Page 1

| Risk Score Report - As of December 31, 202 | 23 | | | R | isk Sta | tus |
|---|---|---|---|---|--|---|
| hrive by taking risks, but falter when risks are not managed effectively. | | | ions or | ver | y high | 41-50 |
| | | - | | high | n | 31-40 |
| s are taken to mitigate risk, does exist. | | | me | dium | 21-30 | |
| Report identifies the inherent risks and residual risks in each of the risk | low | | 11-20 | | | |
| alSTRS and any corresponding changes since the last reporting period, June | ver | y low | 1-10 | | | |
| Goal 1: Trusted stewards (G1: TS) | IISN. | A, B, C, D, | E | | Avoid | |
| Goal 2: Leading innovation and managing change (G2: LI) | ategic | | E, F | Risk | Reduce | |
| Goal 3: Sustainable organization (G3: S0) Obj | ectives | A, B, C, D | | Responses | Share Accept | |
| Denoise Francis de la rectue cota | | | Inherent | Inherent | Residual | |
| Pension Funding - Investments | | | RISK Score | Period Change | Score | Period Change |
| ance objectives not achieved as set in the Investment Policy and | Managen | nent Plan. | 25 | 1 2 | 19 | 1 |
| | nrive by taking risks, but falter when risks are not managed effectively. Ently present in the work we do at CalSTRS, which is why we implement is, to mitigate these inherent risks. However, the possibility of residual risk, are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the risk alSTRS and any corresponding changes since the last reporting period, June Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: SO) Pension Funding - Investments | Risk wit controls in the work we do at CalSTRS, which is why we implement so, to mitigate these inherent risks. However, the possibility of residual risk, are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the risk alSTRS and any corresponding changes since the last reporting period, June implement controls risk. Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: SO) Pension Funding - Investments | Inherent Risk Risk without any act controls in place to r likelihood or impact. Report identifies the inherent risks and residual risks are not managed effectively. Residual Risk Risk remaining after implementing action controls to remove or risk. Goal 1: Trusted stewards (G1: TS) Goal 3: Sustainable organization (G3: SO) Strategic A, B, C, D, A, B, C, D, A, B, C, D, A, B, C, D Objectives | Inherent Risk Prive by taking risks, but falter when risks are not managed effectively. Interest the work we do at CalSTRS, which is why we implement is, to mitigate these inherent risks. However, the possibility of residual risk, are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the risk alSTRS and any corresponding changes since the last reporting period, June Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: SO) Pension Funding - Investments Inherent Risk Risk without any actions or controls in place to reduce likelihood or impact. Residual Risk Risk remaining after implementing actions and controls to remove or manage risk. A, B, C, D, E A, B, C, D, E, F A, B, C, D Inherent Risk Risk without any actions or controls in place to reduce likelihood or impact. Residual Risk Risk remaining after implementing actions and controls to remove or manage risk. Strategic Objectives Inherent Risk Risk without any actions or controls in place to reduce likelihood or impact. Residual Risk Risk mithout any actions or controls in place to reduce likelihood or impact. Residual Risk Risk remaining after implementing actions and controls to remove or manage risk. A, B, C, D, E A, B, C, D, E A, B, C, D Inherent Risk Score | Inherent Risk ently present in the work we do at CalSTRS, which is why we implement s, to mitigate these inherent risks. However, the possibility of residual risk, are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the risk alSTRS and any corresponding changes since the last reporting period, June alSTRS and any corresponding changes since the last reporting period, June Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: SO) Pension Funding - Investments Inherent Risk Risk without any actions or controls in place to reduce likelihood or impact. Residual Risk Risk remaining after implementing actions and controls to remove or manage risk. Strategic Objectives A, B, C, D, E A, B, C, D, E Risk Responses | Inherent Risk ently present in the work we do at CalSTRS, which is why we implement s, to mitigate these inherent risks. However, the possibility of residual risk, are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the risk alSTRS and any corresponding changes since the last reporting period, June Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: SO) Residual Risk Risk without any actions or controls in place to reduce likelihood or impact. Residual Risk Risk remaining after implementing actions and controls to remove or manage risk. Strategic Objectives A, B, C, D, E A, B, C, D, E, F A, B, C, D, E, F A, B, C, D Responses Share Accept Pension Funding - Investments Risk Score Residual Risk Score Change Residual Risk Score |

The overall inherent risk score for the category increased by two points to 25, which is in alignment with the medium-risk range (orange band) of the heat map. In addition, the overall residual risk score increased by 1 point to 19, which is in alignment with the low-risk range (yellow band) of the heat map. These increases are a direct correlation to market volatility observed during the first quarters of fiscal year 2023/24. Investments also re-weighted the risks slightly to increase the risk that CalSTRS will not be able to add value above the total fund benchmarks.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--|--|-------------------|------------------------|------------------|---------------------------|------------------------------|---------------------------|------------------------------|
| A | 30% | The fund will not achieve the actuarially expected return over the long term (30 years/absolute return), which may prevent CalSTRS from reaching full funding by 2046. | G1: TS | A, B, C | Reduce | 20 | No Change | 16 | No Change |
| В | 45% | CalSTRS will not be able to implement strategies and tools necessary to manage risk associated with a more complex and volatile investment environment, which may hinder Investments Branch ability to capitalize on value added investment opportunities. | G1: TS | A, B, C, D | Reduce | 32 | No Change | 24 | No Change |
| С | 25% | The fund will not add value above the total fund benchmarks return over the long term (Relative return), which may create stakeholder uncertainty in CalSTRS ability to effectively manage risk and implement investment strategies. | G1: TS | A, B, C | Reduce | 20 | ^ 8 | 15 | ^ 6 |
| 2 | Pension Funding - Actuarial | | | | | Inherent Risk Score | Inherent Period Change | Residual Risk Score | Residual Period Change |
| Actuari | ctuarial methodologies and assumptions vary from experience. | | | | | 22 | No Change | 17 | 4 -3 |

The overall residual risk score for this category decreased by three points to 17, which is in alignment with the low-risk range (yellow band) of the heat map. The reason for this move downward is due to the fact that Actuary has reaffirmed their key economic assumptions regarding inflation as part of the ALM process. The 2023 review of funding levels and risks report was presented to the board in November 2023. The report found that while current contributions are still expected to be sufficient to reach full funding, significant risk remains due to investment volatility, projected declines in K-12 enrollment possibly putting pressure on the number of California educators, and the continued maturation of the Defined Benefit program. The 2023 valuation will use the new actuarial assumptions that was adopted by the board in January 2024 as part of the experience study in the gain/loss analysis. The valuation is on schedule to be presented to the board in May 2024.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--------|--|-------------------|------------------------|------------------|----|-----------|----|-------------|
| А | | Over the long-term actual experience significantly differs negatively from actuarial assumptions, which could result in the inability to achieve full funding by 2046. | G1: TS | А | Reduce | 24 | No Change | 20 | 4 -4 |
| В | 10% | There is a risk that actuarial assumptions negatively differ from actuarial experience, caused by incorrect information underlying the actuarial assumptions, which could result in the inability to achieve full funding. | G1: TS | А | Reduce | 18 | No Change | 9 | No Change |
| С | 10% | Inappropriate measures of actuarial obligations and costs, caused by invalid actuarial methodologies, could result in the inability to achieve full funding by 2046. | G1: TS | А | Reduce | 9 | No Change | 6 | No Change |

| | Risk Score Report - As of December 31, 2023 | | | | | | | us |
|-------------------|--|---------|---|-------------------------------|------------------|--------------------|------------------|--------------------|
| • | hrive by taking risks, but falter when risks are not managed effectively ently present in the work we do at CalSTRS, which is why we implemen | у. | Inherent Risk with | : Risk nout any act | ions or | ver | y high | 41-50 |
| internal control | s, to mitigate these inherent risks. However, the possibility of residual | l risk. | controls in place to reduce likelihood or impact. | | | high | | 31-40 |
| after all actions | are taken to mitigate risk, does exist. | _ | Residual Risk | | | me | dium | 21-30 |
| | Report identifies the inherent risks and residual risks in each of the rial STRS and any corresponding changes since the last reporting period | low | , | 11-20 | | | | |
| 30, 2023. | district and any corresponding changes since the last reporting period | , | - | enting actior to remove o | | ver | y low | 1-10 |
| | Goal 1: Trusted stewards (G1: TS) | | | A, B, C, D, | E | | Avoid | |
| Strategic | Goal 2: Leading innovation and managing change (G2: LI) | Strat | egic | A, B, C, D, | E, F | Risk | Reduce | |
| Goals | Goal 3: Sustainable organization (G3: S0) | Objec | tives | A, B, C, D | | Responses | Share Accept | |
| | | | | | | | | |
| 3 | Pension Funding - Contribution Rate | | | | Inherent Risk | Inherent Period | Residual Risk | Residual Period |
| | | | | | Score | Change | Score | Change |
| Insufficient co | ontribution rates to amortize unfunded actuarial obligation. | | | | 20 | No Change | 15 | No Change |
| | sidual risk score for this category remains at 15 and in alignmen | | | | | | | |

The overall residual risk score for this category remains at 15 and in alignment with the low-risk range (yellow band) of the heat map. The 2023 review of funding levels and risks report was presented to the board in November 2023. The report found that while current contributions are still expected to be sufficient to reach full funding, significant risk remains due to investment volatility, projected declines in K-12 enrollment possibly putting pressure on the number of California educators, and the continued maturation of the Defined Benefit program.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|--|--------------------------|---|-------------------|------------------------|------------------------|---------------------------|------------------------|---------------------------|-----------|
| А | 70% | The board's limited authority to change contribution rates per AB 1469 could result in insufficient contributions to reach full funding by 2046. | G1: TS | А | Reduce | 24 | No Change | 20 | No Change |
| В | 30% | Failure of the board to exercise their authority to adequately fund the Defined Benefit Program to its fullest extent could result in insufficient contributions to reach full funding by 2046. | G1: TS | A, D | Reduce | 12 | No Change | 6 | No Change |
| | 4 Pension Administration | | | | Inherent Risk Score | Inherent Period Change | Residual Risk Score | Residual Period Change | |
| Untimely or inaccurate delivery of benefits and services due to inadequate or failure of processes, technology systems, staff actions or data. | | | | ocesses, | 35 | No Change | 25 | No Change | |

The overall residual risk score for this category remains at 25 and in alignment with the medium-risk range (orange band) of the heat map. The START Team made changes to the START system to comply with new and existing legislative mandates including the Annual Update/Retirement Progress Report (RPR) process for school year 2022/2023 and implementation of additional changes for AB 1667 legislation (Enhancement Request 1747). Audit Services performed 200 employer audits since June 30, 2023, meeting their target range of 180-220. The Pension Solution project solicited feedback from employer partners about the timing of New File Formats (NFF) and the potential changes to it from the Creditable Compensation Simplification proposal. The project will finalize a project decision in FY23/24 and communicate to employers that CalSTRS will maintain the old file format at go-live. The FSB Quality Assurance team has replicated the special compensation analysis through March 2023. The current analysis confirmed the positive trend towards proper classification of compensation by employers.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--------|---|-------------------|------------------------|------------------|----|-----------|----|-----------|
| A | 30% | CalSTRS is unable to ensure accurate and timely benefits due to the aged pension administration system's (START) failure to pay benefits timely. | G2: LI | A, C | Reduce | 45 | No Change | 32 | No Change |
| В | 30% | During the transition period, the loss of mainframe knowledgeable staff may result in the inability to continuously maintain START and properly service members until the new pension administration system is fully operational. | G2: LI | А | Reduce | 45 | No Change | 32 | No Change |
| С | 20% | Inability to deliver timely benefits and services due to incomplete, inaccurate and late employer reporting. | G2: LI | А | Reduce | 21 | No Change | 15 | No Change |
| D | 20% | Inaccurate benefit payments caused by current system limitations, manual processes and unknown system defects. | G2: LI | А | Reduce | 24 | No Change | 16 | No Change |

Change Score Change

38

No Change

Score

49

No Change

| | Risk Score Report - As of December 31 | L. 2023 | 3 | | | R | isk Stat | us Page |
|-----------------------------|--|-----------------------------|------------|--|---------------------------|------------------------------|---------------------------|------------------------------|
| risks are inhenternal contr | thrive by taking risks, but falter when risks are not managed effective erently present in the work we do at CalSTRS, which is why we impler ols, to mitigate these inherent risks. However, the possibility of resid has are taken to mitigate risk, does exist. | ment Risk without any actio | | | reduce | ve | ery high gh | 41-50 31-40 |
| his Risk Sco | re Report identifies the inherent risks and residual risks in each of the | e risk | | aining afte | | m lo | edium w | 21-30 11-20 |
| ategories at 0, 2023. | CalSTRS and any corresponding changes since the last reporting per | , | - | nting actior to remove c | | | ery low | 1-10 |
| Strategic Goals | Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: S0) | Strat Objec | | A, B, C, D, A, B, C, D, A, B, C, D | | Risk Responses | Avoid Reduce Share Accept | |
| 5 | Financial Reporting | | | | Inherent Risk Score | Inherent Period Change | Residual Risk Score | Residual Period Change |
| | sk of a material misstatement of the financial statements ar ecepted Accounting Principles caused by failures of internal o | - | riation fr | om US | 20 | No Change | 8 | No Chan |
| e unmodif e board as | residual risk score for this category remains at 8 and in alignmented opinion given by the external auditors over the 2022-2023 a result of the audit. The risk statement for this category has | financial | stateme | ents. They include US Risk | also did not | t report any fin | dings to ma | nagement o |
| A 1009 | Information received from subsidiary systems is recorded incorrectly in the general ledger, which could result in the financial statements being materially misstated and the external auditors issuing a modified opinion. | G2: LI | A, C | Reduce | 20 | No Change | 8 | No Chang |
| 6 | Information Security | | | | Inherent Risk | Inherent Period | Residual Risk | Residual Period |

The overall residual risk score for this category remains at 38 and in alignment with the high-risk range (red band) of the heat map. Security remains the highest residual score in our risk matrix, signifying the real and credible threat of the highly volatile cyber security landscape. CalSTRS renewed their Cyber insurance in July 2023. To highlight some of the mitigation efforts conducted by CalSTRS, ISO has deployed increasingly more difficult phishing exercises in response to the results of past exercises. ISO is also evaluating cyber-fraud tools and artificial intelligence to address emerging risks. ISO has finalized recruitment of a cyber-fraud specialist to assist with the program activities. The independent cyber security assessment was completed in December 2023, and the final auditors report will be presented in March 2024.

Loss of information security or compliance violations as a result of unauthorized or unintentional

breaches.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--------|---|-------------------|------------------------|------------------|----|-----------|----|-----------|
| А | 88% | A highly volatile cyber-risk landscape and a limited number of staff could result in an information security breach or incident at CalSTRS. | G3: S0 | D | Reduce | 50 | No Change | 40 | No Change |
| В | | The absence of proper Information Security Program management and oversight could result in an information security breach or incident at CaISTRS. | G3: S0 | D | Reduce | 36 | No Change | 24 | No Change |
| C | 4% | A lack of employee security awareness could result in an information security breach or incident at CalSTRS. | G3: S0 | D | Reduce | 40 | No Change | 24 | No Change |
| D | 4% | A highly volatile cyber-risk landscape and insufficient resources could result in increased cyber-fraud risk as it relates to a security breach or incident at CalSTRS. | G3: S0 | D | Reduce | 40 | No Change | 27 | No Change |

| | Risk Score Report - As of December 31 | Risk Status | | | | | |
|--|---|-------------------------|--|-----------------------|-------------------|---------------------------|----------------------------------|
| Risks are inher internal control after all actions This Risk Score | hrive by taking risks, but falter when risks are not managed effectivently present in the work we do at CalSTRS, which is why we impleis, to mitigate these inherent risks. However, the possibility of residence are taken to mitigate risk, does exist. Report identifies the inherent risks and residual risks in each of the alSTRS and any corresponding changes since the last reporting per | riod, June impler | nt Risk ithout any act is in place to r bod or impact ial Risk emaining after nenting action | reduce r ns and | high | n | 41-50 31-40 21-30 11-20 |
| 30, 2023. | | contro risk. | s to remove o | r manage | very | / low | 1-10 |
| Strategic Goals | Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: S0) | Strategic Objectives | A, B, C, D, A, B, C, D, A, B, C, D | | Risk Responses | Avoid Reduce Share Accept | |
| | | | | Inherent | Inherent | Residual | Residual |

| 7 Opera | ational | Inherent Risk Score | Inherent Period Change | Residual Risk Score | Residual Period Change |
|---|--|---------------------------|------------------------------|---------------------------|------------------------------|
| Inability to achieve business objectives du accessibility to technology systems, or los | e to lack of compliance with internal controls, lack of s of critical staff knowledge. | 32 | No Change | 19 | No Change |

The overall residual risk score for this category remains at 19 and in alignment with the low-risk range (yellow band) of the heat map. The Business Continuity Team is in the process of migrating all eligible on-premise, and vendor hosted applications to the CalSTRS AWS Cloud solution with a target date of December 2025. Mission critical rosters were verified and updated during Q2, which aids in business continuity, succession planning and general workforce strategy. The established Knowledge Transfer program has been archived and the new self-service program has been built and is accessible upon request. CalSTRS continues to engage with DEI consultants to measure efforts within the organization against Global DEI Benchmarks. The HQ Expansion project target completion date has been moved to Q3 2023/24.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--------|---|-------------------|------------------------|------------------|----|-----------|----|------------|
| A | 30% | In the event of a disaster, and/or full or partial disruption to the CalSTRS datacenter, CalSTRS may not be able to provide mission critical business processes to our members due to inaccessibility to technology systems. | G3: S0 | A, D | Reduce | 36 | No Change | 24 | No Change |
| В | 15% | There is a risk that the transition to a blended working model may result in disruptions to operational, enterprise initiatives, and business goals due to a potential adverse shift in CalSTRS' culture caused by changes to how we communicate and collaborate. | G2: LI G3: S0 | D A, D | Reduce | 36 | No Change | 15 | No Change |
| С | 15% | CalSTRS lacks the ability to meet critical business functions due to recruitment challenges. | G3: S0 | A | Reduce | 28 | No Change | 15 | No Change |
| D | 10% | CalSTRS is unable to meet critical business functions or maintain service levels due to potential loss of subject matter experts and lack of CalSTRS knowledge transfer. | G3: S0 | А | Reduce | 32 | No Change | 21 | No Change |
| E | 15% | Staff and leadership turnover could result in loss of long-term business stability and sustainability. | G3: S0 | A | Reduce | 24 | No Change | 18 | No Change |
| F | 5% | CalSTRS may fail to identify risks caused by staff not being fully engaged for various reasons including competing priorities, which could result in CalSTRS being unprepared for future risks. | G1: TS | E | Reduce | 36 | No Change | 15 | No Change |
| G | 5% | CalSTRS may not establish or maintain the proper health and safety strategies, measures, training, etc., resulting in compromised employee health and safety. | G3: S0 | А | Reduce | 32 | No Change | 21 | No Change |
| Н | 5% | CalSTRS is unable to complete the Headquarters Expansion Project within the established scope, schedule and budget due to delays with construction (i.e. inspections, approvals or materials) and the additional costs/timeframes associated with those delays. | G3: S0 | С | Reduce | 24 | No Change | 18 | 1 3 |

| | Risk Score Report - As of December 31 | Risk Status | | | | | | |
|-------------------|---|---------------|---|-------------------------------|--------------|----------------|------------|----------|
| | hrive by taking risks, but falter when risks are not managed effectivently present in the work we do at CalSTRS, which is why we implen | ∕eiy. Ri | Inherent Risk Risk without any actions or controls in place to reduce likelihood or impact. | | | very | / high | 41-50 |
| internal control | s, to mitigate these inherent risks. However, the possibility of resid | ual risk. | | | | high | n ; | 31-40 |
| after all actions | are taken to mitigate risk, does exist. | Residual Risk | | | med | dium : | 21-30 | |
| | Report identifies the inherent risks and residual risks in each of the alSTRS and any corresponding changes since the last reporting periods. | | | naining afte enting action | | low | | 11-20 |
| 30, 2023. | | • | ontrols | to remove o | | very | / low | 1-10 |
| | Goal 1: Trusted stewards (G1: TS) | | <u></u> | A, B, C, D, | E | | Avoid | |
| Strategic | Goal 2: Leading innovation and managing change (G2: LI) | Strate | gic | A, B, C, D, | Risk | | Reduce | |
| Goals | Goal 3: Sustainable organization (G3: S0) | Objecti | ves | A, B, C, D | | Responses | Share | |
| | | • | | | | • | Accept | |
| | | | | | Inherent | Inherent | Residual | Residual |
| 8 | Reputational | | | | Risk | Period | Risk | Period |
| | | | | | Score | Change | Score | Change |
| Loss of confid | dence in CalSTRS as a respected fiduciary of public funds. | 32 | No Change | 22 | No Change | | | |
| The overall re | sidual risk score for this category remains at 22 and is in alig | inment with | the m | adium ris | k range (ora | nge hand) of t | he heat ma | n The |

The overall residual risk score for this category remains at 22 and is in alignment with the medium risk range (orange band) of the heat map. The activities encompassing this risk category are being actively performed by our staff. The enterprise-wide initiatives are continuing to progress towards completion. For example, Pension Solution now has a launch date of fall 2025 after the signing of a new contract with Sagitec and the acquisition of additional project management resources. In addition, CalSTRS continues to market 100 Waterfront to potential tenants upon the completion of the HQE project.

| project. | | | | | | | | | |
|----------|--------|--|-------------------|------------------------|------------------|----|-----------|----|-----------|
| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
| A | 25% | A board or staff member engages in unethical behavior resulting in reputational damage. | G3: S0 | D, E | Avoid | 28 | No Change | 24 | No Change |
| В | 30% | CalSTRS is unable to implement transformational efforts, which could impact stakeholders, members, staff and public confidence. | G2: LI | А | Reduce | 40 | No Change | 24 | No Change |
| С | 20% | Investments may be perceived as conducting business in an imprudent and unethical manner due to CalSTRS inability to transform the financial markets to fully integrate sustainability considerations. | G1: TS G2: LI | A, B, D A | Reduce | 30 | No Change | 24 | No Change |
| D | 15% | There is a risk that CalSTRS may need to correct inaccurate reporting of business and financial information which may result in a loss of public trust and harm to our reputation. | G1: TS G2: LI | A, B, D | Reduce | 30 | No Change | 16 | No Change |
| E | 10% | CalSTRS is unable to meet member service expectations due to resource constraints resulting from competing priorities. | G2: LI | А | Reduce | 21 | No Change | 12 | No Change |

| Risk Score Report - As of December 31, 2023 | | | | | | | Risk Status | | | |
|--|---|---|--|-------|--|------------------------|-------------|----------|-------------|--|
| Organizations thrive by taking risks, but falter when risks are not managed effectively. | | | | | Inherent Risk Risk without any actions or | | | / high | 41-50 | |
| internal control | s, to mitigate these inherent risks. However, the possibility of residu | controls in place to reduce likelihood or impact. | | | high | | 1 : | 31-40 | | |
| after all actions are taken to mitigate risk, does exist. | | | Residual Risk | | | | medium | | 21-30 | |
| This Risk Score Report identifies the inherent risks and residual risks in each of the risk Risk remaining after categories at CalSTRS and any corresponding changes since the last reporting period, June implementing actions and | | | | | | | low | | 11-20 | |
| 30, 2023. controls to remove or manage | | | | | | very low | | / low | 1-10 | |
| | Goal 1: Trusted stewards (G1: TS) A, B, C, D, E | | | Avoid | | | | | | |
| Strategic | Goal 2: Leading innovation and managing change (G2: LI) | Stra | bjectives A, B, C, D, E, F A, B, C, D | | | Risk Reduce | | | | |
| Goals | Goal 3: Sustainable organization (G3: S0) | Obje | | | | Responses Share Accept | | | | |
| | | | | | | | | | | |
| | | | | | Inherent | Inh | erent | Residual | Residual | |
| 9 | Transformational Change | | | | Risk | Pe | riod | Risk | Period | |
| | | | | | Score | Cha | ange | Score | Change | |
| CalSTRS is ur | nable to accomplish major transformational change initiative | es. | | | 36 | ψ - | -3 | 28 | 4 -5 | |

The overall inherent risk score for the category decreased by three points to 36, which is in alignment with the high-risk range (red band) of the heat map. In addition, the overall residual risk score decreased by 5 points to 28, which is in alignment with the medium-risk range (orange band) of the heat map. The risk category changed largely due to the newly agreed upon project schedule for the pension administration system and the new contract signed with Sagitec. The team is strengthened by the filling of much needed positions for the on-schedule Go-Live of Fall 2025. These factors drove decreases in inherent and residual probability scores across four of our six sub-risks.

| Sub-Risk | Weight | Sub-Risk Statement | Strategic Goal | Strategic Objective | Risk Response | | | | |
|----------|--------|---|-------------------|------------------------|------------------|----|-------------|----|-------------|
| А | 40% | CalSTRS is unable to successfully implement a new pension administration system and transform the associated data and business processes within the established scope, schedule and budget due to ongoing delays. | G2: LI | А | Reduce | 45 | No Change | 36 | J -5 |
| В | 15% | There is a risk that vendors could experience staffing issues which may result in schedule delays or cost increases to the Pension Solution project. | G2: LI | А | Reduce | 32 | J -4 | 28 | J -4 |
| С | 15% | Loss of CalSTRS subject matter experts and challenges associated with replacing them may result in the inability to successfully implement Pension Solution. | G2: LI | А | Reduce | 32 | J -4 | 18 | J -3 |
| D | 20% | The procured vendor does not follow the agreed upon project-related processes to provide the results and functionality necessary to meet CalSTRS' business needs. | G2: LI | А | Reduce | 32 | J -9 | 27 | 4 -9 |
| E | 5% | Lack of cohesive project governance and communication practices within business areas could result in uninformed decision-making on transformational efforts. | G2: LI | A | Reduce | 24 | No Change | 21 | No Change |
| F | 5% | Inability of the Pension Solution Project to achieve desired results due to lack of readiness to the transformed business processes. | G2: LI | A, C, F | Reduce | 28 | No Change | 15 | No Change |

| | Risk Score Report - As of December 31 | L, 202 | 3 | | | R | isk Stat | us |
|--|---|-----------------------------|---|---|---------------------------|------------------------------|---------------------------|------------------------------|
| Organizations thrive by taking risks, but falter when risks are not managed effectively. Risks are inherently present in the work we do at CalSTRS, which is why we implemen internal controls, to mitigate these inherent risks. However, the possibility of residual after all actions are taken to mitigate risk, does exist. This Risk Score Report identifies the inherent risks and residual risks in each of the risk categories at CalSTRS and any corresponding changes since the last reporting period, | | | Inherent Risk Risk without any actions or controls in place to reduce | | | ver hig | | 1-50 31-40 |
| | | | Residual Risk Risk remaining after implementing actions and | | | dium | 21-30 11-20 | |
| 30, 2023. | | controls to remove risk. | | | r manage | ver | y low | L-10 |
| Strategic Goals | Goal 1: Trusted stewards (G1: TS) Goal 2: Leading innovation and managing change (G2: LI) Goal 3: Sustainable organization (G3: S0) | | tegic ctives | A, B, C, D, E A, B, C, D, E, F A, B, C, D | | Risk Responses | Avoid Reduce Share Accept | |
| 10 | Third Parties | | | | Inherent Risk Score | Inherent Period Change | Residual Risk Score | Residual Period Change |
| | ure to appropriately manage risks associated with third part disruption, financial loss, reputational damage, compliance gic goals. | | | ıre to | 32 | No Change | 21 | No Chang |
| hird Party Ri L1/6/23 and | esidual risk score remains at 21, which is in alignment with the sk Management framework has resulted in the completion of a passed the Labor Union approval process on 12/14/23. The ne Third Party Risk Management framework and related tools. | f the Thir e policy h | d Party R | isk Manag | ement Polic | cy which was s | igned by th | e CEO on |
| Sub-Risk Weight A 94% | An absence of third-party risk management program governance could result in duplication of efforts or assurance gaps which could result in | Strategic Goal G1: TS | Strategic Objective E | | 32 | No Change | 21 | No Change |

G2: LI

G1: TS

G2: LI

6%

operational disruption, financial loss, reputational damage, compliance

There is a risk that CalSTRS does not perform adequate due diligence of

third parties prior to awarding a contract which could result in failure to

identify risks involved in outsourcing a specific service(s).

violations or failure to reach strategic goals.

Α

В

Ε

Ε

Ε

Reduce

Reduce

32

24

No Change

No Change

21

18

No Change

No Change