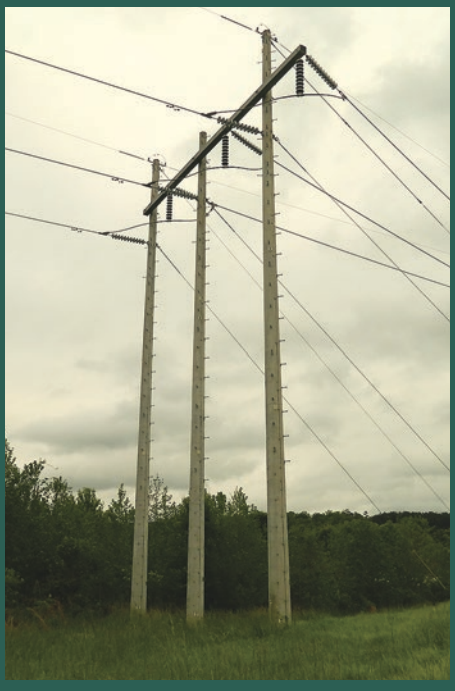
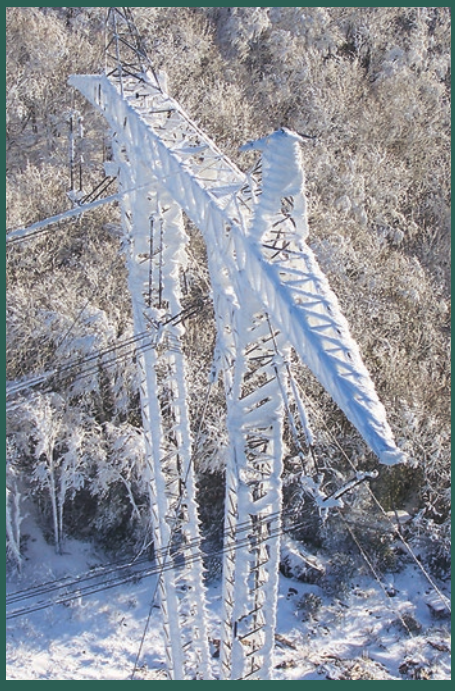
ASCE MANUALS AND REPORTS ON ENGINEERING PRACTICE NO. 74

Guidelines for Electrical Transmission Line Structural Loading

Fourth Edition





Task Committee on Electrical Transmission Line Structural Loading

Edited by
Frank Agnew, P.E.

ASCE

SEI STRUCTURAL ENGINEERING INSTITUTE

This is a preview. Click here to purchase the full publication.

This is a preview. Click here to purchase the full publication.

ASCE Manuals and Reports on Engineering Practice No. 74

Guidelines for Electrical Transmission Line Structural Loading

Fourth Edition

Edited by Frank Agnew, P.E.

Task Committee on
Electrical Transmission Line Structural Loading

ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS

SEI ASCE STRUCTURAL ENGINEERING INSTITUTE

Published by the American Society of Civil Engineers

This is a preview. Click here to purchase the full publication.

Library of Congress Cataloging-in-Publication Data

Names: Agnew, Frank, editor. | American Society of Civil Engineers. Task Committee on Structural Loadings, author.
Title: Guidelines for electrical transmission line structural loading / Task Committee on Electrical Transmission Line Structural Loading, edited by Frank Agnew, P.E.
Description: Fourth edition. | Reston, Virginia : American Society of Civil Engineers, [2020] | Includes bibliographical references and index. | Summary: "MOP 74, Fourth Edition, provides up-to-date design and loading concepts, and applications specific to transmission line design"-- Provided by publisher.
Identifiers: LCCN 2020018035 | ISBN 9780784415566 (hardcover) | ISBN 9780784483084 (adobe pdf)
Subjects: LCSH: Electric lines--Poles and towers--Design and construction.Load factor design.
Classification: LCC TK3242 .G77 2020 | DDC 621.319/22--dc23
LC record available at https://lccn.loc.gov/2020018035

Published by American Society of Civil Engineers
1801 Alexander Bell Drive
Reston, Virginia 20191-4382
www.asce.org/bookstore | ascelibrary.org

Any statements expressed in these materials are those of the individual authors and do not necessarily represent the views of ASCE, which takes no responsibility for any statement made herein. No reference made in this publication to any specific method, product, process, or service constitutes or implies an endorsement, recommendation, or warranty thereof by ASCE. The materials are for general information only and do not represent a standard of ASCE, nor are they intended as a reference in purchase specifications, contracts, regulations, statutes, or any other legal document. ASCE makes no representation or warranty of any kind, whether express or implied, concerning the accuracy, completeness, suitability, or utility of any information, apparatus, product, or process discussed in this publication, and assumes no liability therefor. The information contained in these materials should not be used without first securing competent advice with respect to its suitability for any general or specific application. Anyone utilizing such information assumes all liability arising from such use, including but not limited to infringement of any patent or patents.

ASCE and American Society of Civil Engineers—Registered in US Patent and Trademark Office.

Photocopies and permissions. Permission to photocopy or reproduce material from ASCE publications can be requested by sending an email to permissions@asce.org or by locating a title in the ASCE Library (https://ascelibrary.org) and using the "Permissions" link.

Errata: Errata, if any, can be found at https://doi.org/10.1061/9780784415566.

Copyright © 2020 by the American Society of Civil Engineers. All Rights Reserved.

ISBN 978-0-7844-1556-6 (print)
ISBN 978-0-7844-8308-4 (PDF)

Manufactured in the United States of America.

26 25 24 23 22 21 20 1 2 3 4 5

Photo credit: Ice photo on cover courtesy of AEP Transmission.

This is a preview. Click here to purchase the full publication.

MANUALS AND REPORTS ON ENGINEERING PRACTICE

(As developed by the ASCE Technical Procedures Committee, July 1930, and revised March 1935, February 1962, and April 1982)

A manual or report in this series consists of an orderly presentation of facts on a particular subject, supplemented by an analysis of limitations and applications of these facts. It contains information useful to the average engineer in his or her everyday work, rather than findings that may be useful only occasionally or rarely. It is not in any sense a "standard," however, nor is it so elementary or so conclusive as to provide a "rule of thumb" for nonengineers.

Furthermore, material in this series, in distinction from a paper (which expresses only one person's observations or opinions), is the work of a committee or group selected to assemble and express information on a specific topic. As often as practicable the committee is under the direction of one or more of the Technical Divisions and Councils, and the product evolved has been subjected to review by the Executive Committee of the Division or Council. As a step in the process of this review, proposed manuscripts are often brought before the members of the Technical Divisions and Councils for comment, which may serve as the basis for improvement. When published, each manual shows the names of the committees by which it was compiled and indicates clearly the several processes through which it has passed in review, so that its merit may be definitely understood.

In February 1962 (and revised in April 1982), the Board of Direction voted to establish a series titled "Manuals and Reports on Engineering Practice" to include the manuals published and authorized to date, future Manuals of Professional Practice, and Reports on Engineering Practice. All such manual or report material of the Society would have been refereed in a manner approved by the Board Committee on Publications and would be bound, with applicable discussion, in books similar to past manuals. Numbering would be consecutive and would be a continuation of present manual numbers. In some cases of joint committee reports, bypassing of journal publications may be authorized.

A list of available Manuals of Practice can be found at http://www.asce.org/bookstore.

This is a preview. Click here to purchase the full publication.

This is a preview. Click here to purchase the full publication.

CONTENTS

This is a preview. Click here to purchase the full publication.

This is a preview. Click here to purchase the full publication.

This is a preview. Click here to purchase the full publication.

This is a preview. Click here to purchase the full publication.