

# The Pennsy's P5 Electrics

by Frederick Westing, Mike Bezilla and Roger L. Keyser  
Pennsylvania Railroad Technical & Historical Society

# The Pennsys P5 Electrics

**Fred Westing, Mike Bezilla, Roger L.  
Keyser**



## **The Pennsys P5 Electrics:**

Pennsy Power; Steam and Electric Locomotives of the Pennsylvania Railroad, 1900-1957 Alvin F. Stauffer, Bert Pennypacker, 1962      **Railroad History** ,2003      Railfan & Railroad ,2003      Electric Locomotives Brian Solomon, The history of electric freight and inter urban commuter locomotives in the U S begins with their development in East Coast urban centers and continues their service in the present day Railways that used or continue to use electric motive power in cities suburbs and even over mountain passes including the B O Pennsylvania New Haven New York Central Norfolk Western Illinois Central Milwaukee Road and Amtrack are depicted in period and modern color photography The book also covers legendary electrics like the S motors that towed steam powered trains through tunnels and into busy urban stations and several more The text includes discussion on the roles played by GE and Westinghouse specialized equipment and how technology laid the groundwork for the development of diesel electric locomotives prior to WW II      **Trains** ,1979      *Model Railroader* ,1953      **Extra Twenty-two Hundred South** ,1982      **Locomotive Engineers Journal** ,1987      **Electric Traction on the Pennsylvania Railroad, 1895-1968** Michael Bezilla, 1980 The first comprehensive case study of railroad electrification in the United States this pioneering book highlights a subject of current government and industry studies and a target of billions of dollars of Amtrak rehabilitation funds Both energy conservation and environmental quality remain at stake together with transportation efficiency Electric traction on the Pennsylvania Railroad was a technological success handicapped by an economic factor the onetime relatively low cost of petroleum which gave diesel locomotives and highway vehicles a temporary advantage Today the growing cost advantage of electricity generated with coal atomic energy water wind and solar power prefigures a revival of electric railroad traction Drawing upon previously untapped records of the PRR and its suppliers notably General Electric the author traces stages in cooperative risk management First came challenges of limited scope which steam locomotives were unable to meet the New York City tunnel extension of 1910 and the Philadelphia suburban modernization begun in 1913 Next came a decade of mainline electrification 1928 38 first New York to Washington and then passenger and freight extensions to Harrisburg These projects were preceded by large scale research and experimentation followed by constant improvement in equipment and operations Electric traction is depicted as a program involving not only the railroad but also its consultants equipment and energy suppliers and to a lesser degree governmental bodies Locomotive and power transmission design is described in detail with copious illustrations as are the creative achievements of managers engineers and workers And the presentation will be clear to readers without specialized technical or business backgrounds      **Rails Around the World** Brian Solomon, 2020 Rails Around the World is a visually glorious history depicting trains and locomotives at work in scenic locations throughout North America Europe and Asia      **North American Trains** David Ross, Brian Solomon, 2004      The Pennsy's P5 Electrics Fred Westing, Mike Bezilla, Roger L. Keyser, 2002      **Bulletin** National Railway Historical Society, 1969      Consumers Index to Product Evaluations and

Information Sources Pierian Press,1975      *The Complete Book of North American Railroading* Kevin EuDaly,Steve Jessup,Mike Schafer,Jim Boyd,Andrew McBride,Steve Glischinski,2016-09 Celebrate over 150 years of the North American railroad with this visual history You ll be amazed by over 400 modern and vintages photographs of these trains      **When the Steam Railroads Electrified, Revised Second Edition** William D. Middleton,2001 This comprehensive history of North American railroad electrification has been out of print for many years Now Indiana University Press is proud to announce its return in an new updated second edition For most of the first half of the 20th century the United States led the way in railroad electrification Before the outbreak of World War II the country had some 2 400 route miles and more than 6 300 track miles operating under electric power far more than any other nation and more than 20 percent of the world s total In almost every instance electrification was a huge success Running times were reduced Tonnage capacities were increased Fuel and maintenance costs were lowered and the service lives of electric locomotives promised to be twice as long as those of steam locomotives Yet despite its many triumphs electrification of U S railroads failed to achieve the wide application that once was so confidently predicted By the 1970s it was the Soviet Union with almost 22 000 electrified route miles that led the way and the U S had declined to 17th place Today electric operation of U S railroads is back in the limelight The federally funded Northeast Corridor Improvement Program has provided an expanded Northeast Corridor electrification with high speed trains that are giving the fastest rail passenger service ever seen in North America while still other high speed corridors are planned for other parts of the country And with U S rail freight tonnage at its highest levels in history the ability of electric locomotives to expand capacity promises to bring renewed consideration of freight railroad electrification Middleton begins his ambitious chronicle of the ups and downs of railway electrification with the history of its early days and brings it right up to the present which is surely not the end of this complex and mercurial story      *Model Railroad Craftsman* ,1989      Railroad Magazine ,1968      **National Railway Bulletin** ,2000      **Million Dollar Directory** ,1987

## Unveiling the Magic of Words: A Report on "**The Pennsys P5 Electrics**"

In a global defined by information and interconnectivity, the enchanting power of words has acquired unparalleled significance. Their capability to kindle emotions, provoke contemplation, and ignite transformative change is actually awe-inspiring. Enter the realm of "**The Pennsys P5 Electrics**," a mesmerizing literary masterpiece penned by a distinguished author, guiding readers on a profound journey to unravel the secrets and potential hidden within every word. In this critique, we shall delve to the book is central themes, examine its distinctive writing style, and assess its profound effect on the souls of its readers.

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