

THE REP BODY OF KNOWLEDGE
Preparation for the REP Certification Exam



The REP Certification Exam is a four-hour open book exam. The examination questions are based on the Body of Knowledge listed below. The examination has 16 different subject sections, all of which are included in the exam. You must bring a hand calculator to the exam as the REP exam does not allow computers, tablets, or cell phones to be used during the test.

The REP Examination contains the following mandatory subjects:

Body of Knowledge	Percent of Exam
Environmental Impacts – a Driver for Using Alternative Energy	4 – 6 %
Alternative Energy and Carbon Reduction	8 – 10 %
Solar Energy	13 – 15 %
Wind Energy	10 – 12 %
Hydropower	13 – 15 %
Geothermal Energy	4 – 6 %
Waste-to-Energy Systems	1 – 3 %
Fuel Cells – An Example of Hydrogen Applications	0 – 2 %
Hybrid Alternative Energy Systems	2 – 4 %
Creative Energy Storage Applications	2 – 4 %
Alternative Energy Strategies for Buildings	6 – 8 %
Transportation Systems	5 – 7 %
Governmental Alternative Energy Programs	3 – 5 %
Financial Approaches and Incentives for Alternative Energy	7 – 9 %
The Future of Alternative Energy	1 – 3 %
Biomass	2 – 4 %