

1. Record Nr.	UNINA9910811660003321
Autore	Cootner Paul H.
Titolo	Water demand for steam electric generation // Paul H. Cootner and George O.G. Lof
Pubbl/distr/stampa	Oxon [England] ; ; New York : , : Routledge : , : RFF Press, , 2015
ISBN	1-315-71873-1 1-317-51387-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (159 p.)
Collana	Routledge Revivals
Altri autori (Persone)	LofGeorge O. G
Disciplina	621.312132
Soggetti	Electric power-plants Steam power plants Industrial water supply
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	First published in 1965 by Resources for the Future.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	<p>""Cover""; ""Title""; ""Copyright""; ""Original Title""; ""Original Copyright""; ""Preface""; ""Acknowledgments""; ""Contents""; ""I. INTRODUCTION""; ""Cooling Demand""; ""Withdrawal Demand""; ""Evaporation Demand, or Disappearance""; ""Technological Advances that Could Influence Future Water Requirements""; ""II. THE NATURE OF WATER USE BY STEAM ELECTRIC UTILITIES""; ""III. THE SUPPLY CURVE FOR THERMAL EFFICIENCY""; ""The Shape of the Supply Curve""; ""The Effects of Technological Change""; ""A comment on the likelihood of technological change""; ""The gas turbine and atomic power""</p> <p>""IV. THE DEMAND CURVE FOR THERMAL EFFICIENCY""""Water and Fuel Cost per Kilowatt-hour""; ""Water and Fuel Cost per Kilowatt""; ""The Demand for Thermal Efficiency""; ""Glossary of Symbols""; ""V. AVERAGE THERMAL EFFICIENCY""; ""Computing Average Efficiency in 1980""; ""Appendix to Chapter V: Derivation of Equation V-1""; ""VI. THE ECONOMICS OF WATER USE""; ""The Principles of Cooling""; ""Varying Condenser Size""; ""The Economics of Cooling Towers""; ""Cooling tower capital costs""; ""Cooling tower operating costs""; ""Steam cycle correction""</p> <p>""Cooling Water Evaporative Losses and Minimum Requirements"""" Allowance for Pollution""; ""Comparison of Cooling Systems""; ""VII. A REGIONAL MODEL FOR PROJECTIONS""; ""The Demand Curve for</p>

Thermal Efficiency in the West South Central Region"; ""Appendix A. The Physics of Thermal Efficiency"; ""Appendix B. The Supply Curve of Thermal Efficiency"; ""Appendix C. References and Literature Citations""

---