OFFICE OF THE SECRETARY OF STATE

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ELECTIONS — (503) 986-1518

September 11, 2015

Pamela Duffy
Via Electronic Mail: pamerdan@aol.com

Dear Ms. Duffy:

You submitted a petition to recall Senator Prozanski from elected office. This letter is to notify you of our official findings regarding the validity of that petition.

After processing the petition and verifying signatures, we have determined that the petition did not contain a sufficient number of valid signatures from electors in Senate District 4 to warrant a special recall election. After verification, the petition contained a total of 8,208 valid signatures, which is less than the 8,415 required.

Attached to this letter is a copy of the statistical report regarding the petition. It includes details about the number of total signatures required and received as well as the number of signatures accepted and rejected. It provides a summary of the information that we used to determine whether a special election should be ordered.

Because the petition did not include a sufficient number of valid signatures to order a special recall election, this recall process is now officially closed.

Please contact me if you have any questions.

Sincerely,

Jim Williams
Elections Director

c: Senator Floyd Prozanski

Kristian Roggendorf
Via Electronic Mail: kr@roggendorf-law.com

Leonard R. Morse
Via Electronic Mail: oregon-bound@prodigy.net

Submission F

R-2015-7

4	Required number	R	8,415	
5	**Stage 1: Verify First Sample from Submission F**			
6	Date		9.11.15	
7	Description	Notation	Number	*% Sub F*
8	**Submission F size**	N_F	10,027	100.00%
9	**Sample F1**			
10	Sample size	n_{F1}	1,003	10.00%
11	# valid signatures	y_{F1}	855	
12	Electors with multiple signatures			
13	#pairs	FF_1	2	
14	#triplicates	FFF_1		
16	**Equations**			
17	Proportion valid	$\bar{y}_{F1} = y_{F1}/n_{F1}$	0.8524	
18	Expansion factor	$F_{F1} = N_F/n_{F1}$	9.9970	
19	# valid signatures	$Y_{F1} = F_{F1}*y_{F1}$	8,547.44	85.24%
20	# multiple signatures	$D_{F1} = F_{F1}*F_{F1}*(e_2 + e_3) + F_{F1}*e_3$	199.88	1.99%
21	# valid signatures in Sample F1	$M_{F1} = Y_{F1} - D_{F1}$	8,347.56	83.25%
22	Margin of Error		285.22	2.84%
23	$MOE = 1.645*\sqrt{[N_F(N_F - n_{F1})/n_{F1}]*[\bar{y}_{F1}*(1 - \bar{y}_{F1}) + D_{F1}(1/n_{F1} + (-3 + 4*\bar{y}_{F1})/N_F)]}$			
25	Lower confidence limit for M	$M_L = M_{F1} - MOE$	8,062.34	80.41%
26	Is M_L >= required number:	8,415	No	-352.66
28	**Stage 2: Verify Second Sample from Submission F**			
29	**Sample F2**			
30	Sample size	n_{F2}	1,004	10.01%
31	# valid signatures	y_{F2}	828	
32	Electors with multiple signatures			
33	#pairs	FF_2	6	
34	#triplicates	FFF_2		
35	**Sample F** (combined sample)			
36	Sample size	$n_F = n_{F1} + n_{F2}$	2,007	20.02%
37	# valid signatures.	$y_F = y_{F1} + y_{F2}$	1,683	
38	Electors with multiple signatures			
39	#pairs	$e_{F2} = FF_1 + FF_2$	8	
40	#triplicates	$e_{F3} = FFF_1 + FFF_2$	0	
42	**Equations**			
43	Expansion factor	$F_F = N_F/n_F$	4.9960	
44	# valid signatures	$Y_F = F_F*y_F$	8,408.29	83.86%
45	# multiple signatures	$D_F = F_F*F_F*(e_{F2} + e_{F3}) + F_F*e_{F3}$	199.68	1.99%
46	# electors signing Submission F	$M_F = Y_F - D_F$	8,208.61	81.87%
47	Is M_F >= required number:	8,415	No	-206.39