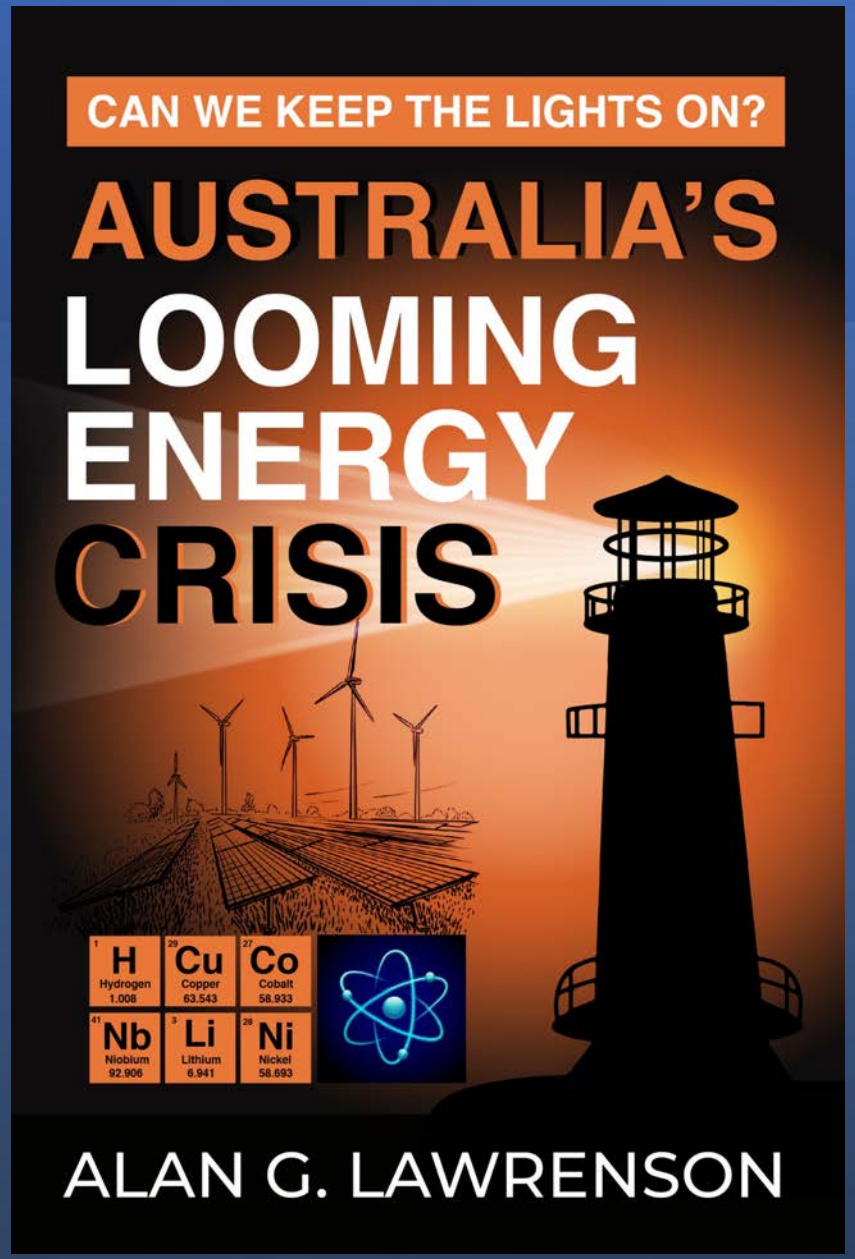
CAN WE KEEP THE LIGHTS ON?
AUSTRALIA'S
LOOMING
ENERGY
CRISIS
1 H Hydrogen 1.008
29 Cu Copper 63.543
27 Co Cobalt 58.933
41 Nb Niobium 92.906
3 Li Lithium 6.941
28 Ni Nickel 58.693
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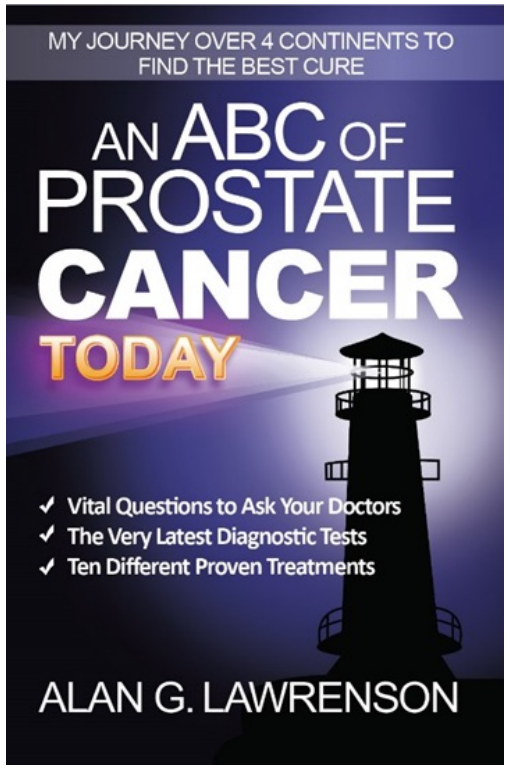
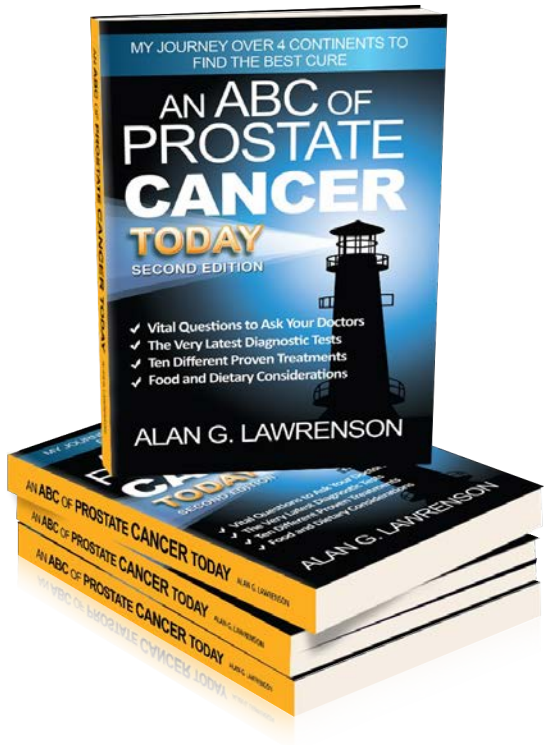
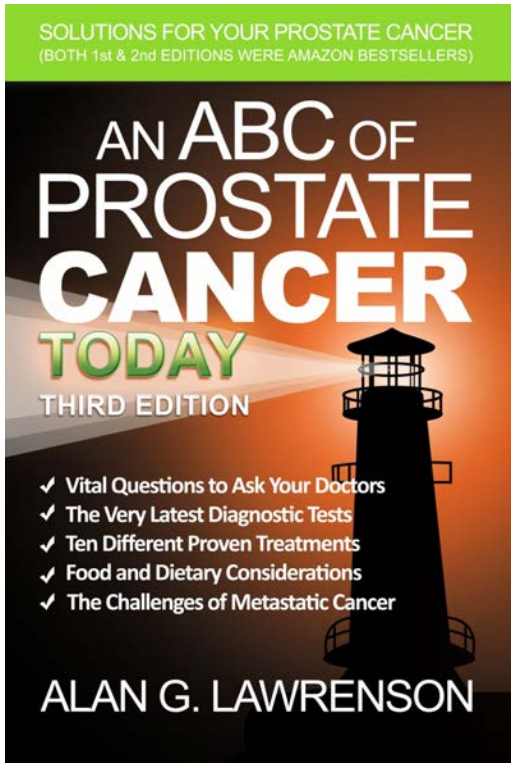
THREE PREVIOUS BESTSELLERS







Quotes From Industry Experts Included in The Book

Paul B, a former public infrastructure giant, said:

> "It is not just looking impossible, it IS impossible,it cannot be done. We are blindly charging on simply because of political ideology."

Dan W, Australia's top energy bureaucrat, said:

> "To ensure Australian consumers continue to have access to reliable electricity supplies, it's critical that planned investments in transmission, generation and storage projects are urgently delivered."

Prof Bruce M, researcher, said the VNI West and WR Link:

> "Will be the biggest single expense in the Victorian transmission system in more than 50 years and the biggest mistake in transmission planning in living memory."

Why You Should Buy This Book?

- Each chapter is a story in itself. Its 495 pages are packed with essential information.
- Find out how your future energy needs will be impacted.
- It's written in an easily understood manner.
- Key statements are referenced to their source.

Alan G. Lawrenson

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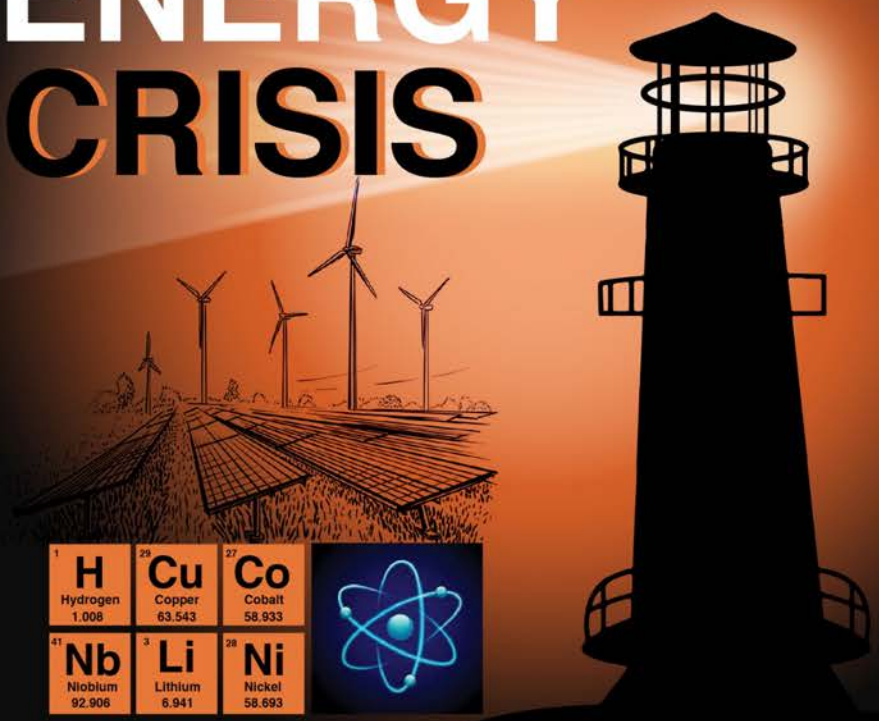
AUSTRALIA'S LOOMING ENERGY CRISIS ALAN G. LAWRENSON

CAN WE KEEP THE LIGHTS ON?

AUSTRALIA'S LOOMING ENERGY CRISIS



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Contents

Critical Minerals Criticality Analysis in 2030

Element	Mining Criticality %	Processing Criticality	Comments
Lithium	Minus 10 to 15	Sufficient	Sodium-ion or silicon battery might fill this shortfall
Copper	Minus 15 to 20	Sufficient	New large mines under development will help
Cobalt	Deficit 28-30	New Western refineries	Deficit depends on Indonesian pig iron nickel
Nickel	Sufficient	New Western refineries	New Australian and Indonesian mines are key
Manganese	Minus 8 to 47	New Australian Process	Euro Manganese claim 390kt deficit. McKinsey say -8%.
Graphite	Minus 25 to 33	Need many refineries	High CO_2 output synthetic graphite may fill the gap
REEs	Minus 15	Need 4 new refineries	Supply tightness until ARU, ILU, HAS and others start up

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