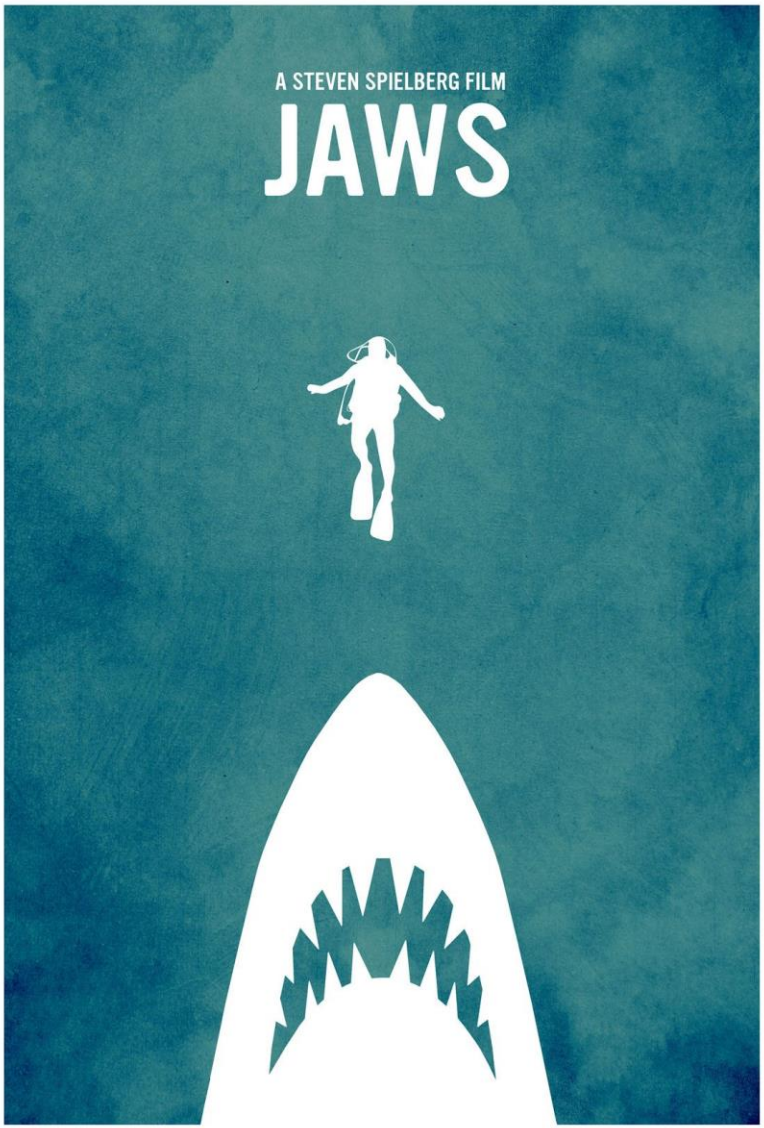
NATIONAL INFRASTRUCTURE COMMISSION

Resilience: Twenty65 conference 2019

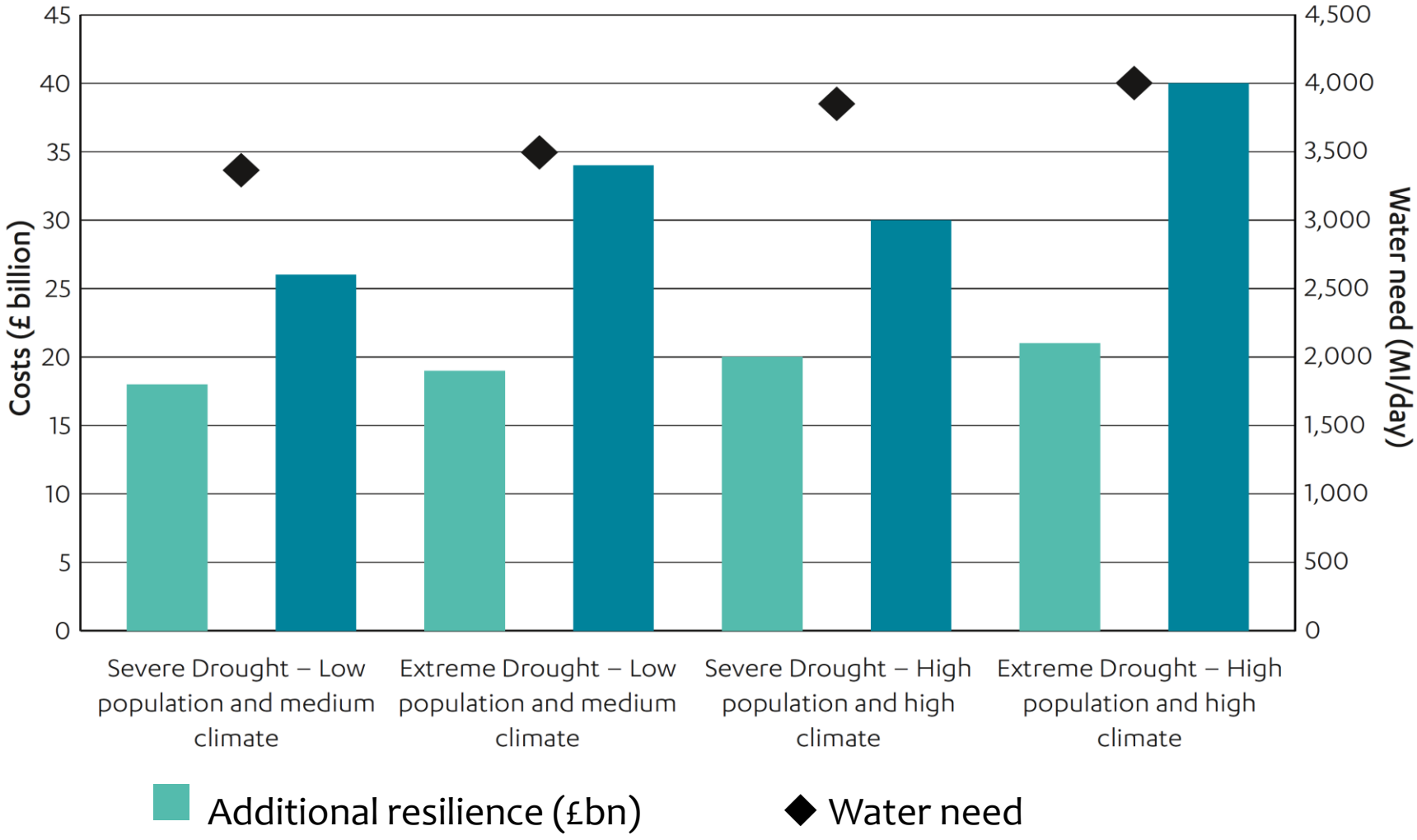
James Richardson

Why is resilience hard?



NATIONAL
INFRASTRUCTURE
COMMISSION

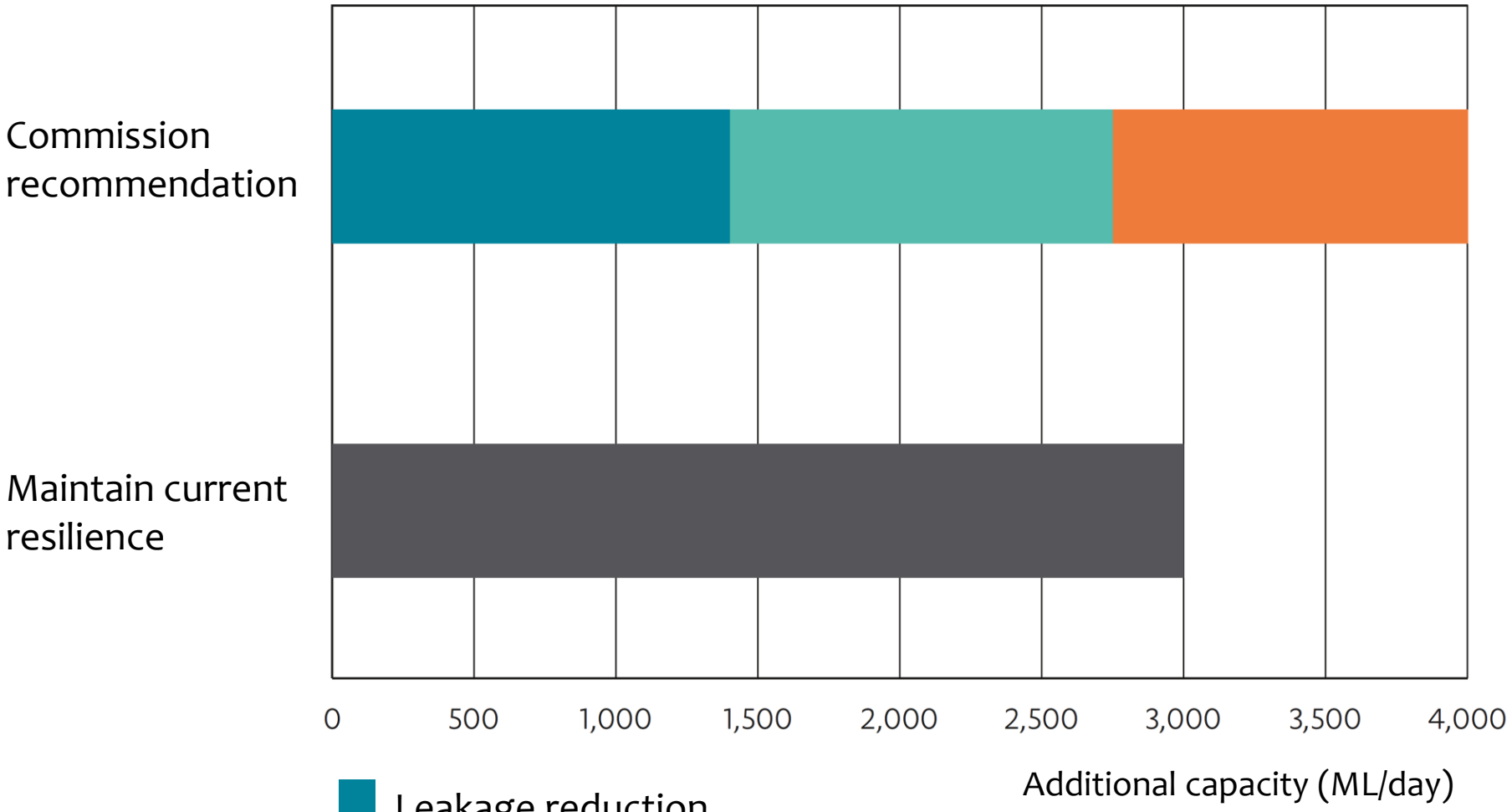
Resilience is cheaper than emergency measures



NATIONAL INFRASTRUCTURE COMMISSION

Source: National Infrastructure Commission

An additional 4,000 Megalitres/day



NATIONAL INFRASTRUCTURE COMMISSION

Source: National Infrastructure Commission

NATIONAL INFRASTRUCTURE COMMISSION

The impact on bills

Table 7.2: The impact on bills

Average annual aggregate impact (£ million, 2018/19 prices)	2020-2025	2025-2030	2030-2035	2035-2040	2040- 2045	2045-2050
Heat trials and energy efficiency	+110	+270	+190	+180	+180	+180
Waste	+140	+110	+50	-10	-30	-60
Flood risk – lower insurance costs	-60	-240	-420	-610	-790	-980
Water – resilience to drought	+310	+640	+280	+280	+280	+280
Total impact on households, businesses and public sector	+510	+780	+100	-150	-370	-580
Total impact on households	+440	+650	+120	-60	-240	-420
Average impact per household (£/year)	*+£20*	*+£20*	*£0*	*£0*	*-£10*	*-£10*
Total impact on businesses	+50	+90	-20	-70	-100	-130
Total impact on public sector resource spending	+20	+40	0	-20	-30	-30

Impacts are shown relative to a baseline without the recommendation. This is different to the energy bills impacts described in the *Low Cost, Low Carbon* chapter which compare 2050 to today. Negative figures denote savings. Columns may not sum to totals due to rounding