

JUNE 2021

Climate**Ready**Clyde

# Glasgow City Region Climate Adaptation Strategy and Action Plan

## Finance Adaptation Gap Estimates

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# Glasgow City Region Adaptation Finance Gap Estimates 2018/19

Given the lack of data on the adaptation finance gap in Scotland, the Climate Ready Clyde Secretariat, supported by Paul Watkiss Associates, have created indicative estimates for Glasgow City Region. The data has been created by combining Local Authority level spending from the Scottish Local Government Finance Statistics, with estimates of average adaptation costs. To create the estimates, the Secretariat applied a percentage uplift to non-adaptation spend of the Region's Local Authorities and NHS Boards.

This method is limited to eight Local Authorities and the two NHS Boards for Glasgow City Region. Therefore the estimated adaptation gap is likely much higher across the public sector alone, even before private and third sectors are included.

Generating a more robust estimate should be considered a priority for Glasgow City Region to better estimate investment needs in future years.

## Sources

Scottish Local Government Finance Statistics:

<https://www.gov.scot/publications/scottish-local-government-finance-statistics-slgfs-2018-19/>

N.B. Adaptation requirements based on estimates from Economist, 2019

<https://www.economist.com/business/2019/02/23/business-and-the-effects-of-global-warming>

## Further information

For any questions or further information on the data contained in this spreadsheet, please email: [climatereadyclyde@sniffer.org.uk](mailto:climatereadyclyde@sniffer.org.uk)

# Capital and Revenue Adaptation Gap 2018/19

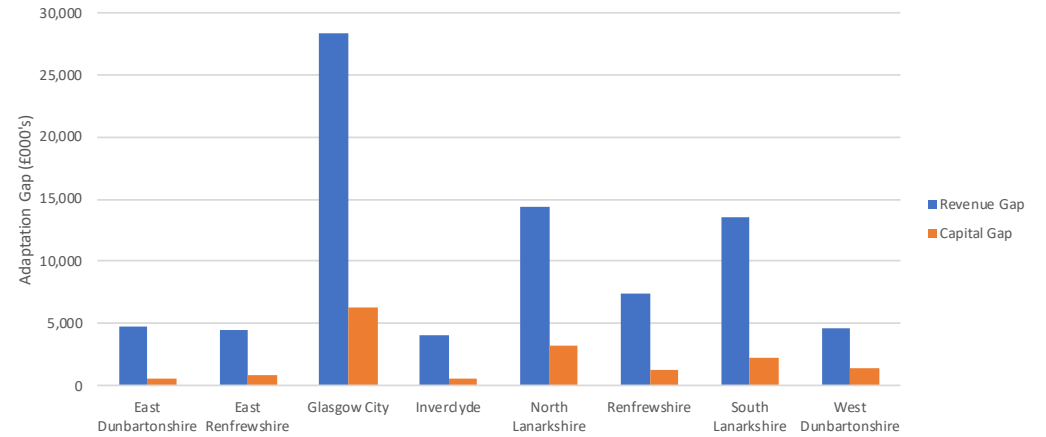
Graph: Capital and Revenue Adaptation Gap 2018/19 by Local Authority (£000's)

Local Government

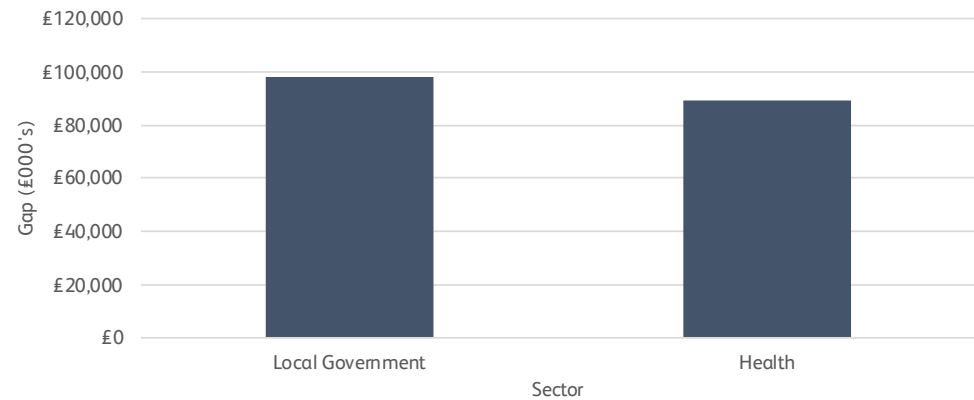
Local Authority	Revenue Gap	Capital Gap
East Dunbartonshire	4,716	611
East Renfrewshire	4,499	830
Glasgow City	28,348	6,305
Inverclyde	3,985	545
North Lanarkshire	14,316	3,234
Renfrewshire	7,405	1,313
South Lanarkshire	13,554	2,269
West Dunbartonshire	4,533	1,429
<b>Glasgow City Region Total</b>	<b>81,357</b>	<b>16,536</b>

NHS Health Board	Revenue
NHS Greater Glasgow and Clyde	£64,949
NHS Lanarkshire	£24,246
<b>Glasgow City Region Adaptation Gap</b>	<b>£89,196</b>
Local Government	97,893
Health	£89,196
Total	187,088

Adaptation Gap for Local Authorities in Glasgow City Region (2018/19)



Adaptation Gap by Sector for Glasgow City Region 2018/19 (£000's)



## Local Authority Adaptation Gap 2018/19

Local Authority	Revenue Gross Expenditure on Adaptation (£000's)(ii)						Capital Adaptation Gap Estimates			
	Gross expenditure (£ 000's) <sup>(i)</sup>	Coastal Protection	Flood Defence and Land Drainage	Residual Non- Adaptation Spend	Adaptation Gap (iii)	Gross Capital Expenditure	Lower bound (0.5%)	Average (2%)	High end (10%)	Total Gap (Average Capex and Revenue)
East Dunbartonshire	236,025	0	227	235,798	4,716	30,563	153	611	3,056	5,327
East Renfrewshire	225,068	0	115	224,953	4,499	41,504	208	830	4,150	5,329
Glasgow City	1,417,897	0	491	1,417,406	28,348	315,250	1,576	6,305	31,525	34,653
Inverclyde	199,327	0	76	199,251	3,985	27,269	136	545	2,727	4,530
North Lanarkshire	715,810	0	0	715,810	14,316	161,694	808	3,234	16,169	17,550
Renfrewshire	370,645	0	380	370,265	7,405	65,643	328	1,313	6,564	8,718
South Lanarkshire	677,966	0	285	677,681	13,554	113,437	567	2,269	11,344	15,822
West Dunbartonshire	226,664	0	0	226,664	4,533	71,453	357	1,429	7,145	5,962
<b>Glasgow City Region Total</b>	<b>4,069,402</b>		<b>1574</b>	<b>4,067,828</b>	<b>81,357</b>	<b>826,813</b>	<b>4,134</b>	<b>16,536</b>	<b>82,681</b>	<b>97,893</b>
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Notes: Gross service expenditure is total expenditure on services in year minus internal transfers.

N.B. Revenue Adaptation requirements based on estimates from Economist, 2019 (<https://www.economist.com/business/2019/02/23/business-and-the-effects-of-global-warming>)

i) SLGFS - Revenue Expenditure, Income and Reserves

ii) SLGS - Net Revenue Expenditure by Subservice

iii) based on requirements estimate of 2%

20 year invest: 16,536,260,000

## NHS Board Adaptation Gap 2018/19

NHS Board	Total Operating Costs (£000's)	Adaptation Gap (£000s)
NHS Greater Glasgow and Clyde	£3,247,467	£64,949
NHS Lanarkshire	£1,212,314	£24,246
<b>Total Glasgow City Region</b>	<b>£4,459,780</b>	<b>£89,196</b>

Data source: <https://www.isdscotland.org/Health-Topics/Finance/Costs/File-Listings-2019.asp>  
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