

Public Employees Retirement System

Headquarters: 11410 S.W. 68th Parkway, Tigard, OR Mailing Address: P.O. Box 23700 Tigard, OR 97281-3700 (503) 598-7377 TTY (503) 603-7766 www.oregon.gov/pers

March 7, 2019

TO: Members of the Capital Construction Subcommittee

FROM: Kevin Olineck, Director

SUBJECT: Employer Rate Projection Tool

EMPLOYER RATE PROJECTION TOOL

At the February 22, 2019 meeting of Capital Construction, there was some discussion of the PERS Employer Rate Projection Tool available on the PERS website. The tool, an interactive Excel spreadsheet, may be used for planning by employers to estimate their own potential contribution rates and amounts over the next several biennia. Employers may also use the tool to determine the potential impact of establishing new side accounts.

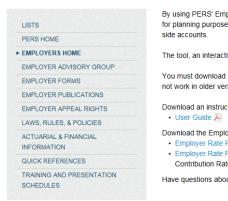
Follow along with an example of the City of Scappoose establishing a \$1.5M side account.

Access the **tool**, **data**, **and instructions** here:

https://www.oregon.gov/pers/EMP/Pages/Employer-Rate-Projection-Tool.aspx

Public Employees Retirement System / EMPLOYERS / Employer Rate Projection Tool

Employer Rate Projection Tool



By using PERS' Employer Rate Projection Tool, employers can estimate their own potential employer contribution rates and amounts for planning purposes over the next several biennia. Employers may also use the tool to determine the potential impact of establishing new

The tool, an interactive Excel spreadsheet, is for planning purposes only and data will change each year based on actual experience

You must download the .zip file to access the tool. We recommend using Microsoft Excel 2010 or later to use the tool. Some features might not work in older versions of Microsoft Excel. The tool will not work on Macintosh (Apple) versions of Excel.

Download an instructional document:

Download the Employer Rate Projection Tool and supporting resources:

- Employer Rate Projection Tool வே (Version 2.1 uploaded 1/9/19) (download this .zip file to open the macro-enabled Excel tool)
- Employer Rate Projection Tool Data Inputs 🗃 (includes December 31, 2017 Employer Valuation Payroll, 2017-2019 Current Employer Contribution Rates, and 2019-2021 Employer Contribution Rates)

Have questions about employer rates and contributions? Contact Actuarial.Services@PERS.state.or.us ₪.

Read the User Guide

How to Use the Employer Rate Projection Tool

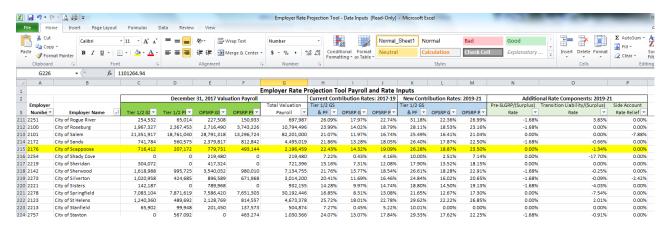
The Employer Rate Projection Tool is an interactive Excel file that allows users to enter current contribution rates and payroll data to generate a projection of contribution rates and amounts up to 10 future biennia. The tool will also generate an estimated beginning rate offset for a new side account based on the side account deposit amount specified by the user.

IMPORTANT

This tool is provided for rough planning purposes only. Employers should not rely on these projections to make budget or staffing decisions. Employers that choose to use this tool do so at their own risk, and PERS accepts no responsibility for employers relying on the results.

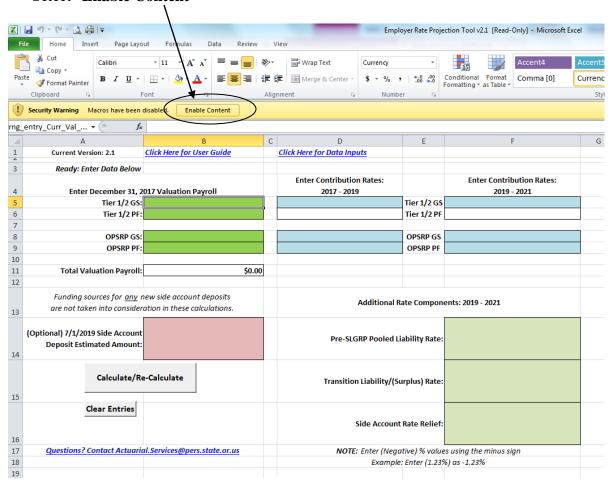
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- Open the "Employer Rate Projection Tool Data Inputs"
- Identify data that will be used in the tool



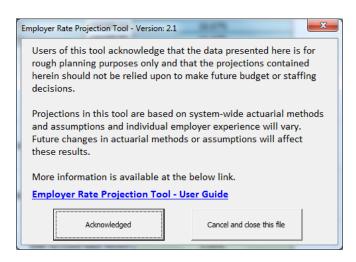
Open the "Employer Rate Projection Tool"

Select "Enable Content"

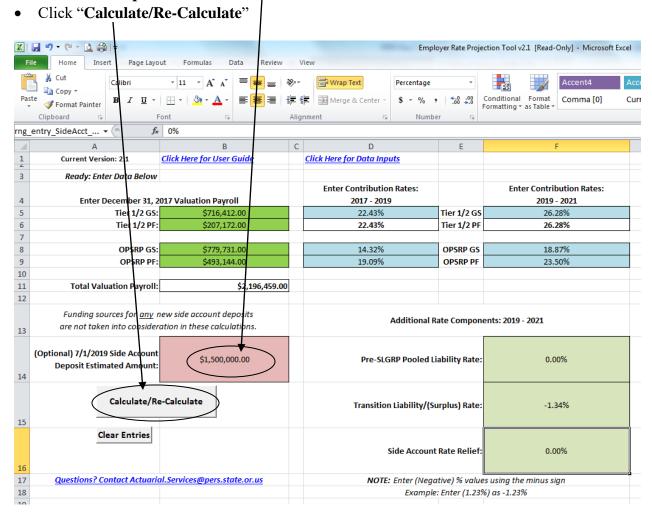


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• Click "Acknowledged" to access full functionality of the tool



- Enter data from "**Data Inputs**" spreadsheet (green columns in green boxes, blue columns in blue boxes, light green columns in light green boxes)
- Enter value of **potential side account**.

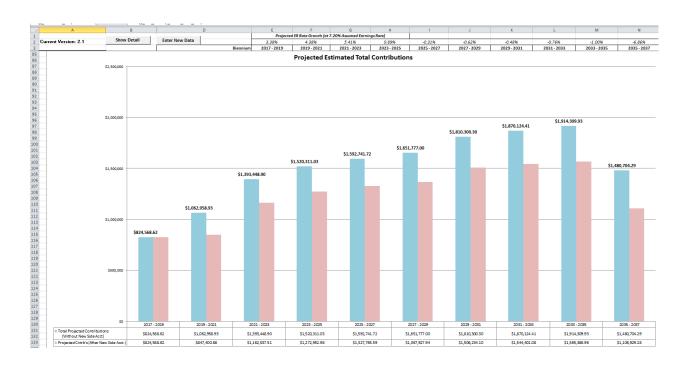


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	Δ			D	E		6	u			W		M	N
-4	A	В		U		R Rate Growth (at 7.2				1	K	L	M	N
1	Current Version: 2.1	Show Detail	Enter New Data		3.38%	4.38%	5.41%	0.89%	-0.31%	-0.62%	-0.48%	-0.76%	-1.00%	-6.86%
2	Culteric Version: 2.1			Biennium	2017 - 2019	2019 - 2021	2021 - 2023	2023 - 2025	2025 - 2027	2027 - 2029	2029 - 2031	2031 - 2033	2033 - 2035	2035 - 2037
3	December 31, 2017 Combined			Biennium	2017 - 2019	2019 - 2021	2021-2023	2023 - 2025	2025 - 2027	2027 - 2029	2029 - 2031	2031 - 2033	2033 - 2035	2035 - 2037
6	Valuation Payroll	\$2,196,459.00	Pri	ojected Payroll, Combined	\$4,394,217.84	\$4,707,196.00	\$5,042,466.04	\$5,401,615.68	\$5,786,345.76	\$6,198,478.23	\$6,639,964.85	\$7,112,896.34	\$7,619,512.39	\$8,162,212.15
9	(Optional) 7/1/2019 Side Account Deposit Estimated Amount	\$1,500,000.00	-											
10	Side Account Rate Relief	oled Liability Rate 0.00% Eff: 7/1/19, Rate Ends: 2029												
11	Pre-SLGRP Pooled Liability Rate													
12	Transition Liability/(Surplus) Rate													
13	1	Valuation Payroll		Projected Payroll	\$1,414,710.80	\$1,273,239.72	\$1,145,915.75	\$974,028.39	\$827,924.13	\$703,735.51	\$562,988.41	\$422,241.31	\$295,568.91	\$192,119.7
18		\$716,412.00	Pro	ojected Contribution Rates	22.43%	26.28%	31.69%	32.58%	32.27%	31.65%	32.51%	31.75%	30.75%	23.899
19	Tier One / Tier Two General		Projected Contribution	ns (w/o New Side Account)	\$ 317,319.63 \$	334,607.40 \$	363,140.70 \$	317,338.45 \$	267,171.12 \$	222,732.29 \$	183,027.53 \$	134,061.61 \$	90,887.44 \$	45,897.42
26	Service		Projected Additions	al Side Account Rate Offset	n/a	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.589
27				Projected Contributions (After New Side Account)	\$317,319.63	\$276,301.49	\$310,665.38	\$272,734.43	\$229,257.70	\$190,505.89	\$157,246.41	\$114,725.77	\$77,352.35	\$37,099.61
29		Valuation Payroll		Projected Payroll	\$411,786.31	\$391,197.00	\$352,077.30	\$316.869.57	\$269.339.13	\$202.004.35	\$141,403.05	\$91,911.98	\$55,147,19	\$30.330.99
34		\$207,172.00	Pro	piected Contribution Rates	22,43%	26.28%	31.69%	32.58%	32.27%	31.65%	32.51%	31.75%	30.75%	23.899
35			Projected Contribution	ns (w/o New Side Account)	S 92.363.67 S	102.806.57 S	111.573.30 S	103.236.11 S	86.915.74 S	63,934.38 \$	45.970.13 S	29.182.05 S	16.957.76 S	7.246.06
42	Police/Fire		Projected Additions	al Side Account Rate Offset	n/a	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.589
43	T OILC/THE			Projected Contributions										
				(After New Side Account)	\$92,363.67	\$84,892.35	\$95,450.50	\$88,725.59	\$74,581.80	\$54,683.92	\$39,494.81	\$24,973.10	\$14,432.39	\$5,857.1
45		Valuation Payroll		Projected Payroll	\$1,578,460,60	\$1,933,120,31	\$2.288.817.27	\$2,705,343,50	\$3,113,511,02	\$3.518.428.35	\$3,959,899,08	\$4,422,788.84	\$4.894.548.51	\$5,367,663,7
50		\$779,731.00	Pro	piected Contribution Rates	14.32%	18.87%	24.28%	25.17%	24.86%	24.24%	25.10%	24.34%	23,34%	16.489
50 51	OPSRP	*****		ns (w/o New Side Account)		364,779.80 S	555.724.83 S	680.934.96 S	774.018.84 5	852.867.03 S	993.934.67 S	1.076.506.80 S	1.142.387.62 5	884,590,98
58	General Service			al Side Account Rate Offset	n/a	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4,589
59	36116131116			Projected Contributions (After New Side Account)	\$226,035.56	\$276,255.75	\$450,912.23	\$557,048.23	\$631,440.75	\$691,746.43	\$812,597.64	\$873,972.50	\$918,249.87	\$638,787.7
61		Valuation Payroll		Projected Payroll	\$989,260.12	\$1,109,638.97	\$1,255,655.71	\$1,405,374.23	\$1,575,571.48	\$1,774,310.02	\$1,975,674.32	\$2,175,954.22	\$2,374,247.78	\$2,572,097.6
66	1	\$493,144.00	Pro	ojected Contribution Rates	19.09%	23.50%	28.91%	29.80%	29.49%	28.87%	29.73%	28.97%	27.97%	21.119
67	OPSRP		Projected Contribution	ns (w/o New Side Account)	\$ 188,849.76 \$	260,765.16 S	363,010.07 \$	418,801.52 S	464,636.03 \$	512,243.30 S	587,367.97 S	630,373.94 S	664,077.10 S	542,969.82
74	Police/Fire		Projected Additions	al Side Account Rate Offset	n/a	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.58%	-4.589
75	,			Projected Contributions (After New Side Account)	\$188,849.76	\$209,951.08	\$305,509.39	\$354,444.73	\$392,485.34	\$430,991.71	\$496,895.24	\$530,729.71	\$555,352.35	\$425,184.8
77			Pro	oiected Payroll, Combined	\$4.394.217.84	\$4,707,196,00	\$5.042,466.04	\$5,401,615,68	\$5,786,345,76	\$6,198,478,23	\$6,639,964.85	\$7.112.896.34	\$7.619.512.39	\$8.162.212.1
78				al Projected Contributions (Without New Side Acct)	\$824,568.62	\$1,062,958.93	\$1,393,448.90	\$1,520,311.03	\$1,592,741.72	\$1,651,777.00	\$1,810,300.30	\$1,870,124.41	\$1,914,309.93	\$1,480,704.2
	Cumulative Contribution Reduction From New Side Account:	\$2,595,140.40	Tot	al Projected Contributions (After New Side Acct)	\$824,568.62	\$847,400.68	\$1,162,537.51	\$1,272,952.98	\$1,327,765.59	\$1,367,927.94	\$1,506,234.10	\$1,544,401.08	\$1,565,386.96	\$1,106,929.2

• See projected payroll, employer rate, and impact of possible side account in **table or chart**



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