

customers in more than 500 cities, rural communities and adjacent areas. As of December 1964,² it operated ten steam-electric generating plants interconnected by a transmission grid of 2,500 miles, of which 1,400 miles operate at high voltage, 115 kv or above. On the basis of national standing, FPL is one of the most important electric utilities in the United States. In 1965 its rank was ninth nationally in revenues, fourteenth in investment in gross electric utility plant, and sixteenth in kilowatt hour sales.

FPL is directly interconnected with four other Florida electric systems, as follows: Florida Power Corporation (Corp), Tampa Electric Company (Tampa), Orlando Utilities Commission (Orlando), and the City of Jacksonville (Jacksonville). FPL, Corp, and Tampa form the Florida Operating Committee (Florida Pool) with Jacksonville and Orlando as associate members. The Florida Pool meet several times a year to consider mutual problems relating to the interconnected operation of the systems, including the coordination of spinning reserves, the arrangement of compatible plant maintenance schedules, and the coordination of plans for the construction of transmission lines and the staggered construction of generating units. The spinning reserves of the Florida Pool equal the generating capacity of the largest single unit of the five-member systems, and by voluntary agreement of the members, are shared proportionally. According to FPL's reports in its FPC Form No. 12 for 1964, its required reserve capacity for that year was 404,000 kw, of which amount it supplied 172,000 kw. The balance of 232,000 kw was reported as being available from the other members of the Florida Pool.

FPL exchanges a substantial amount of electric energy with the other members of the Florida Pool. During 1964 FPL transferred a total of 189,422,000 kwh to the four other Pool members, and received in return a total of 199,059,000 kwh, itemized as follows:

Kwh transferred from FPL to—

Corp	-----	
Tampa	-----	107, 642, 000
Jacksonville	-----	43, 081, 000
Orlando	-----	17, 268, 000
	-----	21, 431, 000

Kwh transferred to FPL from—

Corp	-----	
Tampa	-----	61, 598, 000
Jacksonville	-----	59, 404, 000
Orlando	-----	18, 181, 000
	-----	59, 876, 000

The electric energy interchanged by FPL in 1964 totaled three percent of its net generation of 12 billion kwh.

Corp, which is interconnected with Tampa and Orlando as well as with FPL, is also interconnected with power companies outside of the State of Florida. Thus, it is directly interconnected with Georgia Power Company (Georgia), a subsidiary of The Southern Company (Southern). Southern is a holding company whose other subsidiaries are Gulf Power Company (Gulf) which operates in northwestern Florida, Alabama Power Company (Alabama), and Mississippi Power Company (Mississippi). Corp is also directly interconnected with Gulf, and Gulf is interconnected with Georgia and Alabama. Corp has an agreement with the subsidiaries of Southern whereby Corp makes 100,000 kw available to these subsidiaries during the summer, and in return, the subsidiaries make 100,000 kw available to Corp during the winter. During 1964 Southern delivered 167,476,000 kwh to Corp, and Corp delivered 157,324,000 kwh to Southern. Of these totals, approximately 97,000,000 kwh represented deliveries from Georgia to Corp, and 82,000,000 kwh represented deliveries from Corp to Georgia. In addition, 3.9 million kwh were wheeled for the Southwestern Power Administration over Southern's lines across the Georgia-Florida state line to Corp. Georgia is also interconnected with Duke Power Company, Tennessee Valley Authority, and Southeastern Power Administration. These systems operate in states beyond Georgia.

FPL and the other members of the Florida Pool are also members of a multi-state electric network, the Southeast Region of the Interconnected Systems Group (ISG) which covers the southeastern and central portions of the United States. FPL's membership in the ISG provides acceptable frequency control and also automatic assistance during emergencies in the event of any generation

² Unless otherwise noted, the figures stated are approximate and are for the calendar year 1964.