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The loads are as follows: Load 1: A 15 HP motor operating at full-load, 93.25 percent efficiency, and 0.6 lagging power factor. Load 2: A

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Dr. Hadi Saadat Professor Emeritus Milwaukee School of Engineering
Electrical Engineering & Computer Science Department Email: Hadi Saadat
Hadi Saadat is a Professor Emeritus of Electrical Engineering at the Milwaukee school of Engineering. Before retirement in 2004 he was a fulltime professor at MSOE University since 1988, active in teaching and research in the area of power system analysis, electrical machines, network theory, control systems simulations and computer methods in power systems.

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Power Systems Analysis, Second Edition, describes the operation of the interconnected power system under steady state conditions and under dynamic operating conditions during disturbances. Written at a foundational level, including numerous worked examples of concepts discussed in the text, it provides an understanding of how to keep power flowing through an interconnected grid. The second edition adds more information on power system stability, excitation system,

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and small disturbance analysis, as well as discussions related to grid integration of renewable power sources. The book is designed to be used as reference, review, or self-study for practitioners and consultants, or for students from related engineering disciplines that need to learn more about power systems. Includes comprehensive coverage of the analysis of power systems, useful as a one-stop resource Features a large number of worked examples and objective questions (with answers) to help apply the material discussed in the book Offers foundational content that provides background and review for the understanding and analysis of more specialized areas of electric power engineering

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