.105	1.340	1.052	1.375	1.089	1.347	1.098	1.122	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010																	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011																1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012															1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013														1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014													1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015		2.167	1.222	1.092	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016											1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017	1.233	1.115	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018									1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019								1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020			1.329	1.072	1.000	1.000	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2021			1.470	1.231	1.105	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2022					1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2023				1.157	1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2024			1.327	1.157	1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2025		1.969	1.327	1.157	1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2026	1.534	1.969	1.327	1.157	1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	ULT
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	19,195	41,156	51,445	56,701	57,626	73,664	84,921	84,921	88,971	101,542	102,511	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826
1996	-	-	-	-	-	-	-	-	-	14,203	27,940	42,359	43,615	43,615	48,148	77,977	82,406	91,416	101,779	102,681	103,782	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	-	113,506	326,771	426,734	465,016	474,091	474,091	500,870	536,142	555,872	566,448	597,852	625,365	629,257	635,092	635,092	635,092	635,092	635,092	635,092	635,092	635,092	660,330	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628
1999	91,601	144,146	203,805	224,092	263,855	293,881	496,057	566,771	606,742	658,048	700,391	720,192	725,603	742,943	742,943	742,943	752,199	791,317	832,940	877,361	896,961	901,367	901,367	901,367	927,375	927,375	927,375	1,006,757	1,006,757	1,006,757	1,006,757	1,006,757	1,006,757	1,006,757
2000	20,982	674,958	876,902	1,024,657	1,099,163	1,170,270	1,285,061	1,402,232	1,689,472	1,904,201	2,016,986	2,107,858	2,157,573	2,264,937	2,343,316	2,389,919	2,492,253	3,145,708	3,389,842	3,580,895	3,695,681	3,901,741	4,047,432	4,079,172	4,207,252	4,256,669	4,489,855	4,489,855	4,489,855	4,489,855	4,489,855	4,489,855	4,489,855	4,489,855
2001	-	-	4,285	31,943	94,057	192,393	259,731	321,220	419,351	476,821	555,214	615,741	660,726	753,773	792,848	955,109	1,101,634	1,265,107	1,350,627	1,386,505	1,445,977	1,633,339	1,706,061	1,858,442	1,918,042	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725	2,101,725
2002	-	7,498	33,870	86,415	92,333	100,309	100,309	104,163	198,304	220,667	224,817	224,817	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493
2003	75,879	92,879	116,529	116,529	116,529	116,529	153,490	266,468	284,207	292,415	376,033	417,688	440,376	471,503	496,493	501,430	532,032	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	561,035	561,035	561,035	561,035	561,035	561,035	561,035	561,035	561,035
2004	-	48,087	167,082	185,942	327,157	399,428	462,288	611,344	667,682	837,489	1,433,954	1,473,129	1,554,162	1,598,045	1,703,105	1,792,711	1,843,534	1,843,534	1,937,099	1,937,099	1,937,099	1,937,099	1,965,711	1,985,454	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235	2,006,235
2005	9,181	16,467	24,588	39,884	39,884	52,485	61,585	74,021	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	81,047	81,862	82,718	82,718	82,718	82,718	82,718	82,718	82,718	82,718	82,718	82,718
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	-	14,192	35,720	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	42,201	42,809	43,458	43,895	44,354	44,354	44,354	44,354	44,354	44,354	44,354	44,354	44,354	44,354
2008	-	38,408	47,087	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	52,470	53,037	53,801	54,617	55,165	55,743	55,743	55,743	55,743	55,743	55,743	55,743	55,743	55,743
2009	-	-	47,443	52,422	70,244	73,919	101,655	110,661	149,107	163,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	188,222	190,705	192,765	195,544	198,507	200,501	202,599	202,599	202,599	202,599	202,599	202,599	202,599	202,599	202,599	202,599
2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	-	53,789	116,564	142,401	155,510	155,510	155,510	155,510	155,510	155,510	155,510	155,510	161,574	168,532	174,675	182,786	190,876	197,738	202,653	205,326	207,544	210,536	213,727	215,873	218,133	218,133	218,133	218,133	218,133	218,133	218,133	218,133	218,133	218,133
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	43,180	53,255	59,359	59,359	59,359	59,359	59,359	59,359	59,359	59,359	69,735	73,117	75,968	79,240	82,128	85,942	89,746	92,972	95,283	96,540	97,582	98,989	100,489	101,499	102,561	102,561	102,561	102,561	102,561	102,561	102,561	102,561	102,561	102,561
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	-	-	42,917	57,042	61,158	61,158	61,158	70,778	82,008	91,266	107,220	112,420	116,804	121,834	126,275	132,138	137,986	142,947	146,500	148,433	150,036	152,199	154,505	156,057	157,690	157,690	157,690	157,690	157,690	157,690	157,690	157,690	157,690	157,690
2021	-	-	11,965	17,593	21,658	23,938	27,784	32,154	37,255	41,461	48,709	51,071	53,063	55,348	57,365	60,029	62,686	64,939	66,553	67,431	68,160	69,142	70,190	70,895	71,637	71,637	71,637	71,637	71,637	71,637	71,637	71,637	71,637	71,637
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Selection of Loss Development Factors

	Development Period in Months																															
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	
1994																																
1995							2.144	1.250	1.102	1.016	1.278	1.153	1.000	1.048	1.141	1.010	1.042	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	
1996										1.967	1.516	1.030	1.000	1.104	1.620	1.057	1.109	1.113	1.009	1.011	1.055	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
1997																																
1998		2.879	1.306	1.090	1.020	1.000	1.056	1.070	1.037	1.019	1.055	1.046	1.006	1.009	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.040	1.003	1.000	1.000	1.000	1.000	1.000				
1999	1.574	1.414	1.100	1.177	1.114	1.688	1.143	1.071	1.085	1.064	1.028	1.008	1.024	1.000	1.000	1.012	1.052	1.053	1.053	1.022	1.005	1.000	1.029	1.000	1.000	1.086	1.000					
2000	32.169	1.299	1.168	1.073	1.065	1.098	1.091	1.205	1.127	1.059	1.045	1.024	1.050	1.035	1.020	1.043	1.262	1.078	1.056	1.032	1.056	1.037	1.008	1.031	1.012	1.055						
2001			7.454	2.945	2.045	1.350	1.237	1.305	1.137	1.164	1.109	1.073	1.141	1.052	1.205	1.153	1.148	1.068	1.027	1.043	1.130	1.045	1.089	1.032	1.096							
2002		4.517	2.551	1.068	1.086	1.000	1.038	1.904	1.113	1.019	1.000	1.065	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000								
2003	1.224	1.255	1.000	1.000	1.000	1.317	1.736	1.067	1.029	1.286	1.111	1.054	1.071	1.053	1.010	1.061	1.044	1.000	1.000	1.000	1.000	1.000	1.000									
2004		3.475	1.113	1.759	1.221	1.157	1.322	1.092	1.254	1.712	1.027	1.055	1.028	1.066	1.053	1.028	1.000	1.051	1.000	1.000	1.000	1.015										
2005	1.794	1.493	1.622	1.000	1.316	1.173	1.202	1.079	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000											
2006																																
2007		2.517	1.169	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000													
2008		1.226	1.100	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000														
2009			1.105	1.340	1.052	1.375	1.089	1.347	1.098	1.122	1.000	1.000	1.000	1.000	1.000	1.000	1.000																
2010																																
2011																																
2012																																
2013																																
2014																																
2015		2.167	1.222	1.092	1.000	1.000	1.000	1.000	1.000	1.000	1.000																					
2016																																
2017	1.233	1.115	1.000	1.000	1.000	1.000	1.000	1.000	1.000																							
2018																																
2019																																
2020			1.329	1.072	1.000	1.000																										
2021			1.470	1.231	1.105																											
2022																																
2023																																
2024																																
2025																																
VOL WTD 3	NA	NA	1.470	1.110	1.028	1.000	1.000	1.000	1.000	1.000	1.000	NA	NA	NA	`	1.000	1.000	1.000	1.000	1.000	1.000	1.010	1.061	1.030	1.033	1.053	1.000	1.000	1.000	1.000	1.000	
VOL WTD 5	NA	NA	1.360	1.110	1.016	1.000	1.000	1.000	1.000	1.000	1.000	NA	1.000	1.000	1.000	1.000	1.000	1.046	1.000	1.000	1.044	1.030	1.028	1.024	1.030	1.052	1.000	1.000	1.000	1.000	1.000	
VOL WTD ALL	4.076	1.597	1.210	1.157	1.104	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.110	1.054	1.029	1.021	1.042	1.027	1.026	1.024	1.029	1.052	1.000	1.000	1.000	1.000	1.000	
ARITH 3	NA	NA	1.470	1.152	1.053	1.000	1.000	1.000	1.000	1.000	1.000	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.005	1.030	1.021	1.036	1.047	1.000	1.000	1.000	1.000	1.000	
ARITH 5	NA	NA	1.400	1.152	1.035	1.000	1.000	1.000	1.000	1.000	1.000	NA	1.000	1.000	1.000	1.000	1.000	1.013	1.000	1.000	1.026	1.019	1.025	1.013	1.027	1.035	1.000	1.000	1.000	1.000	1.000	
ARITH ALL	7.599	2.123	1.714	1.257	1.135	1.154	1.218	1.171	1.070	1.174	1.084	1.039	1.025	1.028	1.081	1.028	1.051	1.030	1.013	1.011	1.024	1.015	1.016	1.009	1.018	1.028	1.000	1.000	1.000	1.000	1.000	
5 YR HI LO	NA	NA	NA	NA	1.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.017	1.012	1.010	1.006	1.027	1.000	1.000	NA	NA	NA	
7 YR HI LO	NA	NA	1.329	1.072	1.000	1.000	NA	NA	NA	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.008	1.012	1.018	1.010	1.008	1.003	1.018	1.000	1.000	NA	NA	NA	
ALL YR HI LO	1.534	1.969	1.327	1.146	1.075	1.123	1.160	1.124	1.061	1.122	1.055	1.032	1.016	1.024	1.039	1.019	1.036	1.025	1.010	1.008	1.014	1.013	1.007	1.006	1.003	1.018	1.000	1.000	NA	NA	NA	TAIL
SELECTED	1.534	1.969	1.327	1.157	1.135	1.161	1.157	1.159	1.113	1.175	1.048	1.039	1.043	1.036	1.046	1.044	1.036	1.025	1.013	1.011	1.014	1.015	1.010	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Paid Losses

	Development in Months																																		
RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396		
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	-	-	-	-	-	-	19,195	41,156	51,445	56,701	57,626	73,664	84,921	84,921	88,971	101,542	102,511	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826		
1996	-	-	-	-	-	-	-	-	-	14,203	27,940	42,359	43,615	43,615	48,148	77,977	82,406	91,416	101,779	102,681	103,782	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456			
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1998	-	113,506	326,771	426,734	465,016	474,091	474,091	500,870	536,142	555,872	566,448	597,852	625,365	629,257	635,092	635,092	635,092	635,092	635,092	635,092	635,092	635,092	660,330	662,628	662,628	662,628	662,628	662,628	662,628	-					
1999	91,601	144,146	203,805	224,092	263,855	293,881	496,057	566,771	606,742	658,048	700,391	720,192	725,603	742,943	742,943	742,943	752,199	791,317	832,940	877,361	896,961	901,367	901,367	927,375	927,375	927,375	1,006,757	1,006,757							
2000	20,982	674,958	876,902	1,024,657	1,099,163	1,170,270	1,285,061	1,402,232	1,689,472	1,904,201	2,016,986	2,107,858	2,157,573	2,264,937	2,343,316	2,389,919	2,492,253	3,145,708	3,389,842	3,580,895	3,695,681	3,901,741	4,047,432	4,079,172	4,207,252	4,256,669	4,489,855								
2001	-	-	4,285	31,943	94,057	192,393	259,731	321,220	419,351	476,821	555,214	615,741	660,726	753,773	792,848	955,109	1,101,634	1,265,107	1,350,627	1,386,505	1,445,977	1,633,339	1,706,061	1,858,442	1,918,042	2,101,725									
2002	-	7,498	33,870	86,415	92,333	100,309	100,309	104,163	198,304	220,667	224,817	224,817	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493										
2003	75,879	92,879	116,529	116,529	116,529	116,529	153,490	266,468	284,207	292,415	376,033	417,688	440,376	471,503	496,493	501,430	532,032	555,224	555,224	555,224	555,224	555,224	555,224	555,224											
2004	-	48,087	167,082	185,942	327,157	399,428	462,288	611,344	667,682	837,489	1,433,954	1,473,129	1,554,162	1,598,045	1,703,105	1,792,711	1,843,534	1,843,534	1,937,099	1,937,099	1,937,099	1,937,099	1,965,711												
2005	9,181	16,467	24,588	39,884	39,884	52,485	61,585	74,021	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838													
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
2007	-	14,192	35,720	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750															
2008	-	38,408	47,087	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787																
2009	-	-	47,443	52,422	70,244	73,919	101,655	110,661	149,107	163,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657																	
2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
2014	-	-	-	-	-	-	-	-	-	-	-	-	-																						
2015	-	53,789	116,564	142,401	155,510	155,510	155,510	155,510	155,510	155,510	155,510	155,510																							
2016	-	-	-	-	-	-	-	-	-	-	-																								
2017	43,180	53,255	59,359	59,359	59,359	59,359	59,359	59,359	59,359	59,359																									
2018	-	-	-	-	-	-	-	-	-																										
2019	-	-	-	-	-	-	-	-																											
2020	-	-	42,917	57,042	61,158	61,158	61,158																												
2021	-	-	11,965	17,593	21,658	23,938																													
2022	-	-	-	-	-																														
2023	-	-	-	-																															
2024	-	-	-																																
2025	-	-																																	
2026	-																																		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Summary of Incurred Development Method

(1)	(2)	(3)	(4)	(5)	(6)	(7)
	INC LDM	PAID	INCURRED	CASE	IBNR	UNPAID
RY	ULTIMATE	LOSS	LOSS	RESERVE	RESERVE	LOSS
1994	-	-	-	-	-	-
1995	106,826	106,826	106,826	-	-	-
1996	109,456	109,456	109,456	-	-	-
1997	-	-	-	-	-	-
1998	662,628	662,628	662,628	-	-	-
1999	1,160,375	1,006,757	1,160,375	153,618	-	153,618
2000	5,323,364	4,489,855	5,323,364	833,509	-	833,509
2001	2,571,645	2,101,725	2,571,645	469,920	-	469,920
2002	239,493	239,493	239,493	-	-	-
2003	555,224	555,224	555,224	-	-	-
2004	2,045,997	1,965,711	2,045,997	80,287	-	80,287
2005	79,838	79,838	79,838	-	-	-
2006	-	-	-	-	-	-
2007	41,750	41,750	41,750	-	-	-
2008	51,787	51,787	51,787	-	-	-
2009	183,657	183,657	183,657	-	-	-
2010	-	-	-	-	-	-
2011	-	-	-	-	-	-
2012	-	-	-	-	-	-
2013	-	-	-	-	-	-
2014	-	-	-	-	-	-
2015	173,284	155,510	155,510	-	17,773	17,773
2016	-	-	-	-	-	-
2017	71,602	59,359	59,359	-	12,243	12,243
2018	-	-	-	-	-	-
2019	-	-	-	-	-	-
2020	80,803	61,158	61,158	-	19,645	19,645
2021	29,496	23,938	21,658	(2,280)	7,838	5,558
2022	-	-	-	-	-	-
2023	-	-	-	-	-	-
2024	-	-	-	-	-	-
2025	-	-	-	-	-	-
2026	-	-	-	-	-	-
TOTAL	13,487,225	11,894,672	13,429,726	1,535,054	57,499	1,592,553

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Development of Losses to Ultimate

Development Period in Months

RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	396 - ULT
1994																																1.000
1995	1.000	100000.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.067	1.000	1.000	0.805	1.291	1.096	0.885	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1996	0.231	1.000	1.000	2.333	2.000	1.000	0.286			1.079	1.260	1.000	1.000	1.000	1.505	1.058	1.000	1.108	1.000	1.000	0.913	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1997																													1.000	1.000	1.000	1.000
1998	1.062	2.451	1.173	0.998	1.460	1.000	0.738	0.814	0.872	1.015	1.047	0.920	1.000	0.988	1.000	1.000	1.000	1.000	1.000	1.000	1.110	1.000	0.940	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
1999	1.296	1.021	1.047	1.220	1.484	0.939	1.042	1.065	1.069	0.948	1.000	1.024	1.000	0.943	1.013	1.000	1.038	1.019	1.027	1.000	0.984	1.124	1.000	1.075	1.000	1.063	1.000	1.000	1.000	1.000	1.000	1.000
2000	1.233	1.102	1.084	1.024	0.995	1.027	1.130	1.024	1.287	1.052	0.990	1.196	0.991	0.995	1.055	1.008	1.048	0.981	0.979	1.077	1.000	1.000	1.000	1.097	0.991	0.958	1.000	1.000	1.000	1.000	1.000	1.000
2001	3.124	1.409	0.819	0.968	0.921	1.106	1.072	1.008	1.075	1.122	0.974	1.015	1.008	0.938	1.160	0.988	1.074	1.060	1.008	1.087	1.090	1.030	1.027	1.012	1.010	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2002	3.261	0.902	0.742	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.549	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2003	1.004	1.185	1.031	1.000	1.114	1.298	1.128	0.958	1.150	1.051	1.000	0.832	1.147	1.000	1.000	1.011	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2004	0.860	3.207	0.981	1.000	0.999	1.000	1.211	0.977	1.540	1.142	1.031	1.043	1.000	1.022	1.120	0.997	1.000	1.000	1.000	1.000	1.000	0.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2005	0.922	0.888	1.000	0.974	1.119	1.000	1.367	0.872	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2006																					1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2007	0.860	1.000	0.485	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2008	0.577	1.000	0.898	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2009	1.000	2.119	1.000	1.000	1.000	1.346	1.260	1.000	1.000	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2010																	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2011																1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2012															1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2013														1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2014													1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2015	195789.070	1.000	1.000	0.794	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2016											1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2017	1.314	0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2018									1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2019								1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2020	121700.000	1.000	1.000	0.503	1.000	1.000	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2021	32000.000	2.344	1.000	1.000	0.289	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2022					1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2023				1.004	1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2024			1.000	1.004	1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2025		1.326	1.000	1.004	1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2026	1.508	1.326	1.000	1.004	1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396	ULT
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1995	1	1	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	106,701	106,701	106,701	85,921	110,921	121,542	107,511	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826
1996	65,000	15,001	15,001	15,001	35,001	70,001	70,001	20,000	-	50,001	53,940	67,940	67,940	67,940	67,940	102,248	108,206	108,206	119,916	119,916	119,916	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1998	282,000	299,445	733,820	861,104	859,104	1,254,635	1,254,635	925,870	753,994	657,142	667,199	698,719	642,886	642,886	635,092	635,092	635,092	635,092	635,092	635,092	635,093	705,092	705,092	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628	662,628
1999	326,051	422,473	431,473	451,795	551,082	817,622	767,621	799,946	852,191	911,194	864,063	864,063	884,524	884,524	834,523	845,513	845,513	877,512	894,316	918,080	918,080	903,367	1,015,367	1,015,367	1,091,367	1,091,367	1,160,375	1,160,375	1,160,375	1,160,375	1,160,375	1,160,375	1,160,375	1,160,375
2000	1,574,010	1,940,036	2,138,409	2,318,241	2,373,817	2,362,022	2,425,475	2,740,707	2,806,073	3,611,563	3,800,172	3,760,769	4,498,038	4,458,038	4,436,364	4,679,785	4,716,883	4,941,331	4,846,337	4,745,702	5,109,537	5,109,537	5,110,193	5,110,193	5,606,550	5,556,549	5,323,364	5,323,364	5,323,364	5,323,364	5,323,364	5,323,364	5,323,364	5,323,364
2001	352,097	1,100,044	1,550,024	1,269,232	1,228,914	1,132,185	1,251,921	1,341,922	1,353,082	1,454,127	1,632,137	1,590,155	1,613,301	1,625,771	1,525,769	1,769,746	1,748,565	1,877,255	1,989,067	2,004,715	2,180,014	2,377,098	2,447,900	2,514,717	2,545,328	2,571,645	2,571,645	2,571,645	2,571,645	2,571,645	2,571,645	2,571,645	2,571,645	2,571,645
2002	200,004	652,311	588,414	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493
2003	250,003	250,882	297,387	306,532	306,532	341,531	443,402	500,006	478,961	550,916	578,916	578,916	481,483	552,376	552,376	552,376	558,548	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224
2004	300,004	258,090	827,611	812,287	812,287	811,862	811,862	983,570	961,290	1,480,232	1,690,604	1,743,171	1,818,773	1,818,773	1,859,341	2,081,628	2,074,609	2,074,609	2,074,609	2,074,609	2,074,609	2,074,609	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997	2,045,997
2005	75,000	69,181	61,467	61,467	59,884	66,985	66,985	91,585	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2007	100,001	86,012	86,012	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750
2008	100,000	57,687	57,687	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787
2009	50,001	50,001	105,943	105,943	105,943	105,943	142,619	179,761	179,761	179,722	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657
2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2015	1	195,789	195,789	195,789	155,510	155,510	155,510	155,510	155,510	155,510	155,510	155,510	166,228	166,572	166,572	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284	173,284
2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2017	50,000	65,680	59,359	59,359	59,359	59,359	59,359	59,359	59,359	59,359	62,902	64,257	68,686	68,828	68,828	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602	71,602
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2020	1	121,700	121,700	121,700	61,158	61,158	61,158	63,894	63,894	66,988	70,985	72,516	77,513	77,674	77,674	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803	80,803
2021	1	32,000	75,000	75,000	75,000	21,658	22,325	23,323	23,323	24,452	25,912	26,470	28,294	28,353	28,353	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496	29,496
2022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2024	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2026	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Selection of Loss Development Factors

	Development Period in Months																																
RY	12 - 24	24 - 36	36 - 48	48 - 60	60 - 72	72 - 84	84 - 96	96 - 108	108 - 120	120 - 132	132 - 144	144 - 156	156 - 168	168 - 180	180 - 192	192 - 204	204 - 216	216 - 228	228 - 240	240 - 252	252 - 264	264 - 276	276 - 288	288 - 300	300 - 312	312 - 324	324 - 336	336 - 348	348 - 360	360 - 372	372 - 384	384 - 396	
1994																																	
1995	1.000	100000.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.067	1.000	1.000	0.805	1.291	1.096	0.885	0.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000		
1996	0.231	1.000	1.000	2.333	2.000	1.000	0.286			1.079	1.260	1.000	1.000	1.000	1.505	1.058	1.000	1.108	1.000	1.000	0.913	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000			
1997																																	
1998	1.062	2.451	1.173	0.998	1.460	1.000	0.738	0.814	0.872	1.015	1.047	0.920	1.000	0.988	1.000	1.000	1.000	1.000	1.000	1.000	1.110	1.000	0.940	1.000	1.000	1.000	1.000	1.000					
1999	1.296	1.021	1.047	1.220	1.484	0.939	1.042	1.065	1.069	0.948	1.000	1.024	1.000	0.943	1.013	1.000	1.038	1.019	1.027	1.000	0.984	1.124	1.000	1.075	1.000	1.063	1.000						
2000	1.233	1.102	1.084	1.024	0.995	1.027	1.130	1.024	1.287	1.052	0.990	1.196	0.991	0.995	1.055	1.008	1.048	0.981	0.979	1.077	1.000	1.000	1.000	1.097	0.991	0.958							
2001	3.124	1.409	0.819	0.968	0.921	1.106	1.072	1.008	1.075	1.122	0.974	1.015	1.008	0.938	1.160	0.988	1.074	1.060	1.008	1.087	1.090	1.030	1.027	1.012	1.010								
2002	3.261	0.902	0.742	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.549	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000									
2003	1.004	1.185	1.031	1.000	1.114	1.298	1.128	0.958	1.150	1.051	1.000	0.832	1.147	1.000	1.000	1.011	0.994	1.000	1.000	1.000	1.000	1.000	1.000										
2004	0.860	3.207	0.981	1.000	0.999	1.000	1.211	0.977	1.540	1.142	1.031	1.043	1.000	1.022	1.120	0.997	1.000	1.000	1.000	1.000	1.000	1.000	0.986										
2005	0.922	0.888	1.000	0.974	1.119	1.000	1.367	0.872	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000												
2006																																	
2007	0.860	1.000	0.485	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000														
2008	0.577	1.000	0.898	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000															
2009	1.000	2.119	1.000	1.000	1.000	1.346	1.260	1.000	1.000	1.022	1.000	1.000	1.000	1.000	1.000	1.000	1.000																
2010																																	
2011																																	
2012																																	
2013																																	
2014																																	
2015	195789.070	1.000	1.000	0.794	1.000	1.000	1.000	1.000	1.000	1.000	1.000																						
2016																																	
2017	1.314	0.904	1.000	1.000	1.000	1.000	1.000	1.000	1.000																								
2018																																	
2019																																	
2020	121700.000	1.000	1.000	0.503	1.000	1.000																											
2021	32000.000	2.344	1.000	1.000	0.289																												
2022																																	
2023																																	
2024																																	
2025																																	
VOL WTD 3	NA	NA	1.000	0.692	0.608	1.000	1.000	1.000	1.000	1.000	1.000	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.990	1.021	1.067	0.997	0.978	1.000	1.000	1.000	1.000	1.000		
VOL WTD 5	32000.000	1.280	1.000	0.692	0.727	1.000	1.000	1.000	1.000	1.000	1.000	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.038	1.004	1.007	1.063	0.998	0.978	1.000	1.000	1.000	1.000	1.000		
VOL WTD ALL	1.508	1.326	0.978	1.004	1.079	1.035	1.043	0.988	1.176	1.060	1.002	1.069	1.002	0.990	1.071	0.984	1.033	1.004	0.995	1.047	1.020	1.013	1.002	1.062	0.998	0.978	1.000	1.000	1.000	1.000	1.000		
ARITH 3	NA	NA	1.000	0.751	0.644	1.000	1.000	1.000	1.000	1.000	1.000	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.995	1.009	1.036	1.000	1.007	1.000	1.000	1.000	1.000	1.000		
ARITH 5	32000.000	1.672	1.000	0.751	0.763	1.000	1.000	1.000	1.000	1.000	1.000	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.018	1.003	1.005	1.037	1.000	1.005	1.000	1.000	1.000	1.000	1.000		
ARITH ALL	20559.224	5883.678	0.957	1.048	1.081	1.045	1.016	0.980	1.071	1.036	1.022	1.002	0.996	1.014	1.073	0.961	1.011	1.014	1.001	1.016	1.010	1.016	0.996	1.026	1.000	1.004	1.000	1.000	1.000	1.000	1.000		
5 YR HI LO	NA	NA	NA	NA	1.000	NA	NA	NA	NA	NA	NA	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.029	1.000	1.000	1.000	1.000	NA	NA	NA		
7 YR HI LO	NA	NA	1.000	1.000	1.000	1.000	NA	NA	NA	NA	NA	NA	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.019	1.000	1.006	1.000	1.022	1.000	1.000	1.000	1.000	NA	NA	NA		
ALL YR HI LO	10247.834	1.443	0.973	0.999	1.073	1.031	1.045	0.987	1.048	1.034	1.006	1.000	1.000	0.995	1.040	0.990	1.007	1.008	1.001	1.010	1.009	1.004	1.000	1.017	1.000	1.000	1.000	1.000	NA	NA	NA	Tail	
SELECTED	1.508	1.326	1.000	1.004	1.079	1.031	1.045	1.000	1.048	1.060	1.022	1.069	1.002	1.000	1.040	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Incurred Losses

	Development in Months																																		
RY	12	24	36	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240	252	264	276	288	300	312	324	336	348	360	372	384	396		
1994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1995	1	1	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	106,701	106,701	106,701	85,921	110,921	121,542	107,511	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826	106,826			
1996	65,000	15,001	15,001	15,001	35,001	70,001	70,001	20,000	-	50,001	53,940	67,940	67,940	67,940	67,940	102,248	108,206	108,206	119,916	119,916	119,916	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456	109,456				
1997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
1998	282,000	299,445	733,820	861,104	859,104	1,254,635	1,254,635	925,870	753,994	657,142	667,199	698,719	642,886	642,886	635,092	635,092	635,092	635,092	635,092	635,092	635,092	635,093	705,092	705,092	662,628	662,628	662,628	662,628	662,628	662,628	662,628				
1999	326,051	422,473	431,473	451,795	551,082	817,622	767,621	799,946	852,191	911,194	864,063	864,063	884,524	884,524	834,523	845,513	845,513	877,512	894,316	918,080	918,080	903,367	1,015,367	1,015,367	1,091,367	1,091,367	1,160,375	1,160,375							
2000	1,574,010	1,940,036	2,138,409	2,318,241	2,373,817	2,362,022	2,425,475	2,740,707	2,806,073	3,611,563	3,800,172	3,760,769	4,498,038	4,458,038	4,436,364	4,679,785	4,716,883	4,941,331	4,846,337	4,745,702	5,109,537	5,109,537	5,110,193	5,110,193	5,606,550	5,556,549	5,323,364								
2001	352,097	1,100,044	1,550,024	1,269,232	1,228,914	1,132,185	1,251,921	1,341,922	1,353,082	1,454,127	1,632,137	1,590,155	1,613,301	1,625,771	1,525,769	1,769,746	1,748,565	1,877,255	1,989,067	2,004,715	2,180,014	2,377,098	2,447,900	2,514,717	2,545,328	2,571,645									
2002	200,004	652,311	588,414	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	436,415	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493	239,493										
2003	250,003	250,882	297,387	306,532	306,532	341,531	443,402	500,006	478,961	550,916	578,916	578,916	481,483	552,376	552,376	552,376	558,548	555,224	555,224	555,224	555,224	555,224	555,224	555,224	555,224										
2004	300,004	258,090	827,611	812,287	812,287	811,862	811,862	983,570	961,290	1,480,232	1,690,604	1,743,171	1,818,773	1,818,773	1,859,341	2,081,628	2,074,609	2,074,609	2,074,609	2,074,609	2,074,609	2,074,609	2,045,997												
2005	75,000	69,181	61,467	61,467	59,884	66,985	66,985	91,585	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838	79,838													
2006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
2007	100,001	86,012	86,012	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750	41,750														
2008	100,000	57,687	57,687	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787	51,787																
2009	50,001	50,001	105,943	105,943	105,943	105,943	142,619	179,761	179,761	179,722	183,657	183,657	183,657	183,657	183,657	183,657	183,657	183,657																	
2010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																			
2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																				
2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-																					
2014	-	-	-	-	-	-	-	-	-	-	-	-	-																						
2015	1	195,789	195,789	195,789	155,510	155,510	155,510	155,510	155,510	155,510	155,510	155,510																							
2016	-	-	-	-	-	-	-	-	-	-	-																								
2017	50,000	65,680	59,359	59,359	59,359	59,359	59,359	59,359	59,359	59,359																									
2018	-	-	-	-	-	-	-	-	-																										
2019	-	-	-	-	-	-	-	-																											
2020	1	121,700	121,700	121,700	61,158	61,158	61,158																												
2021	1	32,000	75,000	75,000	75,000	21,658																													
2022	-	-	-	-	-																														
2023	-	-	-	-																															
2024	-	-	-																																
2025	-	-																																	
2026	-																																		

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Determination of Pure Premium

(1) RY	(2) PAID LDM ULTIMATE	(3) INC LDM ULTIMATE	(4) SELECTED ULTIMATE	(5) POTENTIAL SITES	(6) PURE PREMIUM
1994					
1995					
1996					
1997					
1998					
1999					
2000					
2001					
2002					
2003					
2004					
2005					
2006					
2007					
2008	51,787	51,787	51,787	2,055	25
2009	183,657	183,657	183,657	2,050	90
2010	-	-	-	2,045	-
2011	-	-	-	2,038	-
2012	-	-	-	2,036	-
2013	-	-	-	2,035	-
2014	-	-	-	2,034	-
2015	155,510	173,284	164,397	2,032	81
2016	-	-	-	2,032	-
2017	59,359	71,602	65,480	2,031	32
2018	-	-	-	2,030	-
2019	-	-	-	2,030	-
2020	61,158	80,803	70,981	2,029	35
2021	71,637	29,496	50,566	2,028	25
2022	-	-	-	2,028	-
2023	-	-	-	2,028	-
2024	-	-	-	2,028	-
2025	-	-	-	2,028	-
2026	-	-	-	2,028	-
TOTAL	583,108	590,628	586,868	38,645	15

Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Paid Bornhuetter-Ferguson Method

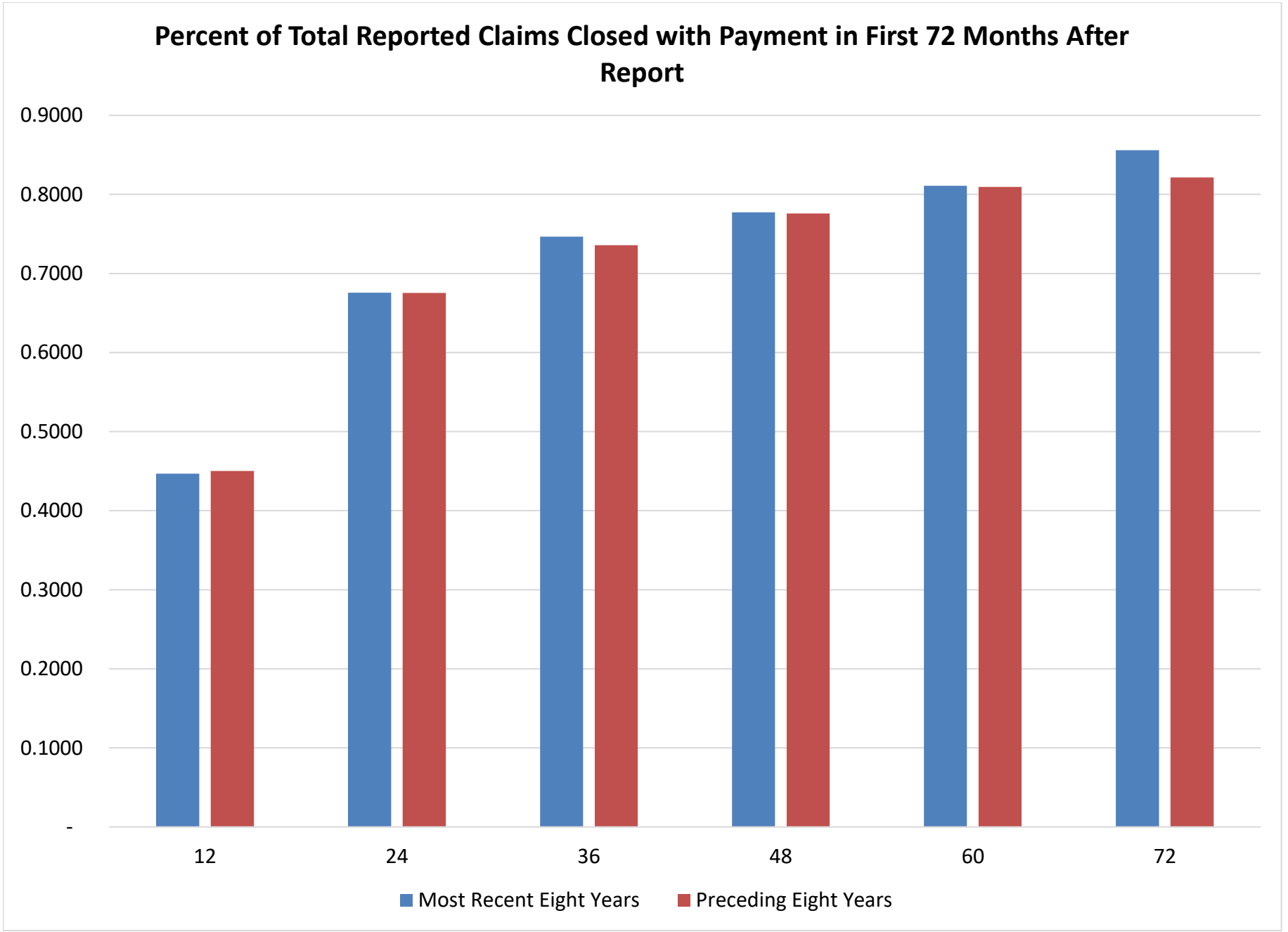
(1) RY	(2) POTENTIAL SITES	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT UNPAID	(8) EXPECTED UNPAID	(9) PAID LOSSES	(10) INDICATED ULTIMATE	(11) INCURRED LOSSES	(12) IBNR RESERVE	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	2,055	25	36	14	29,375	7.1%	2,085	51,787	53,871	51,787	2,085	-	26
2009	2,050	90	125	15	29,890	9.3%	2,795	183,657	186,451	183,657	2,795	-	91
2010	2,045	-	-	15	30,413	12.5%	3,800	-	3,800	-	3,800	-	2
2011	2,038	-	-	15	30,915	16.2%	5,010	-	5,010	-	5,010	-	2
2012	2,036	-	-	15	31,503	19.9%	6,276	-	6,276	-	6,276	-	3
2013	2,035	-	-	16	32,117	22.7%	7,303	-	7,303	-	7,303	-	4
2014	2,034	-	-	16	32,743	25.9%	8,490	-	8,490	-	8,490	-	4
2015	2,032	81	101	16	33,365	28.7%	9,579	155,510	165,089	155,510	9,579	-	81
2016	2,032	-	-	17	34,032	32.0%	10,892	-	10,892	-	10,892	-	5
2017	2,031	32	39	17	34,696	42.1%	14,615	59,359	73,974	59,359	14,615	-	36
2018	2,030	-	-	17	35,373	48.0%	16,977	-	16,977	-	16,977	-	8
2019	2,030	-	-	18	36,080	55.1%	19,886	-	19,886	-	19,886	-	10
2020	2,029	35	39	18	36,783	61.2%	22,517	61,158	83,676	61,158	22,517	-	41
2021	2,028	25	28	18	37,501	66.6%	24,970	23,938	48,907	21,658	27,250	(2,280)	24
2022	2,028	-	-	19	38,251	70.6%	26,989	-	26,989	-	26,989	-	13
2023	2,028	-	-	19	39,016	74.5%	29,085	-	29,085	-	29,085	-	14
2024	2,028	-	-	20	39,796	80.8%	32,164	-	32,164	-	32,164	-	16
2025	2,028	-	-	20	40,592	90.3%	36,639	-	36,639	-	36,639	-	18
2026	2,028	-	-	20	41,404	93.7%	38,775	-	38,775	-	38,775	-	19
TOTAL	38,645				663,844		318,845	535,409	854,254	533,129	321,125	(2,280)	22

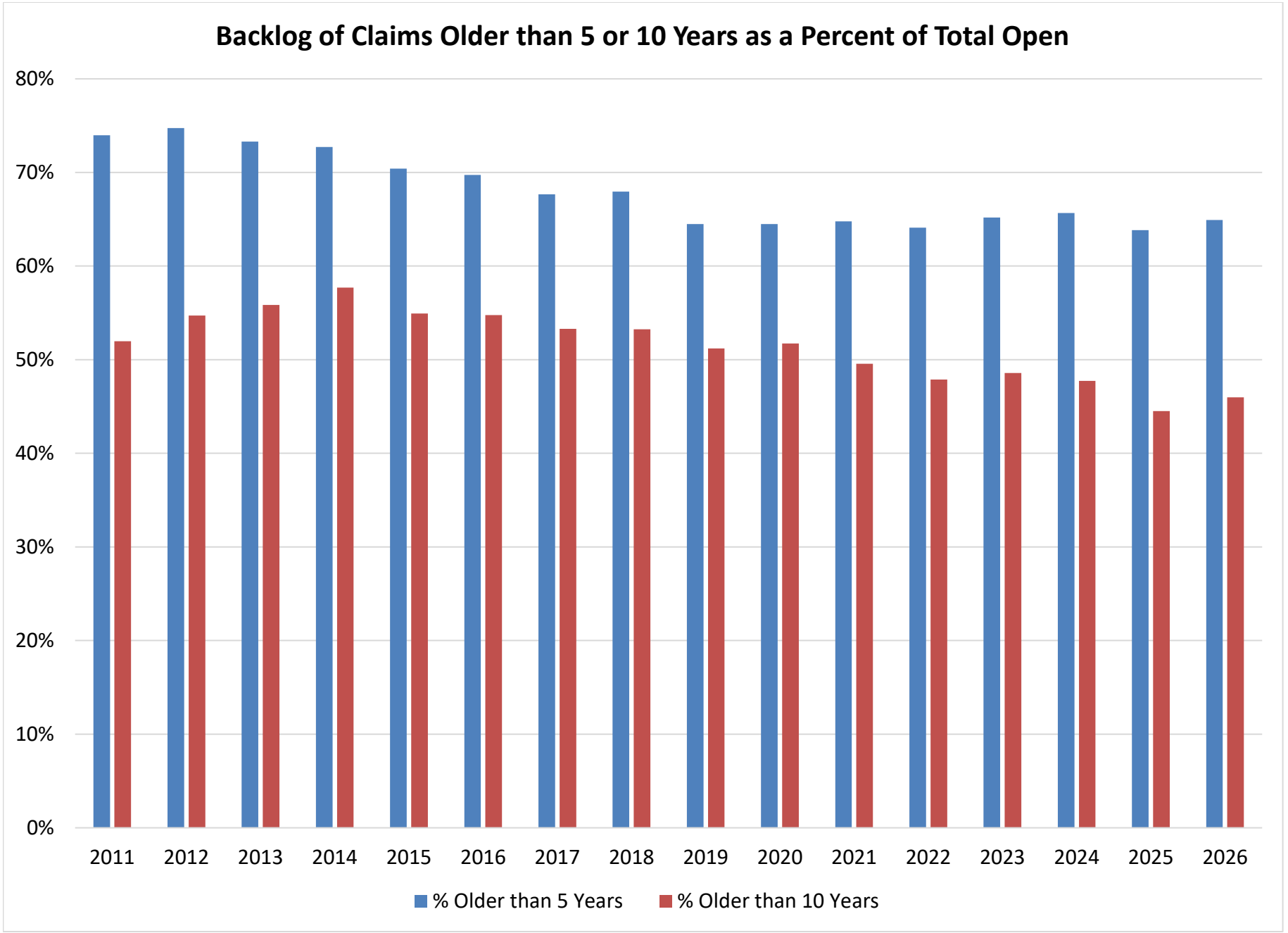
Pure Premium Selection		Trend =	1.020
3-Year Average x Latest	-		
5-Year Average x Latest	6		
All Year Average x Latest	20		
Selected Pure Premium	20		

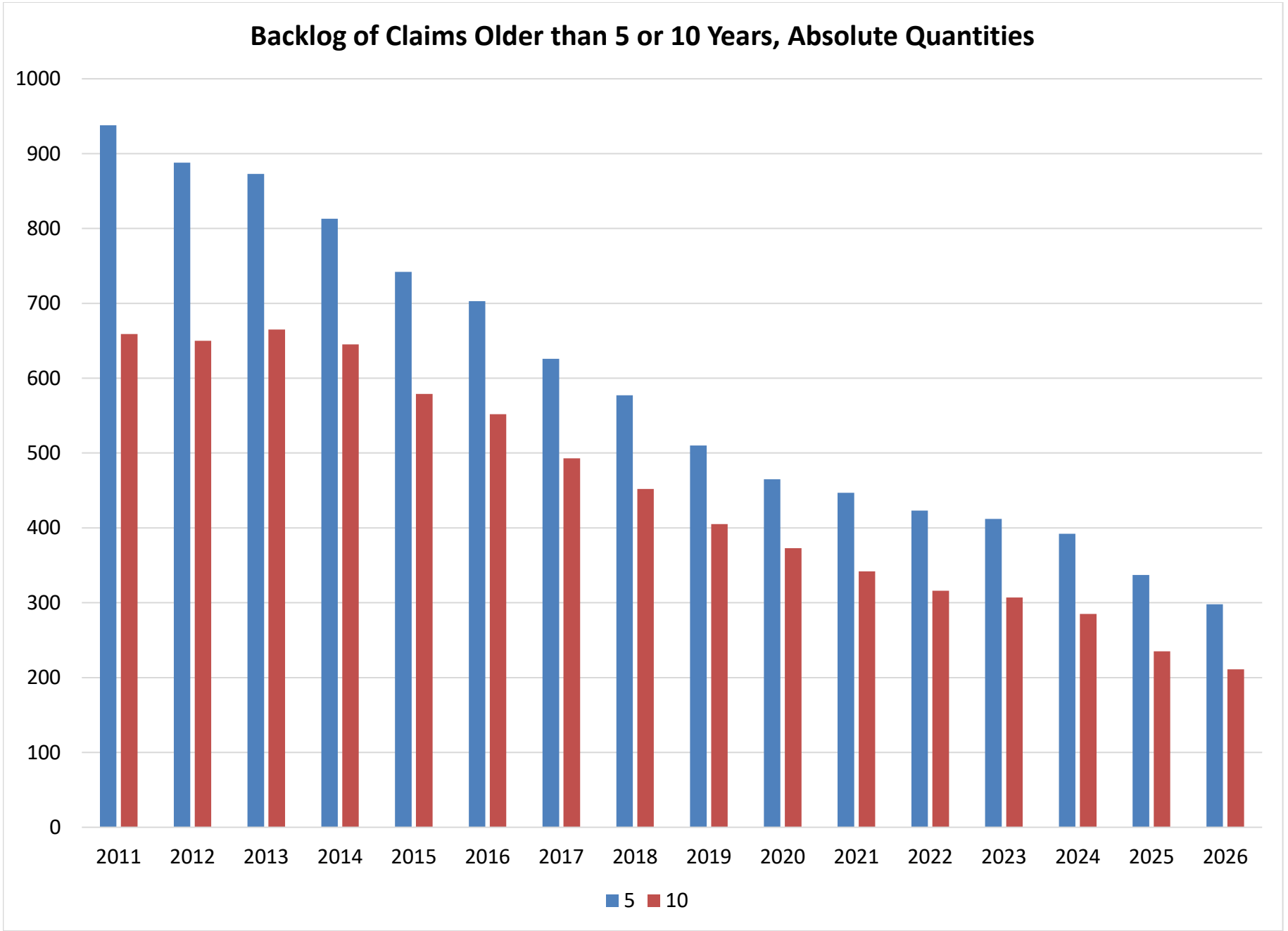
Missouri Petroleum Storage Tank Insurance Fund
Reserve Study as of June 30, 2026
Remedial AST
Incurred Bornhuetter-Ferguson Method

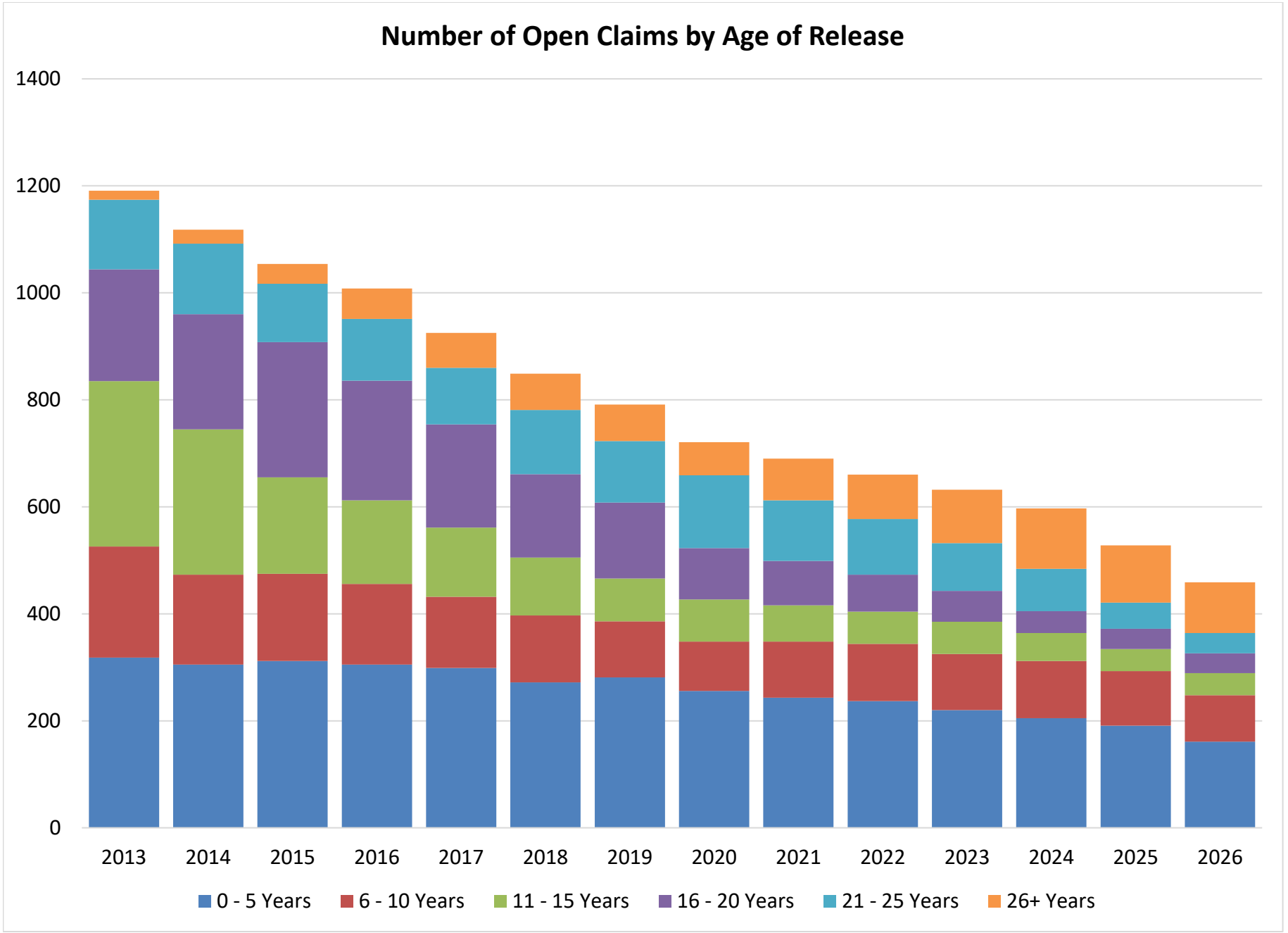
(1) RY	(2) POTENTIAL SITES	(3) PROJECTED PURE PREM	(4) TRENDED PURE PREM	(5) DETRENDED PURE PREM	(6) EXPECTED LOSSES	(7) PERCENT IBNR	(8) EXPECTED IBNR	(9) INCURRED LOSSES	(10) INDICATED ULTIMATE	(11) PAID LOSSES	(12) UNPAID LOSS	(13) CASE RESERVE	(14) ULTIMATE PURE PREM
1994													
1995													
1996													
1997													
1998													
1999													
2000													
2001													
2002													
2003													
2004													
2005													
2006													
2007													
2008	2,055	25	36	14	29,375	0.0%	-	51,787	51,787	51,787	-	-	25
2009	2,050	90	125	15	29,890	0.0%	-	183,657	183,657	183,657	-	-	90
2010	2,045	-	-	15	30,413	0.0%	-	-	-	-	-	-	-
2011	2,038	-	-	15	30,915	0.0%	-	-	-	-	-	-	-
2012	2,036	-	-	15	31,503	3.9%	1,220	-	1,220	-	1,220	-	1
2013	2,035	-	-	16	32,117	3.9%	1,244	-	1,244	-	1,244	-	1
2014	2,034	-	-	16	32,743	4.1%	1,333	-	1,333	-	1,333	-	1
2015	2,032	81	101	16	33,365	10.3%	3,422	155,510	158,933	155,510	3,422	-	78
2016	2,032	-	-	17	34,032	12.2%	4,135	-	4,135	-	4,135	-	2
2017	2,031	32	39	17	34,696	17.1%	5,932	59,359	65,291	59,359	5,932	-	32
2018	2,030	-	-	17	35,373	20.9%	7,402	-	7,402	-	7,402	-	4
2019	2,030	-	-	18	36,080	20.9%	7,550	-	7,550	-	7,550	-	4
2020	2,029	35	39	18	36,783	24.3%	8,943	61,158	70,101	61,158	8,943	-	35
2021	2,028	25	28	18	37,501	26.6%	9,965	21,658	31,623	23,938	7,685	(2,280)	16
2022	2,028	-	-	19	38,251	31.9%	12,217	-	12,217	-	12,217	-	6
2023	2,028	-	-	19	39,016	32.2%	12,571	-	12,571	-	12,571	-	6
2024	2,028	-	-	20	39,796	32.2%	12,823	-	12,823	-	12,823	-	6
2025	2,028	-	-	20	40,592	48.9%	19,837	-	19,837	-	19,837	-	10
2026	2,028	-	-	20	41,404	66.1%	27,366	-	27,366	-	27,366	-	13
TOTAL	38,645				663,844		135,962	533,129	669,091	535,409	133,682	(2,280)	17

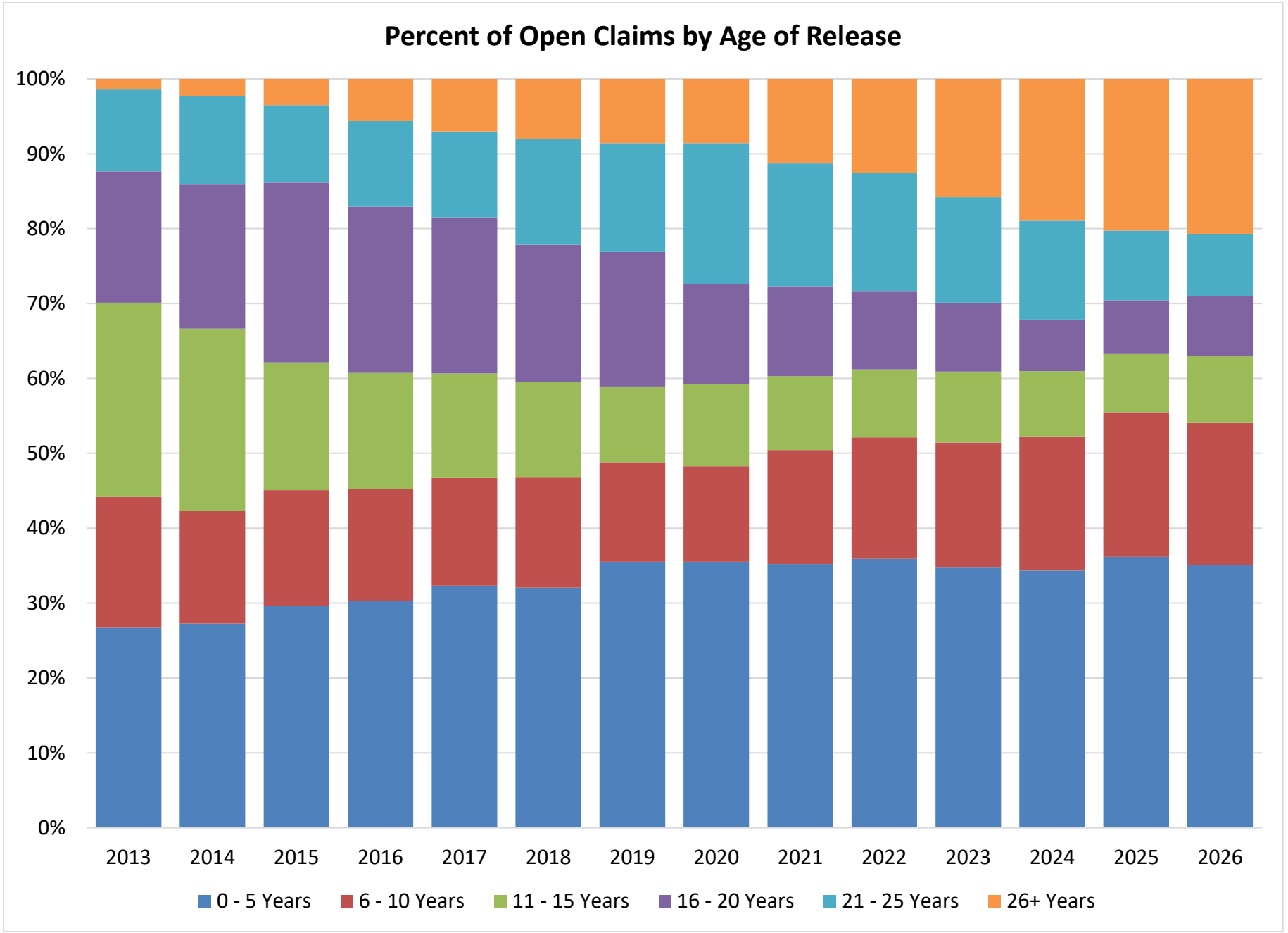
Pure Premium Selection		Trend =	1.020
3-Year Average x Latest	-		
5-Year Average x Latest	6		
All Year Average x Latest	20		
Selected Pure Premium	20		


Percent of Total Reported Claims Closed with Payment in First 72 Months After Report
0.9000
0.8000
0.7000
0.6000
0.5000
0.4000
0.3000
0.2000
0.1000
-
12
24
36
48
60
72
Most Recent Eight Years
Preceding Eight Years


Backlog of Claims Older than 5 or 10 Years as a Percent of Total Open
80%
70%
60%
50%
40%
30%
20%
10%
0%
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
% Older than 5 Years
% Older than 10 Years


Backlog of Claims Older than 5 or 10 Years, Absolute Quantities
1000
900
800
700
600
500
400
300
200
100
0
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
5
10


Number of Open Claims by Age of Release
1400
1200
1000
800
600
400
200
0
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
0 - 5 Years
6 - 10 Years
11 - 15 Years
16 - 20 Years
21 - 25 Years
26+ Years


Percent of Open Claims by Age of Release
100%
90%
80%
70%
60%
50%
40%
30%
20%
10%
0%
2013
2014
2015
2016
2017
2018
2019
2020
2021
2022
2023
2024
2025
2026
0 - 5 Years
6 - 10 Years
11 - 15 Years
16 - 20 Years
21 - 25 Years
26+ Years