| No. | Solicitations  | Details  | Program  | Release     | Anticipated<br>Contract Start | Description of Services  |
|-----|--|--|----------|-------------|-------------------------------|--|
| 1.  | Federal Legislative and Policy Representative<br>Services<br>Spring-Fed Pool<br>(Solicitation No. TBD) | Solicitation; five-year contract term;<br>multiple contract awards; estimated pool<br>amount may exceed \$1M. Letters of<br>Engagement issued from the pool that<br>are \$1M or more, will be reported under<br>the Letter of Engagement section of the<br>Prospective Report. | CSR/LAD  | Winter 2020 | July 1, 2020                  | Provide consultation and<br>representation on federal<br>executive, legislative, and/or<br>regulatory plans that may<br>impact CalPERS and its<br>members. |
| 2.  | <b>Outside Health Legal Counsel</b><br>(Solicitation No. 2018-8628)                                    | Solicitation; multiple contract awards;<br>five-year contract term; estimated pool<br>amount may exceed \$1M.  | GCO/LEGO | May 2019    | January 2020                  | Outside counsel services to<br>the Board, as requested by the<br>General Counsel or designee<br>in connection with health<br>matters.                      |
| 3.  | <b>Outside Business Litigation Counsel</b><br>(Solicitation No. 2018-8631)                             | Solicitation; multiple contract awards;<br>five-year contract term; estimated pool<br>amount may exceed \$1M.  | GCO/LEGO | July 2019   | January 2020                  | Outside counsel services to<br>the Board, as requested by the<br>General Counsel or designee<br>in connection with business<br>litigation matters.         |

| No. | Solicitations  | Details  | Program   | Release     | Anticipated<br>Contract Start | Description of Services   |
|-----|--|--|-----------|-------------|-------------------------------|---|
| 4.  | <b>Outside Tax Counsel</b><br>(Solicitation No. 2019-8658)                                     | Solicitation; multiple contract awards;<br>five-year contract term; estimated pool<br>amount may exceed \$1M.  | GCO/LEGO  | July 2019   | January 2020                  | Outside counsel services to<br>the Board, as requested by the<br>General Counsel or designee<br>in connection with tax and<br>employee benefit matters.   |
| 5.  | <b>Outside Real Assets and Partnership Counsel</b><br>(Solicitation No. 2019-8674)             | Solicitation; multiple contract awards;<br>five-year contract term; estimated pool<br>amount may exceed \$1M.  | GCO/LEGO  | August 2019 | April 2020                    | Outside counsel services to<br>the Board, as requested by the<br>General Counsel or designee<br>in connection with Real Estate<br>and Infrastructure<br>investments.  |
| 6.  | Health Actuarial and Benefits Consulting<br>Services Spring-Fed Pool<br>(Solicitation No. TBD) | Solicitation; five-year contract term;<br>multiple contract awards; estimated pool<br>amount is \$10M over the five-year term.<br>Letters of Engagement issued from the<br>pool that are \$1M or more, will be<br>reported under the Letter of<br>Engagement section of the Prospective<br>Report. | HPBB/HPAD | Winter 2020 | July 1, 2020                  | Provide actuarial and benefit<br>consulting services for the<br>health, pharmaceutical, and<br>long term care programs to<br>continue to respond to the<br>changes in the national<br>healthcare marketplace. |

| No. | Solicitations   | Details   | Program  | Release       | Anticipated<br>Contract Start | Description of Services  |
|-----|---|---|----------|---------------|-------------------------------|--|
| 7.  | <b>Health Care Survey</b><br>(Solicitation No. 2019-8706)                             | Solicitation; five-year contract term;<br>estimated contract amount to be<br>negotiated.  | HPBB/SRS | December 2019 | June 2020                     | Provide annual health care<br>survey services consistent with<br>the Consumer Assessment of<br>Health Providers Systems<br>(CAHPS), to gain insight into<br>the performance and<br>satisfaction of our members<br>with their health plans. |
| 8.  | <b>Broadly Syndicated Loans</b><br>(Solicitation No. TBD)<br>Opportunistic Strategies | Solicitation; multiple contract awards;<br>estimated contract amounts to be<br>negotiated. Fees based on assets under<br>management.  | INVO     | Winter 2020   | Spring 2020                   | Multiple Awards to invest in<br>Broadly Syndicated Loans.  |
| 9.  | <b>Structured Products</b><br>(Solicitation No. TBD)<br>Opportunistic Strategies      | Solicitation; multiple contract awards;<br>contracts without defined duration;<br>estimated contract amounts to be<br>negotiated. Fees based on assets under<br>management. | INVO     | Winter 2020   | Spring 2020                   | Solicitation for structured product investment services.   |

| No. | New Contracts / Amendments  | Details   | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services   |
|-----|---|---|---------|------------------|----------------------------------|---|
| 1.  | <b>Meketa Investments, LLC</b><br>(Contract No. TBD)<br>Board of Administration   | Contract award from the Board<br>Investment Consultants RFP; three-year<br>term with two, one-year options to<br>renew; estimated contract value not to<br>exceed \$5M over a five-year term. | BOA     | October 2019     | July 1, 2020                     | Private Equity Board<br>Consultant Contract.                      |
| 2.  | <b>Meketa Investments, LLC</b><br>(Contract No. TBD)<br>Board of Administration   | Contract award from the Board<br>Investment Consultants RFP; three-year<br>term with two, one-year options to<br>renew; estimated contract value not to<br>exceed \$7M over a five-year term. | BOA     | October 2019     | July 1, 2020                     | Real Assets Board Consultant<br>Contract.                         |
| 3.  | <b>Meketa Investments, LLC</b><br>(Contract No. TBD)<br>Board of Administration   | Contract award from the Board<br>Investment Consultants RFP; three-year<br>term with two, one-year options to<br>renew; estimated contract value not to<br>exceed \$2M over a five-year term. | BOA     | October 2019     | July 1, 2020                     | Infrastructure Board<br>Consultant Contract.                      |
| 4.  | Wilshire Associates Incorporated<br>(Contract No. TBD)<br>Board of Administration | Contract award from the Board<br>Investment Consultants RFP; three-year<br>term with two, one-year options to<br>renew; total contract value not to<br>exceed \$18M for a five-year term.     | BOA     | October 2019     | July 1, 2020                     | General Pension Consultant<br>for the Board of<br>Administration. |

| No. | New Contracts / Amendments                                   | Details  | Program   | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services   |
|-----|--|--|-----------|------------------|----------------------------------|---|
| 5.  | DGS, Office of State Publishing<br>(Contract No. 2017-8357)  | Inter-Agency agreement; amend current<br>thirty-month contract to a full five-year<br>term; estimated five-year contract<br>amount not to exceed \$8M.                             | CSR/PAOF  | January 2020     | July 2020                        | Printing services for the<br>PERSpective newsletter,<br>member publications, open<br>enrollment materials, and<br>other misc. special projects.   |
| 6.  | <b>State Controller's Office</b><br>(Contract No. 2019-8699) | Inter-Agency Agreement; amend current<br>eighteen-month contract to a full five-<br>year term; estimated five-year contract<br>amount not to exceed \$23M.                         | CSS/RBSD  | July 2020        | January 2021                     | SCO issues payments for<br>members, beneficiaries, and<br>survivors who receive CalPERS<br>benefits.  |
| 7.  | <b>Voya Financial, Inc.</b><br>(Contract No. TBD)            | Solicitation previously reported in May<br>2018 on separate agenda item; contract<br>term February 1, 2020 – January 31,<br>2025; estimated contract value not to<br>exceed \$18M. | FINO/PCPP | June 2019        | February 2020                    | Defined contribution and<br>deferred compensation plan<br>administration, recordkeeping,<br>field education, marketing and<br>participant communication<br>services for all plans offered<br>under CalPERS' Supplemental<br>Income Plans. |
| 8.  | <b>BDO USA, LLP</b><br>(Contract No. 2018-8640)              | Services previously reported on the April<br>2018 report; existing contract term is<br>June 7, 2019 – March 31, 2021; contract<br>value is \$5.32M.                                | GCO/OFAS  | June 2019        | June 2019                        | Independent Financial<br>Statement Auditor. Annual<br>external audit services<br>including work on GASB 68<br>and 75 opinions.  |

| r | No. | New Contracts / Amendments  | Details  | Program   | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services  |
|---|-----|---|--|-----------|------------------|----------------------------------|--|
| ç |     | <b>OptumRx, Inc.</b><br>(Contract No. 2016-8198)  | Amendment; add \$27.5M to current<br>contract; existing contract term is<br>January 1, 2017 – December 31, 2021;<br>estimated contract amount not to<br>exceed \$112M. | HPBB/HPAD | November 2019    | January 2020                     | Pharmacy Benefits Manager<br>(PBM)   |
| 1 |     | <ul> <li>Health Maintenance Organization (HMO)<br/>Health Plan Administrators:</li> <li>Anthem Blue Cross<br/>(Contract No. 2018-8530)</li> <li>Blue Shield of CA<br/>(Contract No. 2018-8528)</li> <li>HealthNet of CA<br/>(Contract No. 2018-8533)</li> <li>Sharp Health Plan<br/>(Contract No. 2018-8531)</li> <li>UnitedHealthcare<br/>(Contract No. 2018-8532)</li> <li>Western Health Advantage<br/>(Contract No. 2018-8534)</li> <li>Kaiser Permanente<br/>(Contract No. 2018-8529)</li> </ul> | Amendments to existing contracts; five-<br>year contract terms; estimated contract<br>amounts not to exceed a combined total<br>of \$2.8B                              | HPBB/HPAD | June 2019        | January 2020                     | Health Maintenance<br>Organization (HMO) Health<br>plan medical and/or pharmacy<br>third-party administration and<br>similar services. |

| No. | New Contracts / Amendments  | Details   | Program  | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services  |
|-----|---|---|----------|------------------|----------------------------------|--|
| 11. | Long Term Care Group Inc., dba LTCG<br>Administrators<br>(Contract No. 2017-7341) | Amendment; add \$6.4M to current<br>contract to fund the LIFT Wellness<br>Program services; existing contract term<br>is January 1, 2018 – December 31, 2022;<br>estimated five-year contract amount not<br>to exceed \$109M. | HPBB/LTC | December 2019    | January 2020                     | The LIFT Wellness Program<br>was approved by the Board in<br>April 2019. It is designed to<br>prevent falls and keep CaIPERS<br>Long-Term Care Program<br>participants functionally<br>independent, while lowering<br>future Long-Term Care<br>Program claims. |
| 12. | <b>Altus</b><br>(Contract No. TBD)<br>Real Assets                                 | Exemption from Competitive Bid; up to<br>five-year contract term; estimated<br>contract may exceed \$2M.  | INVO     | November 2019    | January 2020                     | Collection and aggregation of<br>critical Real Assets portfolio<br>data with a consulting and<br>analytical component to assist<br>the Investment Office in<br>making more critical and<br>timely decisions for Real<br>Assets and the Total Fund.             |
| 13. | <b>Barra, LLC</b><br>(Contract No. TBD)<br>Investment Risk and Performance        | Exemption from Competitive Bid; up to five-year contract; estimated total contract value may exceed \$11M.  | INVO     | Winter 2020      | November 2020                    | Risk and reporting services for<br>the INVO Investment<br>Performance and Risk Group.  |

| No. | Existing Investment Manager Contracts  | Details  | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services  |
|-----|--|--|---------|------------------|----------------------------------|--|
| 1.  | <b>Alliance Bernstein LP</b><br>(Contract No. 2006-4120)<br>Global Fixed Income                    | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.        |
| 2.  | <b>Baring International Investment Limited</b><br>(Contract No. 2000-2089)<br>Global Fixed Income  | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.        |
| 3.  | <b>Blue Bay Asset Management LLP</b><br>(Contract No. 2014-7473)<br>Global Fixed Income            | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the international<br>fixed income portfolio. |
| 4.  | Columbia Management Investment Advisors,<br>LLC<br>(Contract No. 2008-4960)<br>Global Fixed Income | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.        |

| No. | Existing Investment Manager Contracts  | Details  | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services  |
|-----|--|--|---------|------------------|----------------------------------|--|
| 5.  | <b>Goldman Sachs Asset Management, L.P.</b><br>(Contract No. 2014-7474)<br>Global Fixed Income             | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M    | INVO    | Existing         | Existing                         | Investment management services for the international fixed income portfolio. |
| 6.  | Investec Asset Management North America,<br>Inc.<br>(Contract No. 2014-7475)<br>Global Fixed Income        | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M.   | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.  |
| 7.  | J.P. Morgan Investment Management<br>(Contract No. 2008-4963)<br>Global Fixed Income                       | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M.   | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.  |
| 8.  | Logan Circle Partners, LP<br>(Contract No. 2008-4962)<br>Global Fixed Income                               | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M.   | INVO    | Existing         | Existing                         | Investment management<br>services for high yield fixed<br>income portfolio.  |
| 9.  | Nomura Corporate Research and Asset<br>Management, Inc.<br>(Contract No. 2001-2621)<br>Global Fixed Income | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-2020; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.  |

| No. | Existing Investment Manager Contracts   | Details  | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services   |
|-----|---|--|---------|------------------|----------------------------------|---|
| 10. | Neuberger Berman Investment Advisors, LLC<br>(Contract No. 2014-7476)<br>Global Fixed Income      | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.     |
| 11. | Pacific Investment Management Company,<br>Inc.<br>(Contract No. 2001-2620)<br>Global Fixed Income | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.     |
| 12. | Pacific Investment Management Company,<br>Inc.<br>(Contract No. 2006-4121)<br>Global Fixed Income | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.     |
| 13. | <b>The Putnam Advisory Company, LLC</b><br>(Contract No. 2008-4961)<br>Global Fixed Income        | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the high yield fixed<br>income portfolio. |
| 14. | <b>Voya Investment Management Co. LLC</b><br>(Contract No. 2008-4965)<br>Global Fixed Income      | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Fixed<br>Income portfolio.     |

| No. | Existing Investment Manager Contracts  | Details  | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services   |
|-----|--|--|---------|------------------|----------------------------------|---|
| 15. | <b>Arrowstreet Capital LP</b><br>(Contract No. 2014-7483)<br>Global Equity                     | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Equity<br>portfolio. |
| 16. | <b>Baillie Gifford Overseas Limited</b><br>(Contract No. 2000-2263)<br>Global Equity           | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Equity<br>portfolio. |
| 17. | <b>State Street Global Advisors Trust Company</b><br>(Contract No. 2012-6541)<br>Global Equity | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Equity<br>portfolio. |
| 18. | Wellington Management Company, LLP<br>(Contract No. 2014-7480)<br>Global Equity                | Existing Investment Manager, undefined<br>value; term is without defined duration,<br>may or may not be funded throughout<br>FY 2019-20; if funded, base and/or<br>performance fees may exceed \$1M. | INVO    | Existing         | Existing                         | Investment management<br>services for the Global Equity<br>portfolio. |

| No. | Contracts Without Fixed Values   | Details  | Program | Award / Initiate | Contract /<br>Amendment<br>Start | Description of Services  |
|-----|--|--|---------|------------------|----------------------------------|--|
| 1.  | <b>Goldman Sachs Asset Management, L.P.</b><br>(Contract No. 2018-8590)<br>Global Equity | Investment advisory services where<br>payment is based on specific fees, terms<br>and services. Contract expires June 2024;<br>payment is based on assets and may<br>exceed \$1M per year. | INVO    | Existing         | Existing                         | Investment advisory services<br>and/or modeling services for<br>the Global Equity portfolio. |

| No. | Purchase Orders   | Details  | Program | Initiate | Change Order<br>Effective | Description of Services  |
|-----|---|--|---------|----------|---------------------------|--|
| 1.  | Carahsoft Technology Corp.<br>(Purchase Order No. 75338)<br>INVO Wide | Subscription Agreement; annual<br>renewal; total purchase order may<br>exceed \$1.5M for FY 2019-2020. | INVO    | Existing | N/A                       | Technology Platform for<br>vendor management services<br>for the INVO. |
| 2.  | <b>Glass Lewis</b><br>(Purchase Order No. TBD)<br>Global Equity       | Three-year investment subscription<br>agreement for FY 2019-2022 may exceed<br>\$1M total value.       | INVO    | 2019     | N/A                       | Proxy voting system<br>subscription for Global Equity.                 |

#### Item 4b, Attachment 1

| No. | Letters of Engagement (LOEs)  | Details  | Program | Initiate    | Contract /<br>Amendment<br>Start | Description of Services   |
|-----|---|--|---------|-------------|----------------------------------|---|
| 1.  | <b>McKinsey &amp; Company, Inc.</b><br>(LOE No. TBD)<br>Investment Office | Exemption from competitive bid; one-<br>year LOE term; fees may exceed \$1M. | INVO    | Winter 2020 | Winter 2020                      | Consulting and assessment<br>services for the CalPERS<br>Investment Office. |

#### Legend:

BOA – Board of Administration

CSR – Communications and Stakeholder Relations

CSS – Customer Services and Support

FINO – Financial Office

GCO – General Counsel Office

HPAD – Health Plan Administration Division

HPBB – Health Policy and Benefits Branch

INVO – Investment Office

LAD – Legislative Affairs Division

LEGO – Legal Office

LTC – Long Term Care

OFAS – Office of Audit Services

PAOF – Office of Public Affairs

PCPP – Pension Contracts and Prefunding Programs

RBSD – Retirement Benefit Services Division

SRS – Strategic Research Services