

VITA

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Kimball Brace is the president of Election Data Services Inc., a consulting firm that specializes in redistricting, election administration, and the analysis and presentation of census and political data. Mr. Brace graduated from the American University in Washington, D.C., (B.A., Political Science) in 1974 and founded Election Data Services in 1977.

Redistricting Consulting

Activities include software development; construction of geographic, demographic, or election databases; development and analysis of alternative redistricting plans; general consulting, and onsite technical assistance with redistricting operations.

Congressional and Legislative Redistricting

Arizona Independent Redistricting Commission: Election database, 2001

Arizona Legislature, Legislative Council: Election database, 2001

Colorado General Assembly, Legislative Council: Geographic, demographic, and election databases, 1990–91

Connecticut General Assembly

- Joint Committee on Legislative Management: Election database, 2001; and software, databases, general consulting, and onsite technical assistance, 1990–91
- Senate and House Democratic Caucuses: Demographic database and consulting, 2001

Florida Legislature, House of Rep.: Geographic, demographic, and election databases, 1989–92

Illinois General Assembly

- Speaker of House and Senate Minority Leader: Software, databases, general consulting, and onsite technical assistance, 2000–02
- Speaker of House and President of Senate: Software, databases, general consulting, and onsite technical assistance, 1990–92, and 1981–82

Iowa General Assembly, Legislative Service Bureau and Legislative Council: Software, databases, general consulting, and onsite technical assistance, 2000–01 and 1990–91

Kansas Legislature: Databases and plan development (state senate and house districts), 1989

Massachusetts General Court

- Senate Democratic caucus: Election database and general consulting, 2001–02
- Joint Reapportionment Committees: Databases and plan development (cong., state senate, and state house districts), 1991–93

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(Redistricting Consulting, cont.)

Michigan Legislature: Geographic, demographic, and election databases, 1990–92; databases and plan development (cong., state senate, and state house districts), 1981–82

Missouri Redistricting Commission: General consulting, 1991–92

Commonwealth of Pennsylvania: General consulting, 1992

Rhode Island General Assembly and Reapportionment Commissions

- Software, databases, plan development, and onsite assistance (cong., state senate, and state house districts), 2001–02 and 1991–92
- Databases and plan development (state senate districts), 1982–83

State of South Carolina: Plan development and analysis (senate), U.S. Dept. of Justice, 1983–84

Local Government Redistricting

Orange County, Calif.: Plan development (county board), 1991–92

City of Bridgeport, Conn.: Databases and plan development (city council), 2002–03

Cook County, Ill.: Software, databases, and general consulting (county board), 2001–02, 1992–1993, and 1989

Lake County, Ill.: Databases and plan development (county board), 1981

City of Chicago, Ill.: Software, databases, general consulting, and onsite technical assistance (city wards), 2001–02 and 1991–92

City of North Chicago, Ill.: Databases and plan development (city council), 1991 and 1983

City of Annapolis, Md.: Databases and plan development (city council), 1984

City of Boston, Mass.: Databases and plan development (city council), 1993

City of New Rochelle, N.Y.: Databases and plan development (city council), 1991–92

City of New York, N.Y.: Databases and plan development (city council), 1990–91

Cities of Pawtucket, Providence, East Providence, and Warwick, and town of North Providence, R.I.: Databases and plan development (city wards and voting districts), 2002

City of Woonsocket and towns of Charlestown, Lincoln, and Westerly, R.I.: Databases and plan development (voting districts), 2002; also Westerly 1993

City of Houston, Tex.: Databases and plan development (city council), 1979 — recommended by U.S. Department of Justice

City of Norfolk, Va.: Databases and plan development (city council), 1983–84 — for Lawyers' Committee for Civil Rights

Virginia Beach, Va.: Databases and plan development (city council), 2001–02, 1995, and 1993

Other Activities

International Foundation for Electoral Systems (IFES) and U.S. Department of State: redistricting seminar, Almaty, Kazakhstan, 1995

Library of Congress, Congressional Research Service: Consulting on reapportionment, redistricting, voting behavior and election administration

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Election Administration Consulting

Activities include seminars on election administration topics and studies on voting behavior, voting equipment, and voter registration systems.

U.S. Election Assistance Commission (EAC): Compile, analyze, and report the results of a survey distributed to state election directors during FY–2007. Survey results were presented in the following reports of the EAC: *The Impact of the National Voter Registration Act of 1993 on the Administration of Elections for Federal Office, 2005–2006, A Report to the 110th Congress*, June 30, 2007; *Uniformed and Overseas Citizens Absentee Voting Act (UOCAVA), Survey Report Findings*, September, 2007; and *The 2006 Election Administration and Voting Survey, A Summary of Key Findings*, December, 2007.

U.S. Election Assistance Commission (EAC): Compile, analyze, and report the results of three surveys distributed to state election directors during FY–2005: Election Day, Military and Overseas Absentee Ballot (UOCAVA), and Voter Registration (NVRA) Surveys. Survey results were presented in the following reports: *Final Report of the 2004 Election Day Survey*, by Kimball W. Brace and Dr. Michael P. McDonald, September 27, 2005; and *Impact of the National Voter Registration Act of 1993 on the Administration of Elections for Federal Office, 2003–2004, A Report to the 109th Congress*, June 30, 2005.

Rhode Island Secretary of State: Verification of precinct and district assignment codes in municipal registered voter files and production of street files for a statewide voter registration database, 2004–2006 and 2008–present.

District of Columbia, Board of Elections and Ethics (DCBOEE): Verification of election ward, Advisory Neighborhood Commission (ANC), and Single-Member District (SMD) boundaries and production of a new street locator, 2003. Similar project, 1993.

Harris County, Tex.: Analysis of census demographics to identify precincts with language minority populations requiring bilingual assistance, 2002–03

Cook County, Ill., Election Department and Chicago Board of Election Commissioners:

- Analysis of census demographics to identify precincts with language minority populations requiring bilingual assistance, 2002–03
- Study on voting equipment usage and evaluation of punch card voting system, 1997

Library of Congress, Congressional Research Service: Nationwide, biannual studies on voter registration and turnout rates, 1978–2002

U.S. General Accounting Office (GAO), U.S. Dept. of Justice, and numerous voting equipment vendors and media: Data on voting equipment usage throughout the United States, 1980–present

Needs assessments and systems requirement analyses for the development of statewide voter registration systems:

- Illinois State Board of Elections: 1997
- North Carolina State Board of Elections, 1995
- Secretary of Commonwealth of Pennsylvania, 1996

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Federal Election Commission, Office of Election Administration:

- Study on integrating local voter registration databases into statewide systems, 1995
- Nationwide workshops on election administration topics, 1979–80
- Study on use of statistics by local election offices, 1978–79

Cuyahoga County, Ohio, Board of Elections: Feasibility study on voting equipment, 1979

Winograd Commission, Democratic National Committee: Analysis of voting patterns, voter registration and turnout rates, and campaign expenditures from 1976 primary elections

Mapping and GIS

Activities include mapping and GIS software development (geographic information systems) for election administration and updating TIGER/Line files for the decennial census.

2000 Census Transportation Planning Package (CTPP), 1998–99: GIS software for the U.S.

Department of Transportation to distribute to 400 metropolitan planning organizations (MPOs) and state transportation departments for mapping traffic analysis zones (TAZs) for the 2000 census; provided technical software support to MPOs

Census 2000 Redistricting Data Program, Block Boundary Suggestion Project (Phase 1) and Voting District Project (Phase 2), 1995–99: GIS software and provided software, databases, and technical software support to the following program participants:

- Alaska Department of Labor
- Connecticut Joint Committee on Legislative Management
- Illinois State Board of Elections
- Indiana Legislative Services Agency
- Iowa Legislative Service Bureau
- New Mexico Legislative Council Service
- Rhode Island General Assembly
- Virginia Division of Legislative Services

Developed PRECIS[®] Precinct Information System—GIS software to delineate voting precinct boundaries—and delivered software, databases, and technical software support to the following state and local election organizations (with date of installation):

- Cook County, Ill., Department of Elections (1993)
- Marion County, Fla., Supervisor of Elections (1995)
- Berks County Clerk, Penn. (1995)
- Hamilton County, Ohio, Board of Elections (1997)
- Brevard County, Fla., Supervisor of Elections (1999)
- Osceola County, Fla., Supervisor of Elections (1999)
- Multnomah County, Ore, Elections Division (1999)
- Chatham County, Ga., Board of Elections (2000)
- City of Chicago, Ill., Board of Election Commissioners (2000)
- Mahoning County, Ohio, Board of Elections (2000)
- Iowa Secretary of State, Election and Voter Registrations Divisions (2001)
- Woodbury County, Iowa, Elections Department (2001)
- Franklin County, Ohio, Board of Elections (2001)
- Cobb County, Ga., Board of Elections and Voter Registration (2002)

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Illinois State Board of Elections, Chicago Board of Election Commissioners, and Cook County Election Department: Detailed maps of congressional, legislative, judicial districts, 1992

Associated Press: Development of election night mapping system, 1994

Litigation Support

Activities include data analysis, preparation of court documents and expert witness testimony. Areas of expertise include the census, demographic databases, district compactness and contiguity, racial bloc voting, communities of interest, and voting systems. Redistricting litigation activities also include database construction and the preparation of substitute plans.

United States of America v. Osceola County, Florida, (2006), county commissioner districts.

Indiana Democratic Party, et al., v. Todd Rokita, et al. (2005), voter identification.

Linda Shade v. Maryland State Board of Elections (2004), electronic voting systems

Gongaley v. City of Aurora, Ill. (2003), city council districts

State of Indiana v. Sadler (2003), ballot design (city of Indianapolis-Marion County, Ind.)

Peterson v. Borst (2002–03), city-council districts (city of Indianapolis-Marion County, Ind.)

New Rochelle Voter Defense Fund v. City of New Rochelle, City Council of New Rochelle, and Westchester County Board Of Elections (2003), city council districts (New York)

Charles Daniels and Eric Torres v. City of Milwaukee Common Council (2003), council districts (Wisconsin)

The Louisiana House of Representatives v. Ashcroft (2002–03), state house districts

Camacho v. Galvin and *Black Political Caucus v. Galvin* (2002–03), state house districts (Massachusetts)

Latino Voting Rights Committee of Rhode Island, et al., v. Edward S. Inman, III, et al. (2002–03), state senate districts

Metts, v. Harmon, Almond, and Harwood, et al. (2002–03), state senate districts (Rhode Island)

Joseph F. Parella, et al. v. William Irons, et al. (2002–03), state senate districts (Rhode Island)

Jackson v. County of Kankakee (2001–02), county commissioner districts (Illinois)

Corbett, et al., v. Sullivan, et al. (2002), commissioner districts (St Louis County, Missouri)

Harold Frank, et al., v. Forest County, et al. (2001–02), county commissioner districts (Wisc.)

Albert Gore, Jr., et al., v. Katherine Harris as Secretary of State, State of Florida, et al., and The Miami Dade County Canvassing Board, et al., and The Nassau County Canvassing Board, et al., and The Palm Beach County Canvassing Board, et al., and George W. Bush, et al (2000), voting equipment design — Leon County, Fla., Circuit Court hearing, December 2, 2000, on disputed ballots in Broward, Volusia, Miami-Dade, and Palm Beach counties from the November 7, 2000, presidential election.

Barnett v. Daley/PACI v. Daley/Bonilla v. Chicago City Council (1992–98), city wards

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(Litigation Support, cont.)

Donald Moon, et al. v. M. Bruce Meadows, etc and Curtis W. Harris, et al. (1996–98), congressional districts (Virginia)

Melvin R. Simpson, et al. v. City of Hampton, et al. (1996–97), city council districts (Va.)

In the Matter of the Redistricting of Shawnee County Kansas and Kingman, et al. v. Board of County Commissioners of Shawnee County, Kansas (1996), commissioner districts

Vecinos de Barrio Uno v. City of Holyoke (1992–96), city council districts (Massachusetts)

Torres v. Cuomo (1992–95), congressional districts (New York)

DeGrandy v. Wetherell (1992–94), congressional, senate, and house districts (Florida)

Johnson v. Miller (1994), congressional districts (Georgia)

Jackson, et al v Nassau County Board of Supervisors (1993), form of government (N.Y.)

Gonzalez v. Monterey County, California (1992), county board districts

LaPaille v. Illinois Legislative Redistricting Commission (1992), senate and house districts

Black Political Task Force v. Connolly (1992), senate and house districts (Massachusetts)

Nash v. Blunt (1992), house districts (Missouri)

Fund for Accurate and Informed Representation v. Weprin (1992), assembly districts (N.Y.)

Mellow v. Mitchell (1992), congressional districts (Pennsylvania)

Phillip Langsdon v. Milsaps (1992), house districts (Tennessee)

Smith v. Board of Supervisors of Brunswick County (1992), supervisor districts (Virginia)

People of the State of Illinois ex. rel. Burris v. Ryan (1991–92), senate and house districts

Good v. Austin (1991–92), congressional districts (Michigan)

Neff v. Austin (1991–92), senate and house districts (Michigan)

Hastert v. Illinois State Board of Elections (1991), congressional districts

Republican Party of Virginia et al. v. Wilder (1991), senate and house districts

Jamerson et al. v. Anderson (1991), senate districts (Virginia)

Ralph Brown v. Iowa Legislative Services Bureau (1991), redistricting database access

Williams, et al. v. State Board of Election (1989), judicial districts (Cook County, Ill.)

Fifth Ward Precinct 1A Coalition and Progressive Association v. Jefferson Parish School Board (1988–89), school board districts (Louisiana)

Michael V. Roberts v. Jerry Wamser (1987–89), St. Louis, Mo., voting equipment

Brown v. Board of Commissioners of the City of Chattanooga, Tenn. (1988), county commissioner districts

Business Records Corporation v. Ransom F. Shoup & Co., Inc. (1988), voting equip. patent

East Jefferson Coalition for Leadership v. The Parish of Jefferson (1987–88), parish council districts (Louisiana)

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(Litigation Support, cont.)

Buckanaga v. Sisseton School District (1987–88), school board districts (South Dakota)

Griffin v. City of Providence (1986–87), city council districts (Rhode Island)

United States of America v. City of Los Angeles (1986), city council districts

Latino Political Action Committee v. City of Boston (1984–85), city council districts

Ketchum v. Byrne (1982–85), city council districts (Chicago, Ill.)

State of South Carolina v. United States (1983–84), senate districts — U.S. Dept. of Justice

Collins v. City of Norfolk (1983–84), city council districts (Virginia) — for Lawyers' Committee for Civil Rights

Rybicki v. State Board of Elections (1981–83), senate and house districts (Illinois)

Licht v. State of Rhode Island (1982–83), senate districts (Rhode Island)

Agerstrand v. Austin (1982), congressional districts (Michigan)

Farnum v. State of Rhode Island (1982), senate districts (Rhode Island)

In Re Illinois Congressional District Reapportionment Cases (1981), congressional districts

Publications

"EAC Survey Sheds Light on Election Administration", *Roll Call*, October 27, 2005 (with Michael McDonald)

Developing a Statewide Voter Registration Database: Procedures, Alternatives, and General Models, by Kimball W. Brace and M. Glenn Newkirk, edited by William Kimberling, (Washington, D.C.: Federal Election Commission, Office of Election Administration, Autumn 1997).

The Election Data Book: A Statistical Portrait of Voting in America, 1992, Kimball W. Brace, ed., (Bernan Press, 1993)

"Geographic Compactness and Redistricting: Have We Gone Too Far?", presented to Midwestern Political Science Association, April 1993 (with D. Chapin and R. Niemi)

"Whose Data is it Anyway: Conflicts between Freedom of Information and Trade Secret Protection in Redistricting", *Stetson University Law Review*, Spring 1992 (with D. Chapin and W. Arden)

"Numbers, Colors, and Shapes in Redistricting," *State Government News*, December 1991 (with D. Chapin)

"Redistricting Roulette," *Campaigns and Elections*, March 1991 (with D. Chapin)

"Redistricting Guidelines: A Summary", presented to the Reapportionment Task Force, National Conference on State Legislatures, November 9, 1990 (with D. Chapin and J. Waliszewski)

"The 65 Percent Rule in Legislative Districting for Racial Minorities: The Mathematics of Minority Voting Equality," *Law and Policy*, January 1988 (with B. Grofman, L. Handley, and R. Niemi)

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"Does Redistricting Aimed to Help Blacks Necessarily Help Republicans?" *Journal of Politics*, February 1987 (with B. Grofman and L. Handley)

"New Census Tools," *American Demographics*, July/August 1980

Professional Activities

Member, 2010 Census Advisory Committee, a 20-member panel advising the Director of the Census on the planning and administration of the 2010 census.

Delegate, Second Trilateral Conference on Electoral Systems (Canada, Mexico, and United States), Ontario, Canada, 1995; and Third Trilateral Conference on Electoral Systems, Washington, D.C., 1996

Member, American Association of Political Consultants

Member, American Association for Public Opinion Research

Member, American Political Science Association

Member, Association of American Geographers, Census Advisory Committee

Member Board of Directors, Association of Public Data Users

Member, National Center for Policy Alternatives, Voter Participation Advisory Committee

Member, Urban and Regional Information Systems Association

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New Population Estimates Show Additional Changes For 2009 Congressional Apportionment, With Many States Sitting Close to the Edge for 2010

New Census Bureau population estimates released today show new changes are likely for three more states in their congressional representation, with major emphasis on losses in the Midwest and gains in the South and Far West, compared to last year's population release. However, trends contained in the new data point towards more twists in population growth over the remaining nine months between the date of the data and Census day on April 1, 2010. The trends lead to a variety of potential scenarios by the time apportionment happens in 2010.

The 2009 population estimates shift two more congressional seats between four states than what was reported in last year's study of the 2008 estimates (see Election Data Services Inc., "[New Population Estimates Show Slight Changes For 2008 Congressional Apportionment, But Point to Major Changes for 2010](#)" December 22, 2008). The states of **Illinois** and **Ohio** have lost or not gained as much population as earlier in the decade, and now have lost a congressional seat in the new study. The two seats shift to **South Carolina** and **Washington** (both states gain the seats by roughly 25,000 people to spare).

Overall, the new 2009 estimates show that ten congressional seats in 17 states have already changed at this point in the decade, if a new apportionment was made with the updated numbers. Seven states—**Arizona, Florida, Georgia, Nevada, South Carolina, Utah** and **Washington**—would each gain a seat and **Texas** would gain three seats if the U.S. House of Representatives were reapportioned with census population estimates for July 1, 2009, according to Election Data Services' analysis. Eight states would lose single seats—**Illinois, Iowa, Louisiana, Massachusetts, Michigan, New Jersey, New York,** and **Pennsylvania**, while the state of **Ohio** now stands to lose two seats. *Table A* in this report shows the apportionment distribution for the 2009 estimates.

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The 2009 estimates bring the data one year closer to the official census that will be taken in 2010, just 99 days away. The new information has allowed Election Data Services, Inc. to generate 2010 population projections based on several different models of change that are apparent in the newly released data. First, there is a "long-term" trend model that reflects the overall change that has occurred so far this decade; that is from 2000 to 2009, and projects it forward nine months to correspond to census day on April 1, 2010. Second, there are four "mid-term" trend models that use the population change that has occurred from 2004 to 2009, from 2005 to 2009, from 2006 to 2009, and from 2007 to 2009. Finally, a "short-term" trend model incorporates the change that has occurred in just the past year, from 2008 to 2009, and carries that rate of change forward to 2010. The Census Bureau's state population estimates released today included updates to previous year's estimates in this decade. *Table B* and *C* in this report show the Bureau's yearly population estimates for this decade (*B*) and the results of the various trended population data (*C*).

All six trend models contain subtle changes for each state, and impacts where they fall in the apportionment ranking for the 435 seats in Congress. Four additional states could find their delegation size change with the 2010 projections, compared to the 2009 estimates. The state of **Arizona** could pick up a second seat under the models that look towards the longest trend in population change, but they stand to just gain a single seat with data that's focused on the most immediate past. The state of **California** has the potential for losing a congressional seat for the first time since they became a state nearly 150 years ago. Two models show them losing a seat, while the other four models find them staying unchanged. **Minnesota** just barely keeps all eight of their congressional seats with the 2009 data, but all six models point to them losing one of the seats by Census day next year. Finally, the state of **Texas** would gain a fourth additional seat in five of the six models, but stay at only three additional seats when the longest term trend (where change for the entire decade is taking into account) is used. *Table D* summarizes the apportionment changes by state for the various estimates over the decade, as well as the trend projections.

"We were actually surprised that the new numbers didn't show even more change in apportionment, given the housing market downturn in the past two years and the onset of the recession this last year," said Kimball Brace, President of Election Data Services, Inc. "Twenty-one states and the District of Columbia actually increased their rate of change this past year compared to the year before," Brace noted. *Table C-2* in this report shows the rate of change for each year's population estimates compared to the year before.

Differences between the states and changes between the different models within a single state give important clues to population shifts that are occurring in the nation and which can have a strong impact on the apportionment process. Both **Arizona** and **Nevada** have steadily declined in their population growth over the decade and **Arizona**'s lower growth rate has impacted whether it will gain a second seat next year. **Nevada**, on the other hand, has enough population to keep its' additional seat. The Bureau's data shows that three states (**Maine**, **Michigan** and **Rhode Island**) actually lost population in 2009 compared to 2008. **Rhode Island**'s loss puts it closer to the potential of losing one of their two congressional districts. The state has the nation's smallest populated districts.

2010 Projections

All of the future population projections add one or two states to the list of states slated to gain and lose congressional seats that have been documented with the release of the 2009 estimates, above. In addition, one or two seats get added to the mix of districts that are likely to change by 2010. See *Table D*. A surprise occurs with the State of **Oregon**, which appeared in 2008 to have enough population to gain an additional congressional seat in 2010 based on some of the projection models. However, the 2009 data indicates the state did not gain enough population to gain the seat in any of the new models. The state missed the cut off for a new seat by just 15- to 22-thousand persons. The additional seat appears to have gone to its northern neighbor, the State of **Washington**. **Florida's** population slowdown appears to keep it from gaining a second additional seat this decade as had been earlier projected. Change for the State of **North Carolina** is more tentative; all six models now show the state will just miss gaining an additional seat next year. Earlier estimates and studies had pointed to **Missouri** as potentially losing a congressional seat, but the new data finds the state just barely keeping the district, with anywhere from 5- to 14-thousand people to spare.

The "long-term" trend model shows a total of 11 congressional seats would change in 2010, affecting 18 states (8 as gainers and 10 as losers). The "mid-term" models would change 11 or 12 congressional seats and impact 18 to 19 states, while the "short-term" model has 11 seats changing in 18 states. *Table D* attached to this press release summarizes apportionment changes over the current decade, as well as the six projection models for 2010.

The Census Bureau released 2010 population projections in July 2005, and the projections were the subject of an earlier Election Data Services study. "Those projections, however, were created before Katrina, and do not reflect the population changes for **Louisiana** that have been released in the past two years," said Brace. At that time, the study projected that 10 congressional seats would be changed in 2010, affecting 15 states.

The 2009 population estimates have not been statistically adjusted for any known undercount. No estimates were provided for U.S. military personnel overseas. This component has in the past been counted by the Census Bureau and allocated to the states. Overseas military personnel have been a factor in the apportionment formula for the past several decades, including the switching of the final seat in 2000 that went from **Utah** to **North Carolina**. As part of its research for this study, Election Data Services took the 2000 military overseas counts and added them to the Census Bureau's 2009 population estimates. However, there were no changes in the state allocations of congressional seats with the military overseas population added to the 2009 study.

The 2009 reapportionment analysis shows the margins by which congressional seats were allocated to the states, compared to the last congressional reapportionment in 2001 after the 2000 census. In the 2009 analysis, the last seat in the 435-member House would go to **Washington**, which gains its 10th congressional seat by a margin of only 24,592 people to spare. **Minnesota** received seat number 434 in the 2009 study, holding onto its last (and 8th) seat by just 28,825 people. However, that seat was lost when the data was moved forward to 2010. **Ohio**, in position no. 436, would be next in line to gain back one of their two projected lost congressional

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seats, but missed that by a margin of just 42,752 people. The 2009 data showed **Florida** would have received seat number 437, just missing the gain of a second additional seat by 74,115 people.

2009 Reapportionment Analysis			
2008 Population Estimates		2000 Census Population	
Last Five Seats	Margin of Gain	Last Five Seats	Margin of Gain
431 Missouri (9th)	48,939	431 Iowa (5th)	44,338
432 California (53rd)	219,859	432 Florida (25th)	212,934
433 South Carolina (7th)	25,530	433 Ohio (18th)	79,688
434 Minnesota (8 th)	28,825	434 California (53rd)	33,942
435 Washington (10 th)	24,592	435 North Carolina (13th)	3,087
Next Seats	Margin of Loss	Next Seats	Margin of Loss
436 Ohio (17 th)	42,752	436 Utah (4th)	856
437 Florida (27th)	74,115	437 New York (30th)	47,249
438 Oregon (6th)	21,918	438 Texas (33rd)	86,272
439 Texas (36 th)	152,833	439 Michigan (16th)	50,888
440 Illinois (19 th)	80,499	440 Indiana (10th)	37,056

The detailed 2010 projection reapportionment analysis is shown in *Table E* for the "long-term" trend model (2000-2009), in *Table F* for the "mid-term" trend model (2004-2009), *Table G* for the 2005-2009 trend, *Table H* for the 2006-2009 trend, and *Table I* for the 2007-2009 trend. Finally, *Table J* shows the details for the "short-term" trend model (2008-2009).

A review of the last 5 seats/ next 5 seats calculations demonstrates the extreme closeness and volatility inherent in the 2010 population projections. At this point in time there are 16 seats from the same number of states that are vying for the last six seats in the 435 member congressional chamber. Six states are close to gaining an additional seat (**Florida** – 27th; **North Carolina** – 14th; **Oregon** – 6th; **South Carolina** – 7th; **Texas** – 36th and **Washington** – 10th), while six states are very close to losing a seat (**California** – 53rd; **Illinois** – 19th; **Louisiana** – 7th; **Minnesota** – 8th; **Missouri** – 9th; and **New York** – 28th;). *Table J* shows the margin of population needed to gain the seat or the population by which the seat was lost for each of the 2010 population projections under the six different trend models. Some of the margins are very close and reflect the battle to get the last several seats that are handed out in the reapportionment process. "A number of states have much to gain or lose by very small margins in the upcoming Census, which points out the need to have a full and complete count in a number of these states," said Brace

Election Data Services Inc. is a political consulting firm that specializes in redistricting, election administration, and the analysis of census and political data. Election Data Services conducts the congressional apportionment analyses with each annual release of the census population estimates. For more information about the reapportionment analysis, contact Kimball Brace (202.789.2004 or 703-580-7267 or kbrace@electiondataservices.com).

TABLE 4
apportionment1_5_July2009.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,708,708	7	7	0	548,080	172,996	426	489	672,673	36
Alaska	698,473	1	1	0			at large	624	698,473	34
Arizona	6,595,778	8	9	1	68,418	657,137	398	443	732,864	40
Arkansas	2,889,450	4	4	0	252,082	465,010	367	474	722,363	18
California	36,961,664	53	53	0	618,724	219,859	432	446	697,390	24
Colorado	5,024,748	7	7	0	232,040	489,036	400	460	717,821	31
Connecticut	3,518,288	5	5	0	329,287	388,349	394	479	703,658	9
Delaware	885,122	1	1	0			at large	494	885,122	2
Florida	18,537,969	25	26	1	74,115	694,571	425	437	712,999	29
Georgia	9,829,211	13	14	1	350,516	387,373	424	453	702,087	22
Hawaii	1,295,178	2	2	0	425,510	305,405	338	582	647,589	44
Idaho	1,545,801	2	2	0	174,887	556,028	287	486	772,901	11
Illinois	12,910,409	19	18	-1	80,499	667,586	420	440	717,245	28
Indiana	6,423,113	9	9	0	241,083	484,472	408	455	713,679	13
Iowa	3,007,856	5	4	-1	133,676	583,416	355	458	751,964	5
Kansas	2,818,747	4	4	0	322,785	394,307	379	487	704,687	20
Kentucky	4,314,113	6	6	0	238,399	480,737	391	463	719,019	14
Louisiana	4,492,076	7	6	-1	60,436	658,700	377	445	748,679	37
Maine	1,318,301	2	2	0	402,387	328,528	332	569	659,151	30
Maryland	5,699,478	8	8	0	261,160	462,089	406	459	712,435	12
Massachusetts	6,593,587	10	9	-1	70,609	654,946	399	444	732,621	38
Michigan	9,969,727	15	14	-1	210,000	527,889	419	448	712,123	25
Minnesota	5,266,214	8	8	0	694,424	28,825	434	498	658,277	41
Mississippi	2,951,996	4	4	0	189,536	527,556	363	468	737,999	6
Missouri	5,987,580	9	9	0	676,616	48,939	431	484	665,287	39
Montana	974,989	1	1	0			at large	447	974,989	1
Nebraska	1,796,619	3	3	0	636,801	82,281	422	594	598,873	48
Nevada	2,643,085	3	4	1	498,447	218,645	403	521	660,771	3
New Hampshire	1,324,575	2	2	0	396,113	334,802	328	564	662,288	35
New Jersey	8,707,739	13	12	-1	66,082	666,780	407	441	725,645	27
New Mexico	2,009,671	3	3	0	423,749	295,333	376	529	669,890	42
New York	19,541,453	29	28	-1	475,799	298,055	430	450	697,909	19
North Carolina	9,380,884	13	13	0	95,926	639,440	412	442	721,606	32
North Dakota	646,844	1	1	0			at large	663	646,844	43
Ohio	11,542,645	18	16	-2	42,752	700,218	414	436	721,415	26
Oklahoma	3,687,050	5	5	0	160,525	557,111	374	457	737,410	8
Oregon	3,825,657	5	5	0	21,918	695,718	362	438	765,131	7
Pennsylvania	12,604,767	19	18	-1	386,141	361,944	427	451	700,265	16
Rhode Island	1,053,209	2	2	0	667,479	63,436	415	703	526,605	49
South Carolina	4,561,242	6	7	1	695,546	25,530	433	504	651,606	10
South Dakota	812,383	1	1	0			at large	532	812,383	4
Tennessee	6,296,254	9	9	0	367,942	357,613	417	464	699,584	33
Texas	24,782,302	32	35	3	152,833	639,128	428	439	708,066	21
Utah	2,784,572	3	4	1	356,960	360,132	384	496	696,143	47
Vermont	621,760	1	1	0			at large	688	621,760	45
Virginia	7,882,590	11	11	0	188,151	542,233	411	449	716,599	23
Washington	6,664,195	9	10	1	703,350	24,592	435	481	666,420	15
West Virginia	1,819,777	3	3	0	613,643	105,439	416	588	606,592	46
Wisconsin	5,654,774	8	8	0	305,864	417,385	410	461	706,847	17
Wyoming	544,270	1	1	0			at large	778	544,270	50
Washington DC	599,657	0								
Other Inputs:			435					Median =	705,767	
Seats to Apportion								Min =	526,605	
435 Max Seats to Calculate								Max =	974,989	
75 States										
50										
<input type="checkbox"/> Include Washington DC										

STATE	NAME	CENSUS2000 POP	ESTIMATESB ASE2000	POPESTIMA TE2000	POPESTIMAT E2001	POPESTIMAT E2002	POPESTIMAT E2003	POPESTIMAT E2004	POPESTIMAT E2005	POPESTIMAT E2006	POPESTIMAT E2007	POPESTIMAT E2008	POPESTIMAT E2009
0	United States	281,421,906	281,424,602	282,171,957	285,081,556	287,803,914	290,326,418	293,045,739	295,753,151	298,593,212	301,579,895	304,374,846	307,006,550
1	Alabama	4,447,100	4,447,382	4,451,849	4,464,034	4,472,420	4,490,591	4,512,190	4,545,049	4,597,688	4,637,904	4,677,464	4,708,708
2	Alaska	626,932	626,931	627,499	633,316	642,691	650,884	661,569	669,488	677,325	682,297	688,125	698,473
4	Arizona	5,130,632	5,130,607	5,166,697	5,304,417	5,452,108	5,591,206	5,759,425	5,974,834	6,192,100	6,362,241	6,499,377	6,595,778
5	Arkansas	2,673,400	2,673,386	2,678,288	2,691,068	2,704,732	2,722,291	2,746,161	2,776,221	2,815,097	2,842,194	2,867,764	2,889,450
6	California	33,871,648	33,871,648	33,994,571	34,485,623	34,876,194	35,251,107	35,558,419	35,795,255	35,979,208	36,226,122	36,580,371	36,961,664
8	Colorado	4,301,261	4,302,015	4,328,070	4,433,068	4,504,265	4,548,775	4,599,681	4,660,780	4,753,044	4,842,259	4,935,213	5,024,748
9	Connecticut	3,405,565	3,405,607	3,411,726	3,428,433	3,448,382	3,467,673	3,474,610	3,477,416	3,485,162	3,488,633	3,502,932	3,518,288
10	Delaware	783,600	783,557	786,411	794,620	804,131	814,905	826,639	839,906	853,022	864,896	876,211	885,122
12	Florida	15,982,378	15,982,839	16,047,118	16,353,869	16,680,309	16,981,183	17,375,259	17,783,868	18,088,505	18,277,888	18,423,878	18,537,969
13	Georgia	8,186,453	8,186,781	8,230,161	8,419,594	8,585,535	8,735,259	8,913,676	9,097,428	9,330,086	9,533,761	9,697,838	9,829,211
15	Hawaii	1,211,537	1,211,538	1,211,566	1,218,305	1,228,069	1,239,298	1,252,782	1,266,117	1,275,599	1,276,832	1,287,481	1,295,178
16	Idaho	1,293,953	1,293,955	1,299,551	1,321,170	1,342,149	1,364,109	1,391,718	1,425,862	1,464,413	1,499,245	1,527,506	1,545,801
17	Illinois	12,419,293	12,419,658	12,437,645	12,507,833	12,558,229	12,597,981	12,645,295	12,674,452	12,718,011	12,779,417	12,842,954	12,910,409
18	Indiana	6,080,485	6,080,520	6,091,649	6,124,967	6,149,007	6,181,789	6,214,454	6,253,120	6,301,700	6,346,113	6,388,309	6,423,113
19	Iowa	2,926,324	2,926,380	2,928,184	2,929,424	2,929,264	2,932,799	2,941,358	2,949,450	2,964,391	2,978,719	2,993,987	3,007,856
20	Kansas	2,688,418	2,688,811	2,692,810	2,701,456	2,712,598	2,721,955	2,730,765	2,741,771	2,755,700	2,775,586	2,797,375	2,818,747
21	Kentucky	4,041,769	4,042,288	4,048,903	4,069,191	4,091,330	4,118,627	4,147,970	4,182,293	4,219,374	4,256,278	4,287,931	4,314,113
22	Louisiana	4,468,976	4,468,972	4,468,979	4,460,816	4,466,068	4,474,726	4,489,327	4,497,691	4,240,327	4,376,122	4,451,513	4,492,076
23	Maine	1,274,923	1,274,915	1,277,211	1,284,791	1,293,938	1,303,102	1,308,253	1,311,631	1,314,963	1,317,308	1,319,691	1,318,301
24	Maryland	5,296,486	5,296,544	5,310,579	5,375,033	5,439,913	5,496,708	5,542,659	5,582,520	5,612,196	5,634,242	5,658,655	5,699,478
25	Massachusetts	6,349,097	6,349,119	6,363,015	6,411,730	6,440,978	6,451,637	6,451,279	6,453,031	6,466,399	6,499,275	6,543,595	6,593,587
26	Michigan	9,938,444	9,938,492	9,955,308	10,006,093	10,038,767	10,066,351	10,089,305	10,090,554	10,082,438	10,050,847	10,002,486	9,969,727
27	Minnesota	4,919,479	4,919,492	4,933,958	4,982,813	5,017,458	5,047,862	5,079,344	5,106,560	5,148,346	5,191,206	5,230,567	5,266,214
28	Mississippi	2,844,658	2,844,666	2,848,310	2,853,313	2,858,643	2,867,678	2,886,006	2,900,116	2,897,150	2,921,723	2,940,212	2,951,996
29	Missouri	5,595,211	5,596,684	5,606,065	5,643,986	5,680,852	5,714,847	5,758,444	5,806,639	5,861,572	5,909,824	5,956,335	5,987,580
30	Montana	902,195	902,190	903,293	905,873	909,868	916,750	925,887	934,801	946,230	957,225	968,035	974,989
31	Nebraska	1,711,263	1,711,265	1,713,345	1,717,948	1,725,083	1,733,680	1,742,184	1,751,721	1,760,435	1,769,912	1,781,949	1,796,619
32	Nevada	1,998,257	1,998,260	2,018,211	2,094,509	2,166,214	2,236,949	2,328,703	2,408,804	2,493,405	2,567,752	2,615,772	2,643,085
33	New Hampshire	1,235,786	1,235,791	1,240,446	1,256,879	1,271,163	1,281,871	1,292,766	1,301,415	1,311,894	1,317,343	1,321,872	1,324,575
34	New Jersey	8,414,350	8,414,378	8,430,921	8,489,469	8,544,115	8,583,481	8,611,530	8,621,837	8,623,721	8,636,043	8,663,398	8,707,739
35	New Mexico	1,819,046	1,819,041	1,820,813	1,828,809	1,850,035	1,869,683	1,891,829	1,916,538	1,942,608	1,968,731	1,986,763	2,009,671
36	New York	18,976,457	18,976,811	18,998,044	19,088,978	19,161,873	19,231,101	19,297,933	19,330,891	19,356,564	19,422,777	19,467,789	19,541,453
37	North Carolina	8,049,313	8,046,406	8,079,383	8,203,451	8,316,617	8,416,451	8,531,283	8,669,452	8,866,977	9,064,074	9,247,134	9,380,884
38	North Dakota	642,200	642,195	641,200	636,267	633,617	632,809	636,303	635,365	636,771	638,202	641,421	646,844
39	Ohio	11,353,140	11,353,150	11,363,844	11,396,874	11,420,981	11,445,180	11,464,593	11,475,262	11,492,495	11,520,815	11,528,072	11,542,645
40	Oklahoma	3,450,654	3,450,638	3,453,943	3,464,729	3,484,754	3,498,687	3,514,449	3,532,769	3,574,334	3,612,186	3,644,025	3,687,050
41	Oregon	3,421,399	3,421,437	3,430,891	3,470,382	3,517,111	3,550,180	3,573,505	3,617,869	3,677,545	3,732,957	3,782,991	3,825,657
42	Pennsylvania	12,281,054	12,281,071	12,285,504	12,299,533	12,326,302	12,357,524	12,388,368	12,418,161	12,471,142	12,522,531	12,566,368	12,604,767
44	Rhode Island	1,048,319	1,048,315	1,050,736	1,058,501	1,066,034	1,071,504	1,071,414	1,064,989	1,060,196	1,055,009	1,053,502	1,053,209
45	South Carolina	4,012,012	4,011,832	4,023,570	4,062,701	4,103,934	4,146,474	4,201,306	4,256,199	4,339,399	4,424,232	4,503,280	4,561,242
46	South Dakota	754,844	754,835	755,694	758,983	762,107	766,975	774,283	780,084	788,519	797,035	804,532	812,383
47	Tennessee	5,689,283	5,689,276	5,703,243	5,755,443	5,803,306	5,856,522	5,916,762	5,995,748	6,089,453	6,172,862	6,240,456	6,296,254
48	Texas	20,851,820	20,851,818	20,945,963	21,332,847	21,710,788	22,057,801	22,418,319	22,801,920	23,369,024	23,837,701	24,304,290	24,782,302
49	Utah	2,233,169	2,233,204	2,244,314	2,291,250	2,334,473	2,379,938	2,438,915	2,499,637	2,583,724	2,663,796	2,727,343	2,784,572
50	Vermont	608,827	608,821	609,903	612,153	614,950	616,559	618,145	618,814	619,985	620,460	621,049	621,760
51	Virginia	7,078,515	7,079,048	7,104,533	7,191,304	7,283,541	7,373,694	7,468,914	7,563,887	7,646,996	7,719,749	7,795,424	7,882,590
53	Washington	5,894,121	5,894,143	5,911,122	5,987,785	6,056,187	6,113,262	6,184,289	6,261,282	6,372,243	6,464,979	6,566,073	6,664,195
54	West Virginia	1,808,344	1,808,344	1,806,962	1,798,582	1,799,411	1,802,238	1,803,302	1,803,920	1,807,237	1,811,198	1,814,873	1,819,777
55	Wisconsin	5,363,675	5,363,708	5,374,254	5,408,769	5,446,766	5,476,796	5,511,385	5,541,443	5,571,680	5,601,571	5,627,610	5,654,774
56	Wyoming	493,782	493,783	493,958	492,982	497,069	499,189	502,988	506,242	512,841	523,414	532,981	544,270
11	District of Colu	572,059	572,055	571,744	578,042	579,585	577,777	579,796	582,049	583,978	586,409	590,074	599,657

STATE	NAME	CH00-09 Overall	CH00-09 Yearly	CH04-09	CH05-09	CH06-09	CH07-09	CH08-09	2010P00-09	2010P04-09	2010P05-09	2010P06-09	2010P07-09	2010P08-09	CB Projection 2010 released in 2005
0	United States	9.091%	1.010%	0.953%	0.951%	0.939%	0.900%	0.865%	309,332,166	309,200,436	309,196,848	309,169,149	309,078,164	308,997,394	309,509,911
1	Alabama	5.883%	0.653%	0.871%	0.900%	0.805%	0.763%	0.668%	4,731,765	4,739,470	4,740,499	4,737,133	4,735,665	4,732,298	4,610,360
2	Alaska	11.411%	1.268%	1.116%	1.082%	1.041%	1.185%	1.504%	705,115	704,317	704,143	703,925	704,683	706,351	696,110
4	Arizona	28.557%	3.173%	2.904%	2.598%	2.173%	1.835%	1.483%	6,752,744	6,739,449	6,724,305	6,703,277	6,686,569	6,669,151	6,647,432
5	Arkansas	8.081%	0.898%	1.044%	1.020%	0.880%	0.831%	0.756%	2,908,911	2,912,065	2,911,546	2,908,529	2,907,466	2,905,837	2,881,372
6	California	9.123%	1.014%	0.789%	0.815%	0.910%	1.015%	1.042%	37,242,656	37,180,457	37,187,492	37,213,985	37,243,093	37,250,615	38,126,284
8	Colorado	16.820%	1.867%	1.848%	1.952%	1.905%	1.884%	1.814%	5,095,094	5,094,400	5,098,321	5,096,557	5,095,760	5,093,118	5,042,175
9	Connecticut	3.310%	0.368%	0.251%	0.294%	0.317%	0.425%	0.438%	3,527,989	3,524,922	3,526,042	3,526,648	3,529,503	3,529,855	3,581,460
10	Delaware	12.956%	1.440%	1.415%	1.346%	1.254%	1.169%	1.017%	894,683	894,515	894,056	893,449	892,884	891,873	885,810
12	Florida	15.990%	1.776%	1.338%	1.060%	0.828%	0.711%	0.619%	18,784,937	18,724,046	18,685,359	18,653,127	18,636,887	18,624,067	19,298,203
13	Georgia	20.067%	2.229%	2.054%	2.011%	1.783%	1.549%	1.355%	9,993,539	9,980,647	9,977,457	9,960,668	9,943,438	9,929,075	9,609,602
15	Hawaii	6.904%	0.767%	0.677%	0.574%	0.512%	0.718%	0.598%	1,302,629	1,301,753	1,300,752	1,300,148	1,302,157	1,300,985	1,345,779
16	Idaho	19.463%	2.163%	2.214%	2.103%	1.853%	1.553%	1.198%	1,570,873	1,571,472	1,570,181	1,567,279	1,563,802	1,559,687	1,520,612
17	Illinois	3.954%	0.439%	0.419%	0.465%	0.504%	0.513%	0.525%	12,952,921	12,951,010	12,955,475	12,959,236	12,960,035	12,961,266	12,936,643
18	Indiana	5.635%	0.626%	0.672%	0.680%	0.642%	0.607%	0.545%	6,453,271	6,455,463	6,455,853	6,454,051	6,452,338	6,449,358	6,402,436
19	Iowa	2.786%	0.309%	0.452%	0.495%	0.489%	0.489%	0.463%	3,014,835	3,018,056	3,019,024	3,018,882	3,018,889	3,018,306	3,015,506
20	Kansas	4.848%	0.537%	0.644%	0.702%	0.763%	0.778%	0.764%	2,830,098	2,832,370	2,833,585	2,834,869	2,835,184	2,834,898	2,810,876
21	Kentucky	6.738%	0.747%	0.801%	0.788%	0.748%	0.679%	0.611%	4,338,288	4,340,033	4,339,608	4,338,330	4,336,096	4,333,869	4,272,779
22	Louisiana	0.517%	0.057%	0.012%	-0.031%	1.979%	1.325%	0.911%	4,494,011	4,492,489	4,491,025	4,558,750	4,536,711	4,522,775	4,623,974
23	Maine	3.402%	0.378%	0.154%	0.127%	0.085%	0.038%	-0.105%	1,322,040	1,319,820	1,319,558	1,319,138	1,318,674	1,317,260	1,359,942
24	Maryland	7.609%	0.845%	0.566%	0.524%	0.518%	0.579%	0.721%	5,735,610	5,723,666	5,721,867	5,721,638	5,724,225	5,730,316	5,916,370
25	Massachusetts	3.851%	0.428%	0.441%	0.545%	0.656%	0.726%	0.764%	6,614,744	6,615,404	6,620,515	6,626,009	6,629,467	6,631,367	6,655,912
26	Michigan	0.315%	0.035%	-0.237%	-0.299%	-0.373%	-0.404%	-0.328%	9,972,338	9,952,003	9,947,343	9,941,864	9,939,553	9,945,238	10,446,068
27	Minnesota	7.048%	0.783%	0.736%	0.782%	0.763%	0.722%	0.682%	5,297,144	5,295,276	5,297,085	5,296,356	5,294,748	5,293,131	5,426,827
28	Mississippi	3.773%	0.419%	0.457%	0.447%	0.631%	0.518%	0.401%	2,961,278	2,962,121	2,961,898	2,965,967	2,963,466	2,960,869	2,979,681
29	Missouri	7.013%	0.776%	0.796%	0.779%	0.717%	0.658%	0.525%	6,022,430	6,023,318	6,022,564	6,019,759	6,017,122	6,011,137	5,933,127
30	Montana	8.069%	0.897%	1.061%	1.075%	1.013%	0.928%	0.718%	981,545	982,745	982,848	982,397	981,774	980,242	971,719
31	Nebraska	4.988%	0.554%	0.625%	0.641%	0.685%	0.754%	0.823%	1,804,087	1,805,039	1,805,253	1,805,851	1,806,785	1,807,712	1,773,103
32	Nevada	32.270%	3.585%	2.700%	2.432%	2.001%	1.467%	1.044%	2,714,160	2,696,609	2,691,285	2,682,751	2,672,164	2,663,784	2,694,306
33	New Hampshire	7.185%	0.798%	0.492%	0.445%	0.322%	0.274%	0.204%	1,332,505	1,329,464	1,328,995	1,327,776	1,327,302	1,326,606	1,388,189
34	New Jersey	3.487%	0.387%	0.223%	0.249%	0.325%	0.415%	0.512%	8,733,038	8,722,332	8,724,006	8,728,948	8,734,848	8,741,165	9,028,235
35	New Mexico	10.479%	1.164%	1.246%	1.215%	1.151%	1.040%	1.153%	2,027,222	2,028,448	2,027,982	2,027,016	2,025,343	2,027,050	1,985,000
36	New York	2.977%	0.331%	0.252%	0.272%	0.318%	0.306%	0.378%	19,589,907	19,578,442	19,581,363	19,588,117	19,586,228	19,596,910	19,472,188
37	North Carolina	16.543%	1.843%	1.992%	2.052%	1.932%	1.748%	1.446%	9,510,534	9,521,015	9,525,224	9,516,807	9,503,840	9,482,647	9,364,183
38	North Dakota	0.723%	0.080%	0.331%	0.452%	0.527%	0.677%	0.845%	647,234	648,451	649,035	649,402	650,129	650,946	638,179
39	Ohio	1.669%	0.185%	0.136%	0.147%	0.145%	0.095%	0.126%	11,558,700	11,554,433	11,555,354	11,555,237	11,550,847	11,553,589	11,597,581
40	Oklahoma	6.851%	0.761%	0.982%	1.092%	1.051%	1.036%	1.181%	3,708,101	3,714,212	3,717,241	3,716,118	3,715,706	3,719,700	3,599,681
41	Oregon	11.816%	1.313%	1.411%	1.436%	1.342%	1.242%	1.128%	3,863,322	3,866,149	3,866,855	3,864,176	3,861,283	3,858,017	3,798,140
42	Pennsylvania	2.636%	0.293%	0.349%	0.376%	0.357%	0.328%	0.306%	12,632,453	12,637,794	12,640,281	12,638,531	12,635,808	12,633,654	12,604,103
44	Rhode Island	0.466%	0.052%	-0.340%	-0.277%	-0.220%	-0.085%	-0.028%	1,053,619	1,050,525	1,051,025	1,051,474	1,052,535	1,052,989	1,117,995
45	South Carolina	13.690%	1.522%	1.713%	1.792%	1.704%	1.548%	1.287%	4,613,296	4,619,858	4,622,537	4,619,538	4,614,212	4,605,273	4,459,753
46	South Dakota	7.623%	0.847%	0.984%	1.035%	1.009%	0.963%	0.976%	817,544	818,379	818,690	818,530	818,249	818,329	788,429
47	Tennessee	10.669%	1.185%	1.283%	1.253%	1.132%	0.999%	0.894%	6,352,232	6,356,829	6,355,423	6,349,710	6,343,451	6,338,477	6,241,606
48	Texas	18.850%	2.094%	2.109%	2.171%	2.016%	1.981%	1.967%	25,171,582	25,174,291	25,185,873	25,156,989	25,150,564	25,147,862	24,701,062
49	Utah	24.692%	2.743%	2.835%	2.850%	2.591%	2.267%	2.098%	2,841,864	2,843,769	2,844,087	2,838,687	2,831,916	2,828,394	2,598,558
50	Vermont	2.124%	0.236%	0.117%	0.119%	0.095%	0.105%	0.114%	622,861	622,305	622,315	622,205	622,249	622,294	653,575
51	Virginia	11.359%	1.261%	1.108%	1.053%	1.027%	1.055%	1.118%	7,957,153	7,948,078	7,944,865	7,943,303	7,944,943	7,948,695	8,032,432
53	Washington	13.065%	1.452%	1.552%	1.609%	1.527%	1.541%	1.494%	6,736,750	6,741,767	6,744,603	6,740,527	6,741,203	6,738,886	6,556,526
54	West Virginia	0.632%	0.070%	0.183%	0.220%	0.231%	0.237%	0.270%	1,820,736	1,822,271	1,822,776	1,822,934	1,823,009	1,823,465	1,833,874
55	Wisconsin	5.427%	0.603%	0.520%	0.511%	0.497%	0.475%	0.483%	5,680,346	5,676,842	5,676,458	5,675,857	5,674,915	5,675,245	5,734,961
56	Wyoming	10.225%	1.136%	1.641%	1.878%	2.043%	1.992%	2.118%	548,907	550,971	551,936	552,609	552,403	552,916	521,408
11	District of Colu	4.824%	0.536%	0.685%	0.756%	0.895%	1.130%	1.624%	602,068	602,738	603,058	603,682	604,737	606,961	529,785

TABLE C-2
 apportionment1_5_July2009.xls
 Yearly % Change

STATE	NAME	CENSUS2000 Pop to ESTIMATESB ASE2000	POPESTIMATE 2000 to ESTIMATEBAS E2000	POPESTIMATE 2001 to POPESTIMATE 2000	POPESTIMATE 2002 to POPESTIMATE 2001	POPESTIMATE 2003 to POPESTIMATE 2002	POPESTIMATE2 004 to POPESTIMATE2 003	POPESTIMATE 2005 to POPESTIMATE 2004	POPESTIMATE2 006 to POPESTIMATE2 005	POPESTIMATE 2007 to POPESTIMATE 2006	POPESTIMATE 2008 to POPESTIMATE 2007	POPESTIMATE 2009 to POPESTIMATE 2008
0	United States	0.001%	0.266%	1.031%	0.955%	0.876%	0.937%	0.924%	0.960%	1.000%	0.927%	0.865%
1	Alabama	0.006%	0.100%	0.274%	0.188%	0.406%	0.481%	0.728%	1.158%	0.875%	0.853%	0.668%
2	Alaska	0.000%	0.091%	0.927%	1.480%	1.275%	1.642%	1.197%	1.171%	0.734%	0.854%	1.504%
4	Arizona	0.000%	0.703%	2.666%	2.784%	2.551%	3.009%	3.740%	3.636%	2.748%	2.155%	1.483%
5	Arkansas	-0.001%	0.183%	0.477%	0.508%	0.649%	0.877%	1.095%	1.400%	0.963%	0.900%	0.756%
6	California	0.000%	0.363%	1.445%	1.133%	1.075%	0.872%	0.666%	0.514%	0.686%	0.978%	1.042%
8	Colorado	0.018%	0.606%	2.426%	1.606%	0.988%	1.119%	1.328%	1.980%	1.877%	1.920%	1.814%
9	Connecticut	0.001%	0.180%	0.490%	0.582%	0.559%	0.200%	0.081%	0.223%	0.100%	0.410%	0.438%
10	Delaware	-0.005%	0.364%	1.044%	1.197%	1.340%	1.440%	1.605%	1.562%	1.392%	1.308%	1.017%
12	Florida	0.003%	0.402%	1.912%	1.996%	1.804%	2.321%	2.352%	1.713%	1.047%	0.799%	0.619%
13	Georgia	0.004%	0.530%	2.302%	1.971%	1.744%	2.042%	2.061%	2.557%	2.183%	1.721%	1.355%
15	Hawaii	0.000%	0.002%	0.556%	0.801%	0.914%	1.088%	1.064%	0.749%	0.097%	0.834%	0.598%
16	Idaho	0.000%	0.432%	1.664%	1.588%	1.636%	2.024%	2.453%	2.704%	2.379%	1.885%	1.198%
17	Illinois	0.003%	0.145%	0.564%	0.403%	0.317%	0.376%	0.231%	0.344%	0.483%	0.497%	0.525%
18	Indiana	0.001%	0.183%	0.547%	0.392%	0.533%	0.528%	0.622%	0.777%	0.705%	0.665%	0.545%
19	Iowa	0.002%	0.062%	0.042%	-0.005%	0.121%	0.292%	0.275%	0.507%	0.483%	0.513%	0.463%
20	Kansas	0.015%	0.149%	0.321%	0.412%	0.345%	0.324%	0.403%	0.508%	0.722%	0.785%	0.764%
21	Kentucky	0.013%	0.164%	0.501%	0.544%	0.667%	0.712%	0.827%	0.887%	0.875%	0.744%	0.611%
22	Louisiana	0.000%	0.000%	-0.183%	0.118%	0.194%	0.326%	0.186%	-5.722%	3.202%	1.723%	0.911%
23	Maine	-0.001%	0.180%	0.593%	0.712%	0.708%	0.395%	0.258%	0.254%	0.178%	0.181%	-0.105%
24	Maryland	0.001%	0.265%	1.214%	1.207%	1.044%	0.836%	0.719%	0.532%	0.393%	0.433%	0.721%
25	Massachusetts	0.000%	0.219%	0.766%	0.456%	0.165%	-0.006%	0.027%	0.207%	0.508%	0.682%	0.764%
26	Michigan	0.000%	0.169%	0.510%	0.327%	0.275%	0.228%	0.012%	-0.080%	-0.313%	-0.481%	-0.328%
27	Minnesota	0.000%	0.294%	0.990%	0.695%	0.606%	0.624%	0.536%	0.818%	0.833%	0.758%	0.682%
28	Mississippi	0.000%	0.128%	0.176%	0.187%	0.316%	0.639%	0.489%	-0.102%	0.848%	0.633%	0.401%
29	Missouri	0.026%	0.168%	0.676%	0.653%	0.598%	0.763%	0.837%	0.946%	0.823%	0.787%	0.525%
30	Montana	-0.001%	0.122%	0.286%	0.441%	0.756%	0.997%	0.963%	1.223%	1.162%	1.129%	0.718%
31	Nebraska	0.000%	0.122%	0.269%	0.415%	0.498%	0.491%	0.547%	0.497%	0.538%	0.680%	0.823%
32	Nevada	0.000%	0.998%	3.780%	3.423%	3.265%	4.102%	3.440%	3.512%	2.982%	1.870%	1.044%
33	New Hampshire	0.000%	0.377%	1.325%	1.136%	0.842%	0.850%	0.669%	0.805%	0.415%	0.344%	0.204%
34	New Jersey	0.000%	0.197%	0.694%	0.644%	0.461%	0.327%	0.120%	0.022%	0.143%	0.317%	0.512%
35	New Mexico	0.000%	0.097%	0.439%	1.161%	1.062%	1.184%	1.306%	1.360%	1.345%	0.916%	1.153%
36	New York	0.002%	0.112%	0.479%	0.382%	0.361%	0.348%	0.171%	0.133%	0.342%	0.232%	0.378%
37	North Carolina	-0.036%	0.410%	1.536%	1.379%	1.200%	1.364%	1.620%	2.278%	2.223%	2.020%	1.446%
38	North Dakota	-0.001%	-0.155%	-0.769%	-0.416%	-0.128%	0.552%	-0.147%	0.221%	0.225%	0.504%	0.845%
39	Ohio	0.000%	0.094%	0.291%	0.212%	0.212%	0.170%	0.093%	0.150%	0.246%	0.063%	0.126%
40	Oklahoma	0.000%	0.096%	0.312%	0.578%	0.400%	0.451%	0.521%	1.177%	1.059%	0.881%	1.181%
41	Oregon	0.001%	0.276%	1.151%	1.347%	1.649%	0.657%	1.241%	1.649%	1.507%	1.340%	1.128%
42	Pennsylvania	0.000%	0.036%	0.114%	0.218%	0.253%	0.250%	0.240%	0.427%	0.412%	0.350%	0.306%
44	Rhode Island	0.000%	0.231%	0.696%	0.755%	0.513%	-0.008%	-0.600%	-0.450%	-0.489%	-0.143%	-0.028%
45	South Carolina	-0.004%	0.293%	0.973%	1.015%	1.037%	1.322%	1.307%	1.955%	1.955%	1.787%	1.287%
46	South Dakota	-0.001%	0.114%	0.435%	0.412%	0.639%	0.953%	0.749%	1.081%	1.080%	0.941%	0.976%
47	Tennessee	0.000%	0.245%	0.915%	0.832%	0.917%	1.029%	1.335%	1.563%	1.370%	1.095%	0.894%
48	Texas	0.000%	0.451%	1.847%	1.772%	1.598%	1.634%	1.711%	2.487%	2.006%	1.957%	1.967%
49	Utah	0.002%	0.497%	2.091%	1.886%	1.948%	2.478%	2.490%	3.364%	3.099%	2.386%	2.098%
50	Vermont	-0.001%	0.178%	0.369%	0.457%	0.262%	0.257%	0.108%	0.189%	0.077%	0.095%	0.114%
51	Virginia	0.008%	0.360%	1.221%	1.283%	1.238%	1.291%	1.272%	1.099%	0.951%	0.980%	1.118%
53	Washington	0.000%	0.288%	1.297%	1.142%	0.942%	1.162%	1.245%	1.772%	1.455%	1.564%	1.494%
54	West Virginia	0.000%	-0.076%	-0.464%	0.046%	0.157%	0.059%	0.034%	0.184%	0.219%	0.203%	0.270%
55	Wisconsin	0.001%	0.197%	0.642%	0.703%	0.551%	0.632%	0.703%	0.546%	0.536%	0.465%	0.483%
56	Wyoming	0.000%	0.035%	-0.198%	0.829%	0.427%	0.761%	0.647%	1.304%	2.062%	1.828%	2.118%
11	District of Colum	-0.001%	-0.054%	1.102%	0.267%	-0.312%	0.349%	0.389%	0.331%	0.416%	0.625%	1.624%

State Released	2000	2002	2003	2004	2005	2006	2007	2008	2009	2010 Proj.	2010 Proj.	2010 Proj.	2010 Proj.	2010 Proj.	2010 Proj.	CB's 2010
	Census Apr-01	Estimates Dec-02	Estimates Dec-03	Estimates Dec-04	Estimates Dec-05	Estimates Dec-06	Estimates Dec-07	Estimates Dec-08	Estimates Dec-09	00-09 Trend Dec-09	04-09 Trend Dec-09	05-09 Trend Dec-09	06-09 Trend Dec-09	07-09 Trend Dec-09	08-09 Trend Dec-09	Projections Jul-05
Alabama	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1
Alaska	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	8	0	0	1	1	1	1	1	1	2	2	2	1	1	1	1
Arkansas	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
California	53	0	0	0	0	0	0	0	0	0	-1	-1	0	0	0	1
Colorado	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Connecticut	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Delaware	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	25	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2
Georgia	13	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
Hawaii	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois	19	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1
Indiana	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iowa	5	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Kansas	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	7	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	0
Maine	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Maryland	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	10	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Michigan	15	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0
Minnesota	8	0	0	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	0
Mississippi	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	9	0	0	0	-1	-1	-1	0	0	0	0	0	0	0	0	-1
Montana	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nebraska	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nevada	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
New Hampshire	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Jersey	13	0	0	0	0	0	0	-1	-1	-1	-1	-1	-1	-1	-1	0
New Mexico	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	29	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2
North Carolina	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ohio	18	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-2	-2	-2	-2	-2
Oklahoma	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pennsylvania	19	0	0	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Rhode Island	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Carolina	6	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
South Dakota	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	32	1	1	1	2	2	2	3	3	3	4	4	4	4	4	3
Utah	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
Vermont	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Virginia	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington	9	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0
West Virginia	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wyoming	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Washington DC	0															

State	2000 Census Apr-01	2002 Estimates Dec-02	2003 Estimates Dec-03	2004 Estimates Dec-04	2005 Estimates Dec-05	2006 Estimates Dec-06	2007 Estimates Dec-07	2008 Estimates Dec-08	2009 Estimates Dec-09	2010 Proj. 00-09 Trend Dec-09	2010 Proj. 04-09 Trend Dec-09	2010 Proj. 05-09 Trend Dec-09	2010 Proj. 06-09 Trend Dec-09	2010 Proj. 07-09 Trend Dec-09	2010 Proj. 08-09 Trend Dec-09	CB's 2010 Projections Jul-05
Impacted:																
Number of states		4	4	8	9	13	13	14	17	18	19	19	18	18	18	15
Number of seats		2	2	4	5	7	7	8	10	11	12	12	11	11	11	10
States Gaining		2	2	4	4	6	6	6	8	8	8	8	8	8	8	7
States Loosing		2	2	4	5	7	7	8	9	10	11	11	10	10	10	8

apportionment1_5_July2009_w2010u00_09Trend.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 00-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,731,765	7	7	0	577,020	136,084	426	493	675,966	36
Alaska	705,115	1	1	0			at large	623	705,115	34
Arizona	6,752,744	8	10	2	687,676	25,356	432	480	675,274	40
Arkansas	2,908,911	4	4	0	263,695	452,416	368	474	727,228	18
California	37,242,656	53	53	0	709,448	15,073	435	445	702,692	24
Colorado	5,095,094	7	7	0	213,691	499,413	397	456	727,871	31
Connecticut	3,527,989	5	5	0	357,644	356,668	396	479	705,598	9
Delaware	894,683	1	1	0			at large	492	894,683	2
Florida	18,784,937	25	26	1	11,244	705,624	424	437	722,498	29
Georgia	9,993,539	13	14	1	286,878	426,866	419	450	713,824	22
Hawaii	1,302,629	2	2	0	435,079	299,770	337	582	651,315	44
Idaho	1,570,873	2	2	0	166,835	568,014	284	484	785,436	11
Illinois	12,952,921	19	18	-1	166,483	548,230	420	442	719,607	28
Indiana	6,453,271	9	9	0	276,842	436,112	409	457	717,030	13
Iowa	3,014,835	5	4	-1	157,771	558,340	356	460	753,709	5
Kansas	2,830,098	4	4	0	342,508	373,604	383	491	707,525	20
Kentucky	4,338,288	6	6	0	259,254	454,229	395	465	723,048	14
Louisiana	4,494,011	7	6	-1	103,531	609,952	379	447	749,002	37
Maine	1,322,040	2	2	0	415,668	319,180	333	574	661,020	30
Maryland	5,735,610	8	8	0	283,986	428,975	406	459	716,951	12
Massachusetts	6,614,744	10	9	-1	115,369	597,585	401	444	734,972	38
Michigan	9,972,338	15	14	-1	308,078	405,665	422	451	712,310	25
Minnesota	5,297,144	8	7	-1	11,641	701,463	382	438	756,735	41
Mississippi	2,961,278	4	4	0	211,328	504,783	364	468	740,319	6
Missouri	6,022,430	9	9	0	707,683	5,271	434	490	669,159	39
Montana	981,545	1	1	0			at large	446	981,545	1
Nebraska	1,804,087	3	3	0	653,403	67,083	425	595	601,362	48
Nevada	2,714,160	3	4	1	458,445	257,666	400	507	678,540	3
New Hampshire	1,332,505	2	2	0	405,203	329,646	330	565	666,253	35
New Jersey	8,733,038	13	12	-1	127,567	585,767	410	443	727,753	27
New Mexico	2,027,222	3	3	0	430,268	290,218	377	530	675,741	42
New York	19,589,907	29	28	-1	625,341	92,083	430	452	699,640	19
North Carolina	9,510,534	13	13	0	60,013	653,516	408	440	731,580	32
North Dakota	647,234	1	1	0			at large	667	647,234	43
Ohio	11,558,700	18	16	-2	141,291	572,921	416	441	722,419	26
Oklahoma	3,708,101	5	5	0	177,532	536,780	375	458	741,620	8
Oregon	3,863,322	5	5	0	22,311	692,001	360	439	772,664	7
Pennsylvania	12,632,453	19	18	-1	486,952	227,762	429	455	701,803	16
Rhode Island	1,053,619	2	2	0	684,089	50,759	417	709	526,809	49
South Carolina	4,613,296	6	7	1	695,488	17,616	431	501	659,042	10
South Dakota	817,544	1	1	0			at large	534	817,544	4
Tennessee	6,352,232	9	9	0	377,881	335,073	415	463	705,804	33
Texas	25,171,582	32	35	3	10,192	709,202	427	436	719,188	21
Utah	2,841,864	3	4	1	330,742	385,369	380	489	710,466	47
Vermont	622,861	1	1	0			at large	693	622,861	45
Virginia	7,957,153	11	11	0	193,418	519,745	412	448	723,378	23
Washington	6,736,750	9	10	1	703,670	9,362	433	483	673,675	15
West Virginia	1,820,736	3	3	0	636,754	83,732	418	591	606,912	46
Wisconsin	5,680,346	8	8	0	339,250	373,711	411	464	710,043	17
Wyoming	548,907	1	1	0			at large	779	548,907	50
Washington DC	602,068	0								
			435					Median =	711,388	
Other Inputs:			Seats to Apportion					Min =	526,809	
435			Max Seats to Calculate					Max =	981,545	
75			States							
50										
<input type="checkbox"/>			Include Washington DC							

TABLE 4
apportionment1_5_July2009_w2010u04_09Trend.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 04-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,739,470	7	7	0	567,738	149,607	426	491	677,067	36
Alaska	704,317	1	1	0			at large	624	704,317	34
Arizona	6,739,449	8	10	2	698,760	20,577	433	481	673,945	40
Arkansas	2,912,065	4	4	0	259,598	458,680	368	474	728,016	18
California	37,180,457	53	52	-1	51,134	708,265	429	436	715,009	24
Colorado	5,094,400	7	7	0	212,807	504,537	397	456	727,771	31
Connecticut	3,524,922	5	5	0	359,556	357,616	396	479	704,984	9
Delaware	894,515	1	1	0			at large	493	894,515	2
Florida	18,724,046	25	26	1	66,549	667,621	425	438	720,156	29
Georgia	9,980,647	13	14	1	296,715	426,084	420	450	712,903	22
Hawaii	1,301,753	2	2	0	435,439	300,163	337	583	650,876	44
Idaho	1,571,472	2	2	0	165,719	569,883	283	484	785,736	11
Illinois	12,951,010	19	18	-1	164,496	562,022	419	442	719,501	28
Indiana	6,455,463	9	9	0	272,650	445,921	409	457	717,274	13
Iowa	3,018,056	5	4	-1	153,607	564,671	354	459	754,514	5
Kansas	2,832,370	4	4	0	339,294	378,985	381	492	708,092	20
Kentucky	4,340,033	6	6	0	256,144	460,891	395	464	723,339	14
Louisiana	4,492,489	7	6	-1	103,688	613,346	380	447	748,748	37
Maine	1,319,820	2	2	0	417,372	318,230	333	575	659,910	30
Maryland	5,723,666	8	8	0	294,141	423,749	406	460	715,458	12
Massachusetts	6,615,404	10	9	-1	112,709	605,863	400	444	735,045	38
Michigan	9,952,003	15	14	-1	325,359	397,441	422	452	710,857	25
Minnesota	5,295,276	8	7	-1	11,931	705,413	383	437	756,468	41
Mississippi	2,962,121	4	4	0	209,542	508,736	363	468	740,530	6
Missouri	6,023,318	9	9	0	704,795	13,777	434	489	669,258	39
Montana	982,745	1	1	0			at large	446	982,745	1
Nebraska	1,805,039	3	3	0	651,720	70,235	423	594	601,680	48
Nevada	2,696,609	3	4	1	475,054	243,224	401	513	674,152	3
New Hampshire	1,329,464	2	2	0	407,728	327,874	330	568	664,732	35
New Jersey	8,722,332	13	12	-1	135,640	585,374	410	443	726,861	27
New Mexico	2,028,448	3	3	0	428,311	293,644	377	529	676,149	42
New York	19,578,442	29	28	-1	630,799	105,301	431	451	699,230	19
North Carolina	9,521,015	13	13	0	46,688	675,210	408	440	732,386	32
North Dakota	648,451	1	1	0			at large	666	648,451	43
Ohio	11,554,433	18	16	-2	142,082	582,561	416	441	722,152	26
Oklahoma	3,714,212	5	5	0	170,266	546,905	375	458	742,842	8
Oregon	3,866,149	5	5	0	18,329	698,842	360	439	773,230	7
Pennsylvania	12,637,794	19	18	-1	477,712	248,806	428	453	702,100	16
Rhode Island	1,050,525	2	2	0	686,667	48,935	418	709	525,262	49
South Carolina	4,619,858	6	7	1	687,349	29,995	430	501	659,980	10
South Dakota	818,379	1	1	0			at large	534	818,379	4
Tennessee	6,356,829	9	9	0	371,284	347,287	415	462	706,314	33
Texas	25,174,291	32	36	4	709,274	34,574	435	449	699,286	21
Utah	2,843,769	3	4	1	327,894	390,384	379	487	710,942	47
Vermont	622,305	1	1	0			at large	694	622,305	45
Virginia	7,948,078	11	11	0	200,071	520,086	412	448	722,553	23
Washington	6,741,767	9	10	1	696,442	22,895	432	480	674,177	15
West Virginia	1,822,271	3	3	0	634,489	87,466	417	591	607,424	46
Wisconsin	5,676,842	8	8	0	340,965	376,925	411	465	709,605	17
Wyoming	550,971	1	1	0			at large	773	550,971	50
Washington DC	602,738	0								
			435					Median =	710,900	
Other Inputs:	Seats to Apportion							Min =	525,262	
	435 Max Seats to Calculate							Max =	982,745	
	75 States									
	50									
	<input type="checkbox"/> Include Washington DC									

TABLE 6
apportionment1_5_July2009_w2010u05_09Trend.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 05-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,740,499	7	7	0	563,705	149,768	426	492	677,214	36
Alaska	704,143	1	1	0			at large	624	704,143	34
Arizona	6,724,305	8	10	2	709,694	4,162	435	483	672,430	40
Arkansas	2,911,546	4	4	0	258,322	457,697	368	474	727,887	18
California	37,187,492	53	52	-1	23,029	708,399	429	436	715,144	24
Colorado	5,098,321	7	7	0	205,882	507,590	397	455	728,332	31
Connecticut	3,526,042	5	5	0	356,238	358,136	396	479	705,208	9
Delaware	894,056	1	1	0			at large	493	894,056	2
Florida	18,685,359	25	26	1	94,603	625,516	425	440	718,668	29
Georgia	9,977,457	13	14	1	294,089	421,087	420	450	712,676	22
Hawaii	1,300,752	2	2	0	435,457	298,973	337	583	650,376	44
Idaho	1,570,181	2	2	0	166,027	568,402	283	484	785,091	11
Illinois	12,955,475	19	18	-1	152,609	564,143	419	442	719,749	28
Indiana	6,455,853	9	9	0	268,452	445,175	409	456	717,317	13
Iowa	3,019,024	5	4	-1	150,844	565,175	354	459	754,756	5
Kansas	2,833,585	4	4	0	336,283	379,736	381	490	708,396	20
Kentucky	4,339,608	6	6	0	253,967	459,732	395	464	723,268	14
Louisiana	4,491,025	7	6	-1	102,551	611,148	380	447	748,504	37
Maine	1,319,558	2	2	0	416,651	317,779	333	574	659,779	30
Maryland	5,721,867	8	8	0	292,535	420,947	406	460	715,233	12
Massachusetts	6,620,515	10	9	-1	103,790	609,837	400	444	735,613	38
Michigan	9,947,343	15	14	-1	324,203	390,973	422	452	710,525	25
Minnesota	5,297,085	8	7	-1	7,119	706,354	382	437	756,726	41
Mississippi	2,961,898	4	4	0	207,971	508,049	363	468	740,474	6
Missouri	6,022,564	9	9	0	701,742	11,885	433	489	669,174	39
Montana	982,848	1	1	0			at large	446	982,848	1
Nebraska	1,805,253	3	3	0	650,116	70,120	423	594	601,751	48
Nevada	2,691,285	3	4	1	478,583	237,436	401	516	672,821	3
New Hampshire	1,328,995	2	2	0	407,214	327,215	330	567	664,497	35
New Jersey	8,724,006	13	12	-1	128,953	585,509	410	443	727,001	27
New Mexico	2,027,982	3	3	0	427,387	292,849	377	529	675,994	42
New York	19,581,363	29	28	-1	616,441	104,538	431	451	699,334	19
North Carolina	9,525,224	13	13	0	37,065	677,745	408	438	732,710	32
North Dakota	649,035	1	1	0			at large	666	649,035	43
Ohio	11,555,354	18	16	-2	134,542	581,406	416	441	722,210	26
Oklahoma	3,717,241	5	5	0	165,039	549,336	374	458	743,448	8
Oregon	3,866,855	5	5	0	15,425	698,949	360	439	773,371	7
Pennsylvania	12,640,281	19	18	-1	467,802	248,950	428	453	702,238	16
Rhode Island	1,051,025	2	2	0	685,184	49,245	418	709	525,512	49
South Carolina	4,622,537	6	7	1	681,667	31,805	430	501	660,362	10
South Dakota	818,690	1	1	0			at large	534	818,690	4
Tennessee	6,355,423	9	9	0	368,882	344,744	415	463	706,158	33
Texas	25,185,873	32	36	4	683,044	41,400	434	449	699,608	21
Utah	2,844,087	3	4	1	325,781	390,238	379	487	711,022	47
Vermont	622,315	1	1	0			at large	694	622,315	45
Virginia	7,944,865	11	11	0	198,673	515,467	412	448	722,260	23
Washington	6,744,603	9	10	1	689,397	24,460	432	480	674,460	15
West Virginia	1,822,776	3	3	0	632,593	87,643	417	591	607,592	46
Wisconsin	5,676,458	8	8	0	337,943	375,538	411	465	709,557	17
Wyoming	551,936	1	1	0			at large	772	551,936	50
Washington DC	603,058	0								
			435					Median =	710,773	
Other Inputs:	Seats to Apportion							Min =	525,512	
	435 Max Seats to Calculate							Max =	982,848	
	75 States									
	50									
	<input type="checkbox"/> Include Washington DC									

apportionment1_5_July2009_w2010u06_09Trend.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 06-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,737,133	7	7	0	566,426	150,355	426	491	676,733	36
Alaska	703,925	1	1	0			at large	622	703,925	34
Arizona	6,703,277	8	9	1	20,212	697,774	395	437	744,809	40
Arkansas	2,908,529	4	4	0	260,954	456,793	368	474	727,132	18
California	37,213,985	53	53	0	700,766	58,518	434	446	702,151	24
Colorado	5,096,557	7	7	0	207,003	509,779	397	455	728,080	31
Connecticut	3,526,648	5	5	0	355,160	361,471	396	478	705,330	9
Delaware	893,449	1	1	0			at large	495	893,449	2
Florida	18,653,127	25	26	1	124,554	608,837	425	440	717,428	29
Georgia	9,960,668	13	14	1	309,631	412,527	421	451	711,476	22
Hawaii	1,300,148	2	2	0	435,850	299,231	338	584	650,074	44
Idaho	1,567,279	2	2	0	168,719	566,362	284	483	783,639	11
Illinois	12,959,236	19	18	-1	147,256	578,575	419	442	719,958	28
Indiana	6,454,051	9	9	0	269,438	448,549	409	456	717,117	13
Iowa	3,018,882	5	4	-1	150,602	567,146	354	459	754,720	5
Kansas	2,834,869	4	4	0	334,614	383,134	381	490	708,717	20
Kentucky	4,338,330	6	6	0	254,688	461,795	394	463	723,055	14
Louisiana	4,558,750	7	6	-1	34,267	682,215	373	441	759,792	37
Maine	1,319,138	2	2	0	416,860	318,221	333	574	659,569	30
Maryland	5,721,638	8	8	0	292,033	425,283	406	460	715,205	12
Massachusetts	6,626,009	10	9	-1	97,479	620,507	400	445	736,223	38
Michigan	9,941,864	15	14	-1	328,434	393,724	424	452	710,133	25
Minnesota	5,296,356	8	7	-1	7,204	709,578	383	436	756,622	41
Mississippi	2,965,967	4	4	0	203,516	514,231	363	468	741,492	6
Missouri	6,019,759	9	9	0	703,729	14,257	433	489	668,862	39
Montana	982,397	1	1	0			at large	447	982,397	1
Nebraska	1,805,851	3	3	0	649,220	72,212	422	594	601,950	48
Nevada	2,682,751	3	4	1	486,732	231,016	401	518	670,688	3
New Hampshire	1,327,776	2	2	0	408,222	326,859	330	567	663,888	35
New Jersey	8,728,948	13	12	-1	122,936	597,459	410	444	727,412	27
New Mexico	2,027,016	3	3	0	428,056	293,377	378	529	675,672	42
New York	19,588,117	29	28	-1	607,235	128,064	431	450	699,576	19
North Carolina	9,516,807	13	13	0	44,320	676,947	407	439	732,062	32
North Dakota	649,402	1	1	0			at large	666	649,402	43
Ohio	11,555,237	18	16	-2	133,238	590,740	416	443	722,202	26
Oklahoma	3,716,118	5	5	0	165,691	550,940	375	457	743,224	8
Oregon	3,864,176	5	5	0	17,632	698,999	360	438	772,835	7
Pennsylvania	12,638,531	19	18	-1	467,961	257,871	429	453	702,141	16
Rhode Island	1,051,474	2	2	0	684,524	50,557	418	709	525,737	49
South Carolina	4,619,538	6	7	1	684,021	32,760	430	501	659,934	10
South Dakota	818,530	1	1	0			at large	533	818,530	4
Tennessee	6,349,710	9	9	0	373,779	344,208	415	464	705,523	33
Texas	25,156,989	32	36	4	708,787	34,169	435	449	698,805	21
Utah	2,838,687	3	4	1	330,796	386,952	380	488	709,672	47
Vermont	622,205	1	1	0			at large	694	622,205	45
Virginia	7,943,303	11	11	0	199,246	520,303	412	448	722,118	23
Washington	6,740,527	9	10	1	692,569	26,171	432	480	674,053	15
West Virginia	1,822,934	3	3	0	632,137	89,295	417	590	607,645	46
Wisconsin	5,675,857	8	8	0	337,814	379,502	411	465	709,482	17
Wyoming	552,609	1	1	0			at large	770	552,609	50
Washington DC	603,682	0								
Other Inputs:			435					Median =	709,902	
435 Max Seats to Calculate								Min =	525,737	
75 States								Max =	982,397	
50										
<input type="checkbox"/> Include Washington DC										

apportionment1_5_July2009_w2010u07_09Trend.xls

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 07-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,735,665	7	7	0	566,540	150,279	426	491	676,524	36
Alaska	704,683	1	1	0			at large	620	704,683	34
Arizona	6,686,569	8	9	1	35,202	682,889	396	438	742,952	40
Arkansas	2,907,466	4	4	0	261,208	456,474	368	474	726,866	18
California	37,243,093	53	53	0	661,975	98,901	433	446	702,700	24
Colorado	5,095,760	7	7	0	206,445	510,374	397	455	727,966	31
Connecticut	3,529,503	5	5	0	351,314	365,286	395	478	705,901	9
Delaware	892,884	1	1	0			at large	495	892,884	2
Florida	18,636,887	25	26	1	135,998	598,073	425	440	716,803	29
Georgia	9,943,438	13	14	1	324,237	398,195	423	451	710,246	22
Hawaii	1,302,157	2	2	0	433,398	301,544	337	583	651,078	44
Idaho	1,563,802	2	2	0	171,753	563,189	284	483	781,901	11
Illinois	12,960,035	19	18	-1	143,110	583,131	419	441	720,002	28
Indiana	6,452,338	9	9	0	269,433	448,658	409	456	716,926	13
Iowa	3,018,889	5	4	-1	149,784	567,897	354	459	754,722	5
Kansas	2,835,184	4	4	0	333,490	384,192	381	489	708,796	20
Kentucky	4,336,096	6	6	0	255,748	460,737	394	463	722,683	14
Louisiana	4,536,711	7	6	-1	55,133	661,352	376	443	756,118	37
Maine	1,318,674	2	2	0	416,881	318,061	333	573	659,337	30
Maryland	5,724,225	8	8	0	287,910	429,477	406	460	715,528	12
Massachusetts	6,629,467	10	9	-1	92,304	625,787	400	445	736,607	38
Michigan	9,939,553	15	14	-1	328,123	394,310	424	452	709,968	25
Minnesota	5,294,748	8	7	-1	7,457	709,362	383	436	756,393	41
Mississippi	2,963,466	4	4	0	205,208	512,474	364	468	740,867	6
Missouri	6,017,122	9	9	0	704,649	13,442	434	488	668,569	39
Montana	981,774	1	1	0			at large	447	981,774	1
Nebraska	1,806,785	3	3	0	647,659	73,673	421	594	602,262	48
Nevada	2,672,164	3	4	1	496,510	221,172	402	519	668,041	3
New Hampshire	1,327,302	2	2	0	408,252	326,689	330	567	663,651	35
New Jersey	8,734,848	13	12	-1	114,775	605,827	410	444	727,904	27
New Mexico	2,025,343	3	3	0	429,101	292,230	378	530	675,114	42
New York	19,586,228	29	28	-1	603,965	132,081	430	450	699,508	19
North Carolina	9,503,840	13	13	0	54,845	666,662	407	439	731,065	32
North Dakota	650,129	1	1	0			at large	665	650,129	43
Ohio	11,550,847	18	16	-2	134,643	589,677	416	442	721,928	26
Oklahoma	3,715,706	5	5	0	165,111	551,489	374	457	743,141	8
Oregon	3,861,283	5	5	0	19,534	697,066	360	437	772,257	7
Pennsylvania	12,635,808	19	18	-1	467,336	258,904	429	454	701,989	16
Rhode Island	1,052,535	2	2	0	683,019	51,922	417	708	526,268	49
South Carolina	4,614,212	6	7	1	687,993	28,826	431	501	659,173	10
South Dakota	818,249	1	1	0			at large	533	818,249	4
Tennessee	6,343,451	9	9	0	378,321	339,771	415	465	704,828	33
Texas	25,150,564	32	36	4	708,606	35,368	435	449	698,627	21
Utah	2,831,916	3	4	1	336,757	380,925	382	490	707,979	47
Vermont	622,249	1	1	0			at large	693	622,249	45
Virginia	7,944,943	11	11	0	195,526	524,196	412	448	722,268	23
Washington	6,741,203	9	10	1	689,995	28,885	432	479	674,120	15
West Virginia	1,823,009	3	3	0	631,435	89,897	418	590	607,670	46
Wisconsin	5,674,915	8	8	0	337,221	380,167	411	464	709,364	17
Wyoming	552,403	1	1	0			at large	770	552,403	50
Washington DC	604,737	0								
Other Inputs:			435					Median =	709,666	
435 Max Seats to Calculate								Min =	526,268	
75 States								Max =	981,774	
50										
<input type="checkbox"/> Include Washington DC										

apportionment1_5_July2009_w2010u08_09Trend.xls

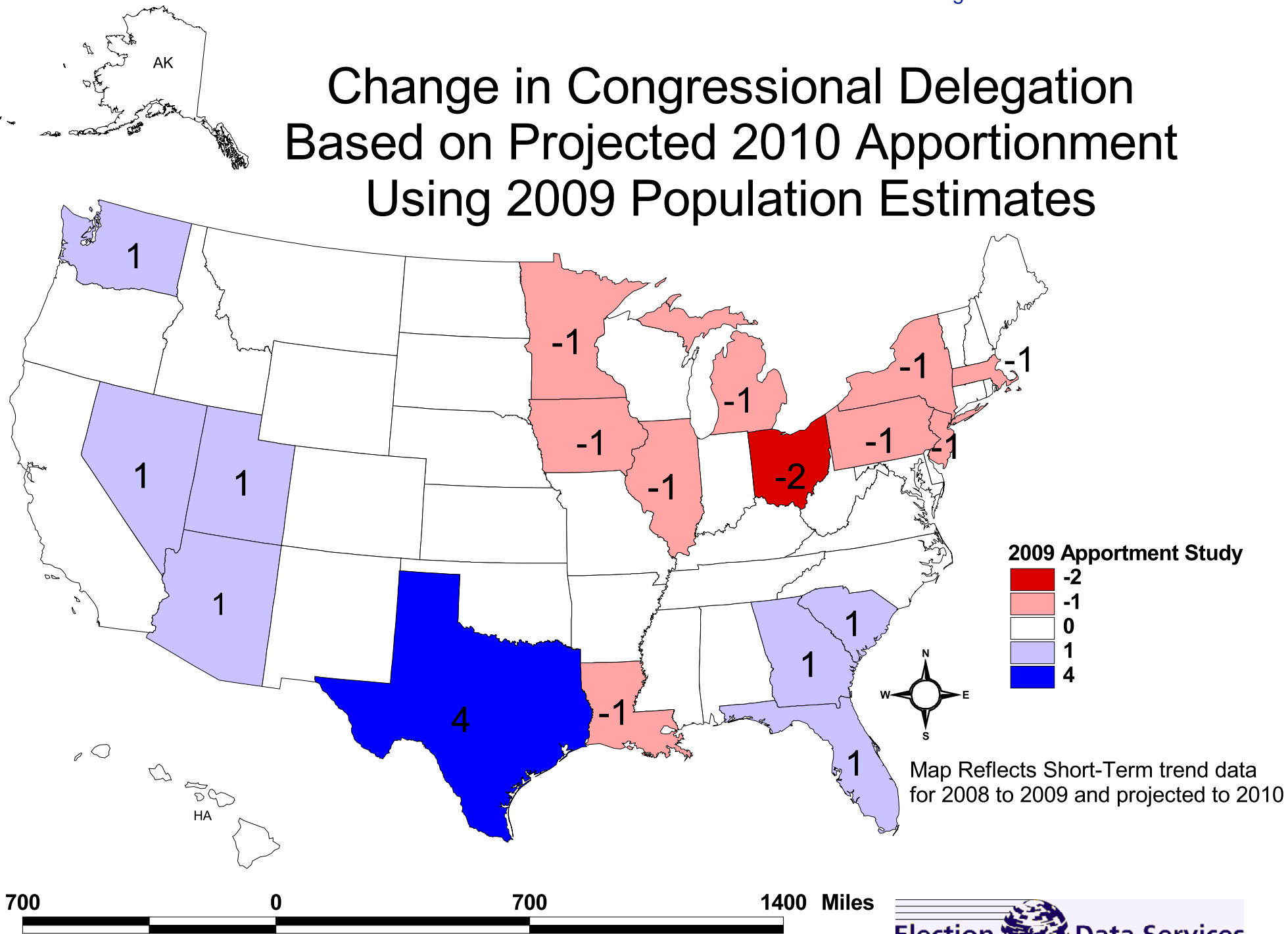
Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 08-09 Trend; No Military Overseas factored in										
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Average Size	Size Rank
Alabama	4,732,298	7	7	0	569,027	148,312	426	492	676,043	36
Alaska	706,351	1	1	0			at large	619	706,351	34
Arizona	6,669,151	8	9	1	51,504	667,305	396	438	741,017	40
Arkansas	2,905,837	4	4	0	262,310	455,594	368	474	726,459	18
California	37,250,615	53	53	0	648,161	117,766	433	446	702,842	24
Colorado	5,093,118	7	7	0	208,207	509,132	398	455	727,588	31
Connecticut	3,529,855	5	5	0	350,317	366,605	395	478	705,971	9
Delaware	891,873	1	1	0			at large	495	891,873	2
Florida	18,624,067	25	26	1	145,702	590,762	425	439	716,310	29
Georgia	9,929,075	13	14	1	336,895	386,748	424	452	709,220	22
Hawaii	1,300,985	2	2	0	434,281	300,678	338	583	650,493	44
Idaho	1,559,687	2	2	0	175,580	559,379	284	484	779,843	11
Illinois	12,961,266	19	18	-1	139,703	588,142	419	441	720,070	28
Indiana	6,449,358	9	9	0	271,297	447,512	409	456	716,595	13
Iowa	3,018,306	5	4	-1	149,842	568,063	354	460	754,576	5
Kansas	2,834,898	4	4	0	333,249	384,655	381	488	708,725	20
Kentucky	4,333,869	6	6	0	257,213	459,694	394	464	722,312	14
Louisiana	4,522,775	7	6	-1	68,307	648,600	377	445	753,796	37
Maine	1,317,260	2	2	0	418,007	316,952	333	574	658,630	30
Maryland	5,730,316	8	8	0	280,821	437,185	406	459	716,290	12
Massachusetts	6,631,367	10	9	-1	89,288	629,521	400	444	736,819	38
Michigan	9,945,238	15	14	-1	320,733	402,910	423	451	710,374	25
Minnesota	5,293,131	8	7	-1	8,193	709,146	382	436	756,162	41
Mississippi	2,960,869	4	4	0	207,278	510,626	364	468	740,217	6
Missouri	6,011,137	9	9	0	709,519	9,290	435	489	667,904	39
Montana	980,242	1	1	0			at large	447	980,242	1
Nebraska	1,807,712	3	3	0	646,325	75,129	421	594	602,571	48
Nevada	2,663,784	3	4	1	504,364	213,540	402	520	665,946	3
New Hampshire	1,326,606	2	2	0	408,660	326,299	330	567	663,303	35
New Jersey	8,741,165	13	12	-1	106,989	614,626	407	443	728,430	27
New Mexico	2,027,050	3	3	0	426,987	294,467	376	529	675,683	42
New York	19,596,910	29	28	-1	589,932	148,704	430	450	699,890	19
North Carolina	9,482,647	13	13	0	74,451	648,168	410	440	729,434	32
North Dakota	650,946	1	1	0			at large	663	650,946	43
Ohio	11,553,589	18	16	-2	129,962	595,766	416	442	722,099	26
Oklahoma	3,719,700	5	5	0	160,473	556,449	374	457	743,940	8
Oregon	3,858,017	5	5	0	22,155	694,767	360	437	771,603	7
Pennsylvania	12,633,654	19	18	-1	467,315	260,530	429	454	701,870	16
Rhode Island	1,052,989	2	2	0	682,277	52,682	417	708	526,495	49
South Carolina	4,605,273	6	7	1	696,052	21,287	431	503	657,896	10
South Dakota	818,329	1	1	0			at large	533	818,329	4
Tennessee	6,338,477	9	9	0	382,179	336,630	415	465	704,275	33
Texas	25,147,862	32	36	4	707,015	40,336	434	449	698,552	21
Utah	2,828,394	3	4	1	339,753	378,151	383	490	707,099	47
Vermont	622,294	1	1	0			at large	693	622,294	45
Virginia	7,948,695	11	11	0	190,423	530,215	412	448	722,609	23
Washington	6,738,886	9	10	1	691,078	28,618	432	480	673,889	15
West Virginia	1,823,465	3	3	0	630,572	90,881	418	590	607,822	46
Wisconsin	5,675,245	8	8	0	335,892	382,114	411	463	709,406	17
Wyoming	552,916	1	1	0			at large	770	552,916	50
Washington DC	606,961	0								
Other Inputs:			435					Median =	709,313	
435 Max Seats to Calculate								Min =	526,495	
75 States								Max =	980,242	
50										
<input type="checkbox"/> Include Washington DC										

TABLE K

Last 5/Next 5 Analysis for 2010 Projections
with Margin of Population Just Gained or Lost By
apportionment1_5_July2009.xls

	"Long-Term"	"Mid-Term"				"Short-Term"
	2000 - 2009	2004 - 2009	2005 - 2009	2006 - 2009	2007 - 2009	2008 - 2009
Seat #	Trend	Trend	Trend	Trend		Trend
430	NY - 28th	S.C. - 7th	S.C. - 7th	S.C. - 7th	NY - 28th	NY - 28th
	92,083	29,995	31,805	32,760	132,081	148,704
431	S.C. - 7th	NY - 28th	NY - 28th	NY - 28th	S.C. - 7th	S.C. - 7th
	17,616	105,301	104,538	128,064	28,826	21,287
432	AZ - 10th	WA - 10th	WA - 10th	WA - 10th	WA - 10th	WA - 10th
	25,356	22,895	24,460	26,171	28,885	28,618
433	WA - 10th	AZ - 10th	MO - 9th	MO - 9th	CA - 53rd	CA - 53rd
	9,362	20,577	11,885	14,257	98,901	117,766
434	MO - 9th	MO - 9th	TX - 36th	CA - 53rd	MO - 9th	TX - 36th
	5,271	13,777	41,400	58,518	13,442	40,336
435	CA - 53rd	TX - 36th	AZ - 10th	TX - 36th	TX - 36th	MO - 9th
	15,073	34,574	4,162	34,169	35,368	9,290
436	TX - 36th	CA - 53rd	CA - 53rd	MN - 8th	MN - 8th	MN - 8th
	10,192	51,134	23,029	7,204	7,457	8,193
437	FL - 27th	MN - 8th	MN - 8th	AZ - 10th	OR - 6th	OR - 6th
	11,244	11,931	7,119	20,212	19,534	22,155
438	MN - 8th	FL - 27th	N.C. - 14th	OR - 6th	AZ - 10th	AZ - 10th
	11,641	66,549	37,065	17,632	35,202	51,504
439	OR - 6th	OR - 6th	OR - 6th	N.C. - 14th	N.C. - 14th	FL - 27th
	22,311	18,329	15,425	44,320	54,845	145,702
440	N.C. - 14th	N.C. - 14th	FL - 27th	FL - 27th	FL - 27th	N.C. - 14th
	60,013	46,688	94,603	124,554	135,998	74,451
441	OH - 17th	OH - 17th	OH - 17th	LA - 7th	IL - 19th	IL - 19th
	141,291	142,082	134,542	34,267	143,110	139,703

Change in Congressional Delegation Based on Projected 2010 Apportionment Using 2009 Population Estimates



Using Official 1940 State populations											
State	Population	Compare To 1930	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	2,832,961	9	9	0	20,650	283,376	397	440	314,773	13,610	4.52%
Arizona	499,261	1	2	1	237,539	74,331	375	625	249,631	-51,533	-17.11%
Arkansas	1,949,387	7	7	0	301,572	2,109	435	502	278,484	-22,680	-7.53%
California	6,907,387	20	23	3	159,742	148,446	431	451	300,321	-842	-0.28%
Colorado	1,123,296	4	4	0	221,909	82,432	410	519	280,824	-20,340	-6.75%
Connecticut	1,709,242	6	6	0	240,146	63,492	424	494	284,874	-16,290	-5.41%
Delaware	266,505	1	1	0			at large	670	266,505	-34,659	-11.51%
Florida	1,897,414	5	6	1	51,974	251,664	383	454	316,236	15,072	5.00%
Georgia	3,123,723	10	10	0	31,062	273,200	403	445	312,372	11,209	3.72%
Idaho	524,873	2	2	0	211,927	99,943	357	599	262,437	-38,727	-12.86%
Illinois	7,897,241	27	26	-1	72,460	236,689	427	443	303,740	2,576	0.86%
Indiana	3,427,796	12	11	-1	28,098	276,424	407	442	311,618	10,454	3.47%
Iowa	2,538,268	9	8	-1	14,079	289,745	390	439	317,284	16,120	5.35%
Kansas	1,801,028	7	6	-1	148,360	155,278	406	474	300,171	-992	-0.33%
Kentucky	2,845,627	9	9	0	7,984	296,042	396	437	316,181	15,017	4.99%
Louisiana	2,363,880	8	8	0	188,467	115,357	418	472	295,485	-5,679	-1.89%
Maine	847,226	3	3	0	194,766	111,224	384	529	282,409	-18,755	-6.23%
Maryland	1,821,244	6	6	0	128,144	175,494	400	468	303,541	2,377	0.79%
Massachusetts	4,316,721	15	14	-1	42,241	263,138	414	444	308,337	7,174	2.38%
Michigan	5,256,106	17	17	0	5,692	300,602	415	436	309,183	8,019	2.66%
Minnesota	2,792,300	9	9	0	61,311	242,715	404	448	310,256	9,092	3.02%
Mississippi	2,183,796	7	7	0	67,163	236,518	393	455	311,971	10,807	3.59%
Missouri	3,784,664	13	13	0	273,309	31,776	433	469	291,128	-10,036	-3.33%
Montana	559,456	2	2	0	177,344	134,526	333	564	279,728	-21,436	-7.12%
Nebraska	1,315,834	5	4	-1	29,371	274,970	347	449	328,959	27,795	9.23%
Nevada	110,247	1	1	0			at large	1272	110,247	-190,917	-63.39%
New Hampshire	491,524	2	2	0	245,276	66,594	378	636	245,762	-55,402	-18.40%
New Jersey	4,160,165	14	14	0	198,797	106,582	428	459	297,155	-4,009	-1.33%
New Mexico	531,818	1	2	1	204,982	106,888	351	589	265,909	-35,255	-11.71%
New York	13,479,142	45	45	0	206,293	109,001	434	446	299,536	-1,627	-0.54%
North Carolina	3,571,623	11	12	1	185,330	119,468	425	461	297,635	-3,528	-1.17%
North Dakota	641,935	2	2	0	94,865	217,005	291	496	320,968	19,804	6.58%
Ohio	6,907,612	24	23	-1	159,517	148,671	430	450	300,331	-833	-0.28%
Oklahoma	2,336,434	9	8	-1	215,913	87,911	423	476	292,054	-9,109	-3.02%
Oregon	1,089,684	3	4	1	255,521	48,820	420	533	272,421	-28,743	-9.54%
Pennsylvania	9,900,180	34	33	-1	175,396	136,010	432	447	300,005	-1,158	-0.38%
Rhode Island	713,346	2	2	0	23,454	288,416	266	456	356,673	55,509	18.43%
South Carolina	1,899,804	6	6	0	49,584	254,054	382	453	316,634	15,470	5.14%
South Dakota	642,961	2	2	0	93,839	218,031	290	495	321,481	20,317	6.75%
Tennessee	2,915,841	9	10	1	238,944	65,318	429	473	291,584	-9,580	-3.18%
Texas	6,414,824	21	21	0	50,562	256,990	422	441	305,468	4,304	1.43%
Utah	550,310	2	2	0	186,490	125,380	340	573	275,155	-26,009	-8.64%
Vermont	359,231	1	1	0			at large	510	359,231	58,067	19.28%
Virginia	2,677,773	9	9	0	175,838	128,188	419	465	297,530	-3,633	-1.21%
Washington	1,736,191	6	6	0	213,197	90,441	417	488	289,365	-11,798	-3.92%
West Virginia	1,901,974	6	6	0	47,414	256,224	380	452	316,996	15,832	5.26%
Wisconsin	3,137,587	10	10	0	17,198	287,064	401	438	313,759	12,595	4.18%
Wyoming	250,742	1	1	0			at large	704	250,742	-50,422	-16.74%
Washington DC		0									
US Total	131,006,184		435						301,164		
Other Inputs:	Seats to Apportion							Median =	300,088		
	435 Max Seats to Calculate							Min =	110,247	-190,917	-63.39
	48 States							Max =	359,231	58,067	19.28
	50							Total Dev			82.67
<input type="checkbox"/> Include Washington DC								At Large States only			
								Min =	110,247	-190,917	-63.39
								Max =	359,231	58,067	19.28
								Total Dev			82.67
								Multiple District States only			
								Min =	245,762	-55,402	-18.40
								Max =	356,673	55,509	18.43
								Total Dev			36.83

Exhibit 4
apportionment1_1950Pop.xls

Using Official 1950 State populations											
State	Population	Compare To 1940	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	3,061,743	9	9	0	236,678	116,197	419	468	340,194	-4,393	-1.27%
Arizona	749,587	2	2	0	102,062	258,663	287	491	374,794	30,207	8.77%
Arkansas	1,909,511	7	6	-1	343,740	8,170	433	509	318,252	-26,335	-7.64%
California	10,586,223	23	30	7	16,715	347,185	420	436	352,874	8,287	2.41%
Colorado	1,325,089	4	4	0	229,802	122,575	397	506	331,272	-13,314	-3.86%
Connecticut	2,007,280	6	6	0	245,971	105,939	412	487	334,547	-10,040	-2.91%
Delaware	318,085	1	1	0			at large	653	318,085	-26,502	-7.69%
Florida	2,771,305	6	8	2	178,892	173,578	408	460	346,413	1,826	0.53%
Georgia	3,444,578	10	10	0	201,963	151,358	416	455	344,458	-129	-0.04%
Idaho	588,637	2	2	0	263,012	97,713	364	614	294,319	-50,268	-14.59%
Illinois	8,712,176	26	25	-1	152,063	209,118	426	445	348,487	3,900	1.13%
Indiana	3,934,224	11	11	0	60,362	293,432	404	444	357,657	13,070	3.79%
Iowa	2,621,073	8	8	0	329,124	23,346	430	489	327,634	-16,953	-4.92%
Kansas	1,905,299	6	6	0	347,952	3,958	434	510	317,550	-27,037	-7.85%
Kentucky	2,944,806	9	8	-1	5,391	347,079	385	437	368,101	23,514	6.82%
Louisiana	2,683,516	8	8	0	266,681	85,789	422	474	335,440	-9,147	-2.65%
Maine	913,774	3	3	0	290,639	63,469	405	563	304,591	-39,995	-11.61%
Maryland	2,343,001	6	7	1	258,829	93,304	418	481	334,714	-9,872	-2.86%
Massachusetts	4,690,514	14	14	0	347,907	7,395	435	465	335,037	-9,550	-2.77%
Michigan	6,371,766	17	18	1	58,039	299,368	415	440	353,987	9,400	2.73%
Minnesota	2,982,483	9	9	0	315,938	36,937	429	478	331,387	-13,200	-3.83%
Mississippi	2,178,914	7	6	-1	74,337	277,573	381	449	363,152	18,566	5.39%
Missouri	3,954,653	13	11	-2	39,933	313,861	399	442	359,514	14,927	4.33%
Montana	591,024	2	2	0	260,625	100,100	360	610	295,512	-49,075	-14.24%
Nebraska	1,325,510	4	4	0	229,381	122,996	396	505	331,378	-13,209	-3.83%
Nevada	160,083	1	1	0			at large	1086	160,083	-184,504	-53.54%
New Hampshire	533,242	2	2	0	318,407	42,318	400	673	266,621	-77,966	-22.63%
New Jersey	4,835,329	14	14	0	203,092	152,210	423	451	345,381	794	0.23%
New Mexico	681,187	2	2	0	170,462	190,263	314	537	340,594	-3,993	-1.16%
New York	14,830,192	45	43	-2	293,065	77,937	432	446	344,888	302	0.09%
North Carolina	4,061,929	12	12	0	280,644	73,641	427	463	338,494	-6,093	-1.77%
North Dakota	619,636	2	2	0	232,013	128,712	347	587	309,818	-34,769	-10.09%
Ohio	7,946,627	23	23	0	222,099	137,998	428	448	345,506	919	0.27%
Oklahoma	2,233,351	8	6	-2	19,900	332,010	372	439	372,225	27,639	8.02%
Oregon	1,521,341	4	4	0	33,550	318,827	346	447	380,335	35,749	10.37%
Pennsylvania	10,498,012	33	30	-3	104,926	258,974	425	441	349,934	5,347	1.55%
Rhode Island	791,896	2	2	0	59,753	300,972	268	466	395,948	51,361	14.91%
South Carolina	2,117,027	6	6	0	136,224	215,686	392	459	352,838	8,251	2.39%
South Dakota	652,740	2	2	0	198,909	161,816	327	559	326,370	-18,217	-5.29%
Tennessee	3,291,718	10	9	-1	6,703	346,172	387	438	365,746	21,160	6.14%
Texas	7,711,194	21	22	1	109,765	249,791	421	443	350,509	5,922	1.72%
Utah	688,862	2	2	0	162,787	197,938	311	530	344,431	-156	-0.05%
Vermont	377,747	1	1	0			at large	557	377,747	33,160	9.62%
Virginia	3,318,680	9	10	1	327,861	25,460	431	473	331,868	-12,719	-3.69%
Washington	2,378,963	6	7	1	222,867	129,266	411	470	339,852	-4,735	-1.37%
West Virginia	2,005,552	6	6	0	247,699	104,211	414	488	334,259	-10,328	-3.00%
Wisconsin	3,434,575	10	10	0	211,966	141,355	417	457	343,458	-1,129	-0.33%
Wyoming	290,529	1	1	0			at large	706	290,529	-54,058	-15.69%
Washington DC		0									
US Total	149,895,183		435						344,587		
Other Inputs:	Seats to Apportion							Median =	340,394		
	435 Max Seats to Calculate							Min =	160,083	-184,504	-53.54
	48 States							Max =	395,948	51,361	14.91
	50							Total Dev			68.45
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	160,083	-184,504	-53.54
								Max =	377,747	33,160	9.62
								Total Dev			63.17
								Multiple District States only			
								Min =	266,621	-77,966	-22.63
								Max =	395,948	51,361	14.91
								Total Dev			37.53

Using Official 1960 State populations											
State	Population	Compare To 1950	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	3,266,740	9	8	-1	238,799	181,997	410	467	408,343	-2,138	-0.52%
Alaska	226,167		1	1			at large	959	226,167	-184,314	-44.90%
Arizona	1,302,161	2	3	1	128,970	292,442	337	482	434,054	23,573	5.74%
Arkansas	1,786,272	6	4	-2	61,310	358,314	351	448	446,568	36,087	8.79%
California	15,717,204	30	38	8	187,025	260,473	427	440	413,611	3,130	0.76%
Colorado	1,753,947	4	4	0	93,635	325,989	355	460	438,487	28,006	6.82%
Connecticut	2,535,234	6	6	0	142,166	277,434	391	462	422,539	12,058	2.94%
Delaware	446,292	1	1	0			at large	567	446,292	35,811	8.72%
Florida	4,951,560	8	12	4	208,454	215,558	416	454	412,630	2,149	0.52%
Georgia	3,943,116	10	10	0	389,846	32,491	432	481	394,312	-16,169	-3.94%
Hawaii	632,772		2	2	379,190	49,811	402	666	316,386	-94,095	-22.92%
Idaho	667,191	2	2	0	344,771	84,230	383	640	333,596	-76,885	-18.73%
Illinois	10,081,158	25	24	-1	38,461	396,272	419	439	420,048	9,567	2.33%
Indiana	4,662,498	11	11	0	84,024	339,139	406	444	423,863	13,382	3.26%
Iowa	2,757,537	8	7	-1	334,058	86,072	422	488	393,934	-16,547	-4.03%
Kansas	2,178,611	6	5	-1	84,205	335,125	368	450	435,722	25,241	6.15%
Kentucky	3,038,156	8	7	-1	53,439	366,691	386	443	434,022	23,541	5.74%
Louisiana	3,257,022	8	8	0	248,517	172,279	412	468	407,128	-3,353	-0.82%
Maine	969,265	3	2	-1	42,697	386,304	266	456	484,633	74,152	18.06%
Maryland	3,100,689	7	8	1	404,850	15,946	434	494	387,586	-22,895	-5.58%
Massachusetts	5,148,578	14	12	-2	11,436	412,576	400	436	429,048	18,567	4.52%
Michigan	7,823,194	18	19	1	230,226	199,982	425	447	411,747	1,266	0.31%
Minnesota	3,413,864	9	8	-1	91,675	329,121	394	446	426,733	16,252	3.96%
Mississippi	2,178,141	6	5	-1	84,675	334,655	369	451	435,628	25,147	6.13%
Missouri	4,319,813	11	10	-1	13,149	409,188	396	437	431,981	21,500	5.24%
Montana	674,767	2	2	0	337,195	91,806	377	630	337,384	-73,097	-17.81%
Nebraska	1,411,330	4	3	-1	19,801	401,611	316	442	470,443	59,962	14.61%
Nevada	285,278	1	1	0			at large	820	285,278	-125,203	-30.50%
New Hampshire	606,921	2	2	0	405,041	23,960	418	694	303,461	-107,020	-26.07%
New Jersey	6,066,782	14	15	1	333,427	93,203	428	461	404,452	-6,029	-1.47%
New Mexico	951,023	2	2	0	60,939	368,062	270	464	475,512	65,031	15.84%
New York	16,782,304	43	41	-2	361,417	88,823	433	445	409,324	-1,156	-0.28%
North Carolina	4,556,155	12	11	-1	190,367	232,796	414	453	414,196	3,715	0.91%
North Dakota	632,446	2	2	0	379,516	49,485	404	668	316,223	-94,258	-22.96%
Ohio	9,706,397	23	24	1	413,222	21,511	435	455	404,433	-6,048	-1.47%
Oklahoma	2,328,284	6	6	0	349,116	70,484	423	503	388,047	-22,434	-5.47%
Oregon	1,768,687	4	4	0	78,895	340,729	353	457	442,172	31,691	7.72%
Pennsylvania	11,319,366	30	27	-3	39,878	397,583	420	438	419,236	8,755	2.13%
Rhode Island	859,488	2	2	0	152,474	276,527	302	510	429,744	19,263	4.69%
South Carolina	2,382,594	6	6	0	294,806	124,794	413	490	397,099	-13,382	-3.26%
South Dakota	680,514	2	2	0	331,448	97,553	374	624	340,257	-70,224	-17.11%
Tennessee	3,567,089	9	9	0	352,223	69,320	426	479	396,343	-14,138	-3.44%
Texas	9,579,677	22	23	1	126,721	307,105	421	441	416,508	6,027	1.47%
Utah	890,627	2	2	0	121,335	307,666	285	497	445,314	34,833	8.49%
Vermont	389,881	1	1	0			at large	628	389,881	-20,600	-5.02%
Virginia	3,966,949	10	10	0	366,013	56,324	429	476	396,695	-13,786	-3.36%
Washington	2,853,214	7	7	0	238,381	181,749	409	472	407,602	-2,879	-0.70%
West Virginia	1,860,421	6	5	-1	402,395	16,935	431	528	372,084	-38,397	-9.35%
Wisconsin	3,951,777	10	10	0	381,185	41,152	430	478	395,178	-15,303	-3.73%
Wyoming	330,066	1	1	0			at large	731	330,066	-80,415	-19.59%
Washington DC		0									
US Total	178,559,219		435						410,481		
			435								
								Median =	410,536		
Other Inputs:	Seats to Apportion							Min =	226,167	-184,314	-44.90
	435 Max Seats to Calculate							Max =	484,633	74,152	18.06
	50 States							Total Dev			62.97
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	226,167	-184,314	-44.90
								Max =	446,292	35,811	8.72
								Total Dev			53.63
								Multiple District States only			
								Min =	303,461	-107,020	-26.07
								Max =	484,633	74,152	18.06
								Total Dev			44.14

Using Official 1970 State populations											
State	Population	Compare To 1960	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	3,475,885	8	7	-1	56,562	417,031	381	443	496,555	27,467	5.86%
Alaska	304,067	1	1	0			at large	862	304,067	-165,021	-35.18%
Arizona	1,787,620	3	4	1	323,421	152,594	397	515	446,905	-22,183	-4.73%
Arkansas	1,942,303	4	4	0	168,738	307,277	364	472	485,576	16,488	3.51%
California	20,098,863	38	43	5	433,652	40,615	434	445	467,415	-1,673	-0.36%
Colorado	2,226,771	4	5	1	358,716	115,962	413	506	445,354	-23,734	-5.06%
Connecticut	3,050,693	6	6	0	8,496	465,490	365	437	508,449	39,361	8.39%
Delaware	551,928	1	1	0			at large	525	551,928	82,840	17.66%
Florida	6,855,702	12	15	3	457,157	15,896	433	461	457,047	-12,041	-2.57%
Georgia	4,627,306	10	10	0	323,523	149,602	423	465	462,731	-6,358	-1.36%
Hawaii	784,901	2	2	0	371,364	117,405	367	617	392,451	-76,638	-16.34%
Idaho	719,921	2	2	0	436,344	52,425	400	665	359,961	-109,128	-23.26%
Illinois	11,184,320	24	24	0	378,325	95,032	432	451	466,013	-3,075	-0.66%
Indiana	5,228,156	11	11	0	195,206	277,868	411	452	475,287	6,199	1.32%
Iowa	2,846,920	7	6	-1	212,269	261,717	395	466	474,487	5,399	1.15%
Kansas	2,265,846	5	5	0	319,641	155,037	404	494	453,169	-15,919	-3.39%
Kentucky	3,246,481	7	7	0	285,966	187,627	408	473	463,783	-5,305	-1.13%
Louisiana	3,672,008	8	8	0	333,410	139,948	420	474	459,001	-10,087	-2.15%
Maine	1,006,320	2	2	0	149,945	338,824	294	498	503,160	34,072	7.26%
Maryland	3,953,698	8	8	0	51,720	421,638	387	441	494,212	25,124	5.36%
Massachusetts	5,726,676	12	12	0	169,140	303,907	412	448	477,223	8,135	1.73%
Michigan	8,937,196	19	19	0	264,617	208,544	426	449	470,379	1,291	0.28%
Minnesota	3,833,173	8	8	0	172,245	301,113	398	454	479,147	10,059	2.14%
Mississippi	2,233,848	5	5	0	351,639	123,039	409	503	446,770	-22,319	-4.76%
Missouri	4,718,034	10	10	0	232,795	240,330	415	456	471,803	2,715	0.58%
Montana	701,573	2	2	0	454,692	34,077	418	678	350,787	-118,302	-25.22%
Nebraska	1,496,820	3	3	0	138,385	340,682	337	477	498,940	29,852	6.36%
Nevada	492,396	1	1	0			at large	576	492,396	23,308	4.97%
New Hampshire	746,284	2	2	0	409,981	78,788	389	644	373,142	-95,946	-20.45%
New Jersey	7,208,035	15	15	0	104,824	368,229	414	442	480,536	11,448	2.44%
New Mexico	1,026,664	2	2	0	129,601	359,168	282	486	513,332	44,244	9.43%
New York	18,338,055	41	39	-2	306,150	167,917	430	444	470,207	1,118	0.24%
North Carolina	5,125,230	11	11	0	298,132	174,942	422	459	465,930	-3,158	-0.67%
North Dakota	624,181	2	1	-1			at large	464	624,181	155,093	33.06%
Ohio	10,730,200	24	23	-1	360,300	113,015	429	450	466,530	-2,558	-0.55%
Oklahoma	2,585,486	6	6	0	473,703	283	435	516	430,914	-38,174	-8.14%
Oregon	2,110,810	4	4	0	231	475,784	341	436	527,703	58,614	12.50%
Pennsylvania	11,884,314	27	25	-2	150,469	322,932	424	440	475,373	6,284	1.34%
Rhode Island	957,798	2	2	0	198,467	290,302	308	524	478,899	9,811	2.09%
South Carolina	2,617,320	6	6	0	441,869	32,117	428	511	436,220	-32,868	-7.01%
South Dakota	673,247	2	2	0	483,018	5,751	431	705	336,624	-132,465	-28.24%
Tennessee	3,961,060	9	8	-1	44,358	429,000	386	439	495,133	26,044	5.55%
Texas	11,298,787	23	24	1	263,858	209,499	427	446	470,783	1,695	0.36%
Utah	1,067,810	2	2	0	88,455	400,314	274	471	533,905	64,817	13.82%
Vermont	448,327	1	1	0			at large	624	448,327	-20,761	-4.43%
Virginia	4,690,742	10	10	0	260,087	213,038	419	458	469,074	-14	0.00%
Washington	3,443,487	7	7	0	88,960	384,633	385	447	491,927	22,839	4.87%
West Virginia	1,763,331	5	4	-1	347,710	128,305	401	521	440,833	-28,255	-6.02%
Wisconsin	4,447,013	10	9	-1	31,181	442,033	391	438	494,113	25,024	5.33%
Wyoming	335,719	1	1	0			at large	799	335,719	-133,369	-28.43%
Washington DC		0									
US Total	204,053,325		435						469,088		
			435					Median =	470,293		
Other Inputs:	Seats to Apportion							Min =	304,067	-165,021	-35.18
	435 Max Seats to Calculate							Max =	624,181	155,093	33.06
	50 States							Total Dev			68.24
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	304,067	-165,021	-35.18
								Max =	624,181	155,093	33.06
								Total Dev			68.24
								Multiple District States only			
								Min =	350,787	-118,302	-25.22
								Max =	533,905	64,817	13.82
								Total Dev			39.04

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	3,893,888	7	7	0	28,716	501,400	378	438	556,270	36,942	7.11%
Alaska	401,851	1	1	0			at large	751	401,851	-117,477	-22.62%
Arizona	2,718,215	4	5	1	152,837	377,176	375	457	543,643	24,315	4.68%
Arkansas	2,286,435	4	4	0	57,769	473,074	344	443	571,609	52,281	10.07%
California	23,667,900	43	45	2	180,845	374,853	427	439	525,953	6,626	1.28%
Colorado	2,889,964	5	6	1	507,110	22,789	431	505	481,661	-37,667	-7.25%
Connecticut	3,107,576	6	6	0	289,498	240,401	397	474	517,929	-1,398	-0.27%
Delaware	594,338	1	1	0			at large	533	594,338	75,010	14.44%
Florida	9,746,324	15	19	4	471,823	65,624	433	452	512,964	-6,363	-1.23%
Georgia	5,463,105	10	10	0	34,540	497,011	393	437	546,311	26,983	5.20%
Hawaii	964,691	2	2	0	319,283	224,390	333	566	482,346	-36,982	-7.12%
Idaho	943,935	2	2	0	340,039	203,634	340	579	471,968	-47,360	-9.12%
Illinois	11,426,520	24	22	-2	364,615	174,909	428	448	519,387	60	0.01%
Indiana	5,490,224	11	10	-1	7,421	524,130	392	436	549,022	29,695	5.72%
Iowa	2,913,808	6	6	0	483,266	46,633	425	500	485,635	-33,693	-6.49%
Kansas	2,363,679	5	5	0	507,373	22,640	430	519	472,736	-46,592	-8.97%
Kentucky	3,660,777	7	7	0	261,827	268,289	399	461	522,968	3,641	0.70%
Louisiana	4,205,900	8	8	0	241,914	288,592	404	459	525,738	6,410	1.23%
Maine	1,124,660	2	2	0	159,314	384,359	287	493	562,330	43,002	8.28%
Maryland	4,216,975	8	8	0	230,839	299,667	402	456	527,122	7,794	1.50%
Massachusetts	5,737,037	12	11	-1	285,332	246,814	418	454	521,549	2,221	0.43%
Michigan	9,262,078	19	18	-1	431,708	105,053	429	451	514,560	-4,768	-0.92%
Minnesota	4,075,970	8	8	0	371,844	158,662	420	472	509,496	-9,831	-1.89%
Mississippi	2,520,638	5	5	0	350,414	179,599	400	490	504,128	-15,200	-2.93%
Missouri	4,916,686	10	9	-1	56,121	474,877	390	440	546,298	26,971	5.19%
Montana	786,690	2	2	0	497,284	46,389	412	677	393,345	-125,983	-24.26%
Nebraska	1,569,825	3	3	0	245,988	287,585	358	497	523,275	3,947	0.76%
Nevada	800,493	1	2	1	483,481	60,192	398	667	400,247	-119,081	-22.93%
New Hampshire	920,610	2	2	0	363,364	180,309	349	592	460,305	-59,023	-11.37%
New Jersey	7,364,823	15	14	-1	231,266	302,796	419	447	526,059	6,731	1.30%
New Mexico	1,302,894	2	3	1	512,919	20,654	426	591	434,298	-85,030	-16.37%
New York	17,558,070	39	34	-5	524,237	23,701	435	446	516,414	-2,914	-0.56%
North Carolina	5,881,766	11	11	0	140,603	391,543	406	442	534,706	15,378	2.96%
North Dakota	652,717	1	1	0			at large	489	652,717	133,389	25.69%
Ohio	10,797,630	23	21	-2	469,190	69,640	434	450	514,173	-5,155	-0.99%
Oklahoma	3,025,290	6	6	0	371,784	158,115	415	484	504,215	-15,113	-2.91%
Oregon	2,633,105	4	5	1	237,947	292,066	385	471	526,621	7,293	1.40%
Pennsylvania	11,863,900	25	23	-2	451,539	88,682	432	449	515,822	-3,506	-0.68%
Rhode Island	947,154	2	2	0	336,820	206,853	338	575	473,577	-45,751	-8.81%
South Carolina	3,121,820	6	6	0	275,254	254,645	396	469	520,303	976	0.19%
South Dakota	690,768	2	1	-1			at large	462	690,768	171,440	33.01%
Tennessee	4,591,120	8	9	1	381,687	149,311	422	467	510,124	-9,203	-1.77%
Texas	14,229,190	24	27	3	183,374	359,643	424	441	527,007	7,680	1.48%
Utah	1,461,037	2	3	1	354,776	178,797	381	531	487,012	-32,315	-6.22%
Vermont	511,456	1	1	0			at large	613	511,456	-7,872	-1.52%
Virginia	5,346,818	10	10	0	150,827	380,724	401	444	534,682	15,354	2.96%
Washington	4,132,156	7	8	1	315,658	214,848	416	464	516,520	-2,808	-0.54%
West Virginia	1,949,644	4	4	0	394,560	136,283	403	515	487,411	-31,917	-6.15%
Wisconsin	4,705,767	9	9	0	267,040	263,958	413	458	522,863	3,535	0.68%
Wyoming	469,557	1	1	0			at large	657	469,557	-49,771	-9.58%
Washington DC		0									
US Total	225,907,474		435						519,328		
			435					Median =	517,224		
Other Inputs:	Seats to Apportion							Min =	393,345	-125,983	-24.26
	435 Max Seats to Calculate							Max =	690,768	171,440	33.01
	50 States							Total Dev			57.27
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	401,851	-117,477	-22.62
								Max =	690,768	171,440	33.01
								Total Dev			55.63
								Multiple District States only			
								Min =	393,345	-125,983	-24.26
								Max =	571,609	52,281	10.07
								Total Dev			34.33

Using Official 1990 State populations											
State	Population	Compare To 1980	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,062,608	7	7	0	248,151	337,171	401	456	580,373	7,906	1.38%
Alaska	551,947	1	1	0			at large	622	551,947	-20,519	-3.58%
Arizona	3,677,985	5	6	1	55,242	529,416	374	442	612,998	40,531	7.08%
Arkansas	2,362,239	4	4	0	213,933	370,909	368	471	590,560	18,094	3.16%
California	29,839,250	45	52	7	401,971	236,002	428	440	573,832	1,366	0.24%
Colorado	3,307,912	6	6	0	425,315	159,343	414	484	551,319	-21,148	-3.69%
Connecticut	3,295,669	6	6	0	437,558	147,100	417	490	549,278	-23,188	-4.05%
Delaware	668,696	1	1	0			at large	523	668,696	96,230	16.81%
Florida	13,003,362	19	23	4	530,734	72,489	432	454	565,364	-7,103	-1.24%
Georgia	6,508,419	10	11	1	109,885	479,369	405	443	591,674	19,208	3.36%
Hawaii	1,115,274	2	2	0	295,754	302,317	318	542	557,637	-14,829	-2.59%
Idaho	1,011,986	2	2	0	399,042	199,029	352	594	505,993	-66,473	-11.61%
Illinois	11,466,682	22	20	-2	338,818	260,843	423	447	573,334	868	0.15%
Indiana	5,564,228	10	10	0	477,429	110,747	424	469	556,423	-16,043	-2.80%
Iowa	2,787,424	6	5	-1	367,729	216,629	402	489	557,485	-14,981	-2.62%
Kansas	2,485,600	5	4	-1	90,572	494,270	351	451	621,400	48,934	8.55%
Kentucky	3,698,969	7	6	-1	34,258	550,400	372	439	616,495	44,029	7.69%
Louisiana	4,238,216	8	7	-1	72,543	512,779	386	444	605,459	32,993	5.76%
Maine	1,233,223	2	2	0	177,805	420,266	290	496	616,612	44,145	7.71%
Maryland	4,798,622	8	8	0	89,320	496,858	393	446	599,828	27,362	4.78%
Massachusetts	6,029,051	11	10	-1	12,606	575,570	396	436	602,905	30,439	5.32%
Michigan	9,328,784	18	16	-2	171,666	423,286	416	445	583,049	10,583	1.85%
Minnesota	4,387,029	8	8	0	500,913	85,265	425	481	548,379	-24,088	-4.21%
Mississippi	2,586,443	5	5	0	568,710	15,648	430	524	517,289	-55,178	-9.64%
Missouri	5,137,804	9	9	0	327,081	260,062	412	458	570,867	-1,599	-0.28%
Montana	803,655	2	1	-1			at large	441	803,655	231,189	40.38%
Nebraska	1,584,617	3	3	0	410,877	176,535	388	539	528,206	-44,261	-7.73%
Nevada	1,206,152	2	2	0	204,876	393,195	295	507	603,076	30,610	5.35%
New Hampshire	1,113,915	2	2	0	297,113	300,958	320	545	556,958	-15,509	-2.71%
New Jersey	7,748,634	14	13	-1	22,697	568,792	407	437	596,049	23,583	4.12%
New Mexico	1,521,779	3	3	0	473,715	113,697	404	563	507,260	-65,207	-11.39%
New York	18,044,505	34	31	-3	98,765	514,014	420	438	582,081	9,615	1.68%
North Carolina	6,657,630	11	12	1	537,225	53,136	427	466	554,803	-17,664	-3.09%
North Dakota	641,364	1	1	0			at large	547	641,364	68,898	12.04%
Ohio	10,887,325	21	19	-2	341,945	256,532	422	449	573,017	551	0.10%
Oklahoma	3,157,604	6	6	0	575,623	9,035	434	512	526,267	-46,199	-8.07%
Oregon	2,853,733	5	5	0	301,420	282,938	395	477	570,747	-1,720	-0.30%
Pennsylvania	11,924,710	23	21	-2	457,002	143,843	426	453	567,843	-4,623	-0.81%
Rhode Island	1,005,984	2	2	0	405,044	193,027	353	600	502,992	-69,474	-12.14%
South Carolina	3,505,707	6	6	0	227,520	357,138	394	460	584,285	11,818	2.06%
South Dakota	699,999	1	1	0			at large	502	699,999	127,533	22.28%
Tennessee	4,896,641	9	9	0	568,244	18,899	433	482	544,071	-28,395	-4.96%
Texas	17,059,805	27	30	3	507,340	104,241	429	448	568,660	-3,806	-0.66%
Utah	1,727,784	3	3	0	267,710	319,702	357	500	575,928	3,462	0.60%
Vermont	564,964	1	1	0			at large	610	564,964	-7,502	-1.31%
Virginia	6,216,568	10	11	1	401,736	187,518	419	459	565,143	-7,324	-1.28%
Washington	4,887,941	8	9	1	576,944	10,199	435	483	543,105	-29,362	-5.13%
West Virginia	1,801,625	4	3	-1	193,869	393,543	346	478	600,542	28,075	4.90%
Wisconsin	4,906,745	9	9	0	558,140	29,003	431	480	545,194	-27,272	-4.76%
Wyoming	455,975	1	1	0			at large	741	455,975	-116,491	-20.35%
Washington DC		0									
US Total	249,022,783		435						572,466		
			435					Median =	570,807		
Other Inputs:	Seats to Apportion							Min =	455,975	-116,491	-20.35
	435 Max Seats to Calculate							Max =	803,655	231,189	40.38
	60 States							Total Dev			60.73
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	455,975	-116,491	-20.35
								Max =	803,655	231,189	40.38
								Total Dev			60.73
								Multiple District States only			
								Min =	502,992	-69,474	-12.14
								Max =	621,400	48,934	8.55
								Total Dev			20.68

apportionment1_2000Pop.xls

Using Official 2000 State populations, with Military Overseas											
State	Population	Compare To 1990	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,461,130	7	7	0	372,574	276,622	411	477	637,304	-9,648	-1.49%
Alaska	628,933	1	1	0			at large	620	628,933	-18,019	-2.79%
Arizona	5,140,683	5	8	3	340,222	308,829	413	466	642,585	-4,367	-0.67%
Arkansas	2,679,733	4	4	0	208,958	443,020	367	474	669,933	22,981	3.55%
California	33,930,798	45	53	8	624,991	33,941	434	444	640,204	-6,748	-1.04%
Colorado	4,311,882	6	7	1	521,822	127,374	424	490	615,983	-30,969	-4.79%
Connecticut	3,409,535	6	5	-1	128,374	521,950	372	457	681,907	34,955	5.40%
Delaware	785,068	1	1	0			at large	504	785,068	138,116	21.35%
Florida	16,028,890	19	25	6	439,179	212,934	432	448	641,156	-5,797	-0.90%
Georgia	8,206,975	10	13	3	507,108	142,388	430	462	631,306	-15,646	-2.42%
Hawaii	1,216,642	2	2	0	365,559	303,508	329	560	608,321	-38,631	-5.97%
Idaho	1,297,274	2	2	0	284,927	384,140	308	525	648,637	1,685	0.26%
Illinois	12,439,042	22	19	-3	152,468	498,257	419	442	654,686	7,734	1.20%
Indiana	6,090,782	10	9	-1	37,056	611,974	394	440	676,754	29,801	4.61%
Iowa	2,931,923	6	5	-1	605,986	44,338	431	519	586,385	-60,568	-9.36%
Kansas	2,693,824	5	4	-1	194,867	457,111	365	470	673,456	26,504	4.10%
Kentucky	4,049,431	7	6	-1	136,679	512,876	387	451	674,905	27,953	4.32%
Louisiana	4,480,271	8	7	-1	353,433	295,763	408	475	640,039	-6,913	-1.07%
Maine	1,277,731	2	2	0	304,470	364,597	316	538	638,866	-8,087	-1.25%
Maryland	5,307,886	8	8	0	173,019	476,032	401	450	663,486	16,534	2.56%
Massachusetts	6,355,568	11	10	-1	419,012	230,075	422	464	635,557	-11,395	-1.76%
Michigan	9,955,829	18	15	-3	50,888	598,984	412	439	663,722	16,770	2.59%
Minnesota	4,925,670	8	8	0	555,235	93,816	429	486	615,709	-31,243	-4.83%
Mississippi	2,852,927	5	4	-1	35,764	616,214	342	443	713,232	66,280	10.24%
Missouri	5,606,260	9	9	0	521,578	127,452	427	478	622,918	-24,034	-3.72%
Montana	905,316	2	1	-1			at large	441	905,316	258,364	39.94%
Nebraska	1,715,369	3	3	0	522,201	133,774	405	562	571,790	-75,162	-11.62%
Nevada	2,002,032	2	3	1	235,538	420,437	348	489	667,344	20,392	3.15%
New Hampshire	1,238,415	2	2	0	343,786	325,281	324	555	619,208	-27,745	-4.29%
New Jersey	8,424,354	14	13	-1	289,729	359,767	418	452	648,027	1,075	0.17%
New Mexico	1,823,821	3	3	0	413,749	242,226	384	531	607,940	-39,012	-6.03%
New York	19,004,973	34	29	-5	47,249	605,820	423	437	655,344	8,392	1.30%
North Carolina	8,067,673	11	13	2	646,410	3,086	435	476	620,590	-26,362	-4.07%
North Dakota	643,756	1	1	0			at large	607	643,756	-3,196	-0.49%
Ohio	11,374,540	21	18	-3	570,815	79,688	433	460	631,919	-15,033	-2.32%
Oklahoma	3,458,819	6	5	-1	79,090	571,234	368	446	691,764	44,812	6.93%
Oregon	3,428,543	5	5	0	109,366	540,958	370	449	685,709	38,756	5.99%
Pennsylvania	12,300,670	23	19	-4	290,840	359,885	425	447	647,404	452	0.07%
Rhode Island	1,049,662	2	2	0	532,539	136,528	385	639	524,831	-122,121	-18.88%
South Carolina	4,025,061	6	6	0	161,049	488,506	389	458	670,844	23,891	3.69%
South Dakota	756,874	1	1	0			at large	520	756,874	109,922	16.99%
Tennessee	5,700,037	9	9	0	427,801	221,229	421	471	633,337	-13,615	-2.10%
Texas	20,903,994	27	32	5	86,273	567,520	426	438	653,250	6,298	0.97%
Utah	2,236,714	3	3	0	856	655,119	310	436	745,571	98,619	15.24%
Vermont	609,890	1	1	0			at large	633	609,890	-37,062	-5.73%
Virginia	7,100,702	10	11	1	320,478	328,715	417	459	645,518	-1,434	-0.22%
Washington	5,908,684	8	9	1	219,154	429,876	407	455	656,520	9,568	1.48%
West Virginia	1,813,077	4	3	-1	424,493	231,482	386	537	604,359	-42,593	-6.58%
Wisconsin	5,371,210	9	8	-1	109,695	539,356	395	445	671,401	24,449	3.78%
Wyoming	495,304	1	1	0			at large	769	495,304	-151,648	-23.44%
Washington DC		0									
US Total	281,424,177		435						646,952		
			435					Median =	644,637		
Other Inputs:	Seats to Apportion							Min =	495,304	-151,648	-23.44
	435 Max Seats to Calculate							Max =	905,316	258,364	39.94
	60 States							Total Dev			63.38
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	495,304	-151,648	-23.44
								Max =	905,316	258,364	39.94
								Total Dev			63.38
								Multiple District States only			
								Min =	524,831	-122,121	-18.88
								Max =	745,571	98,619	15.24
								Total Dev			34.12

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 00-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,731,765	7	7	0	577,020	136,084	426	493	675,966	-34,010	-4.79%
Alaska	705,115	1	1	0			at large	623	705,115	-4,861	-0.68%
Arizona	6,752,744	8	10	2	687,676	25,356	432	480	675,274	-34,702	-4.89%
Arkansas	2,908,911	4	4	0	263,695	452,416	368	474	727,228	17,251	2.43%
California	37,242,656	53	53	0	709,448	15,073	435	445	702,692	-7,285	-1.03%
Colorado	5,095,094	7	7	0	213,691	499,413	397	456	727,871	17,894	2.52%
Connecticut	3,527,989	5	5	0	357,644	356,668	396	479	705,598	-4,378	-0.62%
Delaware	894,683	1	1	0			at large	492	894,683	184,707	26.02%
Florida	18,784,937	25	26	1	11,244	705,624	424	437	722,498	12,521	1.76%
Georgia	9,993,539	13	14	1	286,878	426,866	419	450	713,824	3,848	0.54%
Hawaii	1,302,629	2	2	0	435,079	299,770	337	582	651,315	-58,662	-8.26%
Idaho	1,570,873	2	2	0	166,835	568,014	284	484	785,436	75,460	10.63%
Illinois	12,952,921	19	18	-1	166,483	548,230	420	442	719,607	9,631	1.36%
Indiana	6,453,271	9	9	0	276,842	436,112	409	457	717,030	7,054	0.99%
Iowa	3,014,835	5	4	-1	157,771	558,340	356	460	753,709	43,732	6.16%
Kansas	2,830,098	4	4	0	342,508	373,604	383	491	707,525	-2,452	-0.35%
Kentucky	4,338,288	6	6	0	259,254	454,229	395	465	723,048	13,072	1.84%
Louisiana	4,494,011	7	6	-1	103,531	609,952	379	447	749,002	39,026	5.50%
Maine	1,322,040	2	2	0	415,668	319,180	333	574	661,020	-48,956	-6.90%
Maryland	5,735,610	8	8	0	283,986	428,975	406	459	716,951	6,975	0.98%
Massachusetts	6,614,744	10	9	-1	115,369	597,585	401	444	734,972	24,995	3.52%
Michigan	9,972,338	15	14	-1	308,078	405,665	422	451	712,310	2,334	0.33%
Minnesota	5,297,144	8	7	-1	11,641	701,463	382	438	756,735	46,759	6.59%
Mississippi	2,961,278	4	4	0	211,328	504,783	364	468	740,319	30,343	4.27%
Missouri	6,022,430	9	9	0	707,683	5,271	434	490	669,159	-40,817	-5.75%
Montana	981,545	1	1	0			at large	446	981,545	271,569	38.25%
Nebraska	1,804,087	3	3	0	653,403	67,083	425	595	601,362	-108,614	-15.30%
Nevada	2,714,160	3	4	1	458,445	257,666	400	507	678,540	-31,436	-4.43%
New Hampshire	1,332,505	2	2	0	405,203	329,646	330	565	666,253	-43,724	-6.16%
New Jersey	8,733,038	13	12	-1	127,567	585,767	410	443	727,753	17,777	2.50%
New Mexico	2,027,222	3	3	0	430,268	290,218	377	530	675,741	-34,236	-4.82%
New York	19,589,907	29	28	-1	625,341	92,083	430	452	699,640	-10,337	-1.46%
North Carolina	9,510,534	13	13	0	60,013	653,516	408	440	731,580	21,603	3.04%
North Dakota	647,234	1	1	0			at large	667	647,234	-62,742	-8.84%
Ohio	11,558,700	18	16	-2	141,291	572,921	416	441	722,419	12,443	1.75%
Oklahoma	3,708,101	5	5	0	177,532	536,780	375	458	741,620	31,644	4.46%
Oregon	3,863,322	5	5	0	22,311	692,001	360	439	772,664	62,688	8.83%
Pennsylvania	12,632,453	19	18	-1	486,952	227,762	429	455	701,803	-8,173	-1.15%
Rhode Island	1,053,619	2	2	0	684,089	50,759	417	709	526,809	-183,167	-25.80%
South Carolina	4,613,296	6	7	1	695,488	17,616	431	501	659,042	-50,934	-7.17%
South Dakota	817,544	1	1	0			at large	534	817,544	107,568	15.15%
Tennessee	6,352,232	9	9	0	377,881	335,073	415	463	705,804	-4,173	-0.59%
Texas	25,171,582	32	35	3	10,192	709,202	427	436	719,188	9,212	1.30%
Utah	2,841,864	3	4	1	330,742	385,369	380	489	710,466	490	0.07%
Vermont	622,861	1	1	0			at large	693	622,861	-87,115	-12.27%
Virginia	7,957,153	11	11	0	193,418	519,745	412	448	723,378	13,401	1.89%
Washington	6,736,750	9	10	1	703,670	9,362	433	483	673,675	-36,301	-5.11%
West Virginia	1,820,736	3	3	0	636,754	83,732	418	591	606,912	-103,064	-14.52%
Wisconsin	5,680,346	8	8	0	339,250	373,711	411	464	710,043	67	0.01%
Wyoming	548,907	1	1	0			at large	779	548,907	-161,069	-22.69%
Washington DC	602,068	0									
US Total	308,839,637		435						709,976		
			435								
								Median =	711,388		
Other Inputs:	Seats to Apportion							Min =	526,809	-183,167	-25.80
	435 Max Seats to Calculate							Max =	981,545	271,569	38.25
	75 States							Total Dev			64.05
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	548,907	-161,069	-22.69
								Max =	981,545	271,569	38.25
								Total Dev			60.94
								Multiple District States only			
								Min =	526,809	-183,167	-25.80
								Max =	785,436	75,460	10.63
								Total Dev			36.43

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 04-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,739,470	7	7	0	567,738	149,607	426	491	677,067	-32,495	-4.58%
Alaska	704,317	1	1	0			at large	624	704,317	-5,245	-0.74%
Arizona	6,739,449	8	10	2	698,760	20,577	433	481	673,945	-35,617	-5.02%
Arkansas	2,912,065	4	4	0	259,598	458,680	368	474	728,016	18,454	2.60%
California	37,180,457	53	52	-1	51,134	708,265	429	436	715,009	5,447	0.77%
Colorado	5,094,400	7	7	0	212,807	504,537	397	456	727,771	18,209	2.57%
Connecticut	3,524,922	5	5	0	359,556	357,616	396	479	704,984	-4,578	-0.65%
Delaware	894,515	1	1	0			at large	493	894,515	184,953	26.07%
Florida	18,724,046	25	26	1	66,549	667,621	425	438	720,156	10,593	1.49%
Georgia	9,980,647	13	14	1	296,715	426,084	420	450	712,903	3,341	0.47%
Hawaii	1,301,753	2	2	0	435,439	300,163	337	583	650,876	-58,686	-8.27%
Idaho	1,571,472	2	2	0	165,719	569,883	283	484	785,736	76,174	10.74%
Illinois	12,951,010	19	18	-1	164,496	562,022	419	442	719,501	9,938	1.40%
Indiana	6,455,463	9	9	0	272,650	445,921	409	457	717,274	7,711	1.09%
Iowa	3,018,056	5	4	-1	153,607	564,671	354	459	754,514	44,952	6.34%
Kansas	2,832,370	4	4	0	339,294	378,985	381	492	708,092	-1,470	-0.21%
Kentucky	4,340,033	6	6	0	256,144	460,891	395	464	723,339	13,777	1.94%
Louisiana	4,492,489	7	6	-1	103,688	613,346	380	447	748,748	39,186	5.52%
Maine	1,319,820	2	2	0	417,372	318,230	333	575	659,910	-49,652	-7.00%
Maryland	5,723,666	8	8	0	294,141	423,749	406	460	715,458	5,896	0.83%
Massachusetts	6,615,404	10	9	-1	112,709	605,863	400	444	735,045	25,483	3.59%
Michigan	9,952,003	15	14	-1	325,359	397,441	422	452	710,857	1,295	0.18%
Minnesota	5,295,276	8	7	-1	11,931	705,413	383	437	756,468	46,906	6.61%
Mississippi	2,962,121	4	4	0	209,542	508,736	363	468	740,530	30,968	4.36%
Missouri	6,023,318	9	9	0	704,795	13,777	434	489	669,258	-40,305	-5.68%
Montana	982,745	1	1	0			at large	446	982,745	273,183	38.50%
Nebraska	1,805,039	3	3	0	651,720	70,235	423	594	601,680	-107,882	-15.20%
Nevada	2,696,609	3	4	1	475,054	243,224	401	513	674,152	-35,410	-4.99%
New Hampshire	1,329,464	2	2	0	407,728	327,874	330	568	664,732	-44,830	-6.32%
New Jersey	8,722,332	13	12	-1	135,640	585,374	410	443	726,861	17,299	2.44%
New Mexico	2,028,448	3	3	0	428,311	293,644	377	529	676,149	-33,413	-4.71%
New York	19,578,442	29	28	-1	630,799	105,301	431	451	699,230	-10,332	-1.46%
North Carolina	9,521,015	13	13	0	46,688	675,210	408	440	732,386	22,824	3.22%
North Dakota	648,451	1	1	0			at large	666	648,451	-61,111	-8.61%
Ohio	11,554,433	18	16	-2	142,082	582,561	416	441	722,152	12,590	1.77%
Oklahoma	3,714,212	5	5	0	170,266	546,905	375	458	742,842	33,280	4.69%
Oregon	3,866,149	5	5	0	18,329	698,842	360	439	773,230	63,668	8.97%
Pennsylvania	12,637,794	19	18	-1	477,712	248,806	428	453	702,100	-7,463	-1.05%
Rhode Island	1,050,525	2	2	0	686,667	48,935	418	709	525,262	-184,300	-25.97%
South Carolina	4,619,858	6	7	1	687,349	29,995	430	501	659,980	-49,583	-6.99%
South Dakota	818,379	1	1	0			at large	534	818,379	108,817	15.34%
Tennessee	6,356,829	9	9	0	371,284	347,287	415	462	706,314	-3,248	-0.46%
Texas	25,174,291	32	36	4	709,274	34,574	435	449	699,286	-10,276	-1.45%
Utah	2,843,769	3	4	1	327,894	390,384	379	487	710,942	1,380	0.19%
Vermont	622,305	1	1	0			at large	694	622,305	-87,257	-12.30%
Virginia	7,948,078	11	11	0	200,071	520,086	412	448	722,553	12,990	1.83%
Washington	6,741,767	9	10	1	696,442	22,895	432	480	674,177	-35,385	-4.99%
West Virginia	1,822,271	3	3	0	634,489	87,466	417	591	607,424	-102,139	-14.39%
Wisconsin	5,676,842	8	8	0	340,965	376,925	411	465	709,605	43	0.01%
Wyoming	550,971	1	1	0			at large	773	550,971	-158,592	-22.35%
Washington DC	602,738	0									
US Total	308,659,557		435						709,562		
			435								
								Median =	710,900		
Other Inputs:	Seats to Apportion							Min =	525,262	-184,300	-25.97
	435 Max Seats to Calculate							Max =	982,745	273,183	38.50
	75 States							Total Dev			64.47
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	550,971	-158,592	-22.35
								Max =	982,745	273,183	38.50
								Total Dev			60.85
								Multiple District States only			
								Min =	525,262	-184,300	-25.97
								Max =	785,736	76,174	10.74
								Total Dev			36.71

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 05-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,740,499	7	7	0	563,705	149,768	426	492	677,214	-32,307	-4.55%
Alaska	704,143	1	1	0			at large	624	704,143	-5,379	-0.76%
Arizona	6,724,305	8	10	2	709,694	4,162	435	483	672,430	-37,091	-5.23%
Arkansas	2,911,546	4	4	0	258,322	457,697	368	474	727,887	18,365	2.59%
California	37,187,492	53	52	-1	23,029	708,399	429	436	715,144	5,623	0.79%
Colorado	5,098,321	7	7	0	205,882	507,590	397	455	728,332	18,810	2.65%
Connecticut	3,526,042	5	5	0	356,238	358,136	396	479	705,208	-4,313	-0.61%
Delaware	894,056	1	1	0			at large	493	894,056	184,535	26.01%
Florida	18,685,359	25	26	1	94,603	625,516	425	440	718,668	9,146	1.29%
Georgia	9,977,457	13	14	1	294,089	421,087	420	450	712,676	3,154	0.44%
Hawaii	1,300,752	2	2	0	435,457	298,973	337	583	650,376	-59,146	-8.34%
Idaho	1,570,181	2	2	0	166,027	568,402	283	484	785,091	75,569	10.65%
Illinois	12,955,475	19	18	-1	152,609	564,143	419	442	719,749	10,227	1.44%
Indiana	6,455,853	9	9	0	268,452	445,175	409	456	717,317	7,795	1.10%
Iowa	3,019,024	5	4	-1	150,844	565,175	354	459	754,756	45,234	6.38%
Kansas	2,833,585	4	4	0	336,283	379,736	381	490	708,396	-1,125	-0.16%
Kentucky	4,339,608	6	6	0	253,967	459,732	395	464	723,268	13,747	1.94%
Louisiana	4,491,025	7	6	-1	102,551	611,148	380	447	748,504	38,983	5.49%
Maine	1,319,558	2	2	0	416,651	317,779	333	574	659,779	-49,743	-7.01%
Maryland	5,721,867	8	8	0	292,535	420,947	406	460	715,233	5,712	0.81%
Massachusetts	6,620,515	10	9	-1	103,790	609,837	400	444	735,613	26,091	3.68%
Michigan	9,947,343	15	14	-1	324,203	390,973	422	452	710,525	1,003	0.14%
Minnesota	5,297,085	8	7	-1	7,119	706,354	382	437	756,726	47,205	6.65%
Mississippi	2,961,898	4	4	0	207,971	508,049	363	468	740,474	30,953	4.36%
Missouri	6,022,564	9	9	0	701,742	11,885	433	489	669,174	-40,348	-5.69%
Montana	982,848	1	1	0			at large	446	982,848	273,327	38.52%
Nebraska	1,805,253	3	3	0	650,116	70,120	423	594	601,751	-107,770	-15.19%
Nevada	2,691,285	3	4	1	478,583	237,436	401	516	672,821	-36,700	-5.17%
New Hampshire	1,328,995	2	2	0	407,214	327,215	330	567	664,497	-45,024	-6.35%
New Jersey	8,724,006	13	12	-1	128,953	585,509	410	443	727,001	17,479	2.46%
New Mexico	2,027,982	3	3	0	427,387	292,849	377	529	675,994	-33,528	-4.73%
New York	19,581,363	29	28	-1	616,441	104,538	431	451	699,334	-10,187	-1.44%
North Carolina	9,525,224	13	13	0	37,065	677,745	408	438	732,710	23,188	3.27%
North Dakota	649,035	1	1	0			at large	666	649,035	-60,486	-8.52%
Ohio	11,555,354	18	16	-2	134,542	581,406	416	441	722,210	12,688	1.79%
Oklahoma	3,717,241	5	5	0	165,039	549,336	374	458	743,448	33,927	4.78%
Oregon	3,866,855	5	5	0	15,425	698,949	360	439	773,371	63,849	9.00%
Pennsylvania	12,640,281	19	18	-1	467,802	248,950	428	453	702,238	-7,284	-1.03%
Rhode Island	1,051,025	2	2	0	685,184	49,245	418	709	525,512	-184,009	-25.93%
South Carolina	4,622,537	6	7	1	681,667	31,805	430	501	660,362	-49,159	-6.93%
South Dakota	818,690	1	1	0			at large	534	818,690	109,168	15.39%
Tennessee	6,355,423	9	9	0	368,882	344,744	415	463	706,158	-3,363	-0.47%
Texas	25,185,873	32	36	4	683,044	41,400	434	449	699,608	-9,914	-1.40%
Utah	2,844,087	3	4	1	325,781	390,238	379	487	711,022	1,500	0.21%
Vermont	622,315	1	1	0			at large	694	622,315	-87,207	-12.29%
Virginia	7,944,865	11	11	0	198,673	515,467	412	448	722,260	12,739	1.80%
Washington	6,744,603	9	10	1	689,397	24,460	432	480	674,460	-35,061	-4.94%
West Virginia	1,822,776	3	3	0	632,593	87,643	417	591	607,592	-101,929	-14.37%
Wisconsin	5,676,458	8	8	0	337,943	375,538	411	465	709,557	36	0.01%
Wyoming	551,936	1	1	0			at large	772	551,936	-157,586	-22.21%
Washington DC	603,058	0									
US Total	308,641,863		435						709,522		
			435								
								Median =	710,773		
Other Inputs:	Seats to Apportion							Min =	525,512	-184,009	-25.93
	435 Max Seats to Calculate							Max =	982,848	273,327	38.52
	75 States							Total Dev			64.46
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	551,936	-157,586	-22.21
								Max =	982,848	273,327	38.52
								Total Dev			60.73
								Multiple District States only			
								Min =	525,512	-184,009	-25.93
								Max =	785,091	75,569	10.65
								Total Dev			36.58

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 06-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,737,133	7	7	0	566,426	150,355	426	491	676,733	-32,681	-4.61%
Alaska	703,925	1	1	0			at large	622	703,925	-5,489	-0.77%
Arizona	6,703,277	8	9	1	20,212	697,774	395	437	744,809	35,395	4.99%
Arkansas	2,908,529	4	4	0	260,954	456,793	368	474	727,132	17,718	2.50%
California	37,213,985	53	53	0	700,766	58,518	434	446	702,151	-7,263	-1.02%
Colorado	5,096,557	7	7	0	207,003	509,779	397	455	728,080	18,666	2.63%
Connecticut	3,526,648	5	5	0	355,160	361,471	396	478	705,330	-4,084	-0.58%
Delaware	893,449	1	1	0			at large	495	893,449	184,035	25.94%
Florida	18,653,127	25	26	1	124,554	608,837	425	440	717,428	8,014	1.13%
Georgia	9,960,668	13	14	1	309,631	412,527	421	451	711,476	2,062	0.29%
Hawaii	1,300,148	2	2	0	435,850	299,231	338	584	650,074	-59,340	-8.36%
Idaho	1,567,279	2	2	0	168,719	566,362	284	483	783,639	74,225	10.46%
Illinois	12,959,236	19	18	-1	147,256	578,575	419	442	719,958	10,544	1.49%
Indiana	6,454,051	9	9	0	269,438	448,549	409	456	717,117	7,703	1.09%
Iowa	3,018,882	5	4	-1	150,602	567,146	354	459	754,720	45,306	6.39%
Kansas	2,834,869	4	4	0	334,614	383,134	381	490	708,717	-697	-0.10%
Kentucky	4,338,330	6	6	0	254,688	461,795	394	463	723,055	13,641	1.92%
Louisiana	4,558,750	7	6	-1	34,267	682,215	373	441	759,792	50,378	7.10%
Maine	1,319,138	2	2	0	416,860	318,221	333	574	659,569	-49,845	-7.03%
Maryland	5,721,638	8	8	0	292,033	425,283	406	460	715,205	5,791	0.82%
Massachusetts	6,626,009	10	9	-1	97,479	620,507	400	445	736,223	26,809	3.78%
Michigan	9,941,864	15	14	-1	328,434	393,724	424	452	710,133	719	0.10%
Minnesota	5,296,356	8	7	-1	7,204	709,578	383	436	756,622	47,208	6.65%
Mississippi	2,965,967	4	4	0	203,516	514,231	363	468	741,492	32,078	4.52%
Missouri	6,019,759	9	9	0	703,729	14,257	433	489	668,862	-40,552	-5.72%
Montana	982,397	1	1	0			at large	447	982,397	272,983	38.48%
Nebraska	1,805,851	3	3	0	649,220	72,212	422	594	601,950	-107,464	-15.15%
Nevada	2,682,751	3	4	1	486,732	231,016	401	518	670,688	-38,726	-5.46%
New Hampshire	1,327,776	2	2	0	408,222	326,859	330	567	663,888	-45,526	-6.42%
New Jersey	8,728,948	13	12	-1	122,936	597,459	410	444	727,412	17,998	2.54%
New Mexico	2,027,016	3	3	0	428,056	293,377	378	529	675,672	-33,742	-4.76%
New York	19,588,117	29	28	-1	607,235	128,064	431	450	699,576	-9,838	-1.39%
North Carolina	9,516,807	13	13	0	44,320	676,947	407	439	732,062	22,648	3.19%
North Dakota	649,402	1	1	0			at large	666	649,402	-60,012	-8.46%
Ohio	11,555,237	18	16	-2	133,238	590,740	416	443	722,202	12,788	1.80%
Oklahoma	3,716,118	5	5	0	165,691	550,940	375	457	743,224	33,810	4.77%
Oregon	3,864,176	5	5	0	17,632	698,999	360	438	772,835	63,421	8.94%
Pennsylvania	12,638,531	19	18	-1	467,961	257,871	429	453	702,141	-7,273	-1.03%
Rhode Island	1,051,474	2	2	0	684,524	50,557	418	709	525,737	-183,677	-25.89%
South Carolina	4,619,538	6	7	1	684,021	32,760	430	501	659,934	-49,480	-6.97%
South Dakota	818,530	1	1	0			at large	533	818,530	109,116	15.38%
Tennessee	6,349,710	9	9	0	373,779	344,208	415	464	705,523	-3,891	-0.55%
Texas	25,156,989	32	36	4	708,787	34,169	435	449	698,805	-10,609	-1.50%
Utah	2,838,687	3	4	1	330,796	386,952	380	488	709,672	258	0.04%
Vermont	622,205	1	1	0			at large	694	622,205	-87,209	-12.29%
Virginia	7,943,303	11	11	0	199,246	520,303	412	448	722,118	12,705	1.79%
Washington	6,740,527	9	10	1	692,569	26,171	432	480	674,053	-35,361	-4.98%
West Virginia	1,822,934	3	3	0	632,137	89,295	417	590	607,645	-101,769	-14.35%
Wisconsin	5,675,857	8	8	0	337,814	379,502	411	465	709,482	68	0.01%
Wyoming	552,609	1	1	0			at large	770	552,609	-156,805	-22.10%
Washington DC	603,682	0									
US Total	308,595,063		435						709,414		
			435								
								Median =	709,902		
Other Inputs:	Seats to Apportion							Min =	525,737	-183,677	-25.89
	435 Max Seats to Calculate							Max =	982,397	272,983	38.48
	75 States							Total Dev			64.37
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	552,609	-156,805	-22.10
								Max =	982,397	272,983	38.48
								Total Dev			60.58
								Multiple District States only			
								Min =	525,737	-183,677	-25.89
								Max =	783,639	74,225	10.46
								Total Dev			36.35

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 07-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,735,665	7	7	0	566,540	150,279	426	491	676,524	-32,649	-4.60%
Alaska	704,683	1	1	0			at large	620	704,683	-4,490	-0.63%
Arizona	6,686,569	8	9	1	35,202	682,889	396	438	742,952	33,779	4.76%
Arkansas	2,907,466	4	4	0	261,208	456,474	368	474	726,866	17,694	2.49%
California	37,243,093	53	53	0	661,975	98,901	433	446	702,700	-6,473	-0.91%
Colorado	5,095,760	7	7	0	206,445	510,374	397	455	727,966	18,793	2.65%
Connecticut	3,529,503	5	5	0	351,314	365,286	395	478	705,901	-3,272	-0.46%
Delaware	892,884	1	1	0			at large	495	892,884	183,711	25.91%
Florida	18,636,887	25	26	1	135,998	598,073	425	440	716,803	7,631	1.08%
Georgia	9,943,438	13	14	1	324,237	398,195	423	451	710,246	1,073	0.15%
Hawaii	1,302,157	2	2	0	433,398	301,544	337	583	651,078	-58,094	-8.19%
Idaho	1,563,802	2	2	0	171,753	563,189	284	483	781,901	72,728	10.26%
Illinois	12,960,035	19	18	-1	143,110	583,131	419	441	720,002	10,829	1.53%
Indiana	6,452,338	9	9	0	269,433	448,658	409	456	716,926	7,754	1.09%
Iowa	3,018,889	5	4	-1	149,784	567,897	354	459	754,722	45,550	6.42%
Kansas	2,835,184	4	4	0	333,490	384,192	381	489	708,796	-377	-0.05%
Kentucky	4,336,096	6	6	0	255,748	460,737	394	463	722,683	13,510	1.91%
Louisiana	4,536,711	7	6	-1	55,133	661,352	376	443	756,118	46,946	6.62%
Maine	1,318,674	2	2	0	416,881	318,061	333	573	659,337	-49,836	-7.03%
Maryland	5,724,225	8	8	0	287,910	429,477	406	460	715,528	6,355	0.90%
Massachusetts	6,629,467	10	9	-1	92,304	625,787	400	445	736,607	27,435	3.87%
Michigan	9,939,553	15	14	-1	328,123	394,310	424	452	709,968	795	0.11%
Minnesota	5,294,748	8	7	-1	7,457	709,362	383	436	756,393	47,220	6.66%
Mississippi	2,963,466	4	4	0	205,208	512,474	364	468	740,867	31,694	4.47%
Missouri	6,017,122	9	9	0	704,649	13,442	434	488	668,569	-40,604	-5.73%
Montana	981,774	1	1	0			at large	447	981,774	272,601	38.44%
Nebraska	1,806,785	3	3	0	647,659	73,673	421	594	602,262	-106,911	-15.08%
Nevada	2,672,164	3	4	1	496,510	221,172	402	519	668,041	-41,132	-5.80%
New Hampshire	1,327,302	2	2	0	408,252	326,689	330	567	663,651	-45,522	-6.42%
New Jersey	8,734,848	13	12	-1	114,775	605,827	410	444	727,904	18,731	2.64%
New Mexico	2,025,343	3	3	0	429,101	292,230	378	530	675,114	-34,058	-4.80%
New York	19,586,228	29	28	-1	603,965	132,081	430	450	699,508	-9,665	-1.36%
North Carolina	9,503,840	13	13	0	54,845	666,662	407	439	731,065	21,892	3.09%
North Dakota	650,129	1	1	0			at large	665	650,129	-59,044	-8.33%
Ohio	11,550,847	18	16	-2	134,643	589,677	416	442	721,928	12,755	1.80%
Oklahoma	3,715,706	5	5	0	165,111	551,489	374	457	743,141	33,968	4.79%
Oregon	3,861,283	5	5	0	19,534	697,066	360	437	772,257	63,084	8.90%
Pennsylvania	12,635,808	19	18	-1	467,336	258,904	429	454	701,989	-7,183	-1.01%
Rhode Island	1,052,535	2	2	0	683,019	51,922	417	708	526,268	-182,905	-25.79%
South Carolina	4,614,212	6	7	1	687,993	28,826	431	501	659,173	-50,000	-7.05%
South Dakota	818,249	1	1	0			at large	533	818,249	109,077	15.38%
Tennessee	6,343,451	9	9	0	378,321	339,771	415	465	704,828	-4,345	-0.61%
Texas	25,150,564	32	36	4	708,606	35,368	435	449	698,627	-10,546	-1.49%
Utah	2,831,916	3	4	1	336,757	380,925	382	490	707,979	-1,194	-0.17%
Vermont	622,249	1	1	0			at large	693	622,249	-86,924	-12.26%
Virginia	7,944,943	11	11	0	195,526	524,196	412	448	722,268	13,095	1.85%
Washington	6,741,203	9	10	1	689,995	28,885	432	479	674,120	-35,052	-4.94%
West Virginia	1,823,009	3	3	0	631,435	89,897	418	590	607,670	-101,503	-14.31%
Wisconsin	5,674,915	8	8	0	337,221	380,167	411	464	709,364	192	0.03%
Wyoming	552,403	1	1	0			at large	770	552,403	-156,770	-22.11%
Washington DC	604,737	0									
US Total	308,490,120		435						709,173		
			435					Median =	709,666		
Other Inputs:	Seats to Apportion							Min =	526,268	-182,905	-25.79
	435 Max Seats to Calculate							Max =	981,774	272,601	38.44
	75 States							Total Dev			64.23
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	552,403	-156,770	-22.11
								Max =	981,774	272,601	38.44
								Total Dev			60.55
								Multiple District States only			
								Min =	526,268	-182,905	-25.79
								Max =	781,901	72,728	10.26
								Total Dev			36.05

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 08-09 Trend; No Military Overseas factored in											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,732,298	7	7	0	569,027	148,312	426	492	676,043	-32,917	-4.64%
Alaska	706,351	1	1	0			at large	619	706,351	-2,609	-0.37%
Arizona	6,669,151	8	9	1	51,504	667,305	396	438	741,017	32,057	4.52%
Arkansas	2,905,837	4	4	0	262,310	455,594	368	474	726,459	17,499	2.47%
California	37,250,615	53	53	0	648,161	117,766	433	446	702,842	-6,118	-0.86%
Colorado	5,093,118	7	7	0	208,207	509,132	398	455	727,588	18,628	2.63%
Connecticut	3,529,855	5	5	0	350,317	366,605	395	478	705,971	-2,989	-0.42%
Delaware	891,873	1	1	0			at large	495	891,873	182,913	25.80%
Florida	18,624,067	25	26	1	145,702	590,762	425	439	716,310	7,350	1.04%
Georgia	9,929,075	13	14	1	336,895	386,748	424	452	709,220	260	0.04%
Hawaii	1,300,985	2	2	0	434,281	300,678	338	583	650,493	-58,467	-8.25%
Idaho	1,559,687	2	2	0	175,580	559,379	284	484	779,843	70,883	10.00%
Illinois	12,961,266	19	18	-1	139,703	588,142	419	441	720,070	11,110	1.57%
Indiana	6,449,358	9	9	0	271,297	447,512	409	456	716,595	7,635	1.08%
Iowa	3,018,306	5	4	-1	149,842	568,063	354	460	754,576	45,617	6.43%
Kansas	2,834,898	4	4	0	333,249	384,655	381	488	708,725	-235	-0.03%
Kentucky	4,333,869	6	6	0	257,213	459,694	394	464	722,312	13,352	1.88%
Louisiana	4,522,775	7	6	-1	68,307	648,600	377	445	753,796	44,836	6.32%
Maine	1,317,260	2	2	0	418,007	316,952	333	574	658,630	-50,330	-7.10%
Maryland	5,730,316	8	8	0	280,821	437,185	406	459	716,290	7,330	1.03%
Massachusetts	6,631,367	10	9	-1	89,288	629,521	400	444	736,819	27,859	3.93%
Michigan	9,945,238	15	14	-1	320,733	402,910	423	451	710,374	1,414	0.20%
Minnesota	5,293,131	8	7	-1	8,193	709,146	382	436	756,162	47,202	6.66%
Mississippi	2,960,869	4	4	0	207,278	510,626	364	468	740,217	31,257	4.41%
Missouri	6,011,137	9	9	0	709,519	9,290	435	489	667,904	-41,056	-5.79%
Montana	980,242	1	1	0			at large	447	980,242	271,282	38.26%
Nebraska	1,807,712	3	3	0	646,325	75,129	421	594	602,571	-106,389	-15.01%
Nevada	2,663,784	3	4	1	504,364	213,540	402	520	665,946	-43,014	-6.07%
New Hampshire	1,326,606	2	2	0	408,660	326,299	330	567	663,303	-45,657	-6.44%
New Jersey	8,741,165	13	12	-1	106,989	614,626	407	443	728,430	19,471	2.75%
New Mexico	2,027,050	3	3	0	426,987	294,467	376	529	675,683	-33,277	-4.69%
New York	19,596,910	29	28	-1	589,932	148,704	430	450	699,890	-9,070	-1.28%
North Carolina	9,482,647	13	13	0	74,451	648,168	410	440	729,434	20,475	2.89%
North Dakota	650,946	1	1	0			at large	663	650,946	-58,014	-8.18%
Ohio	11,553,589	18	16	-2	129,962	595,766	416	442	722,099	13,139	1.85%
Oklahoma	3,719,700	5	5	0	160,473	556,449	374	457	743,940	34,980	4.93%
Oregon	3,858,017	5	5	0	22,155	694,767	360	437	771,603	62,644	8.84%
Pennsylvania	12,633,654	19	18	-1	467,315	260,530	429	454	701,870	-7,090	-1.00%
Rhode Island	1,052,989	2	2	0	682,277	52,682	417	708	526,495	-182,465	-25.74%
South Carolina	4,605,273	6	7	1	696,052	21,287	431	503	657,896	-51,064	-7.20%
South Dakota	818,329	1	1	0			at large	533	818,329	109,369	15.43%
Tennessee	6,338,477	9	9	0	382,179	336,630	415	465	704,275	-4,685	-0.66%
Texas	25,147,862	32	36	4	707,015	40,336	434	449	698,552	-10,408	-1.47%
Utah	2,828,394	3	4	1	339,753	378,151	383	490	707,099	-1,861	-0.26%
Vermont	622,294	1	1	0			at large	693	622,294	-86,666	-12.22%
Virginia	7,948,695	11	11	0	190,423	530,215	412	448	722,609	13,649	1.93%
Washington	6,738,886	9	10	1	691,078	28,618	432	480	673,889	-35,071	-4.95%
West Virginia	1,823,465	3	3	0	630,572	90,881	418	590	607,822	-101,138	-14.27%
Wisconsin	5,675,245	8	8	0	335,892	382,114	411	463	709,406	446	0.06%
Wyoming	552,916	1	1	0			at large	770	552,916	-156,044	-22.01%
Washington DC	606,961	0									
US Total	308,397,553		435						708,960		
			435					Median =	709,313		
Other Inputs:	Seats to Apportion							Min =	526,495	-182,465	-25.74
	435 Max Seats to Calculate							Max =	980,242	271,282	38.26
	75 States							Total Dev			64.00
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	552,916	-156,044	-22.01
								Max =	980,242	271,282	38.26
								Total Dev			60.28
								Multiple District States only			
								Min =	526,495	-182,465	-25.74
								Max =	779,843	70,883	10.00
								Total Dev			35.74

Using Census Bureau 2009 Estimates, released 12/23/2009; Projected to 2010 using 08-09 Trend; No Military Overseas factored in; 1028 Seats											
State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,732,298	7	16	9	202,304	97,140	1012	1074	295,769	-4,229	-1.41%
Alaska	706,351	1	2	1	26,547	283,221	619	1068	353,175	53,178	17.73%
Arizona	6,669,151	8	22	14	61,280	238,130	993	1042	303,143	3,146	1.05%
Arkansas	2,905,837	4	10	6	232,242	67,395	1009	1117	290,584	-9,414	-3.14%
California	37,250,615	53	125	72	299,207	742	1028	1040	298,005	-1,993	-0.66%
Colorado	5,093,118	7	17	10	140,818	158,615	998	1059	299,595	-402	-0.13%
Connecticut	3,529,855	5	12	7	207,203	92,331	1005	1092	294,155	-5,843	-1.95%
Delaware	891,873	1	3	2	144,601	158,991	852	1200	297,291	-2,707	-0.90%
Florida	18,624,067	25	62	37	75,593	223,987	1019	1033	300,388	391	0.13%
Georgia	9,929,075	13	33	20	93,147	206,286	1011	1043	300,881	883	0.29%
Hawaii	1,300,985	2	4	2	37,097	264,533	825	1061	325,246	25,249	8.42%
Idaho	1,559,687	2	5	3	79,122	221,632	884	1084	311,937	11,940	3.98%
Illinois	12,961,266	19	43	24	53,255	246,224	1013	1034	301,425	1,427	0.48%
Indiana	6,449,358	9	22	13	281,073	18,338	1025	1076	293,153	-6,845	-2.28%
Iowa	3,018,306	5	10	5	119,774	179,863	970	1071	301,831	1,833	0.61%
Kansas	2,834,898	4	9	5	3,602	296,118	925	1031	314,989	14,991	5.00%
Kentucky	4,333,869	6	14	8	2,011	297,466	962	1030	309,562	9,564	3.19%
Louisiana	4,522,775	7	15	8	112,476	186,982	988	1056	301,518	1,521	0.51%
Maine	1,317,260	2	4	2	20,822	280,807	812	1048	329,315	29,317	9.77%
Maryland	5,730,316	8	19	11	102,247	197,172	994	1051	301,596	1,598	0.53%
Massachusetts	6,631,367	10	22	12	99,064	200,347	1001	1046	301,426	1,428	0.48%
Michigan	9,945,238	15	33	18	76,984	222,449	1010	1039	301,371	1,373	0.46%
Minnesota	5,293,131	8	18	10	240,124	59,301	1020	1078	294,063	-5,935	-1.98%
Mississippi	2,960,869	4	10	6	177,211	122,427	987	1093	296,087	-3,911	-1.30%
Missouri	6,011,137	9	20	11	120,724	178,691	1002	1052	300,557	559	0.19%
Montana	980,242	1	3	2	56,232	247,360	775	1091	326,747	26,750	8.92%
Nebraska	1,807,712	3	6	3	131,353	168,937	934	1110	301,285	1,288	0.43%
Nevada	2,663,784	3	9	6	174,717	125,003	980	1100	295,976	-4,022	-1.34%
New Hampshire	1,326,606	2	4	2	11,476	290,154	808	1041	331,652	31,654	10.55%
New Jersey	8,741,165	13	29	16	84,090	215,330	1007	1044	301,419	1,422	0.47%
New Mexico	2,027,050	3	7	4	211,989	88,025	984	1141	289,579	-10,419	-3.47%
New York	19,596,910	29	65	36	390	299,208	1018	1029	301,491	1,493	0.50%
North Carolina	9,482,647	13	32	19	240,337	59,092	1023	1057	296,333	-3,665	-1.22%
North Dakota	650,946	1	2	1	81,952	227,816	669	1162	325,473	25,475	8.49%
Ohio	11,553,589	18	39	21	264,028	35,430	1024	1054	296,246	-3,752	-1.25%
Oklahoma	3,719,700	5	12	7	17,359	282,175	958	1035	309,975	9,977	3.33%
Oregon	3,858,017	5	13	8	178,468	121,034	997	1080	296,771	-3,227	-1.08%
Pennsylvania	12,633,654	19	42	23	81,642	217,831	1015	1037	300,801	804	0.27%
Rhode Island	1,052,989	2	4	2	285,093	16,537	1017	1312	263,247	-36,750	-12.25%
South Carolina	4,605,273	6	15	9	29,978	269,480	972	1038	307,018	7,021	2.34%
South Dakota	818,329	1	3	2	218,145	85,446	927	1308	272,776	-27,221	-9.07%
Tennessee	6,338,477	9	21	12	92,673	206,739	995	1045	301,832	1,835	0.61%
Texas	25,147,862	32	84	52	134,445	165,262	1022	1036	299,379	-618	-0.21%
Utah	2,828,394	3	9	6	10,106	289,614	928	1032	314,266	14,268	4.76%
Vermont	622,294	1	2	1	110,604	199,164	703	1213	311,147	11,149	3.72%
Virginia	7,948,695	11	27	16	278,059	21,356	1026	1066	294,396	-5,601	-1.87%
Washington	6,738,886	9	23	14	290,820	8,590	1027	1075	292,995	-7,003	-2.33%
West Virginia	1,823,465	3	6	3	115,600	184,689	930	1097	303,911	3,913	1.30%
Wisconsin	5,675,245	8	19	11	157,318	142,101	1006	1060	298,697	-1,300	-0.43%
Wyoming	552,916	1	2	1	179,982	129,786	790	1368	276,458	-23,540	-7.85%
Washington DC	606,961	0									
US Total	308,397,553		1028						299,998		
			1028								
								Median =	301,083		
Other Inputs:	Seats to Apportion							Min =	263,247	-36,750	-12.25
	1028 Max Seats to Calculate							Max =	353,175	53,178	17.73
	300 States							Total Dev			29.98
	50										
<input type="checkbox"/>	Include Washington DC							Former At Large States only			
								Min =	272,776	-27,221	-9.07
								Max =	353,175	53,178	17.73
At 300K per seat	1,028							Total Dev			26.80
								Former Multiple District States only			
								Min =	263,247	-36,750	-12.25
								Max =	331,652	31,654	10.55
								Total Dev			22.80

Using Census Bureau 2008 Estimates, released 12/22/2008; Minus Non-Citizens ACS Midpt 1 Year Estimate of 10/26/09; No Military Overseas factored

State	Population	Compare To	Seats	Change	Gain a Seat	Lose a Seat	Last Seat Given	Next Seat At	Ideal Size	Raw Deviation	Percent Deviation
Alabama	4,569,839	7	15	8	69,556	231,291	895	957	304,656	4,776	1.59%
Alaska	665,193	1	2	1	68,360	241,795	604	1038	332,597	32,716	10.91%
Arizona	5,851,577	8	20	12	285,766	15,426	939	984	292,579	-7,301	-2.43%
Arkansas	2,781,805	4	9	5	59,233	241,412	861	963	309,089	9,209	3.07%
California	31,294,429	53	105	52	299,476	8,713	940	953	298,042	-1,838	-0.61%
Colorado	4,599,143	7	15	8	40,252	260,595	891	951	306,610	6,729	2.24%
Connecticut	3,252,555	5	11	6	188,113	112,545	909	997	295,687	-4,194	-1.40%
Delaware	831,977	1	3	2	205,424	98,629	833	1175	277,326	-22,555	-7.52%
Florida	16,535,709	25	55	30	84,293	219,735	931	948	300,649	769	0.26%
Georgia	9,089,697	13	30	17	42,961	259,012	919	947	302,990	3,110	1.04%
Hawaii	1,180,506	2	4	2	158,772	143,395	831	1070	295,127	-4,754	-1.59%
Idaho	1,462,350	2	5	3	177,924	123,445	864	1056	292,470	-7,410	-2.47%
Illinois	11,910,825	19	40	21	216,853	85,936	935	959	297,771	-2,110	-0.70%
Indiana	6,211,933	9	21	12	224,967	76,300	932	972	295,806	-4,074	-1.36%
Iowa	2,930,669	5	10	5	210,217	90,423	914	1011	293,067	-6,813	-2.27%
Kansas	2,697,917	4	9	5	143,121	157,524	888	990	299,769	-112	-0.04%
Kentucky	4,190,355	6	14	8	149,402	151,387	907	971	299,311	-569	-0.19%
Louisiana	4,336,683	7	14	7	3,074	297,715	877	942	309,763	9,883	3.30%
Maine	1,299,393	2	4	2	39,885	262,282	753	969	324,848	24,968	8.33%
Maryland	5,258,492	8	18	10	279,710	21,337	936	991	292,138	-7,742	-2.58%
Massachusetts	6,019,890	10	20	10	117,453	183,739	915	961	300,995	1,114	0.37%
Michigan	9,708,161	15	32	17	23,516	278,619	918	945	303,380	3,500	1.17%
Minnesota	5,031,221	8	17	9	207,394	93,584	928	977	295,954	-3,926	-1.31%
Mississippi	2,896,482	4	10	6	244,404	56,236	926	1023	289,648	-10,232	-3.41%
Missouri	5,783,499	9	19	10	54,279	246,840	903	952	304,395	4,514	1.51%
Montana	957,369	1	3	2	80,032	224,021	722	1022	319,123	19,243	6.42%
Nebraska	1,717,798	3	6	3	223,001	77,981	900	1066	286,300	-13,581	-4.53%
Nevada	2,290,004	3	8	5	251,098	49,588	925	1045	286,251	-13,630	-4.55%
New Hampshire	1,285,327	2	4	2	53,951	248,216	765	979	321,332	21,451	7.15%
New Jersey	7,822,276	13	26	13	112,310	189,343	922	955	300,857	976	0.33%
New Mexico	1,848,439	3	6	3	92,360	208,622	839	986	308,073	8,193	2.73%
New York	17,454,225	29	58	29	64,227	240,051	930	946	300,935	1,055	0.35%
North Carolina	8,762,720	13	29	16	70,425	231,468	920	950	302,163	2,282	0.76%
North Dakota	633,003	1	2	1	100,550	209,605	630	1093	316,502	16,621	5.54%
Ohio	11,265,319	18	38	20	263,368	39,257	937	965	296,456	-3,425	-1.14%
Oklahoma	3,520,137	5	12	7	220,263	80,428	924	1000	293,345	-6,536	-2.18%
Oregon	3,555,893	5	12	7	184,507	116,184	910	988	296,324	-3,556	-1.19%
Pennsylvania	12,110,460	19	40	21	17,218	285,571	923	943	302,762	2,881	0.96%
Rhode Island	984,610	2	3	1	52,791	251,262	702	992	328,203	28,323	9.44%
South Carolina	4,352,493	6	15	9	286,902	13,945	938	1004	290,166	-9,714	-3.24%
South Dakota	796,073	1	3	2	241,328	62,725	872	1227	265,358	-34,523	-11.51%
Tennessee	6,046,550	9	20	11	90,793	210,399	908	956	302,328	2,447	0.82%
Texas	21,659,813	32	72	40	51,366	254,076	933	944	300,831	950	0.32%
Utah	2,582,383	3	9	6	258,655	41,990	929	1035	286,931	-12,949	-4.32%
Vermont	610,664	1	2	1	122,889	187,266	652	1127	305,332	5,452	1.82%
Virginia	7,333,485	11	24	13	2,043	299,454	904	941	305,562	5,682	1.89%
Washington	6,098,640	9	20	11	38,703	262,489	902	949	304,932	5,052	1.68%
West Virginia	1,801,813	3	6	3	138,986	161,996	860	1018	300,302	422	0.14%
Wisconsin	5,482,925	8	18	10	55,277	245,770	901	954	304,607	4,727	1.58%
Wyoming	524,809	1	2	1	208,744	101,411	762	1317	262,405	-37,476	-12.50%
Washington DC	541,170	0									
US Total	281,887,528		940						299,880		
			940								
								Median =	300,740		
Other Inputs:	Seats to Apportion							Min =	262,405	-37,476	-12.50
	940 Max Seats to Calculate							Max =	332,597	32,716	10.91
	250 States							Total Dev			23.41
	50										
<input type="checkbox"/>	Include Washington DC							At Large States only			
								Min =	262,405	-37,476	-12.50
								Max =	332,597	32,716	10.91
At 300K per seat	940							Total Dev			23.41
								Multiple District States only			
								Min =	286,251	-13,630	-4.55
								Max =	328,203	28,323	9.44
								Total Dev			13.99