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RECEIVED & FILED
COMMONWEALTH COURT
OF PENNSYLVANIA
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IN THE COMMONWEALTH COURT OF PENNSYLVANIA

WILOLA SHINHOLSTER LEE; BEA
BOOKLER; THE LEAGUE OF WOMEN
VOTERS OF PENNSYLVANIA;
NATIONAL ASSOCIATION FOR THE
ADVANCEMENT OF COLORED PEOPLE;
PENNSYLVANIA STATE CONFERENCE;
and HOMELESS ADVOCACY PROJECT,
Petitioners,

v.

THOMAS W. CORBETT, in his capacity as
Governor; and CAROL AICHELE, in her
capacity as Secretary of the Commonwealth,
Respondents.

Docket No. 330 M.D. 2012

RESPONDENTS' DISCLOSURE OF REBUTTAL EXPERT REPORT

Pursuant to the Court's instructions at the June 24, 2013 pretrial conference and the
Pennsylvania Rules of Civil Procedure, Respondents hereby submit the rebuttal expert report of:

William E. Wecker, Ph.D.
William E. Wecker & Associates, Inc.
270 E. Simpson Avenue
P.O. Box 1010
Jackson, Wyoming 83001-1010

The rebuttal expert report of Dr. Wecker is attached as Exhibit 1.

Respondents reserve the right to modify, supplement, or amend the foregoing rebuttal expert report as Petitioners reserve the right to modify, supplement, or amend their expert reports. Respondents also reserve the right to rebut any modified, supplemented, or amended arguments, testimony, expert reports, evidence, or questioning presented by Petitioners.

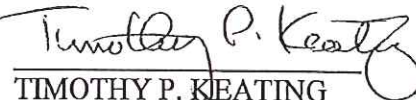
Date: July 8, 2013

Respectfully submitted,

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EXHIBIT 1

RESPONDENTS' DISCLOSURE OF REBUTTAL EXPERT REPORT

IN THE COMMONWEALTH COURT OF PENNSYLVANIA

Viviette Applewhite; Wilola Shinholster Lee;
Gloria Cuttino; Nadine Marsh; Bea Bookler;
Joyce Block; Devra Mirel ("Asher") Schor; the
League of Women Voters of Pennsylvania,
National Association for the Advancement of
Colored People, Pennsylvania State
Conference; Homeless Advocacy Project,

Petitioners,

v.

The Commonwealth of Pennsylvania;
W. Corbett, in his capacity as Governor; and
Carol Aichele, in her capacity as Secretary of
the Commonwealth,

Respondents.

Docket No. 330 MD 12

EXPERT REPORT OF WILLIAM E. WECKER

July 8, 2013

1. My name is William E. Wecker. I am a statistician and applied mathematician. I received the Bachelor of Science degree (Basic Sciences) from the United States Air Force Academy in 1963. I received both the Master of Science degree (Operations Research, 1970) and Doctor of Philosophy degree (Statistics and Management Science, 1972) from the University of Michigan. I have served on the faculties of the University of Chicago, the University of California, Davis, and Stanford University, where I taught statistics and applied mathematics at the graduate level. I have performed research in statistical theory, statistical methods, and applied mathematics since 1972. I am currently President of William E. Wecker Associates, Inc., an applied mathematics consulting firm with offices in Novato, California, and Jackson, Wyoming. I am a member of the American Statistical Association, the Institute of Mathematical Statistics, and the Society for Risk Analysis. I have served as associate editor of the *Journal of the American Statistical Association* for four years and of the *Journal of Business and Economic Statistics* for eighteen years. These qualifications and a list of my professional publications are shown in my *curriculum vitae*, which is appended to this report as Attachment A.
2. A list of all cases in which I have testified as an expert at trial or by deposition over the past four years is appended to this report as Attachment B. The billing rate for my time working on this matter is \$700 per hour.
3. A list of materials I have considered in forming the opinions expressed in this report is appended to this report as Attachment C. From time to time I refer to electronic computer files that are part of my report, which are provided separately.

4. In connection with my anticipated trial testimony in this action, I may use as exhibits various materials or documents that refer or relate to the matters discussed in this report. In addition, I reserve the right to use animations, demonstrative exhibits, enlargements of actual exhibits, and other information of any kind in order to convey my opinions.
5. I reserve the right to amend or supplement this report should additional information become available to me or for any other reason.
6. Counsel for Commonwealth of Pennsylvania has asked me to review and comment on the expert report of Bernard R. Siskin, dated July 1, 2013 ("Siskin Report").
7. Dr. Siskin describes a fundamental question relating to the Commonwealth of Pennsylvania voter ID law,

In the November 2013 election, Pennsylvania voters may be required to present valid photo ID in order to cast a regular in-person ballot. The question arises as to how many registered voters in the Commonwealth of Pennsylvania ("PA," "Pennsylvania," or "Commonwealth") currently lack such valid photo ID. (Siskin Report, p. 2)

But, Dr. Siskin does not attempt to answer this fundamental question. Instead, Dr. Siskin attempts to answer a more limited question,

Counsel for Petitioners in this matter have asked me to determine the number of currently Registered Voters who lack an acceptable voter ID issued by the Pennsylvania Department of Transportation ("PennDOT") or Pennsylvania Department of State ("DOS"). (Siskin Report, p. 2)

8. Even if Dr. Siskin had been able to answer the more limited question, which he did not, it would not have provided an answer, or even helpful guidance, with respect to the more fundamental question. This is true because the secure PennDOT and DOS ID are not the only forms of ID that are acceptable under the Pennsylvania voter ID law. I understand that voters who may lack a secure PennDOT or DOS ID may possess other valid ID or may vote

absentee, in which case they do not require photo ID if they possess a social security number or are members of an exempt category. Dr. Siskin acknowledges that the statute authorizes other forms of ID.

I understand that there are alternative forms of acceptable photo identification such as a military ID, another form of U.S.- or Commonwealth-issued ID, an ID from an accredited Pennsylvania public or private institution of higher learning, an ID from a Pennsylvania care facility, or an employee ID issued by a Commonwealth municipality or county (assuming that ID satisfies the Photo ID Law's expiration date and name conformity requirements). (Siskin Report, p. 3-4)

But he does nothing to address these issues.

This Report only addresses whether voters in the SURE Database have valid ID for voting purposes as reflected in the PennDOT Database. (Siskin Report, p. 4)

9. Moreover, Dr. Siskin's analysis of the limited question he did investigate is seriously flawed for a number of reasons. Dr. Siskin counted voters as a "failure to match" (from which he concludes that the voter, or potential voter, lacks a valid ID) when the voter had voted "absentee" in the last election in which they voted. Dr. Siskin counted voters as a "failure to match" when the voter was entitled to vote by absentee ballot under the Uniformed and Overseas Citizens Absentee Voting Act (UOCAVA) or by alternative ballot under the Voting Accessibility for the Elderly and Handicapped Act. Dr. Siskin counted voters as a "failure to match" when the voter was deceased. Dr. Siskin counted voters as a "failure to match" when the voter was living at a care facility that is eligible to issue valid photo ID. Dr. Siskin counted voters as a "failure to match" when the voter was living at a college or university that is eligible to issue valid photo ID. Dr. Siskin counted voters as a "failure to match" when the voter was living at a military base where valid ID is required. Dr. Siskin counted voters as a "failure to match" when the voter was living at a correction center and possibly

ineligible to vote, or unable to renew a valid ID at this time, or if eligible to vote “absentee” would not require ID.

10. Dr. Siskin counted voters as a “failure to match” when his own analysis of a random sample of voter records showed that 14 percent of his “unmatched” records were improperly classified by him as “unmatched” because of acknowledged defects in his method of identifying matching records. (See Siskin Report Appendix C.) But Dr. Siskin’s calculation of 14 percent error in his finding of “unmatched” records is based only on his matching of “unmatched” records using the limited data sources he employed. Dr. Siskin ignored available data on colleges and universities, care facilities, military bases, correctional facilities, migration data and vital statistics (including marriages and deaths) which would have improved his “matching” analysis.
11. Dr. Siskin ignored information within the data sets he used. For example, Dr. Siskin made no use of “deceased” information in the PennDOT data. Dr. Siskin made no use of the SURE data showing whether a voter voted “absentee” in the last election in which they voted. In short, Dr. Siskin investigated a limited question using limited data. These limitations undercut the credibility of his analysis.
12. I reviewed 511,415 computer records provided to me by Dr. Siskin for registered voters that Dr. Siskin states did not match valid secure PennDOT or DOS ID. (See Siskin Report, Table 1.) I found 56,437 of Dr. Siskin’s “unmatched” records voted “absentee” in the last election in which they voted. (See Wecker computer file dir08/01.count.absentee.lst.) I found 17,924 deceased voters. (See Wecker computer file dir08/02.count.deceased.lst.) I found 18,217

voters aged 65+ living at a care facility that is eligible to issue valid photo ID.¹ (See Wecker computer file dir08/04.count.carefac.lst.) I found 48,046 voters aged 18-28 living at a college or university that is eligible to issue valid photo ID. (See Wecker computer file dir08/03.count.colleges.lst.) I found 2,547 voters living at a military base where valid photo ID is required. (See Wecker computer file dir08/05.count.military.lst.) I found 1,294 voters living at a correction center and possibly ineligible to vote, or unable to renew a valid ID at this time, or if eligible to vote “absentee” would not require ID. (See Wecker computer file dir08/05.count.ccc.lst.) These are examples of voters who were counted by Dr. Siskin as not having valid ID, who appear to either have access to valid ID or to otherwise have ability to vote and which show that Dr. Siskin’s exercise is not a credible basis on which to conclude that the Pennsylvania voter ID statute disenfranchises voters.

13. I reviewed 1,147 computer records provided to me by Dr. Siskin for registered voters living in Union County Pennsylvania, who voted in the November 2012 election, that Dr. Siskin states did not match valid secure PennDOT or DOS ID. (See Siskin Report, Table 6A.) I investigated Dr. Siskin’s counts for Union County because Siskin Report, Table 6A identifies Union County as having the highest percentage of “unmatched” voters among all Pennsylvania counties without a driver’s license center and the second highest among all Pennsylvania counties. Union County is the home for Bucknell University. I found 913 of Dr. Siskin’s “unmatched” records were voters aged 18-28 living at Bucknell University where many students attend from out of state and where there are faculty “visiting” from other states. (See Wecker computer file dir08/03.count.colleges.lst.) I found 98 records for

¹ I found 76,993 records for voters aged 65+ living within 1 mile of a care facility that is eligible to issue valid photo ID.

² There are nine Pennsylvania counties identified by Dr. Siskin as having no driver’s license center. Forest County is tied with Clinton County as the median county for “unmatched” voters

voters who previously voted “absentee” in the last election in which they voted. (See Wecker computer file 01.count.absentee.lst.) I found one deceased voter. (See Wecker computer file dir08/02.count.deceased.lst.) I found 12 voters aged 65+ living at a care facility that is eligible to issue valid photo ID. (See Wecker computer file dir08/04.count.carefac.lst.) These are examples of voters who were counted by Dr. Siskin as not having valid ID, who appear to either have access to valid ID or to otherwise have ability to vote and which show that Dr. Siskin’s exercise is not a credible basis on which to conclude that the Pennsylvania voter ID statute disenfranchises voters.

14. I reviewed 39 computer records provided to me by Dr. Siskin for registered voters living in Forest County Pennsylvania, who voted in the November 2012 election, that Dr. Siskin states did not match valid secure PennDOT or DOS ID. (See Siskin Report, Table 6A.) I investigated Dr. Siskin’s counts for Forest County because Siskin Report, Table 6A identifies Forest County as having no driver’s license center in the county.² I found that 17 of Dr. Siskin’s 39 “unmatched” records were voters who previously voted “absentee” in the last election in which they voted. (See Wecker computer file dir08/01.count.absentee.lst.) I found one deceased voter. (See Wecker computer file dir08/02.count.deceased.lst.) I found one voter aged 65+ living at a care facility that is eligible to issue valid photo ID. (See Wecker computer file dir08/04.count.carefac.lst.) These are examples of voters who were counted by Dr. Siskin as not having valid ID, who appear to either have access to valid ID or to otherwise have ability to vote and which show that Dr. Siskin’s exercise is not a credible basis on which to conclude that the Pennsylvania voter ID statute disenfranchises voters.

² There are nine Pennsylvania counties identified by Dr. Siskin as having no driver’s license center. Forest County is tied with Clinton County as the median county for “unmatched” voters among these nine. (See Siskin Table 6A)

15. I reviewed 220 computer records provided to me by Dr. Siskin for registered voters living in Clinton County Pennsylvania, who voted in the November 2012 election, that Dr. Siskin states did not match valid secure PennDOT or DOS ID. (See Siskin Report, Table 6A.) I investigated Dr. Siskin's counts for Clinton County because Siskin Report, Table 6A identifies Clinton County as having no drivers license center in the county.³ Clinton County is also the home of Lock Haven University. I found 46 of Dr. Siskin's "unmatched" records were voters aged 18-28 living at Lock Haven University, which issues valid IDs. (See Wecker computer file dir08/03.count.colleges.lst.) I found that 41 of Dr. Siskin's 220 "unmatched" records were voters who had previously voted "absentee" in the last election in which they voted. (See Wecker computer file dir08/01.count.absentee.lst.) I found three deceased voters. (See Wecker computer file dir08/02.count.deceased.lst.) These are examples of voters who were counted by Dr. Siskin as not having valid ID, who appear to either have access to valid ID or to otherwise have ability to vote and which show that Dr. Siskin's exercise is not a credible basis on which to conclude that the Pennsylvania voter ID statute disenfranchises voters.



William E. Wecker
July 8, 2013

³ There are nine Pennsylvania counties identified by Dr. Siskin as having no driver's license center. Forest County is tied with Clinton County as the median county for "unmatched" voters among these nine. (See Siskin Table 6A)

Attachment A

Curriculum Vitae

July 2013

WILLIAM E. WECKER

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E-Mail: wecker@wecker.com

EDUCATION

B.S. Basic Science, U.S. Air Force Academy (1963)
M.S. Operations Research, University of Michigan (1970)
Ph.D. Statistics and Management Science, University of Michigan (1972)

EMPLOYMENT

1963-1967 Fighter pilot, U.S. Air Force
1968-1969 Chief of Protocol, U.S. Air Force, Berlin, Germany
1970-1972 Graduate Student, University of Michigan
1973-1976 Assistant Professor, Graduate School of Business, University of Chicago
1977-1983 Associate Professor, Graduate School of Business, University of Chicago
1984-1985 Associate Professor, Graduate School of Management, University of California, Davis
1985-1989 Professor, Graduate School of Management, University of California, Davis
1994-1998 Consulting Professor of Law, School of Law, Stanford University
1990- President, William E. Wecker Associates, Inc.

ACTIVITIES

1977-1981 Associate Editor (Theory and Methods), Journal of the American Statistical Association
1981-1999 Associate Editor, Journal of Business and Economic Statistics
1990-1992 Management Committee, Journal of Business and Economic Statistics
1976-1994 Seminar Leader, NSF/NBER Seminar on Time Series Analysis
1993-1994 National Advisory Council on Environmental Policy and Technology
(Lead Subcommittee)

Member of: American Association for the Advancement of Science
American Statistical Association
Institute of Mathematical Statistics
Society for Risk Analysis

PUBLICATIONS

- "A Nonparametric Approach to the Construction of Prediction Intervals for Time Series Forecasts" (with W. A. Spivey), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1972.
- "Regional Economic Forecasting: Concepts and Methodology" (with W. A. Spivey), The Regional Science Association Papers, Vol. 28, 1972, pp. 257-276.
- "On the Weighted Average Cost of Capital" (with R. R. Reilly), Journal of Financial and Quantitative Analysis, January 1973, Vol. VIII, pp. 123-126.
- "On Random Walks with Absorbing Barriers" (with Thomas E. Morton), Proceedings of the Business and Economic Statistics Section-- American Statistical Association, 1973.
- "Prediction Methods for Censored Time Series," Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1974.
- "More on the Weighted Average Cost of Capital: Reply" (with R. R. Reilly), Journal of Financial and Quantitative Analysis, June 1975.
- "Predicting Mail Order Demand for Style Goods," Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1975.
- "The Prediction of Turning Points," Proceedings of the Business and Economic Statistics Section-- American Statistical Association, 1976.
- "Bounds on Absorption Probabilities for the m-Dimensional Random Walk" (with T. Morton), Journal of the American Statistical Association, March 1977.
- "Discounting, Ergodicity and Convergence of Markov Decision Processes" (with T. Morton), Management Science, April 1977.
- "Comments on 'Forecasting with Econometric Methods: Folklore versus Fact'," Journal of Business, 1978, pp. 585-586.
- "Comment on 'Seasonal Adjustment When Both Deterministic and Stochastic Seasonality Are Present'," Proceedings of the NBER-CENSUS Conference on "Seasonal Analysis of Economic Time Series", U.S. Government Printing Office, Washington, D.C., 1978, pp. 274-280.
- "Predicting Demand from Sales Data in the Presence of Stockouts," Management Science, 1978, Vol. 34, No. 10, pp. 1043-1054.
- "The Time Series Which Is the Product of Two Stationary Time Series," Stochastic Processes and Their Application, 1978, pp. 153-157.
- "Predicting the Turning Points of a Time Series," Journal of Business, January 1979, Vol. 52, pp. 35-50.

- "A New Approach to Seasonal Adjustment," Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1979.
- "Linear and Nonlinear Regression Viewed as a Signal Extraction Problem" (with C. Ansley), Proceedings of the Business and Economic Statistics Section-- American Statistical Association, 1980.
- "Asymmetric Time Series," Journal of the American Statistical Association, March 1981.
- "Predicting a Multitude of Time Series" (with R. A. Thisted), Journal of the American Statistical Association, September 1981.
- "Applications of the Signal Extraction Approach to Regression" (with C. Ansley), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1981.
- "Nonparametric Multiple Regression by Projection Iteration" (with C. Ansley), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1982.
- "The Signal Extraction Approach to Nonlinear Regression and Spline Smoothing" (with C. Ansley), Journal of the American Statistical Association, March 1983.
- "Extensions and Examples of the Signal Extraction Approach to Regression" (with C. Ansley), Applied Time Series Analysis of Economic Data, A. Zellner (ed.), Washington, D.C.: Bureau of the Census/ASA, 1983.
- "The Signal Extraction Approach to Estimating Income and Price Elasticities: A Data Example" (with C. Ansley), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1983.
- "A Nonparametric Bayesian Approach to the Calibration Problem," (with C. Ansley), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1984.
- "On Dips in the Spectrum of a Seasonally Adjusted Time Series" (with C. Ansley), Journal of Business and Economic Statistics, October 1984.
- "Estimating Damages in a Class Action Litigation" (with E. George), Journal of Business and Economic Statistics, April 1985.
- "Statistics in Accounting, Marketing, Finance and Production" (with R. Hamada, J. Patell, R. Staelin), Proceedings of the Business and Economic Statistics Section--American Statistical Association, 1986.
- "The Role of Statistics in Accounting, Marketing, Finance and Production" (with R. Hamada, J. Patell, R. Staelin), Journal of Business and Economic Statistics, 1988.
- "Assessing the Accuracy of Time Series Model Forecasts of Count Observations," Journal of Business and Economic Statistics, October 1989.

"Impact of the Soviet Grain Embargo; A Comparison of Methods" (with A. Webb, et al), Journal of Policy Modeling, pp. 361-389, 1989.

"Modeling Daily Milk Yield in Holstein Cows Using Time Series Analysis" (with H. Deluyker, et al.), Journal of Dairy Science, pp. 539 - 548, 1990.

"Controlling Emissions from Motor Vehicles: A Benefit-Cost Analysis of Vehicle Emission Control Alternatives" (with L. Lave, et al.), Environmental Science & Technology, August 1990.

"Statistical Estimation of Incremental Cost from Accounting Data" (with R. Weil), Handbook of Litigation Services for Accountants and Lawyers, John Wiley & Sons, 1990.

"Correcting for Omitted-Variables and Measurement-Error Bias in Regression with an Application to the Effect of Lead on IQ" (with M. L. Marais), Journal of the American Statistical Association, June 1998.

Attachment B

Deposition and Trial Testimony

William E. Wecker
Deposition and Trial Testimony
January 1, 2009 – July 8, 2013

1. Charles Foti, Attorney General *ex rel*, State of Louisiana v. Janssen Pharmaceutica, Inc. et al. Judicial District Court, Parish of St. Landry, Louisiana, No. 04-C-3967-D.
2. i4i Limited Partnership v. Microsoft Corporation. USDC, Eastern District of Texas, Tyler Division, No. 6:07-CV-113-LED.
3. Wyeth v. Apotex Inc. and Apotex, Corp. USDC, Southern District of Florida, No. 1:2008cv22308.
4. Steven Wirsz v. Nissan North America, Inc., et al. Superior Court, Los Angeles County, California, No. BC 377417.
5. L-3 Communications Integrated Systems, LP v. Lockheed Martin Corporation. USDC, Northern District of Texas, Dallas Division, No. 3-07CV0341-B.
6. Zurn PEX Plumbing Products Liability Litigation. USDC Minnesota, MDL 08-MD-1958.
7. Network-1 Security Solutions, Inc. v. Cisco Systems, Inc. USDC, Eastern Division of Texas, Tyler Division, No. 6:08cv030-LED.
8. In Re Payment Card Interchange Fee and Merchant Discount Antitrust Litigation. USDC, Eastern District of New York, No. 1:05-MD-1720 (JG)(JO).
9. In Re: Tobacco Litigation (Individual Personal Injury Cases). Circuit Court, Ohio County, West Virginia, No. 00-C-5000.
10. City of St. Louis, et al. v. American Tobacco Company, et al. Circuit Court, City of St. Louis, Missouri, No. 982-9652.
11. Dayna Craft, et al. v. Philip Morris Companies, Inc. and Philip Morris Incorporated. Circuit Court, City of St. Louis, Missouri, No. 002-00406A.
12. State of South Carolina, ex rel. Henry McMaster v. Janssen Pharmaceutica, Inc., et al. Court of Common Pleas, Spartanburg County, South Carolina, No. 2007-CP-42-1438.
13. State of Texas ex rel. Allen Jones v. Janssen Pharmaceutica, Inc., et al. District Court, Travis County, Texas, No. D-1-GV-04-001288
14. In re: Oil Spill by the Oil Rig "Deepwater Horizon" in the Gulf of Mexico, on April 20, 2010. USDC, Eastern District of Louisiana, MDL No. 2179.

15. State of Arkansas *ex rel*, Dustin McDaniel, Attorney General v. Ortho-McNeil-Janssen Pharmaceuticals, Inc. and/or Janssen, LP and Johnson & Johnson, Inc. Circuit Court, Pulaski County, Arkansas, No. 07-15345.
16. REC Software USA, Inc. v. Bamboo Solutions Corporation, Microsoft Corporation, SAP America, Inc., and SAP, AG. USDC, Western District of Washington at Seattle, No. 2:11-CV-00554-JLR.
17. In Re: Washington Mutual Mortgage Backed Securities Litigation. USDC, Western District of Washington at Seattle, Master Case No. C09-0037.
18. In re Tobacco Cases II: Willard R. Brown, et al. v. The American Tobacco Co., Inc., et al. Superior Court, San Diego County, California, JCCP No. 4042, Case No. 711400.
19. Motorola Mobility, Inc. and General Instrument Corporation v. TiVo, Inc.; TiVo Inc. v. Motorola Mobility, Inc., General Instrument Corporation, Time Warner Cable Inc., and Time Warner Cable LLC. USDC, Eastern District of Texas, Texarkana Division, No. 5:11-cv-00053-MHS-CM.

Attachment C

Materials Reviewed

Attachment C

Materials Reviewed

1. Joint Application for Entry of Protective Order, *Applewhite v. The Commonwealth of Pennsylvania, et al*, Case No. 330 MD 2012, June 8, 2012.
2. *Pennsylvania's Voter ID Law*, Pennsylvania Department of State, March 6, 2013 (<http://www.votespa.com/portal/server.pt?open=514&objID=1174114&parentname=ObjMgr&parentid=4&mode=2>).
3. The Pennsylvania Voter Registration file ("SURE Database"), received June 26, 2013.
4. Dr. Bernard R. Siskin, *Report in the matter of Applewhite v. Commonwealth of Pennsylvania*, July 1, 2013 (including electronic files received July 3, 2013).
5. The PA Department of Motor Vehicles file ("PennDOT Database"), received June 26, 2013.
6. Full Voter Export ("FVE") database received July 1, 2013.
7. Pennsylvania Department of State files listing the addresses of colleges and universities, military bases, care facilities, and community correctional centers in Pennsylvania received July 3, 2013.
8. PostgreSQL -- Database engine used for geospatial calculations with the following extensions:
 - 8.1. PostGIS -- A spatial database extender for PostgreSQL database to add support for geographic objects allowing location queries to be run in SQL. (<http://postgis.net/>).
 - 8.2. Tiger Geocoder -- An SQL-based geocoder written to work with the TIGER (Topologically Integrated Geographic Encoding and Referencing system) / Line and Master Address database export released by the U.S. Census Bureau. (<http://postgis.refractory.net/docs/Extras.html>).

IN THE COMMONWEALTH COURT OF PENNSYLVANIA

WILOLA SHINHOLSTER LEE; BEA
BOOKLER; THE LEAGUE OF WOMEN
VOTERS OF PENNSYLVANIA;
NATIONAL ASSOCIATION FOR THE
ADVANCEMENT OF COLORED PEOPLE,
PENNSYLVANIA STATE CONFERENCE;
and HOMELESS ADVOCACY PROJECT,
Petitioners,

v.

THOMAS W. CORBETT, in his capacity as
Governor; and CAROL AICHELE, in her
capacity as Secretary of the Commonwealth,
Respondents.

Docket No. 330 M.D. 2012

CERTIFICATE OF SERVICE

I, Timothy P. Keating, hereby certify that, on this date, I served the foregoing document by causing a copy of the same to be deposited in the United States mail, first-class, postage prepaid, at Harrisburg, Pennsylvania and via email, addressed to the following:

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VWalczak@aclupa.org
Counsel for Petitioners

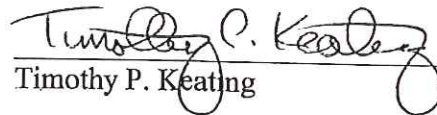
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Benjamin D. Geffen, Esquire
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Counsel for Petitioners

Dated: July 8, 2013


Timothy P. Keating