



PRELIMINARY RESULTS FOR ENERGY SECTOR IN VIETNAM'S INDC

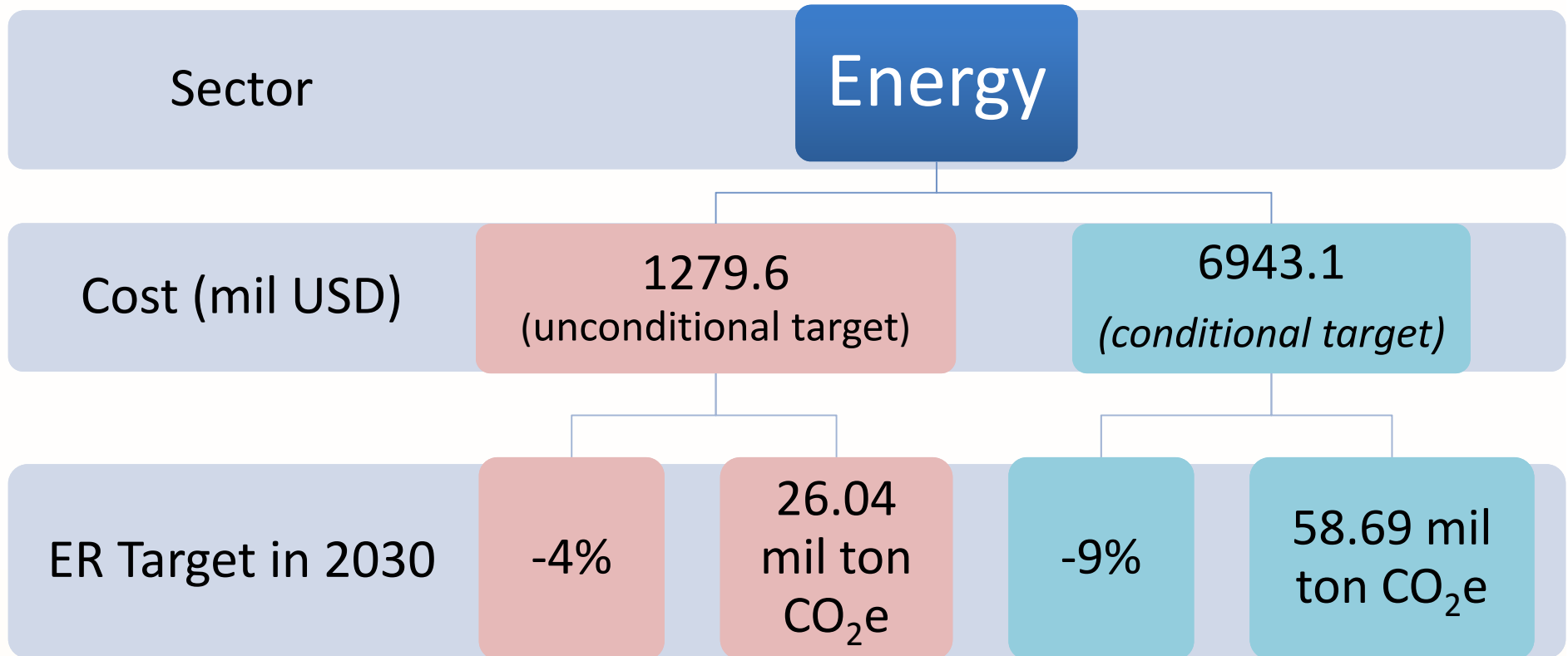
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- I. INDC TARGET IN ENERGY SECTOR
- II. METHODOLOGY AND ASSUMPTION
- III. MITIGATION SCENARIO AND PRELIMINARY RESULTS



I. Introduction



II. Methodology and Assumption

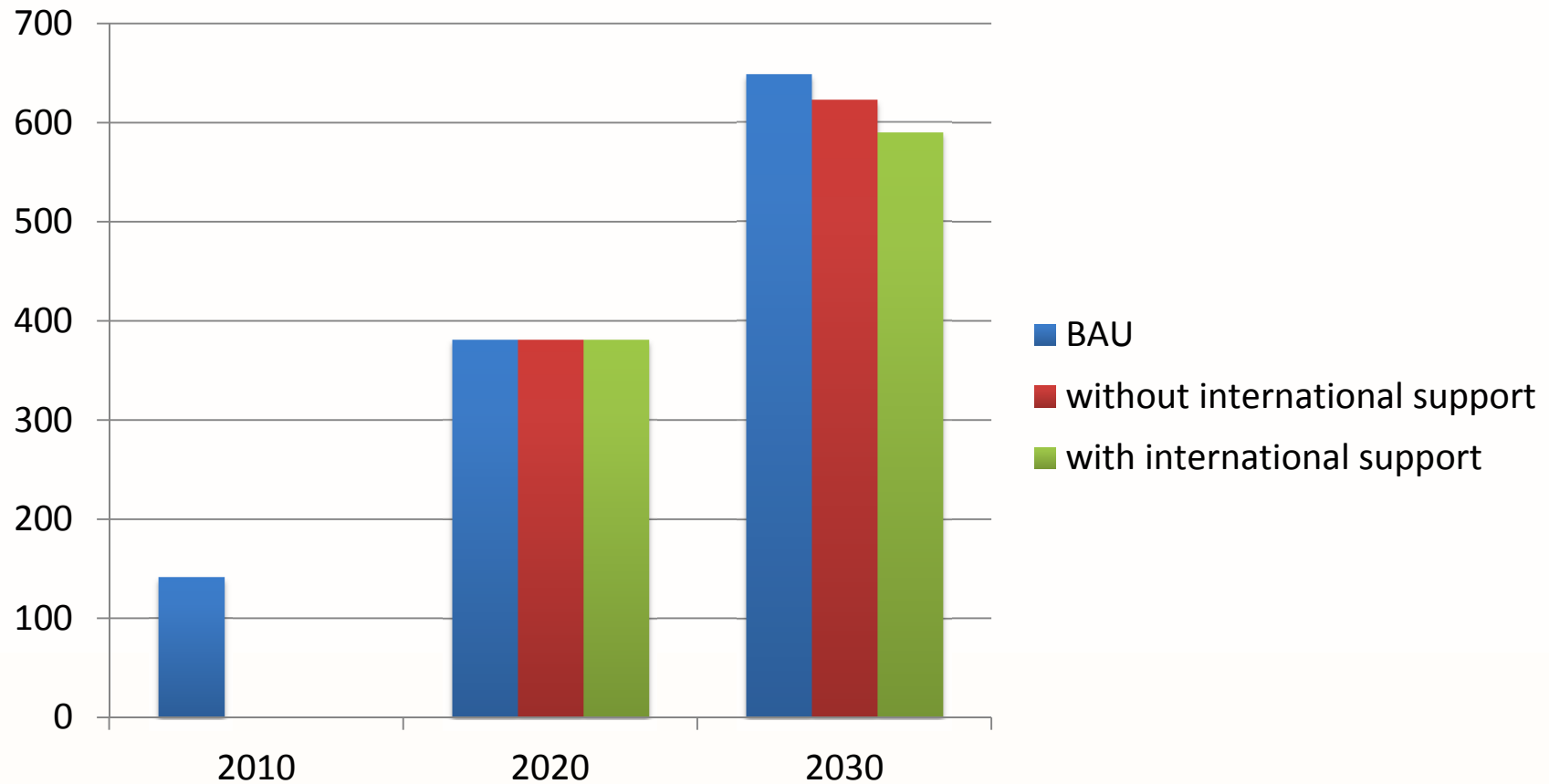
- Long range Energy Alternatives Planning System (LEAP model);
- Projection of GDP and population: General Statistic Office;
- Energy consumption in the past: Ministry of Industry and Trade;
- Projection on fuel price: US Information Administration, Annual Energy Outlook 2014.



Option	BAU in 2030	Mitigation Scenario in 2030
E1. High efficiency air conditioners	Urban: 30%; Rural: 15%	Urban: 80%; Rural: 60%
E2. High efficiency refrigerators	Urban: 20%; Rural: 10%	Urban: 80%; Rural: 70%
E3. Energy saving lighting	Urban: 20%; Rural: 15%	Urban: 80%; Rural 60%
E4. Solar water heating system	Urban: 10%; Rural: 5%	Urban: 30%; Rural: 15%
E5. Replace coal by biogas for cooking	Rural: 2%	Rural: 8%
E6. Technology transformation for cement sector	0%	60%
E7. Technology innovation for brick industry	0%	60%
E8. Use of ethanol in transportation	3%	10%
E9. Replace motorbike by e-bike	5%	35%
E10. Biomass power plant	100 MW	2000 MW
E11. Small hydropower plant		BAU + 1200 MW
E12. Wind farm	131 MW	6200 MW
E13. Biogas	0	60 MW
E14. Super critical thermal power plant	0	14400 MW
E15. Solar power plant	0	750 MW

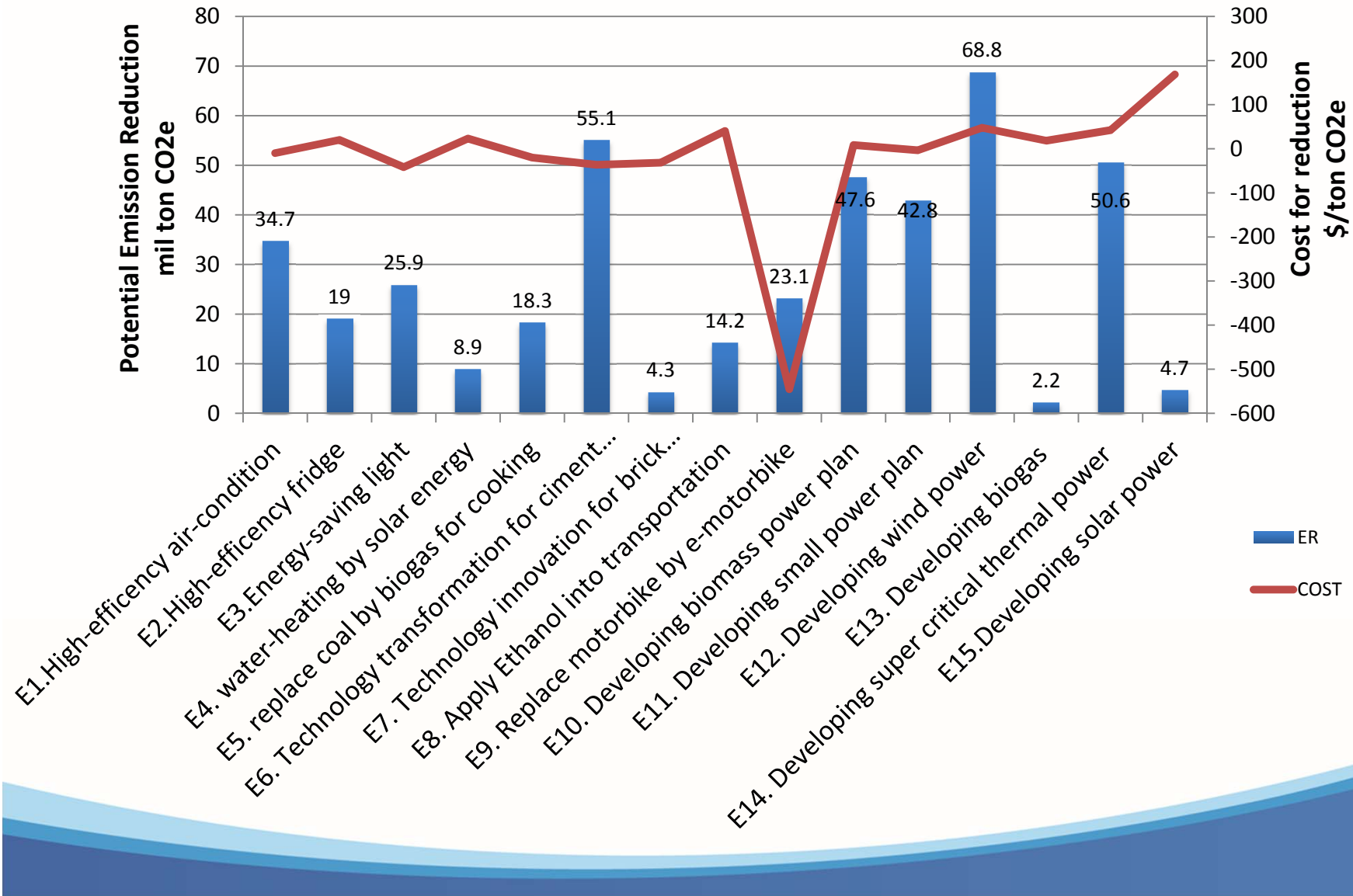
II. PRELIMINARY EMISSION RESULTS

Mitigation scenario for waste sector



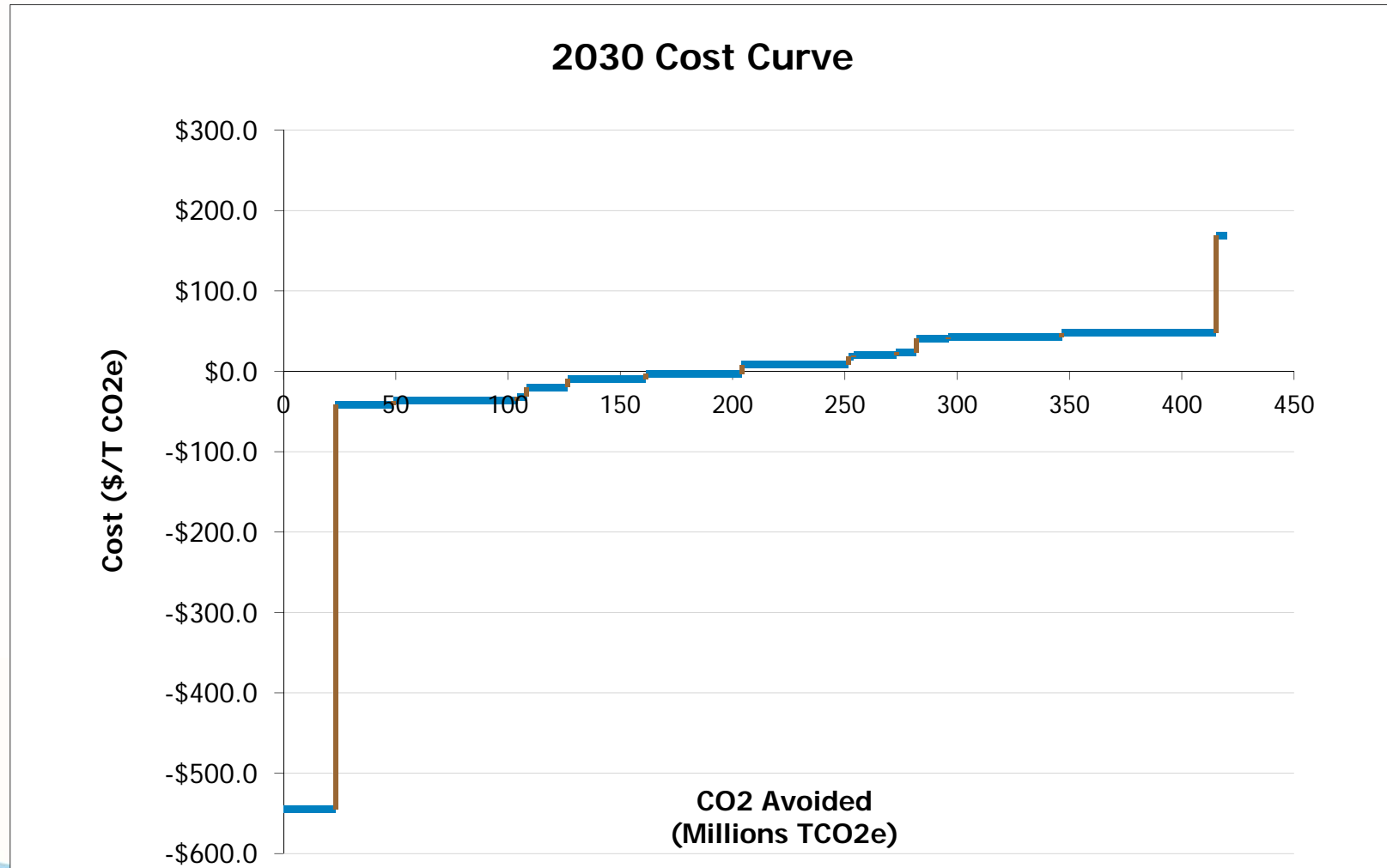
II. PRELIMINARY EMISSION RESULTS

Mitigation scenario for waste sector (cont.)



II. PRELIMINARY EMISSION RESULTS

Mitigation scenario for waste sector (cont.)





On behalf of:



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Environment, Nature Conservation,
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