

Robert Alan Kull, P.P.

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Trenton (Ewing), New Jersey 08638-4714

VITAE

Key Skills

Professional Planning

- New Jersey Licensed Professional Planner since 1984
- Authorship in county and state plans
- Alternative Dispute Resolution, meeting facilitation
- Strategic/action planning
- Scenario-based planning
- Comprehensive planning
- Regional planning
- Capital budgeting and infrastructure planning
- Visioning
- Environmental, socioeconomic impact analysis
- Sustainable development and design
- Scenic byway planning and management
- Site plan review
- GIS and mapping

Management

- Performance monitoring (Management by Objectives, Balanced Scorecard, Targets and Indicators, Benchmarking)
- Personnel (performance review, conflict resolution, harassment, staff development)
- Budget preparation, review and management
- Project scoping, personnel assignment, resource estimation, costing, scheduling and prioritization

Research

- Quantitative: demographics, econometrics, infrastructure needs assessment, impact analysis
- Qualitative: literature review, Delphi panels, research collaborations, presentations, policy impact and contingency analysis
- Affiliate, State Data Center Network
- Experienced user of online research and data resources
- Developed, organized and maintained reference resources on Office of State Planning web site
- Training in multivariate analysis, SPSS
- Copy editing, proofreading and fact checking
- Graphical display of data

Technical

- User/administrator of all versions of DOS and Windows computer operating systems through XP Professional, Mac OS
- Advanced user/administrator of all versions of Microsoft Office (Word, Excel, Access, Powerpoint, Outlook) through XP Professional
- Advanced project management (Microsoft Project)
- User of ESRI ArcView (through 3.2) and MapInfo (through 6.0); trained in ArcInfo
- Limited Visual Basic, Basic and FORTRAN programming experience
- Intermediate computer network design and administration
- Advanced HTML, Javascript and Adobe Acrobat authoring
- Limited Help resource authoring (Wextech Doc-To-Help, Microsoft HTML Help)
- Intermediate digital video production (Adobe Premiere, MGI Video Wave, RealProducer)
- Advanced digital darkroom (Adobe Photoshop through 6, Apple QuickTime VR)
- Intermediate digital and film (35mm and 120) photography
- Intermediate digital graphics (Adobe Illustrator through 10) and layout (Quark XPress, Adobe InDesign, Microsoft Publisher); some experience with prepress and printers
- Intermediate audio production (SoundForge, Cakewalk)
- Planning Support Systems software evaluation (e.g., RPP GOZ, Orton CommunityViz, Criterion Smart Growth Index, Evans and Sutherland RapidSite) and development (OSP Planning Toolbox)
- Palm OS (Handspring Visor)

Other Skills and Experience

- Amateur singer (choral)
- Youth league coach, football and baseball
- Chaired various professional and civic boards
- Teaching (secondary through grad school)
- Small business accounting
- Metalworking

New Jersey Office of State Planning

November 1986 — January 2002

- Initiated programming of a multimedia CD-ROM to include the 2001 State Plan and associated documents, including the only publication of the Statement of Agreements and Disagreements required as part of the State Plan by the State Planning Act.
- Adapted the 2001 State Plan, State Plan Executive Summary, Infrastructure Needs Assessment, Infrastructure Needs Assessment Executive Summary, and State Plan Policy Maps of various scales to the Office of State Planning web site at www.njstateplan.com (alternately www.nj.gov/osp). The adaptation included Javascript animations of the development and redevelopment scenarios published as separate images in the State Plan.
- Adapted the June 2001 report, “Creating Communities of Learning: Schools and Smart Growth in New Jersey” to the OSP web site.
- Adapted “Designing New Jersey” to the OSP web site, performing all conceptualization and design and supervising programming for the site.
- Appointed to HMFA technical steering committee for a housing price prediction/estimation model being developed by the University of Pennsylvania Wharton School.
- Presented Census 2000 findings and their implications for housing and community development planning and policy making at the State Data Center Conference in December 2001.
- Presented an evaluation of Planning Support Systems at the New Jersey Chapter, American Planning Association Annual Conference in November 2001. The panel received standing room only attendance and high evaluations.
- Supervised and completed fact checking and assisted in copy editing and provision of digital data and graphics files for the publication of the 2001 State Plan, State Plan Executive Summary, Infrastructure Needs Assessment, and the Infrastructure Needs Assessment Executive Summary.
- Developed procedures and methodologies to develop municipal population and employment projections for use by state agencies in consultation with the State Planning Commission, other state agencies, regional agencies, counties, municipalities and the public.
- Produced a multimedia Powerpoint presentation featuring the alternative development and redevelopment scenarios published in the State Plan for the State Planning Commission meeting to adopt the State Plan on March 1, 2001.
- Primary author and researcher of the Infrastructure Needs Assessment, required as part of the State Plan under the State Planning Act, and the Infrastructure Needs Assessment Executive Summary.
- Prepared eight slides for each of 21 State Plan public hearings displaying population, job and household forecasts, Policy Maps, lists of centers and other data customized for each county.
- Programmed and published the “State Planning 2000” CD-ROM, which was extensively (over 5,000 copies) distributed prior to and during the public hearings on the State Plan from November 2000 through February 2001. The CD contained fully searchable, digital versions of the Draft State Plan, Draft State Plan Executive Summary, Draft Infrastructure Needs Assessment, Draft Statement of Agreements and Disagreements, Policy Maps, the September 2000 Impact Assessment Study and other reports (such as Designing New Jersey and Employment and Community) and data to better inform the public participating in the 21 hearings.
- Initiated an intergovernmental agreement to develop model estimating water quality impacts of development patterns with the US Department of Interior, Geological Survey. USGS contributed 50% of the project funding. USGS presented findings of environmental features and associated prototype GIS data critical for effective water resources planning by local government at an OSP internal briefing in October 2001. While data will ultimately be produced statewide, initial data will be developed for Highlands municipalities.
- Project manager for updated statewide Hazards Assessment and Vulnerability Analysis in 2001 for the New Jersey Office of Emergency Management and FEMA. In addition to updating and rewriting the report, OSP provided GIS coverages for vulnerability analysis to NJOEM. NJOEM seeks to have OSP provide lead role in working with municipalities to integrate hazard mitigation and vulnerability analysis in local master plans, redevelopment and other smart growth efforts.

- Analyzed and presented initial findings and implications of the Census 2000 redistricting data released on March 8 to the State Planning Commission at its meeting on March 21.
- Member of the interagency Sustainable State Steering Committee which produced the NJDEP “Governing with the Future in Mind” report. OSP contributed a discussion of the role of the Brownfields Redevelopment Task Force and relationships between the Sustainable State initiative and the State Plan.
- Advanced one of 21 projects nationwide selected by the Orton Foundation to test CommunityViz, a new GIS-based software package for community planning. OSP was the lead applicant with Morris County, Lincoln Park, NJDOT and NJDEP for a project to evaluate, visualize and assess impacts of alternative redevelopment scenarios for a transit station area. OSP research staff had been involved in the development of components of the software, and completed a mandatory one week training session to obtain the software.
- Implemented a new design concept and registered a new URL for the OSP web site (www.njstateplan.com) as proposed by Princeton Partners consultants by reprogramming nearly 500 web pages in less than three weeks to launch on September 24, 2001 simultaneously with a prescheduled radio and Internet campaign. Registered njstateplan.com, njsmartgrowth.com and njbrownfields.com and related domains to link to OSP web sites on the state web server.
- Supervised programming for version 3.0 of the OSP Growth Simulation (“Planning Toolbox”) Model.
- Prepared a 13-page “background and options” memo in August 2001 for use by the State Planning Commission in preparing to review state capital projects pursuant to State Planning Act provisions. In December 2001, the State Planning Commission passed a resolution to create a task force to review these options.
- Organized and participated in a panel on Census 2000 findings and their implications for housing and community development planning and policy making at the Governor’s Housing Conference in Atlantic City on September 24. The panel was attended by over 100 people (standing room only) and highly regarded in evaluations.
- Presented issues regarding preparing and using scenic byway management plans at the NATPO regional transportation conference at Cape May on September 11, 2001. The conference involved registrants from Puerto Rico to Prince Edward Island, Canada.
- Met with a Red Bank official on September 6, 2001 to discuss how municipal and DCA databases may be better integrated between state and local government as well as among municipal, school district, and state agencies through GIS databases and GovConnect. Opportunities to use Red Bank and its neighboring revitalizing centers as a prototype through smart growth grants and through IT prototype projects were explored.
- Supervised updating of the OSP mailing list database, including removal of invalid addresses (returns from post office) in cooperation with the Public Affairs Unit.
- Supervised updating, expansion and adaptation of the OSP Municipal Profiles database for online and CD-ROM use to increase the productivity of research staff. On average, approximately 20 data requests consume approximately 30 hours of time each month.
- Participated in a conference, “Implementation of the Public Health Goals in New Jersey’s Land Use Plan” in Princeton in October 2001. The Office of State Planning assisted the Milbank Memorial Fund, the Centers for Disease Control and Prevention, and the Regional Plan Association in organizing this event for senior New Jersey public officials.
- Proposed roles for the Office in long range planning in response to the September 11 tragedy in a presentation to the Strategic Planning Committee of the State Planning Commission on October 3, 2001. A representative of the New Jersey Office of Emergency Management (Department of Law and Public Safety) participated in the discussion and advocated a role for OSP in assisting counties and municipalities in hazard mitigation planning and vulnerability analysis.
- Supervised migration of OSP computer network from Treasury IS to DCA IT.
- Assisted Treasury’s Division of Property Management and Construction in developing procedures and web site resources to identify locations of potential purchased or leased properties relative to the State Plan Policy Map.
- Managed the impact assessment study published by the Rutgers University Center for Urban Policy Research in September 2000, including developing the Request for Proposals, reviewing and evaluating bids, and serving as Principal Technical Contact and contract administrator to the consultants.

- Project manager for the study and March 2000 report, “Brownfields Redevelopment as a Tool for Smart Growth: Analysis of Nine New Jersey Municipalities” produced by the Rutgers University Center for Brownfields and Neighborhood Redevelopment.
- Project manager for a study of urban revitalization issues by the Rutgers University Center for Urban Policy Research published by Rutgers in January 2000.
- Organized and convened a conference, in collaboration with the Rutgers University Department of Urban Planning in December 1999 convening national and international experts on visualization techniques that may be used in Planning Support Systems software.
- Organized and convened a conference, in collaboration with the Rutgers University Department of Urban Planning in November 1999 convening national and international experts to consider and evaluate key indicators representing community quality of life for measuring effectiveness of, and directions for, state and local planning efforts.
- Organized and convened advisory committees to discuss issues regarding State Plan policies affecting infrastructure investments. Primary author of Urban Revitalization and Public Facilities and Services Goals; Statewide Policies for Urban Revitalization, Infrastructure Investments and Transportation; Monitoring and Evaluation and other provisions of the 2001 State Plan and its prior drafts.
- Participated in an expert panel convened by New Jersey Future for the Sustainable State initiative to develop indicators for land use, housing and transportation issues beginning in 1998.
- Assisted the New Jersey Department of Environmental Protection as a lead investigator in applying the OSP Growth Simulation Model to predict potential impacts of CAFRA development regulations under consideration.
- Project manager of an internal report and literature review on urban revitalization issues.
- Co-authored the June 1998 report, “Developing Indicators and Targets during Cross-acceptance,” a 33-page technical report for participants in the cross-acceptance process.
- Advised the State Treasurer in evaluating population and income estimation methods to be used in public school funding programs in Fiscal Year 1999.
- Designee for the State Treasurer to the Capital Budgeting and Planning Commission in 1996 and 1997 for its preparation of recommended capital budgets pursuant to statute. (Role ended with transfer of OSP to Department of Community Affairs in 1998.)
- Advised the New Jersey Department of Environmental Protection in 1997 in adapting the OSP Growth Simulation Model to predict greenhouse gas emissions associated with alternative future land use scenarios.
- Organized, hired staff and served as interim Program Director of the OSP Brownfields Program. Established an interagency Brownfields Team in July 1997 and developed a work plan. On January 6, 1998, Governor Whitman signed into law the Brownfield and Contaminated Site Remediation Act which, among other provisions, established a Brownfields Redevelopment Task Force staffed by OSP. The Task Force and its two committees, the Policy and Legislative Committee and the Marketing and Data Committee, each meet every three months on a rotating schedule. While its committees usually meet in Trenton at the Office of State Planning, the quarterly Task Force meetings are held at a variety of locations around the state to recognize and promote local brownfields redevelopment efforts. An October 2000 National Governors Association report commended New Jersey for integrating its smart growth and brownfields programs through the OSP Brownfields Program.
- Supervised updating of the 1991 and 1993 Municipal Distress Index to 1996 data. The report continued to use a methodology developed in the 1970’s. Participated in research with NJDCA, NJ Treasury/OMB and Rutgers University to develop a new methodology following release of 2000 Census data.
- Programmed and published the “State Planning 1997” CD-ROM, which was extensively (over 5,000 copies) distributed during the comparison and negotiation phases of the second round of State Plan cross-acceptance. The CD contained fully searchable, digital versions of the Reexamination Report and Preliminary State Plan and supplementary data and reports, including extensive use of multimedia (video clips of site visits and interviews) to illustrate portions of the Preliminary State Plan.
- Organized and co-sponsored with Rutgers University the first Statewide Land Use and Transportation Modeling Conference in June 1997.
- Assisted New Jersey Future in its initial design for its web site.

- Principal editor, author and researcher of the June 1997 “Reexamination Report of the State Development and Redevelopment Plan” which provided the foundation for changes in the 1997 Preliminary State Plan, the basis for the second State Plan cross-acceptance process.
- Authored two OSP Planning Memo reports on “Planning Virtual Communities” to guide local planning agencies in establishing and maintaining their own web sites for planning issues. Organized and presented these reports in a panel at the American Planning Association National Conference in 1997.
- Participated as one of two non-academic planning support systems experts in a 12-member conference of leading international experts convened in April 1997 by the president of ESRI, the creator of leading geographic information systems software.
- Managed staff and consultants in preparation of July 1995 report, “Local Planning Techniques that Implement Provisions of the State Development and Redevelopment Plan” and subsequent updates. The report received the 1996 Achievement in Planning Award from the New Jersey Planning Officials and was cited as a basis for the 1996 Public Education Award of the New Jersey Chapter of the American Planning Association.
- Prepared an internal memorandum defining three central principles of the State Plan in December 1995, which became a basis for the “Key Concepts” in the 2001 State Plan.
- Reviewed the January 1995 State Economic Development Master Plan and recommended revisions to the State Plan to ensure policy consistency.
- Supervised research resulting in a December 1994 technical report, “Senior Housing and Services: Economic, Demographic and Policy Issues and their Land Use Impacts.” The report projected that by 2020, the senior population would constitute more than half the increase in the total of the population of the state since 1990, and identified significant implications for how state agencies and local government should work with one another.
- Developed framework for NJ Route 29 Scenic Byway Management Plan for NJDOT. Identified strategies to coordinate and leverage actions of State agencies (NJDOT, NJDEPE, Delaware & Raritan Canal Commission, State Agricultural Development Committee, Economic Development Authority, NJDOC, NJDCA) under existing programs and to encourage complementary voluntary efforts by local agencies and private individuals and organizations in Mercer and Hunterdon Counties to enhance tourism, economic development, urban revitalization, water supply protection, fishery and wildlife management, farmland preservation, alternative travel modes and traffic safety along the highway.
- Designed and authored New Jersey Scenic Byways Program for NJDOT. Represented NJOSP as part of an interdepartmental steering committee which also included NJDEPE and NJ Department of Commerce. Program approved October 1993 by Federal Highway Administration for standing and funding eligibility as part of the national interim scenic byways program established under ISTEA (Intermodal Surface Transportation Efficiency Act).
- Designed and supervised prototype studies performed by Rutgers University to identify potential scenic corridors in Highlands and coastal areas using remote sensing data and geographic information systems.
- Supervised enhancements to NJOSP Population and Employment Distribution Model used to generate long-range municipal-level forecasts of population, jobs, and households by income group for use by NJDOT, NNJTCC and NJTRANSIT in capital improvements planning and in planning to meet Federal Clean Air Act requirements.
- Facilitated CAFRA rule revisions to improve consistency of NJDEPE decision making with the State Development and Redevelopment Plan within the coastal area.
- Designed regional studies of State Development and Redevelopment Plan implementation scenarios based on NJOSP Growth Simulation Models and the SDRP’s monitoring and evaluation program.
- Assisted Office of Management and Budget staff in reviewing State agency capital budget requests for consistency with the State Development and Redevelopment Plan pursuant to statute. Provided specific recommendations for interagency coordination and leveraging of projects that could potentially result in substantial short-term and long-term capital cost savings.
- Initiated arrangements to digitize NJDEPE sewer service area maps for use by NJOSP, NJDEPE and other State agencies.
- Assisted planning professionals from Japan and Spain in the design and use of cross-acceptance, small area forecasting models, impact assessment, and monitoring and evaluation methods in regional planning.

- Facilitated conversion of NJOSP geographic information system to a workstation platform, and prepared a proposal for migrating remaining office automation from the existing minicomputer platform to a shared interagency network with full cost recapture in two years and 90 percent reduction in long-term costs.
- Expedited arrangements to provide cartographic assistance to the Pinelands Commission.
- Designed and scoped research projects for NJOSP planning interns.
- Designed and initiated implementation of SDRP monitoring and evaluation program.
- Represented NJOSP on the NJDEPE Water Supply Master Plan Policy Advisory Committee.
- Represented NJOSP on the NJDCA Coordinating Council on Local Partnerships.
- Initiated project to coordinate database development with the NJ Economic Development Authority.
- Represented NJOSP on NJ Department of Labor advisory committees for the preparation of long-term statewide population and labor force projections.
- Assisted USDA Forest Service in the development of databases and management plans for the Highlands region.
- Represented NJOSP in economic assessment focus groups of the Pinelands Commission.
- Designed and initiated project with NJDOT and Rutgers University to test application of remote sensing and geographic information systems to more accurately and cost-efficiently screen and map potential scenic byways and their viewsheds.
- Authored February 1993 NJOSP report defining the Centers Designation Process for SDRP implementation.
- Participated in interagency task force for the coordination of Council on Affordable Housing regulations with the State Development and Redevelopment Plan.
- Responsible for preparation, production and distribution of official State Development and Redevelopment Plan maps.
- Responsible for organization and maintenance of NJOSP library and reference center.
- Secured and managed consultant services in finalizing Infrastructure Needs Assessment and Monitoring and Evaluation Program reports for inclusion in adopted State Development and Redevelopment Plan.
- Author and editor of portions of the 1992 adopted New Jersey State Development and Redevelopment Plan.
- Contributor, State Planning Commission Report on Implementation Issues.
- Co-author, draft monitoring and evaluation program.
- Principal Technical Contact responsible for design, bidding, administration, and publication of Impact Assessment Study on the Interim State Development and Redevelopment Plan and Supplemental Impact Assessment Study on the Amended State Development and Redevelopment Plan performed by a consortium of consultants led by the Rutgers University Center for Urban Policy Research.
- Author and primary researcher of comprehensive Trend Infrastructure Needs Assessment study.
- Liaison and staff support to State Planning Advisory Committees and Technical Advisory Committees of the Office of State Planning.
- Senior NJOSP representative in State Planning Commission cross-acceptance negotiations with six counties.
- Editor, NJOSP Mapping and Growth Accommodation Guide.
- Editor, NJOSP reports on population and employment projections.
- NJOSP liaison to State Planning Commission Policy and Research Committee.
- Steering Committee member, NJDEP/Monmouth County Scenic Corridor Study.
- Speaker/panelist, New Jersey League of Municipalities Annual Convention, most years since 1989.
- Articulated Interim State Development and Redevelopment Plan concept of “capacity-based planning” involving decisionmaking that optimizes use/conservation of natural resource, infrastructure, fiscal, and social/legal/institutional capacities.
- Participated in coordination of State Plan coastal development policies and mapping with NJDEP Division of Coastal Resources staff.
- NJOSP liaison to NJDEP technical staff review committees on drafts of the State Development and Redevelopment Plan.
- Appointed Assistant Director of NJOSP in 1990, responsible for organizing new Research Unit within NJOSP.

- Northwest Area Planning Manager, responsible for State Plan cross-acceptance comparison and negotiation phases in Sussex, Warren, Hunterdon and Morris Counties.
- NJOSP liaison to Governor's Skylands Greenway's Task Force.
- NJOSP liaison to (national) Conservation Foundation Successful Communities program.
- Speaker, New Jersey Clean Water Council.
- Lecturer, New Jersey tax assessors training.
- Panelist, New Jersey Common Wealth conferences.
- Member, NJDEP Environmental Manual Advisory Committee.
- NJOSP liaison to NJDEP Land Use Advisory Committee.
- Contributor, Preliminary State Development and Redevelopment Plan. Author and editor, Volume III: Planning Standards and Guidelines.
- Project manager, consultant services for Preliminary SDRP environmental policies.
- Participant, Water Resources and Economic Growth Policy Project, Council of Northeastern Governors.
- Author, portions of Draft Preliminary State Development and Redevelopment Plan.
- Contributor, NJ State Planning Commission "Trends and Hard Choices" report.
- Designated professional planner staff support to State Planning Commission by Commission resolution pursuant to State Planning Act.
- Assisted in organization of NJOSP in 1986. Screened and interviewed candidates for Area Planning Associate positions. Member of office computer system selection team.

Rutgers University, Bloustein School of Planning and Public Policy

September 2000 — December 2000

- Part-time lecturer. Responsible for course, 501: Development and Theory of Urban Planning. Covered origins of settlements, history of planning, planning approaches and theories, ethics, and the application of these theories and principles to case studies.

Mercer County Planning Division

November 1978 — November 1986

- Principal staff author of 1985 Mercer County Growth Management Plan.
- Scoped, performed and supervised state-of-the-art technical studies of toxic non-point source pollutants in water supply watersheds and of stream corridor management.
- Drafted and established original procedures for amending the Mercer County Water Quality Management Plan and for review of Wastewater Management Plans subject to approval by County Planning Board, County Executive and NJDEP.
- Developed work programs and interlocal agreements to implement New Jersey County Environmental Health Act in consultation with the Mercer County Health Officers Association.
- Assisted in environmental review of land development projects before the County Planning Board.
- Original staff to USEPA designated areawide water quality planning agency for Mercer County, the first agency in the United States to receive a transfer in designation (from the Delaware Valley Regional Planning Commission). Promoted to Program Manager in 1980.

NJDEP, Office of Areawide Planning

June 1977 — November 1978

- Land use coordinator for Delaware River Basin watersheds. Responsible for demographic analysis, implementation planning and associated public involvement for “208” water quality management plans in four counties.
- Project manager for computerized (early GIS!) land use/non-point source control mapping project.

NJDEP, Office of Coastal Zone Management

June 1976 — June 1977

- Prepared and published staff working papers analyzing the quantity, quality, use and management of surface and coastal waters in the coastal area for New Jersey’s initial coastal planning process.
- Contributing researcher to the Coastal Location and Management (CLAM) system report.

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