

## A Proposal for a form of Proportional Representation

by

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**Procedure:**

- 1) Elections would be conducted in essentially the same manner as at present.
- 2) The candidate with the most votes in each riding becomes the member for that riding.
- 3) Additional members are declared elected according to the following scheme which is designed to produce proportional representation.
- 4) For each party with 3% or more of the vote, the number of members declared elected thus far is divided by the fraction of the vote that that party received.
- 5) The largest of these numbers is then multiplied by the fraction of the vote received for each party, and rounded to the nearest integer. These numbers are taken as the total number of members that the various parties should receive.
- 6) This will result in additional members needed for some parties, but no reductions. For each party these additional members will be those candidates for that party not so far elected and with the highest absolute number of votes. These will be members at large and are not expected to represent any particular riding.

**Advantages of this system are:**

- A much fairer, proportional representation is achieved
- There is no change to the current voting system
- All members are elected by vote (ie no party list is used)
- The additional members are likely to come from ridings with the largest number of actual voters.

**Disadvantage:**

- An increase in the number of members which is non known in advance, and has the potential to be large. One might wish to put a limit on the total number. This limit could be accomplished by raising the above figure of 3% until this limit is attained.

**Example:**

An example is provided on the following pages. The numbers are from the 2004 federal election for the City of Vancouver and suburbs (17 seats). The votes for the minor parties have been omitted for clarity.

Note that the outcome using this scheme is significantly different from the actual results and is much a much fairer representation of the voters wishes. To summarize:

			<u>Con</u>	<u>Lib</u>	<u>NDP</u>	<u>Green</u>	<u>NA</u>	<u>total</u>
fraction of votes	0.309	0.349	0.267	0.055	0.019	1.000		
actual number of seats	7	6	3	0	1	17		
proposed number of members	7	8	6	1	1	23		

Note, in the actual election:

- The Liberals received a larger fraction of the popular vote than the Conservatives, but got fewer seats.
- The NDP received 86% of the votes the Conservatives received, but less than half the number of seats

· The Green party received 5.5% of the vote; on a proportion basis they should have received 1 seat, but got none. All these 'errors' are corrected in the proposed system.

**EXAMPLE**

		Con	Lib	NDP	Green	NA
<b>Burnaby Douglas</b>						
Bill Cunningham	Lib	14748		14748		
George Drazenovic	Con	12531		12531		
Shawn Hunsdale	Green	1687			1687	
Bill Siksay	NDP	15682	X	15682		
Total number	votes	45343				

**Burnaby-New West**

Peter Julian	NDP	14061	X	14061		
Revel Kunz	Green	1606			1606	
Mary Pynenburg	Lib	13732		13732		
Mike Redmond	Con	11821		11821		
Total number	votes	41698				

**Delta**

John Cummins	Con	21308	X	21308		
Shelley Leonhardt	Lib	15515		15515		
Dana Miller	Green	3066			3066	
Itrath Syed	NDP	6838		6838		
Total number	votes	46727				

**Dewdney**

Mike Bocking	NDP	15693		15693		
Blanche Juneau	Lib	10500		10500		
Randy Kamp	Con	18490	X	18490		
Tammy Meyer	Green	2535			2535	
Total number	votes	48016				

**Fleetwood-Port Kells**

Barry Bell	NDP	10976		10976		
Gulzar Cheema	Lib	11568		11568		
Nina Grewal	Con	14052	X	14052		
David Walters	Green	2484			2484	
Total number	votes	39247				

**New West-Coquitlam**

Paul Forseth	Con	15684	X	15684		
Dave Haggard	Lib	13073		13073		
Steve McClurg	NDP	15570		15570		
Carli Travers	Green	2683			2683	
Total number	votes	47710				

**North Van**

Don Bell	Lib	22619	X	22619	
John Nelson	NDP	8967		8967	
Peggy Stortz	Green	4114			4114
Ted White	Con	20548		20548	
Total number	votes	56506			

**Port Moody**

Charley King	NDP	12023		12023	
James Moore	Con	18664	X	18664	
Kwangyul Peck	Lib	12445		12445	
Richard Voigt	Green	1971			1971
Total number	votes	45584			

**Richmond**

Raymond Chan	Lib	18204	X	18204	
Dale Jackaman	NDP	6142		6142	
Stephen Kronstein	Green	1743			1743
Alice Wong	Con	14457		14457	
Total number	votes	40922			

**Surrey North**

Sunny Athwal	Green	658		658	
Chuck Cadman	NA	15089	X		15089
Jasbir Cheema	Con	4340		4340	
Jim Karpoff	NDP	8312		8312	
Dan Sheel	Lib	5413		5413	
Total number	votes	34450			

**Surrey South**

Romeo De-La-Pena	Green	3032			3032
Russ Hiebert	Con	22760	X	22760	
Judy Higginbotham	Lib	19611		19611	
Pummy Kaur	NDP	7663		7663	
Total number	votes	53338			

**Van Centre**

Hedy Fry	Lib	21280	X	21280	
Robbie Mattu	Green	3580			3580
Gary Mitchell	Con	10139		10139	
Kennedy Stewart	NDP	17050			17050
Total number	votes	52793			

**Van East**

Shirley Chan	Lib	10768		10768
Libby Davies	NDP	23452	X	23452
Harvey Grigg	Con	4153	4153	
Ron Plowright	Green	2365		2365
Total number	votes	41534		

**Van Kingsway**

David Emerson	Lib	17267	X	17267
Jesse Johl	Con	7037	7037	
Tracey Mann	Green	1521		1521
Ian Waddell	NDP	15916		15916
Total number	votes	42697		

**Van Quadra**

David Askew	NDP	8348		8348
Stephen Owen	Lib	29187	X	29187
Stephen Rogers	Con	14648	14648	
Doug Warkentin	Green	3118		3118
Total number	votes	55665		

**Van South**

Ujjal Dosanjh	Lib	18196	X	18196
Bev Meslo	NDP	10038		10038
Doug Perry	Green	1465		1465
Victor Chan	Con	10426	10426	
Total number	votes	40876		

**West Van**

Andrea Goldsmith	Green	5887		5887
John Reynolds	Con	21372	X	21372
Nicholas Simons	NDP	13156		13156
Blair Wilson	Lib	19685	19685	
Total number	votes	60544		

	Con	Lib	NDP	Green	NA	total
Total party votes	242430	273811	209887	43515	15089	784732
fraction of votes	0.309	0.349	0.267	0.055	0.019	1.000
number of seats if PR used	5	6	5	1	0.33	17
actual number of seats	7	6	3	0	1	17

actual # of seats/ fraction of votes      22.7   17.2   11.2   0.0   52.0

take largest of those with  $\geq 3\%$  of vote

this is 22.7

Now apply this ratio to all parties

to calculate their number of members      7   8   6   1   0.44

This means we need 2 more Liberals, 3 more NDP and 1 Green.

These are selected from those candidates of these parties who had the highest number of votes but were not so far elected.

These are:

		<u>votes</u>
Lib	Blair Wilson    West Van	19685
	Judy Higginbotham Surrey S.	19611

NDP	Kennedy Stewart    Van Centre	17050
	Ian Waddell    Van Kingsway	15916
	Mike Bocking    Dewdney	15693

Green	Andrea Goldsmith    West Van	5887
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and these would be the additional elected members - called members at large.