

Exhibit 7
apportionment1_1980PopFixed.xls

Using Official 1980 State populations												
State	Population	Compare To 1970	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation	
Alabama	3,894,025	7	7	0	28,600	501,546	378	438	556,289	36,970	7.12%	
Alaska	401,851	1	1	0			at large	751	401,851	-117,468	-22.62%	
Arizona	2,716,546	4	5	1	154,521	375,513	375	458	543,309	23,990	4.62%	
Arkansas	2,286,357	4	4	0	57,860	473,001	344	443	571,589	52,270	10.07%	
California	23,667,764	43	45	2	181,110	374,776	427	439	525,950	6,631	1.28%	
Colorado	2,889,735	5	6	1	507,358	22,567	431	505	481,623	-37,697	-7.26%	
Connecticut	3,107,564	6	6	0	289,529	240,396	397	474	517,927	-1,392	-0.27%	
Delaware	594,338	1	1	0			at large	533	594,338	75,019	14.45%	
Florida	9,746,961	15	19	4	471,242	66,286	433	452	512,998	-6,321	-1.22%	
Georgia	5,462,982	10	10	0	34,693	496,901	393	437	546,298	26,979	5.20%	
Hawaii	964,691	2	2	0	319,290	224,392	333	566	482,346	-36,974	-7.12%	
Idaho	944,127	2	2	0	339,854	203,828	340	579	472,064	-47,256	-9.10%	
Illinois	11,427,409	24	22	-2	363,790	175,827	428	448	519,428	109	0.02%	
Indiana	5,490,210	11	10	-1	7,465	524,129	392	436	549,021	29,702	5.72%	
Iowa	2,913,808	6	6	0	483,285	46,640	426	500	485,635	-33,684	-6.49%	
Kansas	2,364,236	5	5	0	506,831	23,203	430	519	472,847	-46,472	-8.95%	
Kentucky	3,660,324	7	7	0	262,301	267,845	399	461	522,903	3,584	0.69%	
Louisiana	4,206,116	8	8	0	241,722	288,818	404	459	525,765	6,445	1.24%	
Maine	1,125,043	2	2	0	158,938	384,744	287	493	562,522	43,202	8.32%	
Maryland	4,216,933	8	8	0	230,905	299,635	402	456	527,117	7,798	1.50%	
Massachusetts	5,737,093	12	11	-1	285,308	246,884	418	453	521,554	2,235	0.43%	
Michigan	9,262,044	19	18	-1	431,794	105,042	429	451	514,558	-4,761	-0.92%	
Minnesota	4,075,970	8	8	0	371,868	158,672	420	472	509,496	-9,823	-1.89%	
Mississippi	2,520,770	5	5	0	350,297	179,737	400	490	504,154	-15,165	-2.92%	
Missouri	4,916,766	10	9	-1	56,068	474,968	390	440	546,307	26,988	5.20%	
Montana	786,690	2	2	0	497,291	46,391	412	677	393,345	-125,974	-24.26%	
Nebraska	1,569,825	3	3	0	245,998	287,589	358	497	523,275	3,956	0.76%	
Nevada	800,508	1	2	1	483,473	60,209	398	667	400,254	-119,065	-22.93%	
New Hampshire	920,610	2	2	0	363,371	180,311	349	592	460,305	-59,014	-11.36%	
New Jersey	7,365,011	15	14	-1	231,119	303,002	419	447	526,072	6,753	1.30%	
New Mexico	1,303,302	2	3	1	512,521	21,066	425	591	434,434	-84,885	-16.35%	
New York	17,558,165	39	34	-5	524,240	23,841	435	446	516,417	-2,902	-0.56%	
North Carolina	5,880,095	11	11	0	142,306	389,886	406	442	534,554	15,235	2.93%	
North Dakota	652,717	1	1	0			at large	489	652,717	133,398	25.69%	
Ohio	10,797,603	23	21	-2	469,278	69,641	434	450	514,172	-5,147	-0.99%	
Oklahoma	3,025,487	6	6	0	371,606	158,319	415	484	504,248	-15,071	-2.90%	
Oregon	2,633,156	4	5	1	237,911	292,123	385	471	526,631	7,312	1.41%	
Pennsylvania	11,864,720	25	23	-2	450,786	89,532	432	449	515,857	-3,462	-0.67%	
Rhode Island	947,154	2	2	0	336,827	206,855	338	575	473,577	-45,742	-8.81%	
South Carolina	3,120,729	6	6	0	276,364	253,561	396	469	520,122	802	0.15%	
South Dakota	690,768	2	1	-1			at large	462	690,768	171,449	33.01%	
Tennessee	4,591,023	8	9	1	381,811	149,225	422	467	510,114	-9,205	-1.77%	
Texas	14,225,513	24	27	3	187,129	356,002	424	441	526,871	7,552	1.45%	
Utah	1,461,037	2	3	1	354,786	178,801	381	531	487,012	-32,307	-6.22%	
Vermont	511,456	1	1	0			at large	613	511,456	-7,863	-1.51%	
Virginia	5,346,797	10	10	0	150,878	380,716	401	444	534,680	15,361	2.96%	
Washington	4,132,353	7	8	1	315,485	215,055	416	464	516,544	-2,775	-0.53%	
West Virginia	1,950,186	4	4	0	394,031	136,830	403	514	487,547	-31,773	-6.12%	
Wisconsin	4,705,642	9	9	0	267,192	263,844	413	457	522,849	3,530	0.68%	
Wyoming	469,557	1	1	0			at large	657	469,557	-49,762	-9.58%	
Washington DC		0										
US Total	225,903,767		435						519,319			
			435						Median =	517,236		
Other Inputs:	Seats to Apportion								Min =	393,345	-125,974	-24.26
	435 Max Seats to Calculate								Max =	690,768	171,449	33.01
	50 States								Total Dev			57.27
	50											
<input type="checkbox"/>	Include Washington DC								At Large States only			
									Min =	401,851	-117,468	-22.62
									Max =	690,768	171,449	33.01
									Total Dev			55.63
									Multiple District States only			
									Min =	393,345	-125,974	-24.26
									Max =	571,589	52,270	10.07
									Total Dev			34.32