



A Proposal to  
Fullerton Joint Union High School District  
for Redistricting Services

By National Demographics Corporation  
Douglas Johnson, President

May 20, 2021



May 20, 2021

Ronald D. Wenkart  
Fullerton Joint Union High School District  
c/o Atkinson, Andelson, Loya, Ruud & Romo  
20 Pacifica, Suite 1100  
Irvine, CA 92618

Dear Mr. Wenkart,

Thank you for the opportunity to provide this proposal to Fullerton High. NDC has more than 40 years of experience districting and redistricting hundreds of cities, school districts and other local jurisdictions across California, including the District's initial move to by-trustee-area elections and similar work for the City of Fullerton and numerous cities and school districts in the area (a full client list is available at [www.ndcresearch.com/clients/](http://www.ndcresearch.com/clients/)). We welcome the opportunity to bring the firm's expertise and skills to assist the District.

For each project, there are certain required basic elements, and there are several options that the District can include or leave out at its option. NDC carefully tailors each project to the needs and goals of the individual client partner. NDC also welcomes the opportunity to work with our clients to encourage public participation in this process, as we offer several tools developed specifically for public engagement in districting and redistricting. This proposal includes two timeline options: one with extensive public outreach and engagement (similar to what cities and counties are required to conduct) and one simpler / more limited project that meets the state requirements for school districts and special districts.

The attached proposal consists of a brief introduction; specific proposed project elements and options; timeline and cost information; conclusion; and signature section. NDC looks forward to working with you on this effort. Please call or email anytime if you have any questions, concerns, or requests regarding this proposal.

Sincerely,

Douglas Johnson  
President



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## Brief History of National Demographics Corporation

NDC has served hundreds of local governments since our founding in 1979. While most of NDC's work is in California and Arizona, the firm has performed projects in all regions of the country, serving clients as varied as the States of Mississippi, Arizona, Florida and Illinois; Clark County (Nevada); the California counties of Merced, San Bernardino, and San Diego; the San Diego Unified School District; the City of Oakland; Yuma County (Arizona); the Arizona cities of Glendale, Mesa, Peoria, Phoenix, and Surprise; and relatively smaller jurisdictions such as the City of Bradbury and Clay Elementary School District.

The company is especially well known for its districting and redistricting work with local governments. NDC has established a reputation as the leading demographic expert on the California Voting Rights Act (CVRA), having performed demographic assessments of potential CVRA liability and/or moves to by-district elections for over 350 jurisdictions. No company has been responsible for addressing the electoral demographic needs of more local governments, as NDC has districted and/or redistricted more than 250 counties, school districts, cities, water districts, and other local jurisdictions.

Nationally recognized as a pioneer in good government districting and redistricting, NDC has unmatched expertise in the issues, questions, and decisions jurisdictions face in any discussion regarding districting, redistricting, the California and Federal Voting Rights Act and related election system choices.



## Company Philosophy

### Professionalism

NDC's personnel are nationally recognized as leaders in the districting field and are responsible for numerous books and articles on the subject. NDC possesses all the hardware and software necessary to meet the districting and redistricting needs of any jurisdiction, and its personnel have unmatched experience in the line-drawing side of this work, as well as in developing the databases used for these purposes. But more important are the firm's interpersonal skills and the team's understanding of the perspective of all parties in this process.

### Partnership

In recognition of the vital role these groups play in informing and assisting their members, NDC is a sponsor of the California League of Cities, the California Special Districts Association, and we are currently finalizing our sponsorship of the California School Boards Association and the California Association of Counties.

For years, NDC has frequently appeared on panels organized by these organizations to share information with their members about the California Voting Rights Act, the Census, and the districting and redistricting rules and process.

NDC also assists the League of Cities and CSBA with negotiations and suggested language for legislation on districting/redistricting and the California Voting Rights Act.

### Local Leadership and NDC's Non-Partisan Approach

NDC is an advisor and technical resource. The firm's role is to assist our clients in implementing our clients' goals and directions within the complicated demographic and legal constraints of the project. NDC shares its experience and expertise, but the final plan is selected by the jurisdiction's elected leaders, not NDC. The firm is sometimes criticized, usually by people from outside of the client jurisdiction, for not acting as an advocate or proselytizer for what these outsiders think is "right" for the client. But NDC team members are expert advisors, not proselytizers. NDC guides our clients through the process to a map that meets all legal requirements and the goals of our client – not the goals of outside critics. NDC welcomes the chance to assist each client through this process following the direction of the jurisdiction's elected leadership, key staff members, and the entire community.



A common question in many redistricting projects is whether there is any influence of any improper political bias on the process. NDC's four decades of success working for jurisdictions with all-Democratic leadership, jurisdictions with all-Republican leadership, and every possible combination in between, reflects our steadfast dedication to non-partisan service. At work, each of us puts our personal political feelings aside and focuses on implementing the policy goals and directions of our clients using NDC's non-partisan, professional and expert guidance regarding the requirements and options facing each client. We believe most of our clients would be hard-pressed to guess which NDC team members are registered as independents or with any political party, and we are proud to have satisfied customers and clients whose partisan leanings (even in their non-partisan local government offices) similarly cross the entire partisan spectrum.

### **Openness**

Any change in election systems can have momentous implications for the distribution of political power in a jurisdiction and for access by groups and individuals to the governance process. Not surprisingly, such changes often attract considerable public attention, sometimes generate intense controversy, and may draw charges of manipulation and abuse of power. It is crucial, therefore, that the jurisdiction establish, at the beginning, a process that is not only fair, but that is seen to be fair, to all contending groups and individuals.

### **Public Engagement**

NDC pioneered the "transparent districting" approach that involves the public at every stage of the process and the company invented the "public participation kit" back in 1990. But NDC's most valuable service is the firm's experience transforming often contentious and passionate debates into thoughtful, constructive discussions focused on the options and outcomes rather than individual personalities. NDC also has considerable experience working with translators in public forums and providing materials in English and Spanish.

NDC's approach has been widely praised in the media, and NDC has worked extensively with all types of press including radio, television, newspaper, and new media.

## Project Software

NDC uses Caliper Corporation's Maptitude for Redistricting software for processing public map submissions and drawing NDC's draft maps and Board-directed revisions. Maptitude for Redistricting can open and use the standard "Shapefile" and "File Geodatabase" GIS data formats, and Maptitude for Redistricting can export all files to "Shapefile" and "File Geodatabase" formats.

NDC uses ESRI's ArcGIS Online to present those maps for Board, Staff and Public review in an easy-to-use, interactive format. NDC also uses ArcGIS Pro for some specialized Geographic Information System (GIS) analysis; for opening and reviewing data received from clients or from other jurisdictions; and when needed for final map post-adoption processing for delivery to the jurisdiction and to the County Registrar. Microsoft PowerPoint is also used for many presentations, though NDC is currently experimenting with a possible move to ESRI's "Story Maps" for some presentations.

## NDC Approach to Public Engagement

### The Three E's of Public Participation: Engage, Educate, and Empower

NDC's "Three E's" approach recognizes the complex and daunting nature of districting and redistricting projects, while emphasizing the importance of public participation in such projects.

Given the complexity of the issue, the public cannot be expected to jump in with constructive ideas and input without encouragement. So NDC's approach begins with the first "E": **Engage**. NDC works with our clients to get the word out about why the project matters – and how input from residents can be a decisive element of the project.

Once their interest is engaged, the second "E" is **Educate**. Most media coverage of this topic focuses on congressional gerrymandering, giving the entire field a tainted and hopeless feel. NDC works with our clients to explain how local districting and redistricting is based on neighborhoods and communities – not national politics. We educate the public on the data, requirements and goals of redistricting, and on the many options residents have to formulate and share their own maps or other constructive input.

The third "E" is **Empower**. For those projects where the level of public interest and engagement justify the expense, NDC offers an unmatched array of paper, Excel-based, and online mapping tools that residents can use to draw detailed, population-balanced maps for consideration by the jurisdiction.

When included in a project, NDC has seen considerable public interest in these optional public participation tools. Often five, ten or even twenty or thirty draft maps are proposed by community residents. And NDC developed a highly refined and proven methodology for efficiently guiding our clients through selecting and refining a map, even when starting from 10, 20, 30 or more initial draft maps.

For those jurisdictions where the expense of the optional mapping tools is too high, NDC always welcomes any letters, comments, or hand-drawn maps that residents wish to submit during the districting or redistricting process.

For every project, at no extra expense, NDC includes an online “interactive review map” that allows residents to analyze draft maps zooming in and out, searching for specific addresses, and by changing between street maps, satellite images, and other underlying base maps.

Samples of these tools are shown on the following pages, and additional details on each of them appears later in this proposal.

## Sample Public Participation Mapping Tool

### Public Participation Kit

Each number indicates the total population of that "population unit" area. Each district must have essentially equal population.

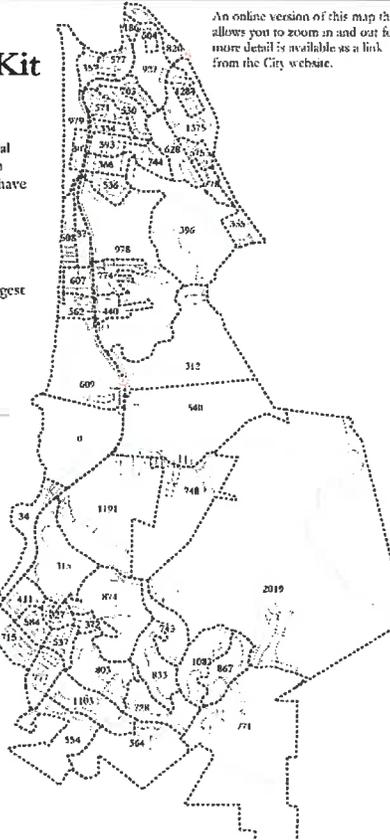
The population of each of the five districts must be close to 7,447, with no more than a 745 difference between the largest and smallest.

Name: \_\_\_\_\_

Phone or email: \_\_\_\_\_

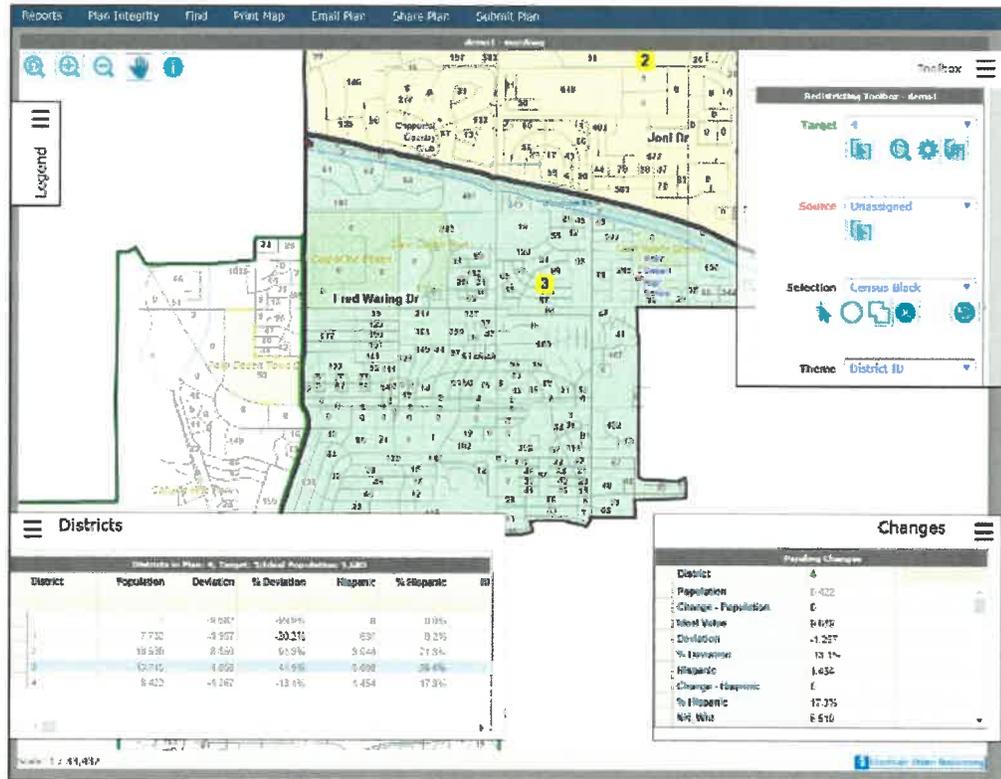
Please use a thick black-colored pen to draw your map, then submit it at City Hall or directly to our project consultants:  
 Submission@NDCresearch.com  
 PO Box 5271, Glendale, CA 91221  
 You can hand-deliver, mail, fax, scan and email, or photograph and email your map.

NDC Research Corporation October 2015 #2016 CALIPER

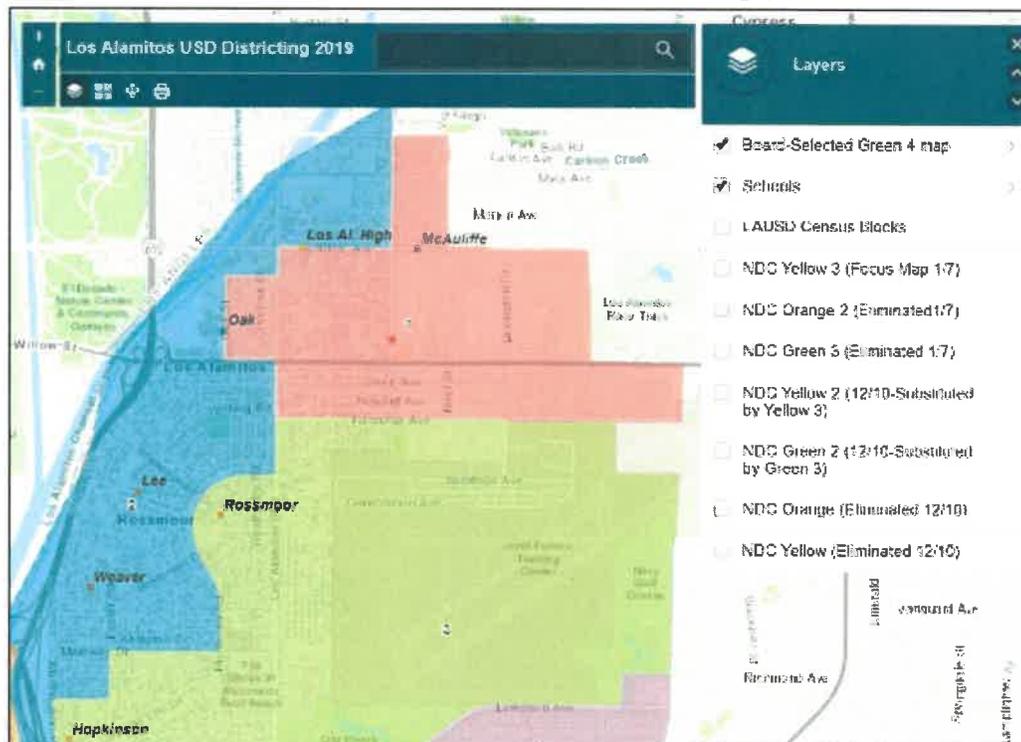


An online version of this map that allows you to zoom in and out for more detail is available as a link from the City website.

Sample Online Mapping Tool



Sample NDC “Interactive Review Map”  
(used to view and evaluate, not to draw, maps)



**The NDC Team**

NDC’s 40 years of service to local governments is grounded in our academic founding and decades of professional relationships with all forms of local governments. Each NDC team member has been extensively trained in the legal requirements, demographic details, and complicated personal and community interests involved in every districting and redistricting project. And every NDC team member has been briefed on the wide range of unusual and bizarre challenges NDC has encountered over our more than 250 successfully completed local government projects. Whatever question or situation arises, your NDC team can handle it.

NDC President Dr. Douglas Johnson leads all team training and closely monitors the progress of every client project. NDC President Dr. Johnson and Vice President Dr. Levitt are always available to all clients, and typically are personally involved whenever particularly unusual or complex situations arise. And each NDC project has an NDC Consultant or Senior Consultant as a primary point of contact to ensure seamless information flows and continuity. All NDC project leaders are a fully trained Consultants or Senior Consultants with years of experience working with local government elected leadership and top staff members. Each NDC team leader brings their personal expertise in demographics, city governance, school district governance and/or special district management to every project. And each team leader has particular expertise and focus in specific geographic areas. All team members resumes are available on [www.ndcresearch.com/about-us/](http://www.ndcresearch.com/about-us/).

**NDC Current Organization Chart**

|                           |   |
|---------------------------|---|
| <b>NDC President</b>      | Douglas Johnson, Ph.D.  |
| <b>NDC Vice President</b> | Justin Levitt, Ph.D.  |
| <b>Senior Consultants</b> | Shalice Tilton<br>Robert McEntire, Ed.D.<br>Jeff Tilton, Ed.D.  |
| <b>Consultants</b>        | Kristen Parks<br>Daniel Phillips, Ph.D.<br>Shannon Kelly<br>Jeff Simonetti<br>Todd Tatum<br>Ivy Beller Sakansky<br>Douglas Yoakam |
| <b>Records Manager</b>    | Michele Lewis   |

## Recognition of NDC's Expertise

Both national and local organizations have recognized NDC's unmatched experience and expertise in the Census, districting, and redistricting.

### National Recognition

Nationally, the National Conference of State Legislatures hosted NDC as a panelist at five different forums held for state legislators and legislative staff from across the country. NDC President Douglas Johnson addressed these forums on the following topics:

1. *Citizen Voting Age Data from a line-drawer's viewpoint*
2. *Communities of Interest in Redistricting: A key to drawing 2011 plans (and for their defense)*
3. *The Key to Successful Redistricting*
4. *Communities of Interest In Redistricting: A Practical Guide*
5. *The Arizona Independent Redistricting Commissions' experiences with the first-ever independent redistricting*

In addition:

- The National League of Women Voters hosted NDC President Douglas Johnson at a 2006 conference on "Building a National Redistricting Reform Movement,"
- Texas Tech University hosted Dr. Johnson as a panelist at its "Symposium on Redistricting;"
- The Arizona League of Cities and Towns hosted Dr. Johnson as a panelist on "Redistricting Law and the Voting Rights Act: What It Means for Your City or Town in 2011" and
- The Arizona Bar Association hosted Dr. Johnson as a panelist on "Communities of interest and technology in redistricting."

### California League of Cities Recognition

The California League of Cities hosted NDC as panelists over a dozen times to date:

- General Meeting panel: 2006 and 2015
- Executive Forum panel: 2018 and 2020
- City Clerk Department panel: 2014, 2017, 2018, twice in 2019, and 2020
- City Manager Department panel: 2015 and 2019
- City Attorney Department panel: 2018



Inland Empire Chapter presentation: 2016  
 South Bay Chapter presentation: 2020 and 2021

**Recognition by Additional California Organizations**

Other California organizations and conferences since 2011 recognizing NDC’s expertise in this field include:

|      |   |  |
|------|---|--|
| 2020 | California County Counsel Assoc.                    | 2021 Redistricting - What Local Government Attorneys Need to Know                        |
| 2020 | “Voice of San Diego” Politifest                     | Redistricting--What it means for our community   |
| 2020 | County Committee Secretaries Annual Summit          | The California Voting Rights Act   |
| 2020 | Rose Institute of State and Local Government        | 2021 Redistricting: New Rules for California Local Governments                           |
| 2020 | California Special Districts Association            | California Voting Rights Act Challenge Factors   |
| 2020 | Associated Cities of California – Orange County     | 2021 Redistricting: The Rules have Changed   |
| 2020 | California Municipal Law Conference                 | Municipal Redistricting in 2021: New Rules of the Road                                   |
| 2019 | California Association of School Business Officials | Transitioning to By-Trustee-Areas Elections  |
| 2019 | USC City/County Fellowship Program                  | The Challenges of Municipal Election Districts   |
| 2019 | California Special Districts Association            | District Elections and the California Voting Rights Act                                  |
| 2018 | California Special Districts Association            | Converting From At-Large to By-District Elections Under the California Voting Rights Act |
| 2018 | Riverside County Bar Assoc.                         | Redistricting and the California Voting Rights Act                                       |
| 2018 | California School Board Assoc.                      | Voter Districts: The Link Between Strong Community Engagement and a Successful Process   |

|      |   |  |
|------|---|--|
| 2017 | California School Board Assoc.                  | 15 Years with the California Voting Rights Act: Lessons Learned and Challenges Ahead |
| 2017 | UC's National Public Service Law Conference     | Moderator, "Voting Rights 101"   |
| 2016 | Los Angeles County School Business Officials    | CVRA: What CBO's Need to Know  |
| 2016 | Los Angeles County School Trustees Assoc.       | The CVRA: What School Board Members Need to Know                                     |
| 2015 | Associated Cities of California – Orange County | The California Voting Rights Act   |
| 2015 | California School Board Assoc.                  | The California Voting Rights Act: What Board Members Must Know                       |
| 2015 | Los Angeles County School Boards Assoc.         | CVRA & Districting: The Demographer's Perspective                                    |
| 2011 | Channel Cities Club                             | Lunch Keynote: "California's next experiment: independent, public redistricting"     |

**Advisor to Charter Review Commissions on Redistricting Provisions**

NDC advised the following groups on the redistricting and voting rights provisions of their charter revisions and ordinances:

|         |  |
|---------|--|
| 2016    | City of El Cajon charter revision and public education outreach  |
| 2015/16 | Castaic Lake Water Agency and Newhall County Water District merger   |
| 2015/16 | City of Corona Charter Revision  |
| 2011/12 | Pasadena Unified advisor to Charter Revision Commission creating a redistricting commission and moving District to by-district elections |
| 2009/10 | City of Menifee advisor to by-district-elections ordinance language committee  |
| 2006-08 | City of Modesto advisor to Charter Revision Commission creating an independent redistricting commission and public education outreach    |
| 2003    | City of Goleta ordinance writing and public education outreach   |



**Expert Witness and Litigation Consultant**

NDC President Douglas Johnson served as an expert witness in the following election and redistricting law cases:

|      |  |
|------|--|
| 2020 | Chestnut v Merrill (Alabama)                             |
| 2019 | City of Redondo Beach vs State of California             |
| 2019 | Ruiz-Lozito vs West Contra Costa Unified School District |
| 2019 | Common Cause v Lewis (North Carolina)                    |
| 2018 | Phillip Randolph Institute v Smith (Ohio)                |
| 2018 | League et al. v. Johnson (Michigan)                      |
| 2017 | Luna v County of Kern                                    |
| 2018 | Covington v State of North Carolina                      |
| 2016 | Garrett v City of Highland                               |
| 2015 | Jamarillo v City of Fullerton                            |
| 2015 | Harris vs Arizona Independent Redistricting Commission   |
| 2015 | Solis v Santa Clarita Community College District         |
| 2015 | Jauregui et al vs City of Palmdale                       |
| 2014 | Diego v City of Whittier                                 |

NDC Staff also served as litigation consultants for jurisdictions in the following California Voting Rights Act cases:

- |              |   |
|--------------|---|
| 1. Anaheim   | 7. Santa Clarita                            |
| 2. Carson    | 8. Whittier                                 |
| 3. Compton   | 9. Santa Clarita Community College District |
| 4. Escondido | 10. Tulare Health Care District             |
| 5. Modesto   |   |
| 6. Poway     |   |

**Trusted Advisor to Local Government and Redistricting Reform Groups**

NDC acted as an informal advisor to the California League of Cities and the California School Board Association during the debate over the AB849 “FAIR MAPS Act” in 2019.

NDC acted as an informal advisor to the California League of Cities during the debate over AB1276 (revising the FAIR MAPS Act provisions) in 2020.

NDC provided ideas, advice, maps and research to the 2008 Common Cause-led coalition that drafted and successfully advocated for Proposition 11, which created California’s State-level Independent Redistricting Commission.

NDC President Douglas Johnson at Governor Schwarzenegger's press conference in support of redistricting reform.



(Left to right: Assembly Democratic Legislator John Laird, USC Senior Fellow Dan Schnur, Greenlining Institute representative (name unknown), AARP President Jeannine English, NDC President Douglas Johnson, Governor Arnold Schwarzenegger, League of Women Voters Senior Director Trudy Schafer, State Senate Republican Bill Leonard, League of Women Voters President Jacqueline Jacobberger, and three unidentified men).

## NDC Testimonials

Here is a sampling of what people have to say about NDC:

*“Our decision to work with National Demographics came out of our extraordinary city-wide success in 2015 with their work designing the original districts. I think anyone who participated in that process realized that the technical solutions they created opened access to literally dozens of people creating their own maps and it created a vibrant process.”*

Santa Barbara City Attorney Ariel Calonne

*“Here's a great expert. . . . today you bring him in for what sounds like good information, very smart man up here.”*

United States Fourth District Court Judge James A Wynn, Covington v North Carolina, United States District Court for the Middle District of North Carolina, Case No. 1:15CV399

*“I have worked on Congressional, Legislative, Los Angeles County and Los Angeles City redistricting maps on behalf of the Latino Caucus and grassroots Latino organizations for over 30 years. Douglas Johnson is one of the top redistricting experts in California, and he is who I would pick to draw a map for me anywhere in the state.”*

Alan Clayton, retired Executive Director of the Los Angeles County Chicano Employees Association

*“The excel spreadsheet is a fantastic tool. Just plug in the letter by district and on the tab see a running total of population by assigned district. It's cool.”*

Modesto resident's comment, June 16, 2008

*“One of the first, and in retrospect one of the best, decisions made by our commission was to hire Douglas Johnson and his colleagues at National Demographics Corporation as our primary consultants. I have never had the opportunity to work with a more highly qualified, hard-working, dedicated, professional and classy individual or group than Mr. Johnson and his associates at NDC.”*

Jim Huntwork, Arizona Independent Redistricting Commissioner (Republican)

*“In addition to his technical expertise, Doug had a keen sense of how to help us navigate the complexities of the process. He understands redistricting better than any person I know. He has a unique ability to synthesize that which is very complicated and make it very understandable for the public. He frequently would present various options, without representing any position, clearly delineating differences and challenges of each option in a clear and succinct manner.”*

Josh Hall, Arizona Independent Redistricting Commissioner (Democrat)

*“It was a great pleasure to work with Doug Johnson and NDC during the first Independent redistricting effort in Arizona. Doug and his staff were professional, efficient, responsive, and even-handed. They listened very carefully to the instructions given by the commission and performed each mapping task without bias of any kind. I would highly recommend NDC to any jurisdiction, or commission, wishing to have a successful redistricting process.”*

Steven W. Lynn, Chair, Arizona Independent Redistricting Commission (Independent)



## National Demographics Corporation

*“Thank you for all of your hard work, assistance, and patience with me during this year of CVRA conversion to by-area trustee elections. Your continual reassurance and support in dealing with all of the details was sincerely appreciated. We all have jobs to do, but when working with all of you I felt that you always went the extra mile to support our District with excellent customer service. The multiple revisions, extra conference calls, and follow up suggestions made a difference to Scott, Linda, and me. I personally enjoyed joking around with each of you while remaining professional in all presentations. It was a pleasure working with all of you. “*

Jennifer Williams, Ed. D., Fullerton Joint Union High School District,  
Executive Director Administrative Services

*“Thank you for taking time out of your busy schedule to participate in the City Official Roundtable I hosted on the 2020 U.S. Census at the Redondo Beach Performing Arts Center. I appreciate that you shared your expertise on the Census to the government officials who were present. It is critical that we work together to ensure that everyone is counted in the upcoming Census.”*

Ted W. Lieu, Member of Congress, California 33<sup>rd</sup> District.

## Impeccable References

All of NDC's former clients – without exception – can be contacted for references. The following is only a sample of references:

Mr. Graham Mitchell. City Manager. City of El Cajon. 200 Civic Center Way. El Cajon. CA 92020. (619) 441-1716. GMitchell@cityofelcajon.us.

Mr. Jason Stilwell. City Manager. City of Santa Maria. 110 E. Cook Street. Santa Maria. CA 93454-5190. (805) 925-0951 ext. 2200. jstilwell@cityofsantamaria.org.

Mr. Marcus Walton. Communications Director. West Contra Costa Unified. 1108 Bissell Ave., Room 211-215. Richmond, CA 94801. 510-205-3092. mwalton@wccusd.net.

Mr. Jonathan Vasquez. Superintendent. Los Nietos School District. 8324 S. Westman Ave., Whittier, CA 90606. (562) 692-0271 Ext. 3212 jonathan\_vasquez@lnsd.net.

Ms. Jennifer Fitzgerald, Mayor, City of Fullerton. 303 W. Commonwealth Avenue. Fullerton, CA 92832. (714) 402-3106. jennifer@curtpringle.com.

Mr. James Atencio. Assistant City Attorney. City of Richmond. 450 Civic Center Plaza. Richmond, CA 94804. 510-620-6509. James\_Atencio@ci.richmond.ca.us.

Ms. Isabel Montenegro. Administrative Assistant. Inglewood Unified. 401 South Inglewood Avenue, Inglewood, CA 90301. 310-419-2799. imontenegro@inglewood.k12.ca.us.

Ms. Pam Abel. Superintendent. Modesto City Schools. 426 Locust Street. Modesto. CA 95351-2631. (209) 574-1616. able.p@mcs4kids.com.

Mr. Darrell Talbert. City Manager. City of Corona. 400 S Vicentia Avenue. Corona. CA 92882-2187. 951.279.3670. Darrell.Talbert@ci.corona.ca.us.

Mr. David Silberman. Deputy County Counsel. San Mateo County. 400 County Center. 6th Floor. Redwood City. CA 94063. 650-363-4749 dsilberman@smcgov.org.

Judge Hugh Rose (retired). Chairman. City of Modesto Districting Commission. 508 King Richard Lane. Modesto. CA 95350. Phone (209) 522-0719. Email: hhrose@hotmail.com.

Ms. Lucinda Aja. City Clerk, City of Buckeye, Arizona. 100 N Apache Rd, Suite A, Buckeye, AZ 85326. Phone (623) 349-6007. Email: laja@buckeyeaz.gov.

**“Extensive Outreach” Timeline / Summary Scope of Work**

NDC tailors each project to the needs and goals of each jurisdictions. Below is a typical NDC-suggested timeline and description of project elements for a project including a major outreach and public engagement effort (similar to what is required of cities and counties, but optional for school and special districts). If a simpler process is desired, a timeline / scope of work for a simpler process is provided in a later section of this proposal.

This timeline is subject to change based on ongoing changes in the date when official population data will be available and possible changes in state deadlines.

|                    |  |
|--------------------|--|
| April – June       | Project Planning and decisions on public mapping tools, whether to use a commission, and other project options. Begin project communications and outreach. |
| June – September   | Any mapping tools prepared with preliminary population data; initial pre-draft-map hearing(s) held.  |
| October – December | Census data received and processed; draft maps prepared, considered, and revised (in hearings and, if desired, less formal public workshops)               |
| January - February | Final plan revisions made and plan adopted and implemented.  |

**“Extensive Outreach” Detailed Timeline / Scope of Work**

**April – June, 2021: Project Planning and Initial Outreach**

- a. NDC works with the jurisdiction to prepare a detailed project timeline of expected outreach efforts, public forums, formal hearings, draft map dates, and final map adoption dates.
- b. NDC works with the jurisdiction staff (or contract specialized outreach staff – see notes below about that option if interested) to prepare a project outreach plan for all steps of the process covering target audiences, contact lists, social media efforts, any potential postcard mailings, utility bill inserts, flyers for distribution at schools, media briefings, and community group contacts.
- c. Decide what public mapping tool(s) to provide, if any.

- d. Decide whether to use a commission.
- e. Create the project website: NDC will provide advice and text for the jurisdiction's website, or as an optional project element NDC will build a project website that the jurisdiction can simply link to from the jurisdiction site.
- f. NDC will work with jurisdiction and County Registrar staff to confirm GIS boundaries and to identify and include in our redistricting database any available GIS data that NDC and the jurisdiction identify are likely to be useful as mapping references for NDC, the public, and for the jurisdiction.
- g. Project outreach begins with initial alerts and 'invitations to participate' sent out to the general public, to overlapping jurisdictions, and to community organizations.

**June – September, 2021: Initial Data Analysis and Initial Hearings / Forums**

- h. NDC prepares total population estimates for use in initial hearings and any public mapping tools.
- i. NDC adds socio-economic data from the Census Bureau's American Community Survey to the state demographic data.
- j. NDC matches the demographic database to the existing election areas.
- k. NDC prepares a report regarding the demographics and compliance with state and federal criteria of the existing election areas, including maps of "protected class" population concentrations and other socio-economic data often referenced in redistricting (such as income, education levels, children at home, language spoken at home, renters / homeowners, and single-family / multi-family residences).
- l. NDC report is circulated to the jurisdiction and into the project outreach messaging.
- m. Hearings / Forums: NDC presents an overview of the redistricting laws and criteria, jurisdiction demographics, and the population balance of the existing election areas and their compliance (or possible lack thereof) with state and federal requirements.
- n. The project timeline and outreach plan are presented to the public for comments and feedback, along with a request to the public to provide

guidance on what residents consider key neighborhoods, communities of interest, and other project-related regions in the jurisdiction.

- o. If the optional public mapping tools and/or Public Participation Kit are included in the project, their use is demonstrated to the public.
- p. If the optional public mapping tools and/or Public Participation Kit are included in the project, NDC provides email and phone support for any residents with questions regarding their use.
- q. If the optional public mapping tools and/or Public Participation Kit are included in the project, at the jurisdiction's option additional public forums on the use of those tools can be provided.
- r. Outreach efforts continue with messaging to the public, with special focus on community groups with an interest in the redistricting.

#### **October – December, 2021: Draft Map Preparation and Review**

- s. 2020 Census total population counts released and California Statewide Database completes “prison adjustments” of the data. Total population counts in outreach materials and mapping tools are updated with the official Census data.
- t. If the existing election areas are in compliance with state and federal rules and balanced, the jurisdiction decides whether to stop at this “Still Balanced” point or to continue with a standard redistricting.
- u. If the existing election areas are in compliance with state and federal rules and close to, but not quite, balanced, the jurisdiction decides whether conduct only a “Minimal Change” redistricting or to proceed with a full “Standard” redistricting project.
- v. Outreach efforts continue with messaging reminding the public of the opportunity to provide written or mapped input on how the maps should be drawn and welcoming any maps residents wish to submit.
- w. The public deadline for submitting any initial draft maps will be approximately seven days prior to the official deadline to post all draft maps online (to provide NDC time to process any draft maps received, and for NDC to develop our own two to four initial draft maps).

- x. All outreach channels are used to inform the public about the opportunity to submit draft maps and to encourage participation in the review of the upcoming draft maps.
- y. NDC processes all public draft map submissions, drafts NDC's draft maps, summarizes all of the draft maps. The maps, related demographics, and summaries are provided by NDC in web-friendly formats. These process maps are posted on the project website and on the NDC-provided interactive review map.
- z. At the jurisdiction's option, one or more informal workshops or public forums are held to gather residents' reactions to and preferences among the draft maps.
- aa. The jurisdiction holds a hearing to review the draft maps, narrow down the list of initial draft maps, and provide direction on any desired new or revised maps.
- bb. Time provided for the public to submit any new maps and for NDC to provide maps based on the direction at the hearing. During this time, additional outreach is conducted to inform interested residents and community groups of the selected 'focus maps' and the remaining opportunities to participate in the process.

#### January – February, 2021: Map Adoption

- cc. Any new or revised maps, related demographics, and summaries are posted on the project website.
- dd. At the jurisdiction's option, one or more informal workshops or public forums are held to gather residents' reactions to and preferences among the remaining maps.
- ee. One or more hearings are held to continue the review and refinement of the focus maps and, ultimately, adopt the final map.
- ff. Outreach continues to inform residents and community groups of the progress of the project, opportunities for future participation, and, ultimately, which map is adopted.
- gg. Following map adoption, NDC coordinates map implementation with the County Registrar, informing the jurisdiction staff of the progress, any issues, and ultimate completion of that work.

hh.NDC works with the jurisdiction staff to ensure preservation of all project data and records, including GIS-format versions of the adopted map.

**“Simple Project” Summary Timeline / Scope of Work**

The following is an alternative timeline for a simpler redistricting process that still offers ample opportunity for public engagement and meets all statutory requirements.

This timeline is subject to change based on ongoing changes in the date when official population data will be available and possible changes in state deadlines.

|                    |  |
|--------------------|--|
| April – June       | Project Planning and decisions on public mapping tools and project schedule. |
| June – September   | Any public mapping tools prepared with preliminary population data.          |
| October – December | Census data received and processed; draft maps prepared and published.       |
| January - February | Final plan revisions made and plan adopted and implemented.                  |

**“Simple Project” Detailed Timeline / Project Scope of Work**

**April – June, 2021: Project Planning and Initial Outreach**

- a. NDC works with the jurisdiction to prepare a detailed project timeline of expected outreach efforts hearings, draft map dates, and final map adoption dates.
- b. Decide what public mapping tool(s) to provide, if any.
- c. Create the project website: NDC will provide advice and text for the jurisdiction’s website, or as an optional project element NDC will build a project website that the jurisdiction can simply link to from the jurisdiction site.
- d. NDC will work with jurisdiction and County Registrar staff to confirm GIS boundaries and to identify and include in our redistricting database any available GIS data that NDC and the jurisdiction identify are likely to be useful as mapping references for NDC, the public, and for the jurisdiction.

**June – September, 2021: Initial Data Analysis and Initial Hearings / Forums**

- e. NDC prepares total population estimates for use any public mapping tools.
- f. NDC adds socio-economic data from the Census Bureau’s American Community Survey to the state demographic data.
- g. NDC matches the demographic database to the existing election areas.
- h. NDC prepares a report regarding the demographics and compliance with state and federal criteria of the existing election areas, including maps of “protected class” population concentrations and other socio-economic data often referenced in redistricting (such as income, education levels, children at home, language spoken at home, renters / homeowners, and single-family / multi-family residences).
- i. If the optional public mapping tools and/or Public Participation Kit are included in the project, their use is demonstrated to the public (typically via videos posted on the project website).
- j. If the optional public mapping tools and/or Public Participation Kit are included in the project, NDC provides email and phone support for any residents with questions regarding their use.

**October – December, 2021: Draft Map Preparation and Review**

- k. 2020 Census total population counts released and California Statewide Database completes “prison adjustments” of the data. Total population counts in mapping tools are updated with the official Census data.
- l. If the existing election areas are in compliance with state and federal rules and balanced, the jurisdiction decides whether to stop at this “Still Balanced” point or to continue with a standard redistricting.
- m. If the existing election areas are in compliance with state and federal rules and close to, but not quite, population balanced, the jurisdiction decides whether conduct only a “Minimal Change” redistricting or to proceed with a full “Standard” redistricting project.
- n. The public deadline for submitting any initial draft maps will be approximately seven days prior to the official deadline to post all draft maps online (to provide NDC time to process any draft maps received, and for NDC to develop our own two to four initial draft maps).

- o. NDC processes all public draft map submissions, drafts NDC's draft maps, summarizes all of the draft maps. The maps, related demographics, and summaries are provided by NDC in web-friendly formats. These process maps are posted on the project website and on the NDC-provided interactive review map.
- p. The jurisdiction holds a hearing to review the draft maps, narrow down the list of initial draft maps, and provide direction on any desired new or revised maps.

**January – February, 2021: Map Adoption**

- q. Any new or revised maps, related demographics, and summaries are posted on the project website.
- r. Final Board meeting(s) to continue the review and refinement of the map(s) and, ultimately, adopt the final map.
- s. Following map adoption, NDC coordinates map implementation with the County Registrar, informing the jurisdiction staff of the progress, any issues, and ultimate completion of that work.

## Details of Optional Project Elements

### Advisory or Independent Redistricting Commissions

NDC anticipates that many California jurisdictions will create advisory or independent commissions to manage the redistricting process. NDC welcomes the use of such commissions, and our pricing does not change for jurisdictions creating commissions. But the creation, training, operation and reporting of such commissions often leads to more meetings (and a resulting increase in the “per meeting” project expenses) than a traditional redistricting process conducted primarily by the jurisdiction’s elected leadership.

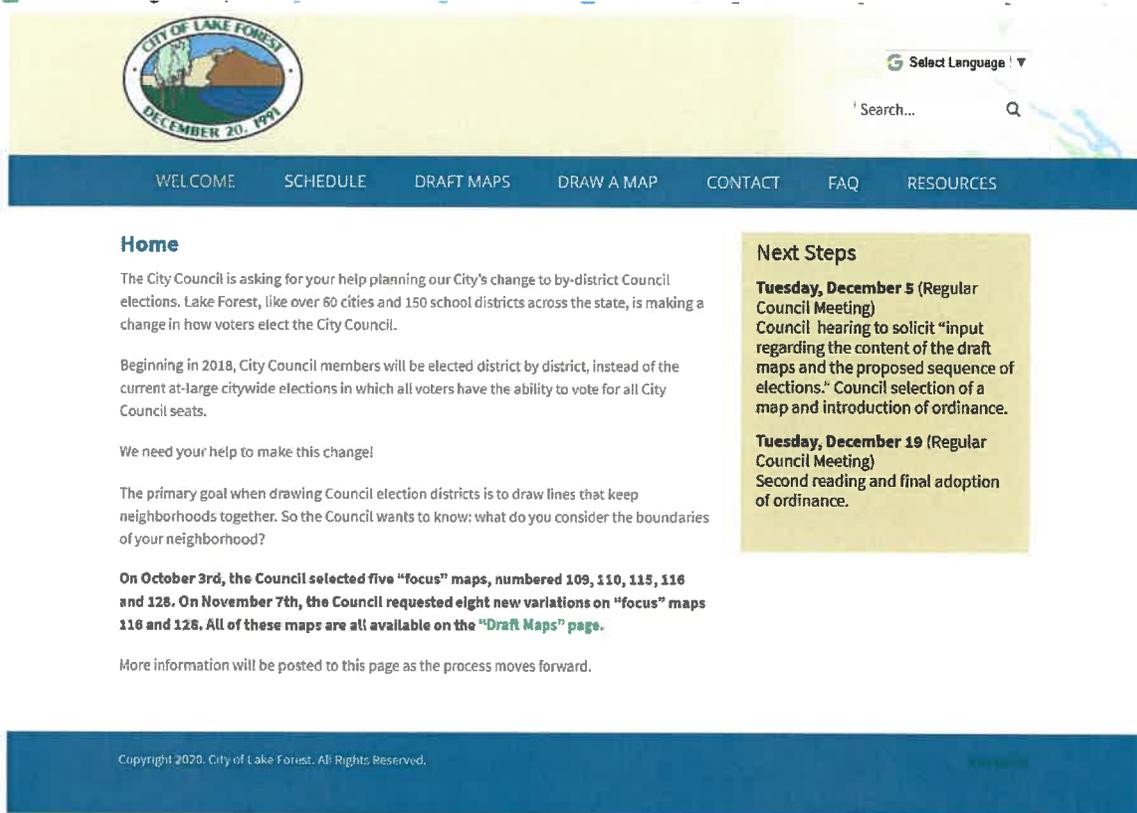
### Outreach Assistance

NDC brings topical expertise to your jurisdiction’s outreach efforts, and NDC makes available to all clients our library of sample outreach materials including op-ed articles, postcards, utility bill inserts, flyers, and social media messages. NDC provides all of these materials along with our advice and input on outreach strategy and materials to any interested jurisdiction, but we do not have graphic artists to customize or design such materials in-house.

For larger-scale outreach efforts, especially where jurisdictions wish to send representatives out to regular meetings of existing community organizations, NDC typically works together with a jurisdiction’s in-house communications staff and/or with one or more outreach organizations. We often work with, and highly recommend, Tripepi-Smith, and some information on the services they offer is included at the end of this proposal. And we would be happy to work with any in-house team at the jurisdiction or with any firm or organization the jurisdiction selects. Many projects can be handled by a jurisdiction’s in-house or regular outreach and communications teams (with samples and topic expertise provided by NDC), but a number of jurisdictions seek supplemental outside communications assistance.

### Project Website

NDC provides all project materials in website-friendly formats for posting on the jurisdiction’s website. At no cost, NDC will provide project website samples and website language for use on the jurisdiction’s project website. But for jurisdictions that prefer not to take on the challenge of creating and managing a rapidly-changing project website, NDC will create, host, and update project website (visit to see one such site – though note that site was created prior to passage of the new AB849 requirements).

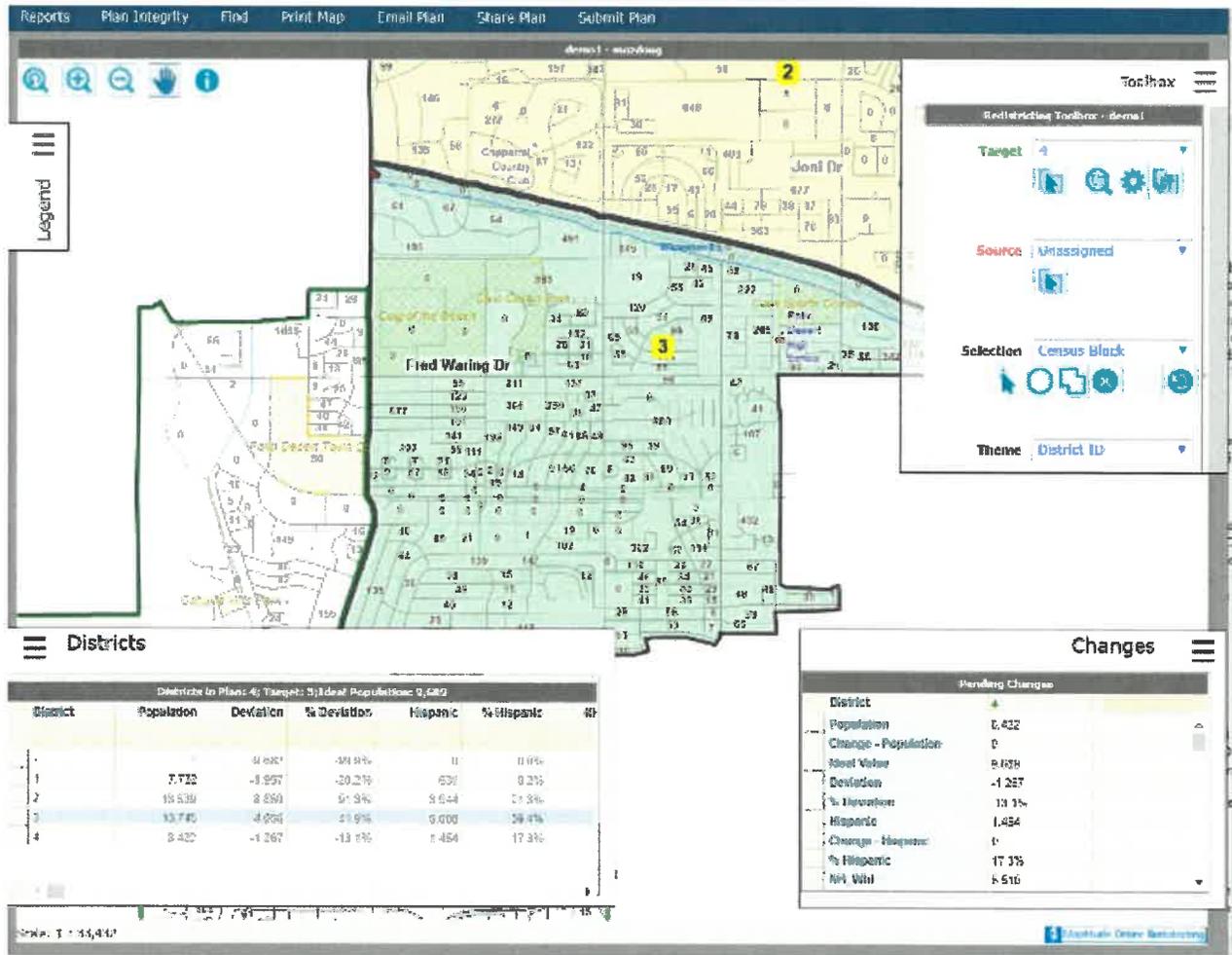


## Background on Online Mapping Tool Options

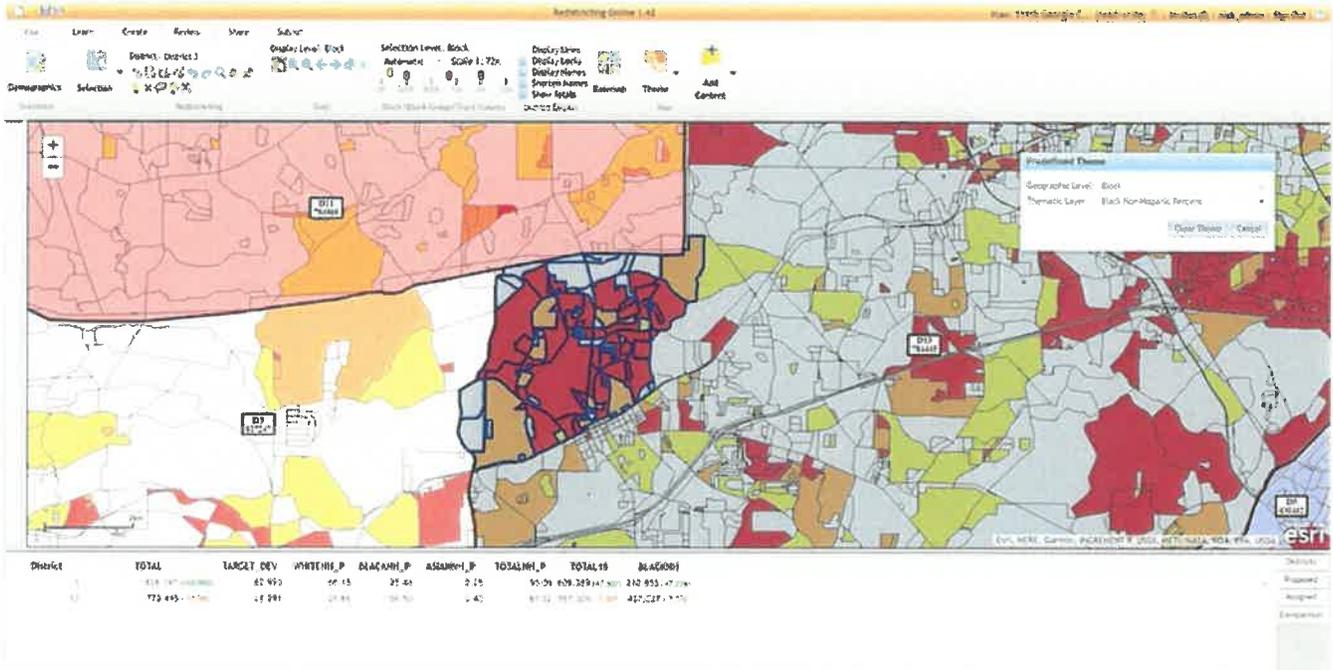
NDC is the unmatched leader in redistricting tools that empower residents to review draft maps and to develop and submit their own map proposals. NDC is the only firm that has used the online mapping solutions from both ESRI and Caliper Corporation in major redistricting projects.

Only NDC has repeatedly trained members of the public, processed public map submissions, and presented the public map proposals to public hearings and commission meetings. NDC's online mapping tool options provide user support, hosting, managing, and processing submitted plans for an online interactive system that allows public to draw and submit proposed maps through a standard web browser.

In the more than 200 California local districting projects between 2012 and 2020, NDC is the only consultant providing clients access to Caliper Corporation’s “Maptitude Online Redistricting” tool. Even with the technical challenges arising from such tools’ power and flexibility, NDC’s training and encouragement frequently results in 10, 20, 30 or more different maps drawn by residents of the school district or city providing that tool to its residents.



The other primary public mapping tool currently on the market is ESRI's online districting tool. While easy to use, the ESRI product costs significantly more. As a result, traditionally only the largest jurisdictions have been able to afford it.



When it is time to start the project, NDC will work with each interested client to determine which, if any, online mapping tool best meets the goals and budget of the jurisdiction.

## Paper- and Excel-based Public Mapping Tools

While online mapping tools are very popular, NDC never forgets those residents who do not have internet access or who simply prefer to not drawing maps online.

At no cost with every online mapping tool, and as a separate option for jurisdictions that for budget or other reasons do not include an online mapping tool, NDC offers our “Public Participation Kit.” Each “Kit” includes two formats.

The first, and most simple, Kit is a one-page map showing streets, city borders, and population counts for NDC-created “Population Unit” geographic areas. Residents draw the map they wish to propose and add up the population counts by hand until they get the right population count in each district.

All of the directions needed are right on the single-page form. Examples of these tools, from our work for the City of Lake Forest, are available here: <https://drawlf.org/draw-a-map/>.

The second form of offline mapping tool is for those residents who do not want to deal with an online mapping tool, but who are already comfortable with Microsoft Excel. NDC provides a similar simple one-page map of those same “Population Units,” but this time the map shows the Unit ID number rather than the population count in that Unit. Residents then enter their preferred district assignment for each Population Unit into the pre-formatted Excel spreadsheet (also available on the Lake Forest website), and Excel calculates the total population and demographics of each District. When the resident has the map the way they like it, they simple email in the Excel file.

### Public Participation Kit

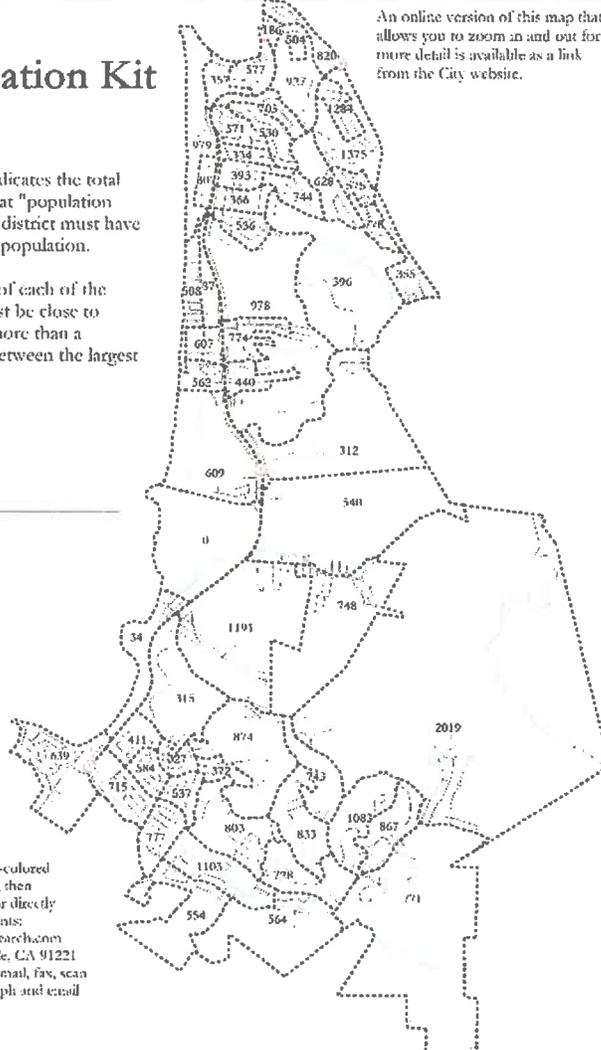
Each number indicates the total population of that "population unit" area. Each district must have essentially equal population.

The population of each of the five districts must be close to 7,447, with no more than a 745 difference between the largest and smallest.

Name: \_\_\_\_\_

Phone or email: \_\_\_\_\_

An online version of this map that allows you to zoom in and out for more detail is available as a link from the City website.



Please use a thick dark-colored pen to draw your map, then submit it at City Hall or directly to our project consultants:  
 Submission@NDCresearch.com  
 PO Box 5271, Glendale, CA 91221  
 You can hand-deliver, mail, fax, scan and email, or photograph and email your map.

National Demographics, October 8, 2016 42D16 CALIPER

**Project Pricing**

1. **Basic Project Elements** (covers everything except for per-meeting and optional expenses): ..... \$ 24,500

2. **Per-Meeting expense:**

- In-person attendance, per meeting ..... \$ 2,750
- Virtual (telephonic, Zoom, etc.) attendance, per meeting..... \$ 1,250

For each meeting, NDC will prepare meeting materials, including presentation materials and maps; present and explain key concepts, including mandatory and traditional redistricting criteria and “communities of interest”; facilitate conversations; answer questions; and gather feedback on existing and proposed boundaries. Per-meeting prices include all travel and other anticipated meeting-related expenses. Telephone calls to answer questions, discuss project status, and other standard project management tasks do not count as meetings and do not result in any charge.

3. **Optional Project Elements:**

- a) Project website ..... \$ 5,500
- b) Public mapping tool options:
  - ESRI Redistricting ..... \*
  - Caliper-centered system including all elements below ..... \$ 25,000
    - “Maptitude Online Redistricting” (MOR)
    - Tuft University’s “DistrictR” (a simple neighborhood mapping tool)
    - Public Participation Kit paper- and Excel-based mapping tool
- c) DistrictR without MOR or ESRI ..... \$ 12,500
- d) Public Participation Kit mapping tool without MOR or ESRI..... \$ 6,500
- e) Working with independent or advisory redistricting commission ..... no additional charge
- f) Additional outreach assistance.....separately contracted

\* ESRI prices its software on a jurisdiction-by-jurisdiction basis. The lowest prices we have seen are \$80,000 and up. If that is an option the jurisdiction would like to pursue, NDC will request a specific price for your jurisdiction from ESRI.

**Other Potential Project-Related Expenses:**

The most common additional project expenses would be any site or staff costs for conducting the community forums and the cost of printing or copying paper copies of the “Public Participation Kit.” In NDC’s experience, most participants will download and print the Kits in their own homes or offices.



**Additional Analysis**

NDC is happy to assist with any additional analysis that the client requests at our standard hourly rates:

|                                      |                |
|--------------------------------------|----------------|
| Principal (Dr. Douglas Johnson)..... | \$300 per hour |
| Vice President (Justin Levitt) ..... | \$250 per hour |
| Senior Consultant .....              | \$200 per hour |
| Consultant.....                      | \$150 per hour |
| Analyst / Clerical .....             | \$50 per hour  |

Dr. Johnson is also available for deposition and/or testimony work if needed, at \$350 per hour.

**Requested Payment terms:**

NDC requests that the “Still Balanced” project fee be paid at the start of the project; that the difference between the “Still Balanced” fee and half of the “Basic Project Elements” be paid once the decision to update the district lines is made; and the balance of the project costs be paid at the conclusion of the project.

**Exception: “Still Balanced” Jurisdictions**

For a few jurisdictions, the existing election areas will still meet the equal population and voting rights act requirements using new 2020 Census data. These jurisdictions have the option simply retain the existing map without drawing and holding hearings on alternative maps. For jurisdictions electing this approach, the project would conclude with that decision.

Includes all the services listed below: ..... \$ 6,500

- Compile total population and Citizen Voting Age Population data.
- Import existing election area lines.
- Compile population data by election area and calculate population deviations, prepare memo summarizing findings.

**“Still Balanced” optional project elements and per-meeting expenses**

Meeting attendance and optional project elements are not included in the “minimal change” project base fee. If requested, NDC team members participate in “minimal change” project hearings or forums at the same “per meeting” expenses, and optional project elements are provided at the same prices listed for a standard project in the previous section of this proposal.

**Exception: “Minimal Changes” Scope of Work**

The initial NDC population analysis of the existing election areas may conclude that a jurisdiction’s election areas are only slightly out of population balance. Such a jurisdiction is still required to redistrict, but one or two small changes could balance the map without the need for, nor public interest in, an extensive series of draft maps and public meetings.

This project would involve fewer demographic data, fewer draft maps, and fewer meetings than a standard project. This “Minimal Changes” approach retains the community of interest and other decisions embodied in the already-existing map of election areas and makes only the small changes needed to bring that previous map into population balance.

For jurisdictions electing this “minimal changes” approach, the only expense would be the initial population analysis, per-meeting fees (at the per-meeting rates stated above) for any meetings, and a reduced NDC fee for the development, presentation, and implementation of the slightly adjusted map.

**“Minimal Change” basic elements cost, for services listed below:..... \$ 11,500**

- Compile total population and Citizen Voting Age Population data.
- Compile population data by existing election area and calculate population deviations.
- Prepare memo summarizing findings.
- Creation of two or three initial draft maps, with basic population and citizen voting age population demographics for each election area in each map.
- Online posting of the draft maps to an interactive review website.
- Drawing any requested minimal changes to a draft map.
- Work with the County Registrar of Voters to implement the final adopted plan.

**“Minimal Change” optional project elements and per-meeting expenses**

Meeting attendance and optional project elements are not included in the “minimal change” project base fee. If requested, NDC team members participate in “minimal change” project hearings or forums at the same “per meeting” expenses, and optional project elements are provided at the same prices listed for a standard project in the previous section of this proposal.

\* Under California’s FAIR MAPS Act, cities, towns and counties are not eligible for “Minimal Change” projects. A city or county that needs to make any change to its election areas must go through a “Standard Redistricting” process.

## Conclusion

Since its founding NDC has been the nation's preeminent company devoted to local election systems. To summarize:

- NDC has more experience in the field of municipal political election systems than any other company.
- NDC's experience and expertise has been recognized by our hundreds of clients, the California League of Cities, the California School Board Association, the California Special District Association, and the National Conference of State Legislatures.
- NDC, founded in 1979, has a demonstrated record of financial solvency.
- NDC's hardware and software resources were specially designed and acquired for districting and redistricting purposes.
- NDC's highly respected personnel have impeccable credentials in each aspect of the districting and redistricting processes.
- NDC's suggested approach has been tested in many jurisdictions.
- Any NDC client can be contacted for testimonials and reference.
- NDC has demonstrated experience over many years in working with the press and media on local election system issues.
- Neither the Justice Department nor any Court has ever rejected any of over 350 local government maps adopted through NDC-managed districting and redistricting projects.

NDC takes pride in tailoring each project to the needs and goals of each individual client. NDC is open to any feedback, concerns, requests, or changes regarding this proposal.

NDC looks forward to the opportunity to work with you on this project.



**Proposal Acceptance**

The terms of this proposal are available for 90 calendar days from its delivery to you. In most situations, NDC is open to extending that period of time to meet any particular needs of your jurisdiction.

If your jurisdiction has specific contract and/or letter of agreement language you prefer to use, please provide it and ignore the signature block below. If you prefer, simply sign two copies of this proposal in the signature block below and return them to NDC. Once signed by NDC, one copy will be returned to you.

Thank you.

For National Demographics Corporation

For Fullerton High

\_\_\_\_\_  
Douglas Johnson, President

\_\_\_\_\_

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

# Appendix

Resumes of NDC President Dr. Douglas Johnson and  
Vice President Dr. Justin Levitt are attached.

A client list and resumes of all NDC team members are  
available at [www.ndcresearch.com/about-us/](http://www.ndcresearch.com/about-us/).

# Douglas Mark Johnson

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Glendale, CA 91221  
djohnson@NDCresearch.com

mobile: (310) 200-2058  
office: (909) 624-1442  
fax: (818) 254-1221

## Employment

President, National Demographics Corporation, 2006 – present.  
Senior Analyst, National Demographics Corporation, 2001 – 2006.  
Fellow, Rose Institute of State and Local Government, 2001 – present.  
Project Manager and Senior Manager at three internet startup companies, 1999 - 2001.  
U.S. Representative Stephen Horn, Legislative Director and System Manager. 1993 – 1997.  
Coro Foundation, Fellowship in Public Affairs. 1992 – 1993.  
Rose Institute for State and Local Government, Student Manager. 1989 – 1992.

## Education

Claremont Graduate University, Ph.D. in Political Science, 2015. Dissertation: “Independent Redistricting Commissions: Hopes and Lessons Learned.”  
UCLA Anderson Graduate School of Management, MBA, 1999.  
Claremont McKenna College, BA in Government (Political Science), 1992.

## Academic Honors

Graduated Cum Laude from Claremont McKenna College.  
Phi Beta Kappa. Philip Roland Prize for Excellence in Public Policy.

## Publications and Articles

Christian Science Monitor “Let the public help draw voting districts,” October 25, 2013.  
New York Times, "The Case for Open Primaries," February 19, 2009.  
Los Angeles Times Opinion Articles:  
“A neighbor’s help on redistricting” June 24, 2007.  
“A Trojan horse primary for the GOP” February 25, 2007.  
“Where a porn palace stood” (article on redevelopment), July 30, 2006.  
Fresno Bee Opinion Article: “The Poison Handshake” June 15, 2004.  
Redistricting in America. Rose Institute of State and Local Government, 2010.  
Restoring the Competitive Edge: California's Need for Redistricting Reform and the Likely Impact of Proposition 77. Rose Institute of State and Local Government, 2005.  
"Competitive Districts in California" Rose Institute of State and Local Government, 2005.  
Latinos and Redistricting: “Californios For Fair Representation” and California Redistricting in the 1980s. Rose Institute of State and Local Government, 1991.

## Speaker or Panelist

California School Board Association Annual Education Conference panelist: “The California Voting Rights Act: What Board Members Must Know.” December 4, 2015.  
Associated Cities of California – Orange County, Keynote Speaker, Newly Elected Officials’ Reception and Dinner, “The California Voting Rights Act,” January 29, 2015.  
California League of Cities, City Manager Department, 2015 Department Meeting: “Opportunity to Engage Residents: The California Voting Rights Act.” January 29, 2015.  
California League of Cities, City Clerk Department, 2014 Annual Meeting: “Whose Line Is It Anyway: Making the transition from at-large to by-district elections.” September 3, 2014.  
National Conference of State Legislatures, Redistricting and Elections Standing Committee: 2007 Spring Forum, "The Arizona Independent Redistricting Commissions' experiences with the first-ever independent redistricting."  
National Conference of State Legislatures, Redistricting and Elections Standing Committee: 2008 Spring Forum, "Communities of Interest In Redistricting: A Practical Guide."

## Douglas Mark Johnson

National Conference of State Legislatures, Redistricting and Elections Standing Committee: 2009 Fall Forum, "The Key to Successful Redistricting."

National Conference of State Legislatures, Redistricting and Elections Standing Committee: 2010 Spring Forum, "Communities of Interest in Redistricting: A key to drawing 2011 plans (and for their defense)."

National Conference of State Legislatures, Redistricting and Elections Standing Committee: 2011 Winter Forum, "Citizen Voting Age Data from a line-drawer's viewpoint."

Luncheon Keynote Speaker, Santa Barbara's Channel Cities Club, "California's next experiment: independent, public redistricting," January 18, 2011.

Annual Conference, Arizona League of Cities and Towns, Presenter at "Redistricting Law and the Voting Rights Act: What It Means for Your City or Town in 2011," August 25, 2010.

Redistricting, The 2010 Census, and Your Budget, Sponsored by the Rose Institute of State and Local Government, California League of Cities, October 15, 2009.

Arizona Election Law 2010 Continuing Legal Education Conference, "Communities of interest and technology in redistricting," sponsored by the Arizona State Bar Association, March 2010

California's New Independent Redistricting Commission, sponsored by the Irvine Foundation and the California Redistricting Collaborative, December 15, 2009

Tribal Association of Sovereign Indian Nations (TASIN) Legislative Day 2009, "The 2010 Census and 2011 Redistricting in California," December 2, 2009.

California School Board Association, "Litigation Issues and the California Voting Rights Act," December 4, 2009.

California Latino School Boards Association, "Introduction to the California Voting Rights Act," August 20, 2009.

Building a National Reform Movement, Salt Lake City, Utah, 2006, conference on redistricting reform hosted by the League of Women Voters, Campaign Legal Center, and The Council for Excellence in Government

Texas Tech University, "A Symposium on Redistricting," May, 2006

California League of Cities, "Introduction to the California Voting Rights Act."

Voices of Reform, a project of the Commonwealth Club of San Francisco: multiple forums on redistricting and / or term limits, 2006 – 2007

Classroom speaker at Pepperdine University, the University of La Verne, Pomona College and Claremont McKenna College

# Justin Mark Levitt

P.O. Box 5271  
Glendale, CA 91221  
jlevitt@NDCresearch.com

mobile: (480) 390-7480  
office: (818) 254-1221  
fax: (818) 254-1221

## Employment

Vice-President, National Demographics Corporation, 2012 – present.  
Senior Analyst, National Demographics Corporation, 2003 – 2011.  
Instructor in Political Science, University of California, San Diego, 2012 – present.  
Graduate Research Fellow, Center for US-Mexico Studies, 2010 – present.  
Graduate Research Fellow, University of California, San Diego, 2008 – 2010 and 2013 – 2014.  
Jesse M. Unruh California Assembly Fellow. 2006 – 2007.  
Rose Institute for State and Local Government, Student Manager. 2005 – 2006.

## Education

University of California, San Diego, Ph.D. Political Science, 2016. Dissertation title: “The Impact of Geographic Patterns on Tradeoffs in Redistricting.”  
Claremont McKenna College, BA in Philosophy, Politics and Economics (PPE), 2006.

## Academic Honors

California Studies Fellow, University of California, San Diego, 2007 – 2009  
Graduated Cum Laude from Claremont McKenna College.

## Publications and Conference Presentations

Settle, Jamie, Robert Bond, and Justin Levitt. 2011. “The Social Origins of Adult Political Behavior.” *American Politics Research*: 39 (2). 239-263

Miller, Kenneth and Justin Levitt. 2007. “The San Joaquin Valley.” In The New Political Geography of California. Eds. Frederick Douzet, Thad Kousser, and Kenneth Miller. Berkeley: Institute of Government Studies.

“The Political Geography of Tradeoffs in Redistricting” Paper presented at the State Politics and Policy Conference, Iowa City, IA, 2013

*Getting What You Want: A Bargaining Approach to Fair Division in Redistricting*. Paper presented at the “Challenging Urban Borders : the geopolitics of immigration and segregation” workshop, Berkeley, CA, 2013 and the State Politics and Policy Conference, Houston, TX, 2012

“An Atlas of Public Health in Mexico” (with Alberto Diaz Cayeros). Paper presented at the Hewlett Foundation Conference on Public Health, Mexico City, DF. 2012

“Remoteness and the Territoriality of Public Health” (with Alberto Diaz Cayeros). Paper presented at the American Political Science Association conference, Seattle, WA. 2011

“Initiatives as revealed preferences”  
Paper presented at the American Political Science Association conference, Seattle, WA. 2011

“No Se Puede: Latino Political Incorporation in Phoenix.”. Paper Presented at the New Political Geography of California conference, Berkeley, CA., 2009

# Justin Mark Levitt

*“Political Change in the Central Valley”*. Paper Presented at the Western Political Science Association conference, Las Vegas, NV.,2007

## Working Papers

Hill, Seth, Thad Kousser, Alex Hughes, and Justin Levitt. ND. *“How Competitiveness Shapes Infrequent Primary Voters Response to Receiving a GOTV Mailer.”*

Diaz-Cayeros, Alberto and Justin Levitt. ND. *“Remoteness and the Territoriality of Public Health.”*

Levitt, Justin. ND. *“Getting What You Want: A Bargaining Approach to Fair Division in Commission-led Redistricting.”*

## Teaching Experience

### California State University, Long Beach, Department of Political Science

|   |                     |
|---|---------------------|
| Adjunct Professor—POSC 327 (Urban Politics)                   | Spring 2016-Present |
| Adjunct Professor—POSC 229 (Cases in Policy Analysis)         | Present             |
| Adjunct Professor—POSC 412 (Law and Social Change)            | Spring 2016-Present |
| Adjunct Professor—POSC 399 (California Politics Short Course) | Present             |

### University of California, San Diego, Department of Political Science

|  |             |
|--|-------------|
| Co-Instructor—UPS 170 (Regional Governance Reconsidered)       | Spring 2015 |
| Instructor—Poli 100A (The Presidency)                          | Fall 2014   |
| Instructor—Poli 160AA (Introduction to Public Policy Analysis) | Fall 2013   |
| Instructor—Poli 10 (Introduction to American Politics)         | Summer 2013 |