IMPACT ASSESSMENT OF
THE NEW JERSEY INTERIM
STATE DEVELOPMENT
AND REDEVELOPMENT
PLAN

REPORT III:
SUPPLEMENTAL AIPLAN
ASSESSMENT

REPORT III: RESEARCH FINDINGS—
THE SUPPLEMENTAL ASSESSMENT OF AIPLAN

Prepared for
New Jersey
Office of State Planning (OSP)

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| Robert W. Burchell          | Overall Research Strategy/Design  
                             TREND/IPLAN Interpretation  
                             Model Integration  
                             Coordination of Research Modeling and Case Studies  
                             Population Projection/Land Capacity Model  
                             Linkage/Feedback/Evaluation Model |
| David Listokin              | Fiscal Impact Model  
                             Fiscal Impact Case Study  
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                             School Capital Facilities Model  
                             Intergovernmental Coordination Model  
                             Water Quality Case Study |
| Adesoji O. Adelaja, Olugbenga A. Onafowora | Agricultural Lands Model  
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                             Agricultural Equity Analysis |
| Roland Anglin               | Intergovernmental Coordination Model  
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| Richard K. Brail, R. E. Sieber | Transportation Infrastructure Model  
                             CUPR Road  
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                             Water and Sewer Demand Model |
| Michael N. Danielson, Julian Wolpert | Quality of Life Model  
                             Quality of Life Case Study |
| Carole C. Walker            | Water and Sewer Demand Model  
                             Water Cost Model  
                             OSP Wastewater Cost Model |
Jong Keun You, Econometric Model
Norman J. Glickman, Economic Case Study
Nancy Mantell

Alex Schwartz, Housing Demand/Supply Model
Housing and Property Development Cost Model
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Henry O. Pollakowski, Housing and Property Development Cost Model

Lawrence Q. Newton, Economic Impact Model
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Antoinette F. Seymour, Frail Environmental Lands Model
David Hamme

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Eugene D. Driscoll

Karen Danielsen-Lang, Study Integration and Synthesis
Arlene Pashman

Susan J. Foxley, Intergovernmental Coordination Model
Quality of Life Model

William R. Dolphin, Overall Model Building and Projection
Programming of Models
Data Acquisition and Input

W. Patrick Beaton, Property Cost Case Study

Susan M. Wachter, Advisory Committee Input
INTRODUCTION TO THE SUPPLEMENTAL AIPLAN ASSESSMENT
INTRODUCTION

The purpose of the Supplemental Impact Assessment is to gauge differences in impact on the State of New Jersey of the Amended Interim Plan (AIPLAN). This is to be contrasted with the impact on the State of historical or TREND conditions. The supplemental assessment differs from the assessment of the Interim Plan (IPLAN) in that this analysis contains mapping changes that have occurred over the sixty days between the two analyses (February 28 to April 30, 1992), as well as resolution of deferred issues during that period.

The primary effects on the differences observed in the IPLAN versus AIPLAN analyses reflect the mapping differences including both Planning Area designations and the number of Centers. In the first case, the most critical variable is the amount of vacant land in each of the Planning Area categories. These data were originally available using vacant land estimates from the New Jersey Department of the Treasury files, attempting to physically locate these lands in a municipality, and then applying Planning Area designations to the targeted vacant lands.

When the Resource Planning Management Map (RPMM) became available in early April 1992 and information on vacant land from LANDSAT and Planning Area designations could be simultaneously digitized, a much more accurate means of determining both the amount of vacant land and its location was at hand. Simultaneously affecting the mapped lands in Planning Area categories was a general change in land designations as a result of ongoing Cross-acceptance negotiations.

Other factors affecting differences between the IPLAN and AIPLAN analyses are the additional designation of Centers (approximately 10 percent more non-Hamlet Centers) as well as changes in the locations of Centers. There are now more Regional Centers and more Centers designated in the central and southern parts of the State than was the case in the analysis of the Interim Plan.
Two other minor non-mapping changes also are in evidence in the AIPLAN analysis that were not present earlier. The holding capacity of Villages was doubled and the physical size of Hamlets was lessened even though the latter has no effect on holding capacity. These are the main factors affecting changes in the two analyses. As will be shown in the report that follows, the differences in impact on the State of New Jersey of the Interim Plan (IPLAN) versus the Amended Interim Plan (AIPLAN) are for the most part almost nondiscernible.

The analysis that follows is a complete rerun of all Impact Assessment models using the new mapping information. Each section dealing with impacts is arranged in the following order:

- Original Assessment Findings
- Supplemental Assessment Findings
- Comparative Impact Assessment Differences
- General Questions Asked/Answers Provided
- Monitoring/Evaluation Recommendations
- Desirable Changes to be Incorporated into the State Plan

The first of the latter three sections summarizes both questions and answers arising at Advisory Committee meetings and/or public presentations. The second and third of the latter three sections represent the study team's opinions with regard to necessary requirements for ongoing assessment of the State Plan as well as suggested changes to allow the Plan to perform better.

The study team has undergone a considerable effort to carefully evaluate and reevaluate the State Plan and communicate this knowledge to peer groups and the general public. It has truly been a fruitful and worthwhile effort.
SUMMARY OF THE SUPPLEMENTAL AIPLAN ASSESSMENT
SUMMARY OF FINDINGS

The Supplemental Impact Assessment of the Amended Interim State Development and Redevelopment Plan (AIPLAN) finds similar impacts and relationships with traditional development (TREND) that were found for the Interim Plan (IPLAN). Overall, the same general conclusion and specific findings pertain.

OVERALL ASSESSMENT

Implementation of the State Development and Redevelopment Plan will be beneficial to the State of New Jersey. It will bring benefits to the State and its citizens that traditional development will not. Although the increases are relatively slight, the Amended Interim Plan (AIPLAN) is even more beneficial to the State than was the Interim Plan (IPLAN).

ECONOMIC ASSESSMENT

The State Development and Redevelopment Plan will not drive people or businesses from the State of New Jersey. To the contrary, it will cause jobs and housing to be located where they are most needed in the State and where they can develop and be publicly serviced with more efficiency. As a result, it will provide an average annual operational cost savings of $380 million to municipalities and school districts by the year 2010. Over the 1990–2010 twenty-year projection period this saving, which increases over time, amounts to $3.8 billion cumulatively. It is of the same magnitude as was observed for the Interim Plan.

ENVIRONMENTAL ASSESSMENT

The State Plan will save 175,000 acres of land while accommodating the same level of development as would be the case for traditional development. It will further save 42,000 acres of agricultural lands and 30,000 acres of frail environmental lands.

The State Plan will have significant effects on the improvement of water quality and minor but positive effects on air quality. The Amended Interim Plan is slightly more advantageous in these areas than was the case for the Interim Plan.
INFRASTRUCTURE ASSESSMENT

The State Development and Redevelopment Plan, by encouraging more compact and more efficient development patterns, will save citizens of the State of New Jersey $1.44 billion in infrastructure costs. This is composed of $700 million in road costs, $562 million in water and sewer costs, and $178 million in school capital facilities costs. These results are almost identical to those found for the Interim Plan (IPLAN).

COMMUNITY LIFE ASSESSMENT

Housing costs (in constant dollars) in New Jersey will remain level or decrease slightly from 1990 to 2010. Housing affordability, taking into account incomes, housing prices, and mortgage interest rates, will increase. The State Plan will lower overall housing costs as the density increases in Centers more than compensate for increased development costs in the environs. AIPLAN produces somewhat lower housing costs than was evidenced for IPLAN.

Quality of life as measured by multiple indices will generally increase in the State under both the State Plan and TREND conditions. The small portion of households seeking urban residence in the future may have lower short-term qualities of life than if more suburban or rural areas are chosen as residence locations.

INTERGOVERNMENTAL COORDINATION ASSESSMENT

Municipalities, counties, and State agencies dealing in land-use matters witness improvements in intergovernmental coordination as a result of the State Plan process. This result did not change from IPLAN to AIPLAN.

CONCLUSION

After two assessments of the State Plan, the latter with even more complete and representative data than was used in the initial assessment, the results are similar: The State Development and Redevelopment Plan is good for New Jersey.