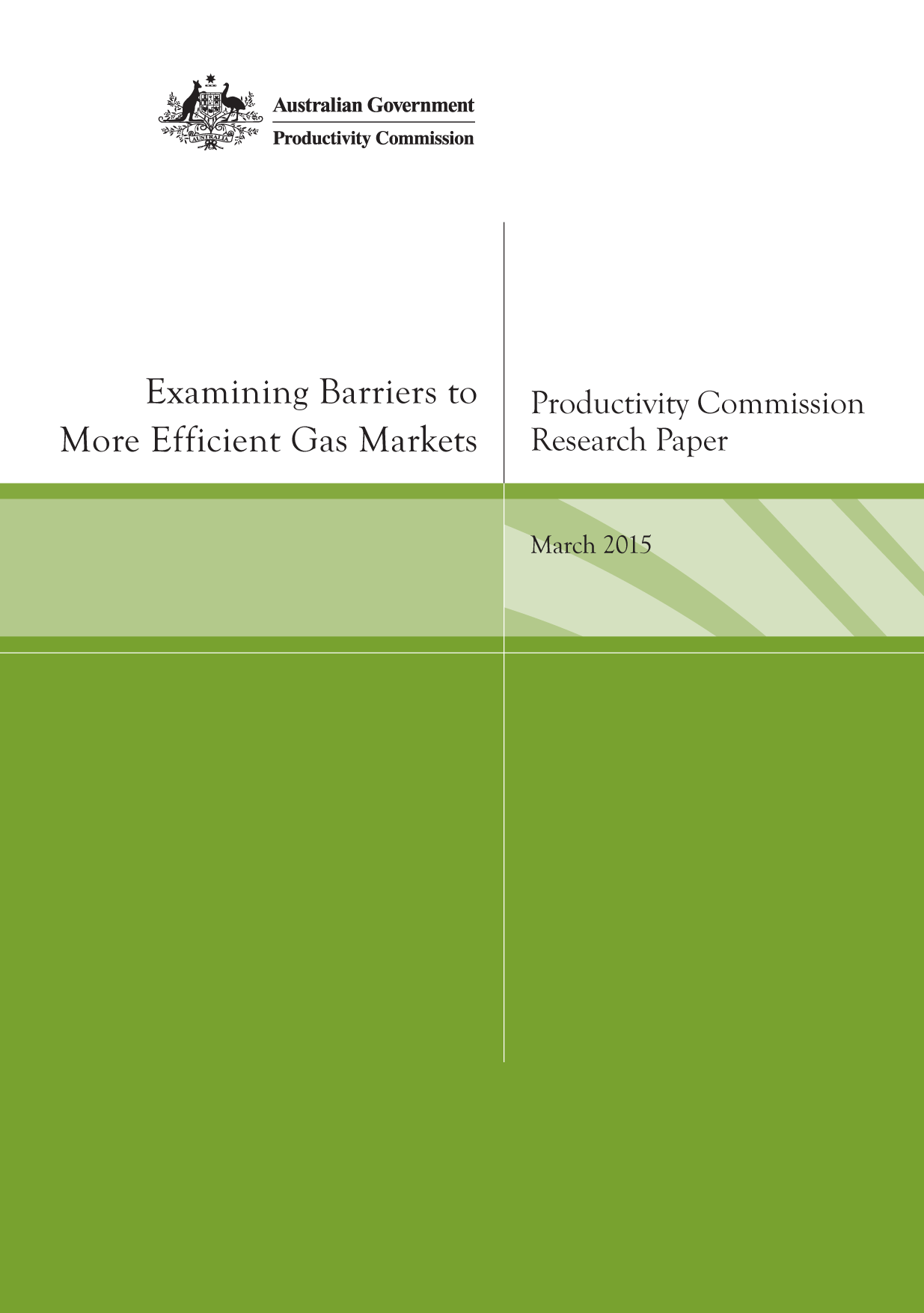
# Examining Barriers to More Efficient Gas Markets. Productivity Commission Research Paper. March 2015.



Commonwealth of Australia 2015

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Paul Lindwall

Commissioner

31 March 2015

# Abbreviations and explanations

Abbreviations

ABS Australian Bureau of Statistics

ACCC Australian Competition and Consumer Commission

AEMC Australian Energy Market Commission

AEMO Australian Energy Market Operator

AER Australian Energy Regulator

AIG Australian Industry Group

AMDQ Authorised Maximum Daily Quantity

APIA Australian Pipeline Industry Association

APPEA Australian Petroleum Production and Exploration Association

BREE Bureau of Resources and Energy Economics

CGE Computable general equilibrium

COAG Council of Australian Governments

CSG Coal seam gas

DTS Declared Transmission System

DWGM Declared Wholesale Gas Market

ESAA Energy Supply Association of Australia

EUAA Energy Users Association of Australia

GDP Gross domestic product

GJ Gigajoule

IPART Independent Pricing and Regulatory Tribunal

JCC Japan Customs-cleared Crude

LNG Liquefied natural gas

MLUF Multiple Land Use Framework

MMBtu Million British Thermal Units

Mtpa Million tonnes per annum

NCC National Competition Council

NGL National Gas Law

NGR National Gas Rules

PC Productivity Commission

PJ Petajoule

SCER Standing Council on Energy and Resources

TJ Terajoule

Explanations

|  |  |
| --- | --- |
| Billion | The convention used for a billion is a thousand million (109). |
| Btu | British thermal unit, a measure of energy equivalent to 1055 joules. |
| Gigajoule | A measure of energy equivalent to one billion (109) joules |
| Joule | A unit of energy; 4184 joules are required to raise the temperature of one kilogram of water by one degree Celsius. |
| Megajoule | A measure of energy equivalent to one million (106) joules. |
| MMBtu | One million British thermal units, a measure of energy equivalent to 1.0551 × 109 joules, or 1.0551 gigajoules. |
| Petajoule | A measure of energy equivalent to one quadrillion (1015) joules. |
| Terajoule | A measure of energy equivalent to one trillion (1012) joules. |