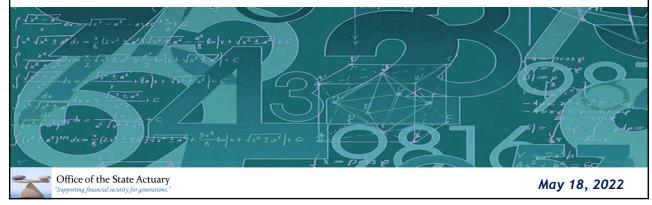


Presentation to:

LEOFF Plan 2 Retirement Board

Mitch DeCamp, Senior Actuarial Analyst Sarah Baker, Senior Actuarial Analyst



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Today's Presentation

- Background on the actuarial valuation cycle
- 2021 Preliminary Actuarial Valuation Report results
- Informational No Board action needed today



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Purpose of 2021 Valuation

- Estimate future benefits to be paid from the plan
- Calculate contribution rates that fund expected future benefits
 - Rate-setting valuation
- Check funding progress
- Certify the underlying data, assumptions, and methods are reasonable and conform with current actuarial standards of practice

2

The Actuarial Valuation Process: Office of the State Actuary **How We Get from Participant Data to Contribution Rates DRS Funding** Census **Policy** Data Pension[®] **Funding** Council **OSA Valuation** Valuation •Plan Provisions Contribution Assets and Assumptions Rates Liabilities •Methods **LEOFF 2 WSIB** May 18, 2022 **Actuarial Board** and DRS **Audit** Assets

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Important Notes on the 2021 Actuarial Valuation

- The 2021 valuation measures the system on June 30, 2021
- This presentation will reconcile results from the 2019 to the 2021 rate-setting valuations
- All results are preliminary and currently under audit

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Key 2021 Valuation Updates

- Economic Assumption Update
 - Updated economic assumptions consistent with the Board's adoption at the November 2021 meeting
 - Investment Return assumption lowered from 7.40% to 7.00%
 - General Salary Growth assumption lowered from 3.50% to 3.25%
- 2021 Investment Earnings
 - Assets include large 2021 investment return of 31.65%
- SHB 1701 Benefit Improvement
 - Updated plan costs and funding policy consistent with legislation

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Preliminary Changes in Market Value of Assets

Preliminary Participant Data—Two Year Comparison

LEOFF 2

Actives Headcount

Average Age

Annuitants Headcount

Average Service

Average Annual Salary

Average Annual Benefit

Actives to Annuitants

2019

18,557

\$114,100

42.8

13.6

6,064

\$50,900

2021

18,683

\$122,500

42.3

13.1

7,574

\$56,200

2.5

| LEOFF 2 | | | | | | |
|-----------------------|--------------------|--|--|--|--|--|
| (Dollars in Millions) | | | | | | |
| 2019 Market Value | \$13,916 | | | | | |
| Contributions | 829 | | | | | |
| Disbursements | (791) | | | | | |
| Investment Earnings* | 5,233 | | | | | |
| Adjustments** | 450 | | | | | |
| 2021 Market Value | \$19,637 | | | | | |
| *1 | 050/ 1. 5)/ 0000 / | | | | | |

^{*}Investments returned 4.50% and 31.65% in FY 2020 and 2021, respectively.

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^{**}Adjusted the Market Value of Assets to reflect the transfer of the Benefit Improvement Account, measured on June 30, 2021, into the LEOFF 2 trust under SHB 1701.

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Calculation of Actuarial Value of Assets

- MVA reported by DRS
- Develop Actuarial Value of Assets (AVA) by smoothing past and current asset gains (or losses) from investments
 - Calculate 2020 and 2021 asset gain (or loss) based on 7.4% expected return
 - Smooth gain (or loss) over a period up to 8 years
 - Smoothing method reduces contribution rate and funded status volatility

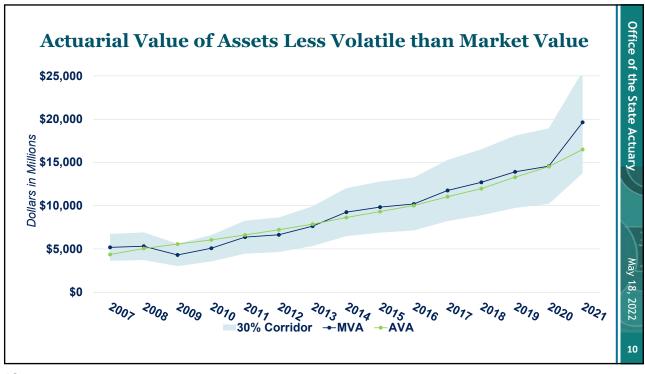
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Calculating Preliminary 2021 AVA

| Calculation of Actuarial Value of Assets | | | | | | | | |
|--|---------------------------|---------------|---------------------|--------------------|--|--|--|--|
| LEOFF 2 | | | | | | | | |
| (Dollars in Millions) 2021 | | | | | | | | |
| Market Value of Assets \$19,637 | | | | | | | | |
| Plan Year | Return on | Years | Years | Amount | | | | |
| | | | | | | | | |
| Ending | Assets | Deferred | Remaining | Deferred* | | | | |
| 6/30/2021 | Assets 31.65% | Deferred 8 | Remaining 7 | Deferred* 3,083 | | | | |
| | | | Remaining 7 1 | | | | | |
| 6/30/2021 | 31.65% | 8 | 7 | 3,083 | | | | |
| 6/30/2021 6/30/2020 | 31.65% 4.50% 14.14% | 8 | 7 1 | 3,083 (135) | | | | |

*Amount of asset gains and (losses) left to recognize, or apply, in future valuations.

**Actuarial Value of Assets can never be less than 70% (\$13,746) or greater than
130% (\$25,528) of the Market Value of Assets.



Preliminary Liability Change from Last Valuation

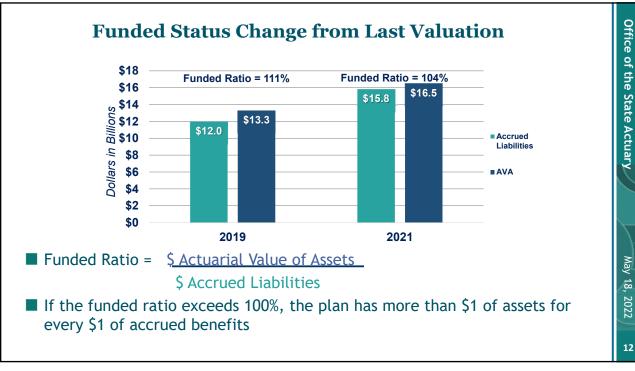
| LEOFF 2 | | | | | | | |
|----------------------------------|----------|----------|------------|--|--|--|--|
| (Dollars in Millions) | 2019 | 2021 | Difference | | | | |
| Present Value of Future Benefits | \$16,096 | \$21,075 | \$4,978 | | | | |
| Accrued Liability | \$11,992 | \$15,819 | \$3,827 | | | | |

- Present Value of Future Benefits
 - Today's value of all future expected benefits for current members
- Accrued Liability
 - Today's value of all future plan benefits that have been accrued or "earned" as of the valuation date by current plan members under the EAN cost method

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Preliminary Calculated Contribution Rate Notes

- Contribution rates will be presented at the June meeting
- We expect the following impacts from the key valuation updates
 - Update of Economic Assumptions † Increased rates
 - 2021 Investment Returns ↓ Decreased rates
 - 2022 Benefit Improvement †Increased rates

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Summary of 2021 Actuarial Valuation

- Lower economic assumptions and the recent benefit improvement offset the 2021 investment earnings to reduced funded status
- The plan is considered healthy
 - Funded ratio decreased but still exceeds 100%
 - AVA is deferring over \$3.1 billion
 - Expect continued funded ratio improvement as deferred assets are recognized
- Next steps include preliminary contribution rate and funding policy presentation from OSA at June meeting
- Final contribution rates available for Board action at the July meeting

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Questions? Please Contact: The Office of the State Actuary leg.wa.gov/OSA; state.actuary@leg.wa.gov 360-786-6140, PO Box 40914, Olympia, WA 98504 Mitch DeCamp Sarah Baker

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Disclosure

- This presentation is based on the <u>Preliminary 2021 Actuarial Valuation</u>
 <u>Report</u>. Please see the preliminary posted sections for disclosure of assumptions, methods, and data used to produce the results contained in this presentation
- All results are preliminary and currently under audit
- Michael T. Harbour, ASA, MAAA served as the reviewing and certifying actuary for this presentation

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- Add session year for fiscal notes info, link to FN Word doc on O: drive, add page number.
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