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MIDDLE ATLANTIC REGION  
INDUSTRIAL DEVELOPMENT

1942

NATIONAL RESOURCES PLANNING BOARD

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# MIDDLE ATLANTIC REGION

## INDUSTRIAL DEVELOPMENT

JULY 1942

NATIONAL RESOURCES PLANNING BOARD

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BALTIMORE, MARYLAND

Mr. Charles W. Eliot, *Director*  
National Resources Planning Board  
North Interior Building  
Washington, D. C.

July 15, 1942.

Dear Mr. Eliot:

Herewith is the report of industrial studies in Region 2, the Middle Atlantic Region, as requested in your memorandum of April 9, 1941. It represents in large measure the work of Mr. Alexander Fleisher, Mr. William H. Ludlow, and Miss Mary S. Strow of this office, and Miss Leila Small of the Washington office.

This report gives the general picture of the important industries of the Region and the forces which are making for shifts in the pattern of their location and for changes in employment opportunities. Although the report was written for the most part before the entrance of the United States into the war, it also attempts to indicate the effects of the war program on certain industries and, in consequence, on the communities affected by these activities. Some of the resistances to change, both industrial and human, are also discussed. In addition, the point of view of this Regional Office in regard to industrial studies as part of the national and state planning function is presented, and the need of determining standards for the measurement of "successful" areas is pointed out. If such criteria are developed—and we believe that they should and can be—effective planning toward definite goals should be possible.

If an understanding of the future of industries is a necessary basis for planning in general, it is equally essential if we are to lay a foundation at this time for sound post-war thinking and planning. Many communities in this Region are being affected markedly by the war expenditures. New industries are being developed; industries long thought dead are being revived; peace-time needs are being subordinated to those of war. The post-war period holds promise for some of these communities. For others it holds grave threats. The results in any one will depend, in large measure, on the programs, procedures, and plans that are developed now.

War needs and post-war problems present the immediate challenge. The long-time trends of various industries and the changes within the major ones must be understood and appreciated, if there is to be adequate planning for the communities of this Region. It is our hope that the facts presented in this report, pointing as they do to long-time trends that will carry into the post-war period, will be of assistance in crystallizing thought and action for the period when the nightmare of war will be a thing of the past.

Sincerely yours,

Morton L. Wallerstein  
*Chairman, Region No. 2*

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## APPENDICES

### APPENDIX A

#### Migrations into New York, Philadelphia, and Pittsburgh Metropolitan Areas

	1910-20	1920-30		1910-20	1920-30
New York Area	828,257	1,574,927	Philadelphia Area	348,281	244,626
New York City	288,974	746,612	Delaware County	49,185	92,628
Queens County	148,163	571,659	Montgomery County	24,070	51,050
Bronx County	230,697	453,378	Camden County (N.J.)	53,610	42,734
Kings County	175,468	284,122	Atlantic County (N.J.)	37,926	37,102
Richmond County	23,908	36,029	Gloucester County (N.J.)	20,457	17,320
New York County	- 309,262	- 579,576	Bucks County	3,471	7,522
Westchester County	31,041	172,418	Burlington County (N.J.)	9,276	5,973
Nassau County	32,724	159,754	Chester County	1,602	3,293
Bergen County (N.J.)	136,975	129,744	Philadelphia County	148,684	- 12,996
Essex County (N.J.)	114,403	115,485			
Union County (N.J.)	88,411	77,980	Pittsburgh Area	128,803	36,031
Suffolk County	15,635	50,304	Allegheny County	60,374	56,596
Monmouth County (N.J.)	39,821	37,861	Beaver County	26,590	20,193
Middlesex County (N.J.)	30,812	26,433	Washington County	30,978	- 12,635
Morris County (N.J.)	25,541	24,355	Westmoreland County	10,861	- 25,923
Somerset County (N.J.)	14,678	14,007			
Passaic County (N.J.)	17,607	12,414			
Rockland County	- 3,179	12,038			
Hudson County (N.J.)	14,814	- 3,578			

Source: C. Warren Thornthwaite, *Internal Migration in the United States, 1924*, p. 29.

### APPENDIX B

#### Industrial Areas in the Middle Atlantic Region and the Counties Comprising Them\*

New York Industrial Area		Pittsburgh Industrial Area	
(New York City)	(In New Jersey)	Allegheny	Washington
New York	Bergen	Beaver	Westmoreland
Kings	Essex	Allentown-Bethlehem Industrial Area	
Queens	Hudson	Lehigh	Northampton
Bronx	Middlesex	Reading Industrial Area	
Richmond	Passaic	Berks	
Westchester	Union		
Buffalo Industrial Area		Scranton-Wilkes-Barre Industrial Area	
Erie	Niagara	Lackawanna	Luzerne
Rochester Industrial Area		Baltimore Industrial Area	
Monroe		Baltimore City	Baltimore County
Albany-Schenectady-Troy Industrial Area		Youngstown Industrial Area	
Albany	Schenectady	Lawrence, Pa.	Mahoning, Ohio
Rensselaer		Mercer, Pa.	Trumbull, Ohio
Philadelphia Industrial Area			
Philadelphia	Montgomery		
Bucks	Burlington (N.J.)		
Chester	Camden (N.J.)		
Delaware	Gloucester (N.J.)		

\*As defined by the Census of Manufactures, 1929. See footnote 8, Part II, of this report.

APPENDIX C

Other Important Industrial Counties in the Middle Atlantic Region\*

New York State

Broome  
Chautauqua  
Fulton  
Herkimer  
Montgomery  
Onandaga  
Oneida  
Orange

New Jersey

Mercer

Pennsylvania

Blair  
Cambria  
Dauphin  
Erie  
Lancaster  
Lebanon  
Lycoming  
Northumberland  
Schuylkill  
York

Delaware

New Castle

Maryland

Allegany

Virginia

Henrico, and Richmond  
City Norfolk, and Nor-  
folk, Portsmouth and  
South Norfolk Cities  
Roanoke, and Roanoke  
City

North Carolina

Cabarras  
Forsyth  
Gaston  
Guilford  
Mecklenburg

\*As defined by the Census of Manufactures, 1929.  
See footnote<sup>9</sup>, p. 15 of this report.

APPENDIX D

Location of Manufacturing Wage Earners by States, Industrial Areas and Important Industrial Counties, in the Middle Atlantic Region, 1937

	Mfg. Wage Earners 1937	Percent of Region	Percent of State		Mfg. Wage Earners 1937	Percent of Region	Percent of State
NEW YORK Total	995,658	33.7	100.0	DELAWARE Total	21,092	0.7	100.0
New York Industrial Area <sup>1</sup>	528,848		53.1	New Castle County	17,292		82.0
Buffalo Industrial Area	105,722		10.6	Rest of State	3,800		18.0
Rochester Industrial Area	57,890		5.8	MARYLAND Total	145,932	4.9	100.0
Albany-Schen.-Troy Ind. Area	44,084		4.4	Baltimore Industrial Area	105,615		72.4
8 Important Indus. Cos.	139,373		14.0	Allegany County	15,208		10.4
Rest of State	119,941		12.1	Rest of State	25,109		17.2
NEW JERSEY Total	436,745	14.8	100.0	DISTRICT OF COLUMBIA	7,879	0.3	100.0
New York Industrial Area <sup>2</sup>	319,497		73.1	VIRGINIA Total	132,643	4.5	100.0
Philadelphia Indus. Area <sup>2</sup>	43,425		10.0	3 Important Indus. Cos.	38,181		28.8
Mercer County	23,368		5.4	Rest of State	94,462		71.2
Rest of State	50,455		11.5	NORTH CAROLINA Total	258,771	8.8	100.0
PENNSYLVANIA Total	954,340	32.3	100.0	5 Important Indus. Cos.	92,298		35.6
Philadelphia Indus. Area <sup>3</sup>	302,128		31.7	Rest of State	166,473		64.4
Pittsburgh Industrial Area	227,675		23.8	Source: Census of Manufactures, 1937.			
Allentown-Bethlehem Area	56,850		5.9	<sup>1</sup> Portion of Industrial Area in New York State.			
Reading Area	45,429		4.8	<sup>2</sup> Portion of Industrial Area in New Jersey.			
Scranton-Wilkes-Barre Area	33,363		3.5	<sup>3</sup> Portion of Industrial Area in Pennsylvania.			
Youngstown Industrial Area <sup>3</sup>	25,789		2.7				
10 Important Indus. Cos.	158,398		16.6				
Rest of State	104,708		11.0				

## APPENDIX E

## Manufacturing Industries and Industry Groups with 25,000 or more Wage Earners in the Middle Atlantic Region, 1939

	Number of Wage Earners in thousands		Percent in Region		Number of Wage Earners in thousands		Percent in Region	Percent in Region
	U. S.	Region			U. S.	Region		
Clothing, women's, etc., n.e.c.	269.7	188.0	69.8	Printing & Publishing, book, music & job	125.1	45.4	36.2	8.8
Steel works & rolling mills	399.0	184.6	46.3	Shirts, except work, etc.	70.5	44.1	62.6	8.2
Cotton manufactures	396.0	132.4	33.4	Motor vehicles, etc.	387.5	40.8	10.3	8.0
Hosiery	159.1	101.6	63.8	Ship and boat building, etc.	66.2	40.7	61.3	8.8
Clothing, men's, etc., n.e.c.	161.7	96.6	59.8	Newspapers & periodicals	118.7	38.3	32.3	8.2
Foundry & machine shop prod., n.e.c.	320.6	83.7	26.1	Woolen & worsted goods	146.1	36.4	24.9	8.2
Bread & other bakery prod.	230.7	83.1	36.0	Chemicals, n.e.c., etc.	73.5	35.8	48.8	8.8
Elec. machinery, etc.	213.0	76.4	35.9	Canned & preserved fruits, etc.	116.8	32.1	27.5	8.2
Rayon and silk goods	119.8	73.0	61.0	Paper	110.6	31.5	28.5	8.8
Furniture, etc.	159.4	57.3	36.0	Boxes, paper, n.e.c.	69.2	29.2	42.2	8.2
Footwear except rubber	218.0	54.3	24.9	Rayon & allied products	48.3	28.3	58.6	8.8
				Dyeing & finishing, etc.	64.1	27.8	43.2	8.2
				Lumber & timber products	288.0	27.2	9.5	8.2
				Glass	69.8	27.2	39.0	8.2
				Cigars	50.9	26.8	52.6	8.2

Source: Table 23. See note to Table 23 for estimates and basis of estimates.

## APPENDIX F

## Manufacturing Industries and Industry Groups with 100,000 or more Wage Earners in the United States, and Number and Percentage of Wage Earners in the Middle Atlantic Region, 1939

	Number of Wage Earners in thousands		Percent in Region		Number of Wage Earners in thousands		Percent in Region	Percent in Region
	U. S.	Region			U. S.	Region		
Steel works & rolling mills	399.0	185.7	46.4	Hosiery	159.1	101.6	63.8	8.8
Motor vehicles, etc.	387.5	40.5	10.2	Woolen & worsted goods	146.1	35.9	24.6	8.2
Cotton manufactures	396.0	132.3	33.4	Slaughtering & meat packing	132.9	20.8	15.1	8.2
Foundry & machine shop prod.	320.6	80.2	25.0	Printing & publishing, book, music & job	125.1	45.4	36.2	8.8
Lumber & timber prod.	288.0	27.2	9.5	Rayon & silk goods	119.8	68.8	57.4	8.2
Clothing, women's, etc., n.e.c.	269.7	187.1	69.4	Newspapers & periodicals	118.7	38.3	32.3	8.2
Bread & other bakery prod.	230.7	83.1	36.0	Canned & preserved fruits, etc.	116.8	31.1	26.6	8.2
Footwear except rubber	218.0	54.4	24.9	Paper	110.6	31.5	28.5	8.2
Elec. machinery	213.0	92.1	43.2					
Clothing, men's etc., n.e.c.	161.7	96.3	59.6					
Furniture, etc.	159.4	57.1	35.8					

Source: Table 23. See note to Table 23 for estimates and basis of estimates.

## APPENDIX G

## Percentage Distribution of Wage Jobs in the Middle Atlantic States by Geographic Areas of Concentration 1899-1939

	9 Industrial Areas				19 Important Industrial Counties	All the Rest	Total for Middle Atlantic States
	Principal Cities	Satellite Cities	Peripheries	Sub-Total			
1899	52.0	7.0	16.2	75.2	11.9	12.9	100.000
1919	44.9	8.2	22.3	75.4	12.9	11.7	100.000
1929	44.2	7.2	23.9	75.3	13.5	11.2	100.000
1938	43.4	6.8	24.2	74.2	14.4	11.4	100.000
1937	41.1	6.8	27.2	74.9	13.6	11.5	100.000

Source: 1899-1938 data from Goodrich et al. op. cit. p. 322. 1937 date computed from Census of Manufactures, 1937. Not strictly comparable since Railroad Repair shops and manufactured gas have been dropped by the Census after 1935.