

Private Sector Energy Efficiency Programme in South Africa

29 September 2016



The PSEE programme ran from 2013 -2015 & provided energy efficiency services to industry



- 50 Training workshops held for small businesses
- 991 Energy site surveys conducted for medium companies
- 37 Strategic Energy management plans completed



energy

Department:
Energy
REPUBLIC OF SOUTH AFRICA



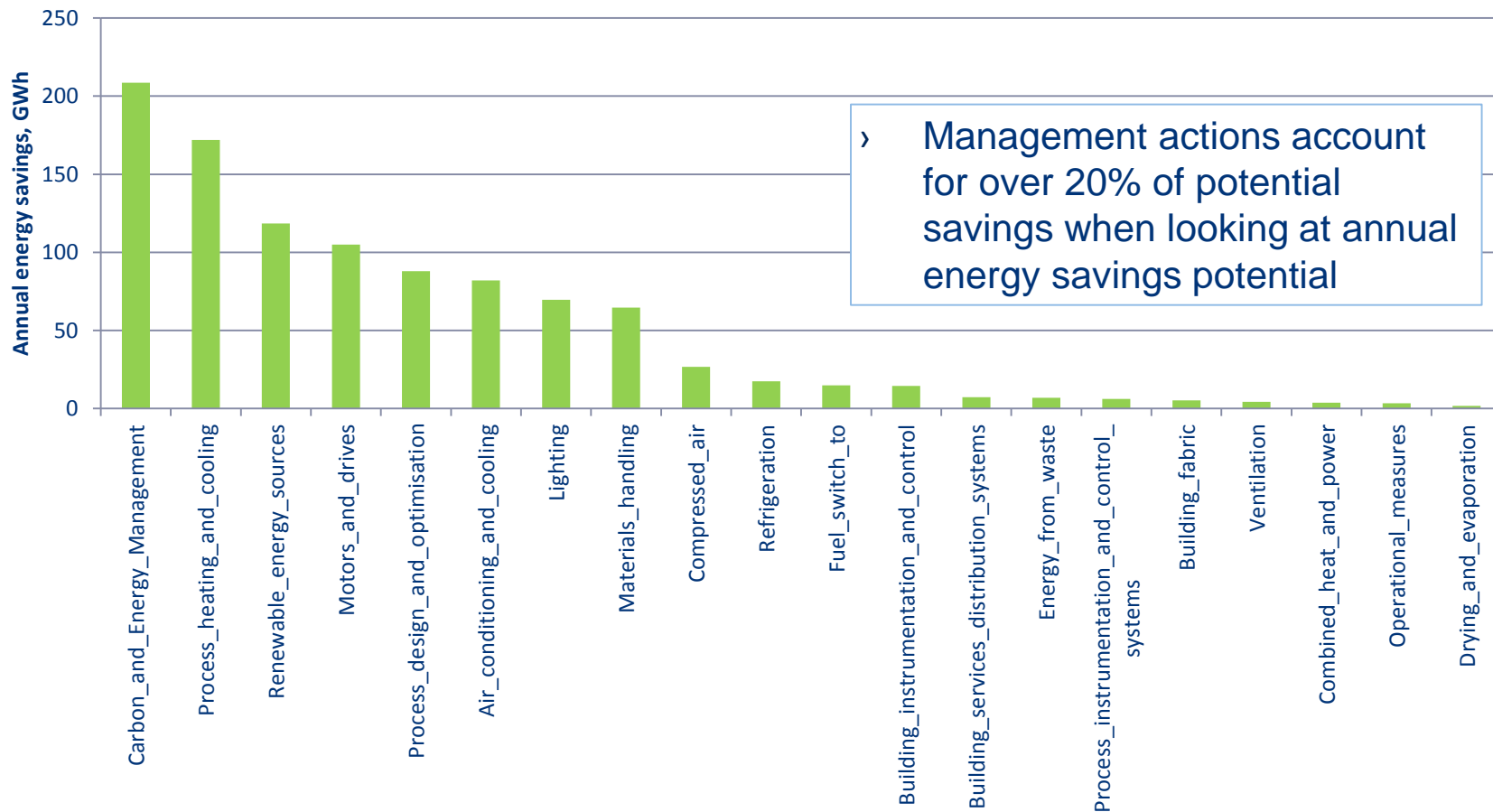
We estimate that the programme has hit its overall outcome targets



	Identified	Estimated total impact	Target
No. companies	1148		765 medium 35 large
No. opportunities identified	7150		N/A
Annual energy savings (GWh)	2400 GWh		N/A
Lifetime energy savings (GWh)	24,567 GWh	2 854 GWh	2,576 GWh
Lifetime carbon savings (MtCO₂e)	19.2 MtCO ₂ e	2.2 MtCO ₂ e	2.0 MtCO ₂ e
Capex leveraged (R m)	R 4.9 bn		R 750m
Average payback of opportunities	2.4 years		N/A
Average capacity usage (MW)	768MW		60 MW (estimated)

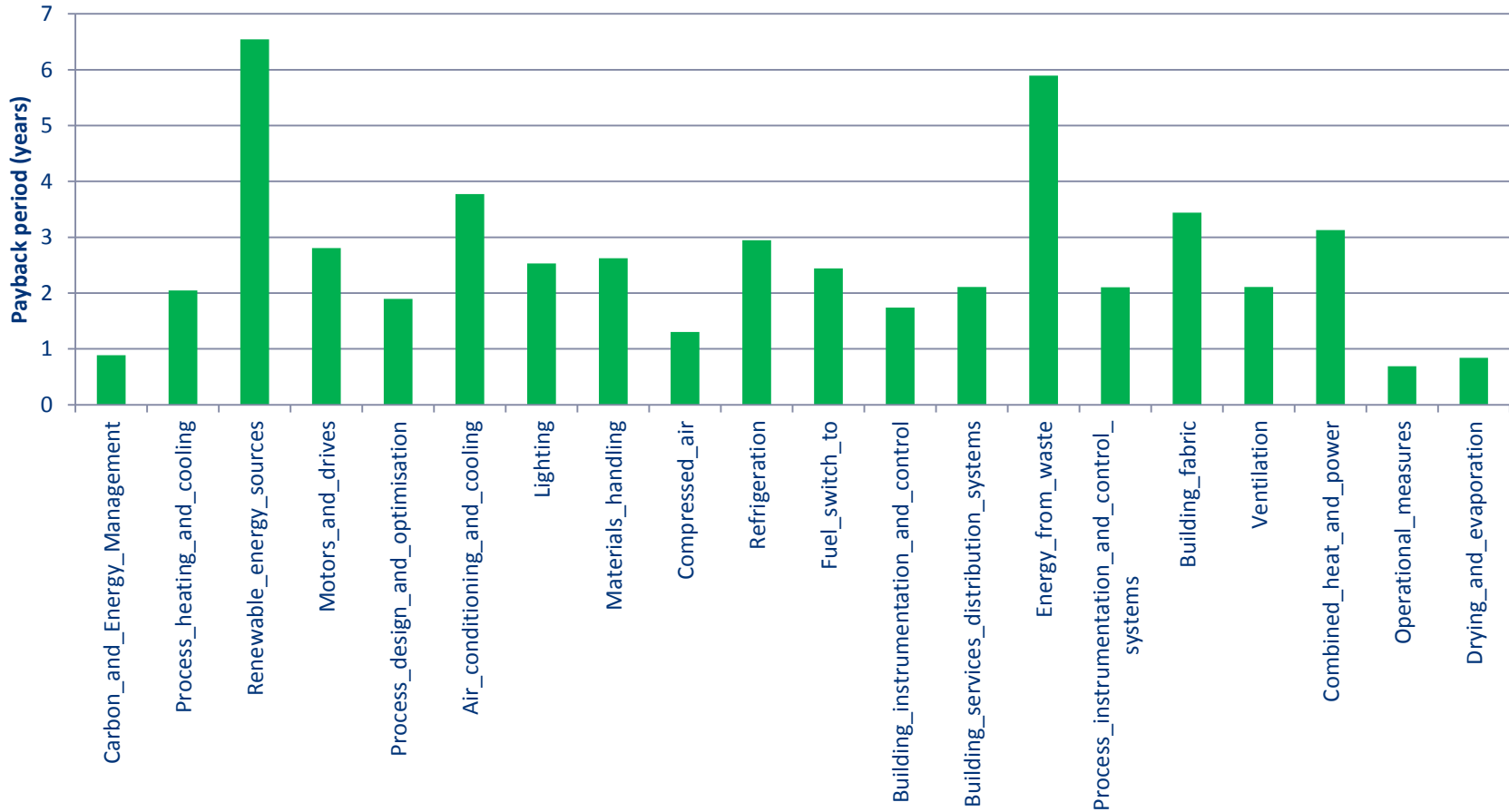
Management actions, heating, renewables, and motors represent 60% of savings

Split of PSEE recommendations to date by technology, Sept 2015



Average payback is c.2.3 yrs, with management actions less than 1 year

Split of PSEE recommendations to date by technology, Sept 2015



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