

of Reclamation to be about \$16.3 billion at 1959 prices, of which about \$12.7 billion would be allocated to irrigation under present procedures.

Federal irrigation development in the East is expected to be limited to federally assisted small watershed projects (Public Law 566), mainly in the Southeastern and South Central States.

Projections of irrigated acreages for 1964 and 1975, and the net increase for 1964-75, broken into West and East sectors of the United States are as follows:¹⁴

[In millions of acres]

	West	East	United States
Projected irrigated acreage, 1975.....	38.0	3.9	41.9
Estimated irrigated acreage, 1964.....	34.2	2.8	37.0
Increase in acreage, 1964-75.....	3.8	1.1	4.9

The increase in irrigated acreage is allocated according to the estimated distribution of total remaining irrigation potentials in each region, as follows:

[In millions of acres]

	West	East	United States
Federal development.....	2.5	0.3	2.8
Non-Federal development.....	1.3	.8	2.1
Total additions, 1964-75.....	3.8	1.1	4.9

Bureau of Reclamation estimates of unit investment costs of western irrigation facilities range from \$2,780 per equivalent acre in the South Pacific region to \$566 in the lower Arkansas-White-Red region. The average is \$920 per equivalent acre. These unit investment costs are for the irrigation water supply portion of projects and do not include farm development costs.

For western projects identified as non-Federal, the investment cost estimates ranged from \$140 per equivalent acre in the Colorado region to \$659 in the western gulf region. The average was \$310 per equivalent acre of irrigated land.

Given existing legislation, Federal irrigation potentials in the East are assumed here to be limited to the acreages that could be irrigated by federally assisted small watershed projects (Public Law 566). At present, there are 15 such projects in the East; costs allocated to irrigation on a per-acre basis are available for 11 of the projects. These costs average \$150 per irrigated acre, of which a maximum of half may be borne by the Federal Government. (In practice, approximately half of such costs have been borne by the Federal Government.)

¹⁴ Irrigated acreages for 1964 were not available at the time the chapter was prepared. Projections for 1964 and 1975 were obtained from Pavels, cited previously. The projection reported here assumes modest development of Federal and non-Federal potentials, resulting ultimately in development of half of the remaining potential of each.