

# **AGA Report No. 5**

## **Natural Gas Energy Measurement**

**Prepared by Transmission Measurement Committee**

**March 2009**



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## ACKNOWLEDGEMENTS

AGA Report No. 5, *Natural Gas Energy Measurement*, was revised by a Task Group of the American Gas Association's Transmission Measurement Committee under the joint chairmanship of **Warren Peterson** with TransCanada Pipelines Limited and **James Witte** with El Paso Corporation with substantial contributions from **Eric Lemmon** with the National Institute of Standards and Technology.

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## FOREWORD

This report is published to foster consensus among parties conducting energy-based measurement of natural gas.

The report addresses methods, assumptions and criteria relevant to the determination of heating value and heat energy.

Gas property measurement has a history of continual refinement. A goal of this report is to provide stabilizing influence through the stewardship of the Transmission Measurement Committee of the American Gas Association.

This revision was triggered by technology advancement and heightened industry attention to gas quality issues.

This version of AGA Report No. 5 supersedes all prior versions of this document. Users of previous editions are advised to upgrade to this edition.

**Programs in Excel Spreadsheet for AGA 5 related calculations including heating values both in Imperial and SI units are provided with this report.**

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