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lighting load, generally to be found in meagre quantities, even ten or fifteen years ago, has been greatly amplified, so that the unequipped and unlighted residence, anywhere throughout the Dominion within reach of electrical sources, has become the exception; the day load of the many household electrical accessories and conveniences has appreciably added to the consumed power, tending to flatten out the peaked curve of this load and extend the service hours of the distribution system and transformers over a longer remunerative period and, further, get fuller advantage of power purchased on a peak load basis. The non-load night hours, are now engaging the attention of the central station, with the hope of commercially establishing electric heating accumulators for charging during such hours. As yet, it is the experience that lighting and domestic loads create a peak in early evening, unapproached by any other loads on domestic service transformers.

While the domestic service loads cannot be termed industrial loads, the subject this paper is more properly confined to, examples of loads to be quoted herein are appreciably composed of domestic loads, and, in most cases, the present power service originated many years ago from the immediate prospect of this market alone. Today, it is usually the personal aspect and home convenience of electrical power that carries the great weight in the establishment of a publicly-owned system or in the granting of service franchises. Directly and indirectly, domestic electrical-power service bears a most important relationship to electricity in industry.

For municipal uses such as pumping and street lighting electricity is universal. Off-peak-hour pumping into water reservoirs has proven an economical system when operated as a component of a mixed power load. The enormous strides in application and design of street-lighting units and the great efficiency to be obtained has placed electrical street lighting far beyond the reach of any other illuminating source.

Electric power in industry has a wide and practically limitless field. As a motive power available in any capacity, conveniently and economically applicable in every class of service, it out-ranks all its competitors, from the rolling-mill steam engine, reversing its ponderous thousands of horsepower, to the