

Moving from Compliance to Leading Change

Compliance, Leadership and Drivers for Change

- George Tarvit, Sustainable Scotland Network, Keep Scotland Beautiful

Adapting to Climate Change – a leading role for universities and colleges

- Anna Beswick, Adaptation Scotland

Integrating Reporting and Communicating Value: Finance and Sustainability

- Phil McNaul, University of Edinburgh

Workshop: From Compliance to Leading Change – barriers and solutions

Workshop & Preparation



1. What solutions would help you and your institution to move towards better leadership on climate change?
2. What actions would improve leadership on climate change over the next year?
 - For you
 - For us (EAUC/SSN)
 - For others (SG, uni/college, other stakeholders...)

Workshop: 15 mins group discussion to prioritise / 15 mins to share and discuss

Presentation Outline



- 1. KSB and SSN**
- 2. Compliance**
- 3. Leadership**
- 4. Opportunities**

Keep Scotland Beautiful: A Clean, Green, Sustainable Scotland



We campaign, act and educate on a range of local, national and global environmental issues to change behaviour and improve the quality of people's lives and the places they care for.

What we do:



Sustainable development education

Provide education initiatives for children, young people and educators

Local environmental quality

Provide advice support and training to help create and maintain cleaner and safer local areas

Sustainability and climate change

Work to help people to reduce carbon emissions and adapt to impacts of climate change

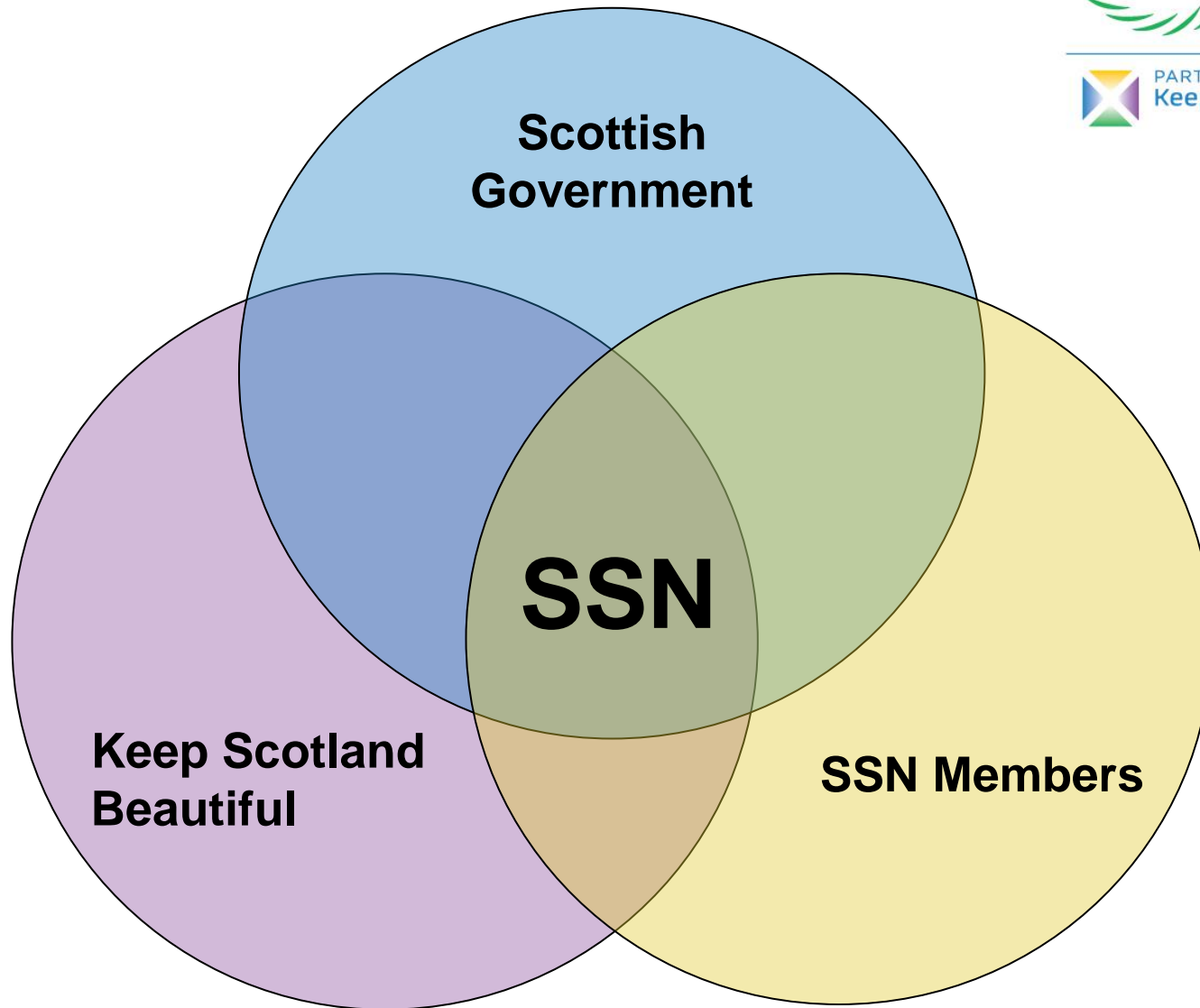
Environmental services

Help organisations meet environmental commitments and responsibilities

Sustainable Scotland Network



SSN Partnership



SSN Membership



Scotland's Public Sector 150 Climate Change Major Players

**Local
Authorities**

NHS

**Universities
& Colleges**

**National
Agencies /
Non-Dept'al
Public
Bodies**

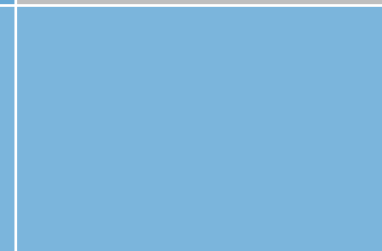
**Regional
Transport
Partnerships**

**Steering Group
Membership**

**Steering Group
Membership**

**Steering Group
Membership**

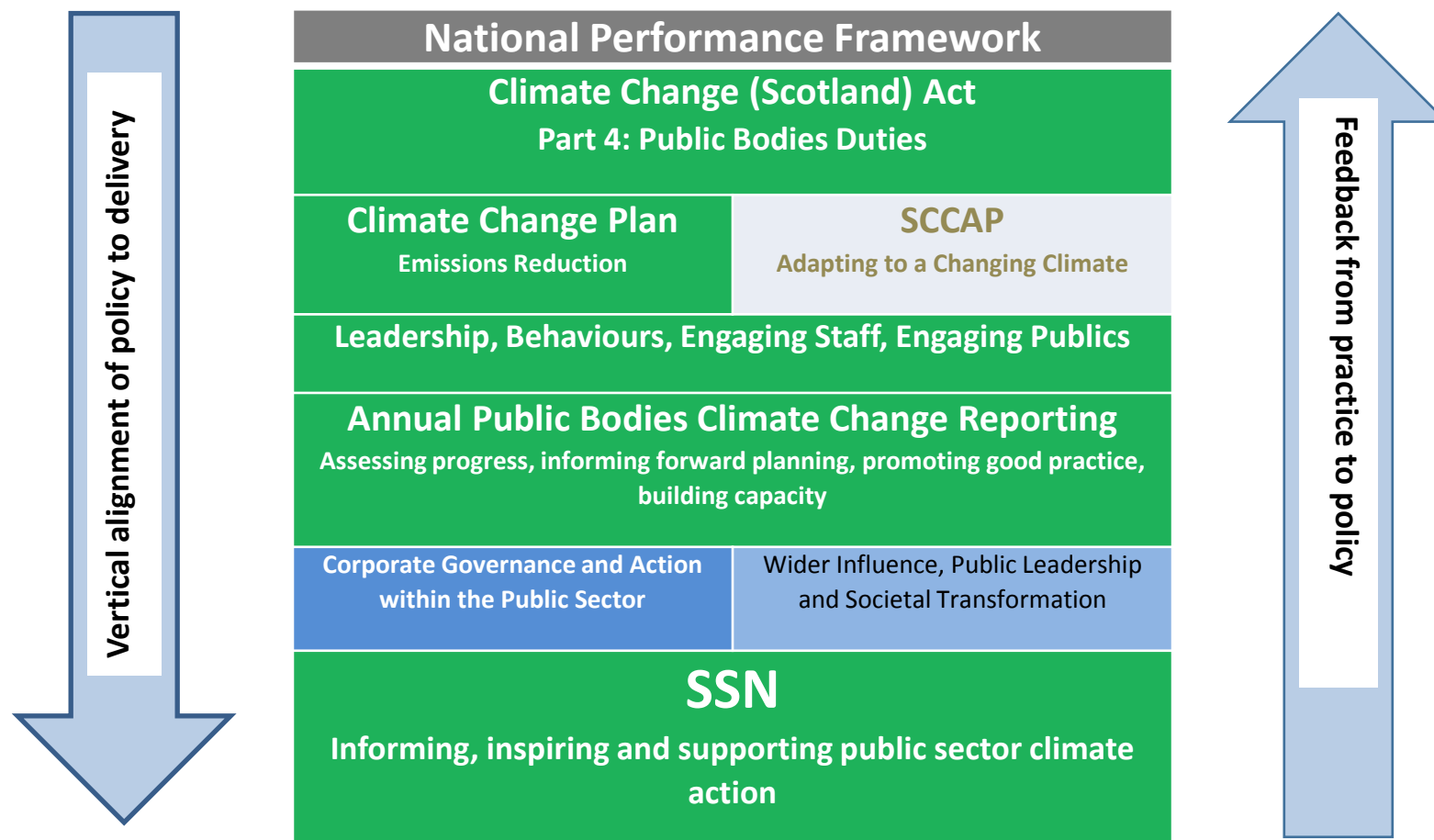
**Steering Group
Membership**



SSN Priorities



 PART OF THE
Keep Scotland Beautiful
CHARITY



Compliance, Leadership and Drivers for Change

Compliance, With What?

Legislation and Policy



Climate Change (Scotland) Act 2009

2009 asp 12

The Bill for this Act of the Scottish Parliament was passed by the Parliament on 24th June 2009 and received Royal Assent on 4th August 2009

An Act of the Scottish Parliament to set a target for the year 2050, an interim target for the year 2020, and to provide for annual targets, for the reduction of greenhouse gas emissions; to provide about the giving of advice to the Scottish Ministers relating to climate change; to confer power on Ministers to impose climate change duties on public bodies; to make further provision about mitigation of and adaptation to climate change; to make provision about energy efficiency, including provision enabling council tax discounts; to make provision about the reduction and recycling of waste; and for connected purposes.

PART 1

EMISSIONS REDUCTION TARGETS

The 2050 target

1 The 2050 target

- (1) The Scottish Ministers must ensure that the net Scottish emission 2050 is at least 80% lower than the baseline.
- (2) In this Act, the target set out in subsection (1) is known as the “2050 target”.

The interim target

2 The interim target

- (1) The Scottish Ministers must ensure that the net Scottish emission 2020 is at least 42% lower than the baseline.
- (2) In this Act, the target set out in subsection (1) is known as the “interim target”.

PART 4

DUTIES OF PUBLIC BODIES RELATING TO CLIMATE CHANGE

Duties of public bodies

44 Duties of public bodies relating to climate change

- (1) A public body must, in exercising its functions, act—
 - (a) in the way best calculated to contribute to the delivery of the targets set in or under Part 1 of this Act;
 - (b) in the way best calculated to help deliver any programme laid before the Scottish Parliament under section 53;
 - (c) in a way that it considers is most sustainable.

Climate Change Mitigation Policy



 PART OF THE
Keep Scotland Beautiful
CHARITY

Low Carbon Scotland: Meeting the Emissions Reduction Targets 2010-2022

The Report on Proposals and Policies



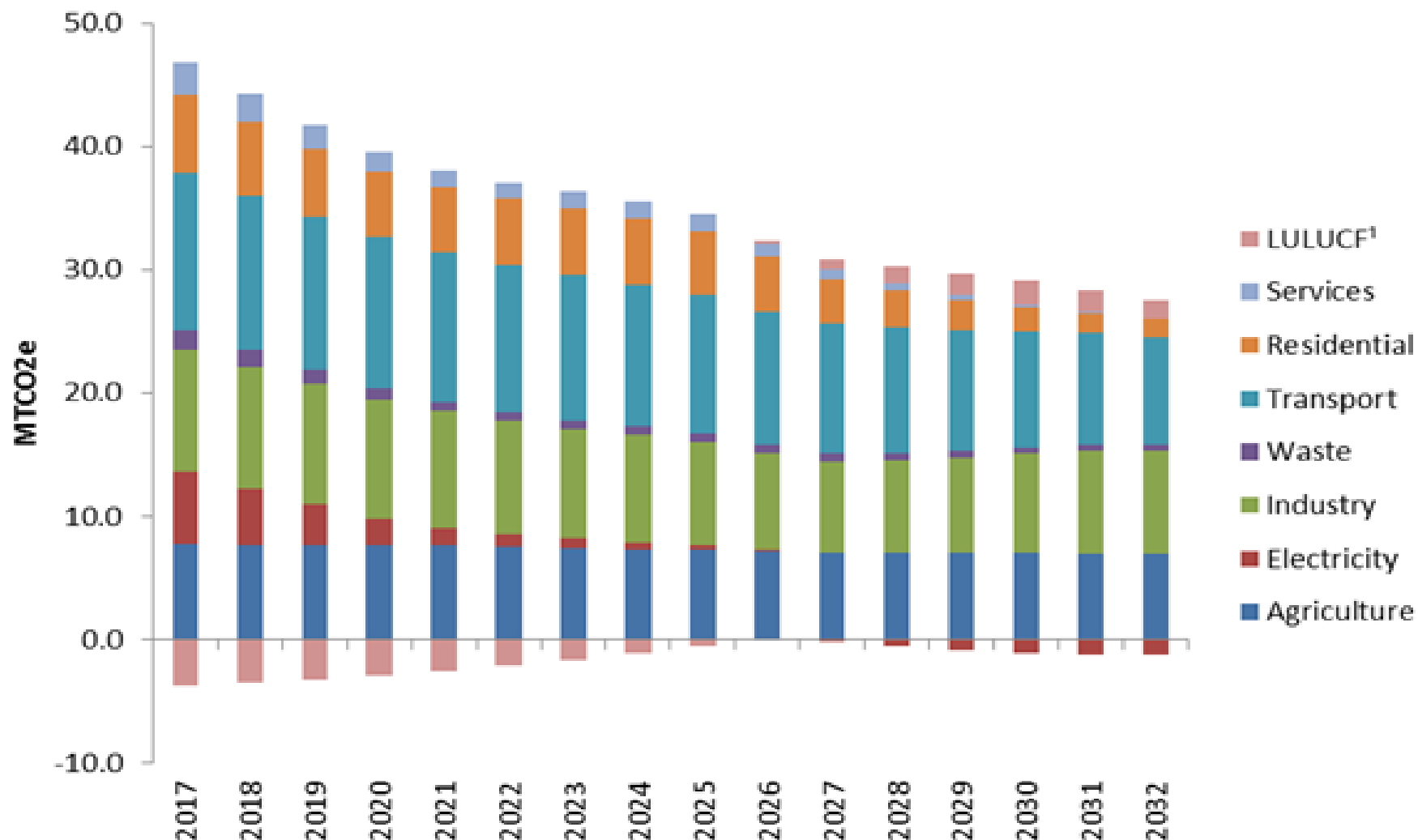
LOW CARBON SCOTLAND MEETING THE EMISSIONS REDUCTION TARGETS 2013-2027 THE SECOND REPORT ON PROPOSALS AND POLICIES

DRAFT CLIMATE CHANGE PLAN The draft third report on policies and proposals 2017-2032 January 2017

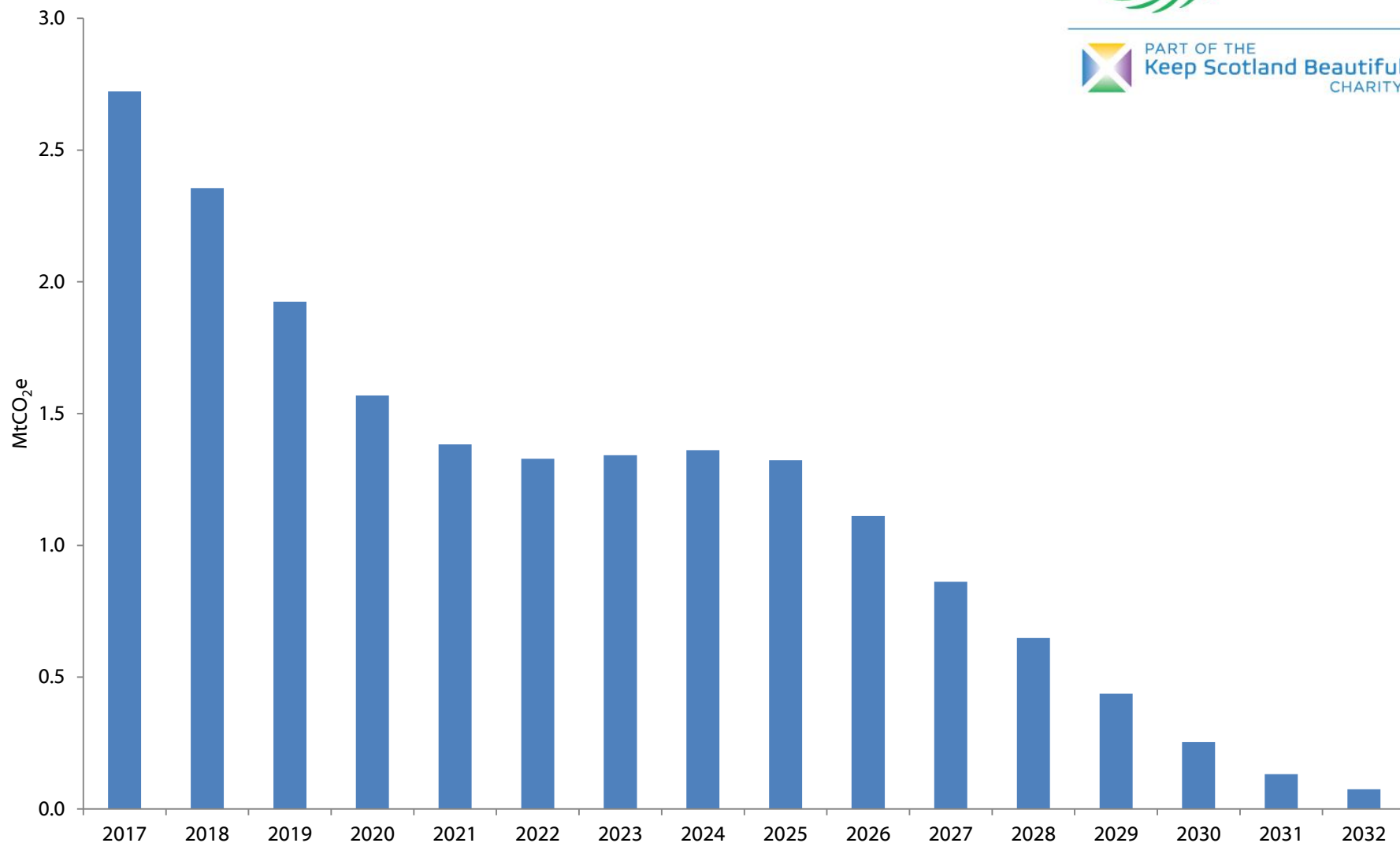


 Scottish Government
Riaghaltas na h-Alba
gov.scot

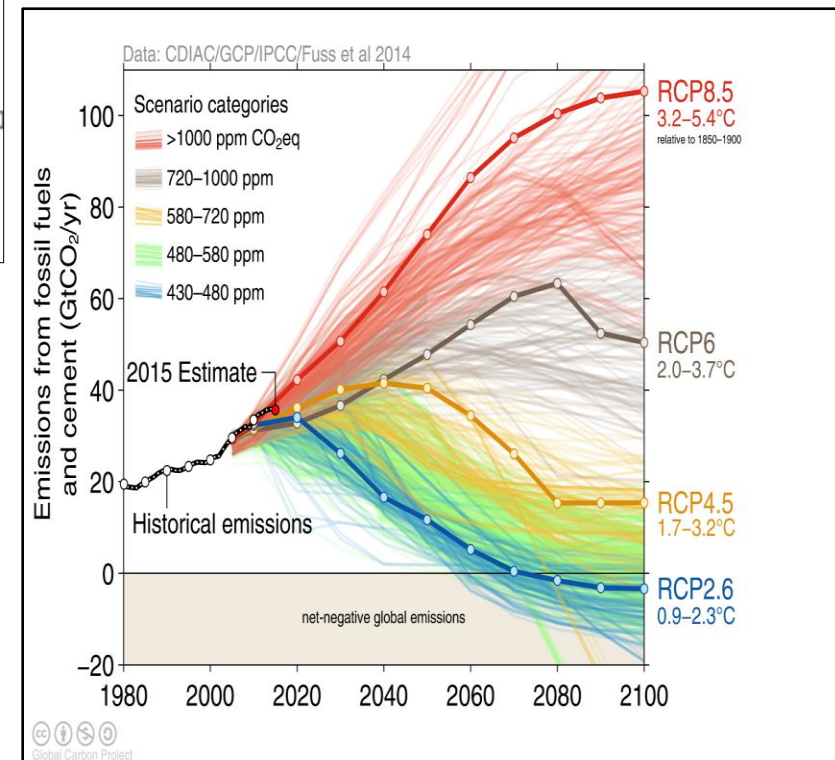
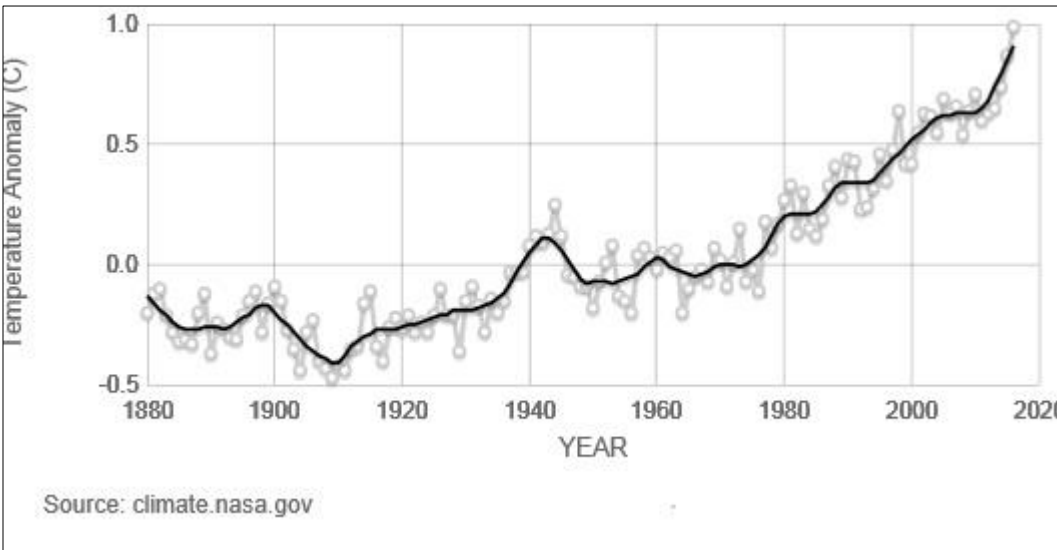
Emission Reduction Pathways



Services (including public sector)



Compliance with Science?



Compliance with Morality?



Nicholas Stern

Moral case to tackle climate change overwhelming, says Lord Stern

Rome conference speech describes inaction as discrimination that devalues lives of future generations



This article is 1 year old

0 114

Stephanie Kirchgaessner in Rome

Thursday 10 September 2015 14.00 BST



British economist and academic Nicholas Stern warned climate change could dislocate millions of people and result in widespread conflict and loss of life. Photograph: Francois Guillot/AFP/Getty Images

Failing to act on the grave threat posed by climate change devalues the lives of future generations and amounts to unacceptable “discrimination by date of birth”, according to the influential economist Lord Stern.

Failing to act on the grave threat posed by climate change devalues the lives of future generations and amounts to unacceptable “discrimination by date of birth”.

Legislative Compliance



Climate Change (Scotland) Act 2009

2009 asp 12

The Bill for this Act of the Scottish Parliament was passed by the Parliament on 24th June 2009 and received Royal Assent on 4th August 2009

An Act of the Scottish Parliament to set a target for the year 2050, an interim target for the year 2020, and to provide for annual targets, for the reduction of greenhouse gas emissions; to provide about the giving of advice to the Scottish Ministers relating to climate change; to confer power on Ministers to impose climate change duties on public bodies; to make further provision about mitigation of and adaptation to climate change; to make provision about energy efficiency, including provision enabling council tax discounts; to make provision about the reduction and recycling of waste; and for connected purposes.

PART 1

EMISSIONS REDUCTION TARGETS

The 2050 target

1 The 2050 target

- (1) The Scottish Ministers must ensure that the net Scottish emission 2050 is at least 80% lower than the baseline.
- (2) In this Act, the target set out in subsection (1) is known as the "2050 target".

The interim target

2 The interim target

- (1) The Scottish Ministers must ensure that the net Scottish emission 2020 is at least 42% lower than the baseline.
- (2) In this Act, the target set out in subsection (1) is known as the "interim target".

PART 4

DUTIES OF PUBLIC BODIES RELATING TO CLIMATE CHANGE

Duties of public bodies

44 Duties of public bodies relating to climate change

- (1) A public body must, in exercising its functions, act—
 - (a) in the way best calculated to contribute to the delivery of the targets set in or under Part 1 of this Act;
 - (b) in the way best calculated to help deliver any programme laid before the Scottish Parliament under section 53;
 - (c) in a way that it considers is most sustainable.

Required Reporting



Organisation Details

1 Organizational Profile

1a Name of organisation:
Provide the name of the organisation that is the subject of this report ("the organisation")

1b Type of the organisation:
Select from the options below:

1c Number of FTE staff in the organisation:

1d Alternative entities used by the organisation:
Specify any other entities that the organisation uses to deliver its programmes in relation to all media changes and sustainability (add more as required).

Entity	Entity	Value	Comments
Full-time employees	Number of full-time employees	0000	
Part-time employees	Number of part-time employees	0000	
Volunteers	Number of volunteers	0000	
Contractors	Number of contractors	0000	

1e Overall budget of the organisation:
Specify the overall budget for the report year:

1f Report Year:
Specify the report year e.g. 2012/2013

Governance

2 Governance, Management and Strategy

Governance and Management

2a How is climate change governed in the organisation?
Provide a summary of how the organisation's governance bodies and members include reference to adaptation, transport, business, waste, information and communication technology (ICT), procurement and behaviour change if this includes new climate change governance.

2b How is climate change managed and delivered by the organisation?
Provide a summary of how decision-making is managed and how responsibility is allocated to the organisation's senior staff, departmental heads, include reference to adaptation, transport, business, waste, ICT, procurement and behaviour change if this includes new climate change delivery structures.

Strategy

2c Does the organisation have specific climate change mitigation and adaptation objectives in its corporate plan or similar document?
Provide a brief summary of objectives if this exists.

Working objectives	Status of document

2d How is climate change action embedded across the organisation?
Provide a brief summary of how climate change action for mitigation and adaptation is embedded within the organisation's services, departments, etc.

Corporate Emissions

3 Corporate emissions, targets and project data

3a Emissions

Complete the table below using the greenhouse gas emissions for the organisation as stated in the same basis as to annual carbon footprint management reports, where applicable. Include details of any other greenhouse gas emissions from the organisation's waste and operations to transport and report in accordance with Scope 1 & 2 and, where applicable, Scope 3 of the Greenhouse Gas Protocol. If data is not available for any year from the start of the last year to the end of the report year, provide an indication in the comments column.

3b Information requested for the report of the organisation's emissions and how to make an indication:

3c To be the Greenhouse Gas Protocol as specified by the Greenhouse Gas Protocol and the Greenhouse Gas Protocol Development Group's guidance for how to measure, manage and report greenhouse gas emissions.

Reference year	Year	Net type	Scope 1	Scope 2	Scope 3	Total	Units	Comments
2010-11	2010-11	Physical (Scope 1)	1000	400	50	1450	CO2e	Scope 3 emissions include 1000
2011-12	2011-12	Physical (Scope 1)	1100	450	50	1600	CO2e	Scope 3 emissions include 1100
2012-13	2012-13	Physical (Scope 1)	1200	500	50	1750	CO2e	Scope 3 emissions include 1200
2013-14	2013-14	Physical (Scope 1)	1300	550	50	1900	CO2e	Scope 3 emissions include 1300
2014-15	2014-15	Physical (Scope 1)	1400	600	50	2050	CO2e	Scope 3 emissions include 1400
2015-16	2015-16	Physical (Scope 1)	1500	650	50	2200	CO2e	Scope 3 emissions include 1500
2016-17	2016-17	Physical (Scope 1)	1600	700	50	2350	CO2e	Scope 3 emissions include 1600
2017-18	2017-18	Physical (Scope 1)	1700	750	50	2500	CO2e	Scope 3 emissions include 1700
2018-19	2018-19	Physical (Scope 1)	1800	800	50	2650	CO2e	Scope 3 emissions include 1800
2019-20	2019-20	Physical (Scope 1)	1900	850	50	2800	CO2e	Scope 3 emissions include 1900
2020-21	2020-21	Physical (Scope 1)	2000	900	50	2950	CO2e	Scope 3 emissions include 2000
2021-22	2021-22	Physical (Scope 1)	2100	950	50	3100	CO2e	Scope 3 emissions include 2100
2022-23	2022-23	Physical (Scope 1)	2200	1000	50	3250	CO2e	Scope 3 emissions include 2200

3d Breakdown of emissions:
Complete the table below with the breakdown of emissions from the organisation's most recent greenhouse gas emissions (carbon footprint), this should correspond to the data in the table above. Use the emissions to report on the table below to provide a breakdown of emissions and how to make an indication. If it is not possible to provide a breakdown of emissions, provide an indication in the comments column.

3e Breakdown of emissions by sector:
Complete the table below with the breakdown of emissions from the organisation's most recent greenhouse gas emissions (carbon footprint), this should correspond to the data in the table above. Use the emissions to report on the table below to provide a breakdown of emissions and how to make an indication. If it is not possible to provide a breakdown of emissions, provide an indication in the comments column.

Adaptation

4 Adaptation: Assessing and managing risk

4a Has the organisation assessed current and future climate-related risks?
If yes, provide a reference or link to any such risk assessment(s).

4b What arrangements does the organisation have in place to manage climate-related risks?
Provide details of any climate change adaptation risk management procedures, strategies, action plans and any adaptation policies and actions included across policy areas.

Taking action

4c What action has the organisation taken to adapt to climate change?
Include details of work to increase awareness of the need to adapt to climate change and build the capacity of staff and stakeholders to assess risk and implement action.

4d Where applicable, what progress has the organisation made in delivering the policies and proposals referenced N1, N2, N3, N4, N5, N6, N7, N8, N9, N10, N11, N12, N13, N14, N15, N16, N17, N18, N19, N20, N21, N22, N23, N24, N25, N26, N27, N28, N29, N30, N31, N32, N33, N34, N35, N36, N37, N38, N39, N40, N41, N42, N43, N44, N45, N46, N47, N48, N49, N50, N51, N52, N53, N54, N55, N56, N57, N58, N59, N60, N61, N62, N63, N64, N65, N66, N67, N68, N69, N70, N71, N72, N73, N74, N75, N76, N77, N78, N79, N80, N81, N82, N83, N84, N85, N86, N87, N88, N89, N90, N91, N92, N93, N94, N95, N96, N97, N98, N99, N100, N101, N102, N103, N104, N105, N106, N107, N108, N109, N110, N111, N112, N113, N114, N115, N116, N117, N118, N119, N120, N121, N122, N123, N124, N125, N126, N127, N128, N129, N130, N131, N132, N133, N134, N135, N136, N137, N138, N139, N140, N141, N142, N143, N144, N145, N146, N147, N148, N149, N150, N151, N152, N153, N154, N155, N156, N157, N158, N159, N160, N161, N162, N163, N164, N165, N166, N167, N168, N169, N170, N171, N172, N173, N174, N175, N176, N177, N178, N179, N180, N181, N182, N183, N184, N185, N186, N187, N188, N189, N190, N191, N192, N193, N194, N195, N196, N197, N198, N199, N200, N201, N202, N203, N204, N205, N206, N207, N208, N209, N210, N211, N212, N213, N214, N215, N216, N217, N218, N219, N220, N221, N222, N223, N224, N225, N226, N227, N228, N229, N230, N231, N232, N233, N234, N235, N236, N237, N238, N239, N240, N241, N242, N243, N244, N245, N246, N247, N248, N249, N250, N251, N252, N253, N254, N255, N256, N257, N258, N259, N260, N261, N262, N263, N264, N265, N266, N267, N268, N269, N270, N271, N272, N273, N274, N275, N276, N277, N278, N279, N280, N281, N282, N283, N284, N285, N286, N287, N288, N289, N290, N291, N292, N293, N294, N295, N296, N297, N298, N299, N300, N301, N302, N303, N304, N305, N306, N307, N308, N309, N310, N311, N312, N313, N314, N315, N316, N317, N318, N319, N320, N321, N322, N323, N324, N325, N326, N327, N328, N329, N330, N331, N332, N333, N334, N335, N336, N337, N338, N339, N340, N341, N342, N343, N344, N345, N346, N347, N348, N349, N350, N351, N352, N353, N354, N355, N356, N357, N358, N359, N360, N361, N362, N363, N364, N365, N366, N367, N368, N369, N370, N371, N372, N373, N374, N375, N376, N377, N378, N379, N380, N381, N382, N383, N384, N385, N386, N387, N388, N389, N390, N391, N392, N393, N394, N395, N396, N397, N398, N399, N400, N401, N402, N403, N404, N405, N406, N407, N408, N409, N410, N411, N412, N413, N414, N415, N416, N417, N418, N419, N420, N421, N422, N423, N424, N425, N426, N427, N428, N429, N430, N431, N432, N433, N434, N435, N436, N437, N438, N439, N440, N441, N442, N443, N444, N445, N446, N447, N448, N449, N450, N451, N452, N453, N454, N455, N456, N457, N458, N459, N460, N461, N462, N463, N464, N465, N466, N467, N468, N469, N470, N471, N472, N473, N474, N475, N476, N477, N478, N479, N480, N481, N482, N483, N484, N485, N486, N487, N488, N489, N490, N491, N492, N493, N494, N495, N496, N497, N498, N499, N500, N501, N502, N503, N504, N505, N506, N507, N508, N509, N510, N511, N512, N513, N514, N515, N516, N517, N518, N519, N520, N521, N522, N523, N524, N525, N526, N527, N528, N529, N530, N531, N532, N533, N534, N535, N536, N537, N538, N539, N540, N541, N542, N543, N544, N545, N546, N547, N548, N549, N550, N551, N552, N553, N554, N555, N556, N557, N558, N559, N560, N561, N562, N563, N564, N565, N566, N567, N568, N569, N570, N571, N572, N573, N574, N575, N576, N577, N578, N579, N580, N581, N582, N583, N584, N585, N586, N587, N588, N589, N590, N591, N592, N593, N594, N595, N596, N597, N598, N599, N600, N601, N602, N603, N604, N605, N606, N607, N608, N609, N610, N611, N612, N613, N614, N615, N616, N617, N618, N619, N620, N621, N622, N623, N624, N625, N626, N627, N628, N629, N630, N631, N632, N633, N634, N635, N636, N637, N638, N639, N640, N641, N642, N643, N644, N645, N646, N647, N648, N649, N650, N651, N652, N653, N654, N655, N656, N657, N658, N659, N660, N661, N662, N663, N664, N665, N666, N667, N668, N669, N670, N671, N672, N673, N674, N675, N676, N677, N678, N679, N680, N681, N682, N683, N684, N685, N686, N687, N688, N689, N690, N691, N692, N693, N694, N695, N696, N697, N698, N699, N700, N701, N702, N703, N704, N705, N706, N707, N708, N709, N710, N711, N712, N713, N714, N715, N716, N717, N718, N719, N720, N721, N722, N723, N724, N725, N726, N727, N728, N729, N730, N731, N732, N733, N734, N735, N736, N737, N738, N739, N740, N741, N742, N743, N744, N745, N746, N747, N748, N749, N750, N751, N752, N753, N754, N755, N756, N757, N758, N759, N760, N761, N762, N763, N764, N765, N766, N767, N768, N769, N770, N771, N772, N773, N774, N775, N776, N777, N778, N779, N780, N781, N782, N783, N784, N785, N786, N787, N788, N789, N790, N791, N792, N793, N794, N795, N796, N797, N798, N799, N800, N801, N802, N803, N804, N805, N806, N807, N808, N809, N810, N811, N812, N813, N814, N815, N816, N817, N818, N819, N820, N821, N822, N823, N824, N825, N826, N827, N828, N829, N830, N831, N832, N833, N834, N835, N836, N837, N838, N839, N840, N841, N842, N843, N844, N845, N846, N847, N848, N849, N850, N851, N852, N853, N854, N855, N856, N857, N858, N859, N860, N861, N862, N863, N864, N865, N866, N867, N868, N869, N870, N871, N872, N873, N874, N875, N876, N877, N878, N879, N880, N881, N882, N883, N884, N885, N886, N887, N888, N889, N890, N891, N892, N893, N894, N895, N896, N897, N898, N899, N900, N901, N902, N903, N904, N905, N906, N907, N908, N909, N910, N911, N912, N913, N914, N915, N916, N917, N918, N919, N920, N921, N922, N923, N924, N925, N926, N927, N928, N929, N930, N931, N932, N933, N934, N935, N936, N937, N938, N939, N940, N941, N942, N943, N944, N945, N946, N947, N948, N949, N950, N951, N952, N953, N954, N955, N956, N957, N958, N959, N960, N961, N962, N963, N964, N965, N966, N967, N968, N969, N970, N971, N972, N973, N974, N975, N976, N977, N978, N979, N980, N981, N982, N983, N984, N985, N986, N987, N988, N989, N990, N991, N992, N993, N994, N995, N996, N997, N998, N999, N1000, N1001, N1002, N1003, N1004, N1005, N1006, N1007, N1008, N1009, N1010, N1011, N1012, N1013, N1014, N1015, N1016, N1017, N1018, N1019, N1020, N1021, N1022, N1023, N1024, N1025, N1026, N1027, N1028, N1029, N1030, N1031, N1032, N1033, N1034, N1035, N1036, N1037, N1038, N1039, N1040, N1041, N1042, N1043, N1044, N1045, N1046, N1047, N1048, N1049, N1050, N1051, N1052, N1053, N1054, N1055, N1056, N1057, N1058, N1059, N1060, N1061, N1062, N1063, N1064, N1065, N1066, N1067, N1068, N1069, N1070, N1071, N1072, N1073, N1074, N1075, N1076, N1077, N1078, N1079, N1080, N1081, N1082, N1083, N1084, N1085, N1086, N1087, N1088, N1089, N1090, N1091, N1092, N1093, N1094, N1095, N1096, N1097, N1098, N1099, N1100, N1101, N1102, N1103, N1104, N1105, N1106, N1107, N1108, N1109, N1110, N1111, N1112, N1113, N1114, N1115, N1116, N1117, N1118, N1119, N1120, N1121, N1122, N1123, N1124, N1125, N1126, N1127, N1128, N1129, N1130, N1131, N1132, N1133, N1134, N1135, N1136, N1137, N1138, N1139, N1140, N1141, N1142, N1143, N1144, N1145, N1146, N1147, N1148, N1149, N1150, N1151, N1152, N1153, N1154, N1155, N1156, N1157, N1158, N1159, N1160, N1161, N1162, N1163, N1164, N1165, N1166, N1167, N1168, N1169, N1170, N1171, N1172, N1173, N1174, N1175, N1176, N1177, N1178, N1179, N1180, N1181, N1182, N1183, N1184, N1185, N1186, N1187, N1188, N1189, N1190, N1191, N1192, N1193, N1194, N1195, N1196, N1197, N1198, N1199, N1200, N1201, N1202, N1203, N1204, N1205, N1206, N1207, N1208, N1209, N1210, N1211, N1212, N1213, N1214, N1215, N1216, N1217, N1218, N1219, N1220, N1221, N1222, N1223, N1224, N1225, N1226, N1227, N1228, N1229, N1230, N1231, N1232, N1233, N1234, N1235, N1236, N1237, N1238, N1239, N1240, N1241, N1242, N1243, N1244, N1245, N1246, N1247, N1248, N1249, N1250, N1251, N1252, N1253, N1254, N1255, N1256, N1257, N1258, N1259, N1260, N1261, N1262, N1263, N1264, N1265, N1266, N1267, N1268, N1269, N1270, N1271, N1272, N1273, N1274, N1275, N1276, N1277, N1278, N1279, N1280, N1281, N1282, N1283, N1284, N1285, N1286, N1287, N1288, N1289, N1290, N1291, N1292, N1293, N1294, N1295, N1296, N1297, N1298, N1299, N1300, N1301, N1302, N1303, N1304, N1305, N1306, N1307, N1308, N1309, N1310, N1311, N1312, N1313, N1314, N1315, N1316, N1317, N1318, N1319, N1320, N1321, N1322, N1323, N1324, N1325, N1326, N1327, N1328, N1329, N1330, N1331, N1332, N1333, N1334, N1335, N1336, N1337, N1338, N1339, N1340, N1341, N1342, N1343, N1344, N1345, N1346, N1347, N1348, N1349, N1350, N1351, N1352, N1353, N1354, N1355, N1356, N1357, N1358, N1359, N1360, N1361, N1362, N1363, N1364, N1365, N1366, N1367, N1368, N1369, N1370, N1371, N1372, N1373, N1374, N1375, N1376, N1377, N1378, N1379, N1380, N1381, N1382, N1383, N1384, N1385, N1386, N1387, N1388, N1389, N1390, N1391, N1392, N1393, N1394, N1395, N1396, N1397, N1398, N1399, N1400, N1401, N1402, N1403, N1404, N1405, N1406, N1407, N1408, N1409, N1410, N1411, N1412, N1413, N1414, N1415, N1416, N1417, N1418, N1419, N1420, N1421, N1422, N1423, N1424, N1425, N1426, N1427, N1428, N1429, N1430, N1431, N1432, N1433, N1434, N1435, N1436, N1437, N1438, N1439, N1440, N1441, N1442, N1443, N1444, N1445, N1446, N1447, N1448, N1449, N1450, N1451, N1452, N1453, N1454, N1455, N1456, N1457, N1458, N1459, N1460, N1461, N1462, N1463, N1464, N1465, N1466, N1467, N1468, N1469, N1470, N1471, N1472, N1473, N1474, N1475, N1476, N1477, N1478, N1479, N1480, N1481, N1482, N1483, N1484, N1485, N1486, N1487, N1488, N1489, N1490, N1491, N1492, N1493, N1494, N1495, N1496, N1497, N1498, N1499, N1500, N1501, N1502, N1503, N1504, N1505, N1506, N1507, N1508, N1509, N1510, N1511, N1512, N1513, N1514, N1515, N1516, N1517, N1518, N1519, N1520, N1521, N1522, N1523, N1524, N1525, N1526, N1527, N1528, N1529, N1530, N1531, N1532, N1533, N1534, N1535, N1536, N1537, N1538, N1539, N1540, N1541, N1542, N1543, N1544, N1545, N1546, N1547, N1548, N1549, N1550, N1551, N1552, N1553, N1554, N1555, N1556, N1557, N1558, N1559, N1560, N1561, N1562, N1563, N1564, N1565, N1566, N1567, N1568, N1569, N1570, N1571, N1572, N1573, N1574, N1575, N1576, N1577, N1578, N1579, N1580, N1581, N1582, N1583, N1584, N1585, N1586, N1587, N1588, N1589, N1590, N1591, N1592, N1593, N1594, N1595, N1596, N1597, N1598, N1599, N1600, N1601, N1602, N1603, N1604, N1605, N1606, N1607, N1608, N1609, N1610, N1611, N1612, N1613, N1614, N1615, N1616, N1617, N1618, N1619, N1620, N1621, N1622, N1623, N1624, N1625, N1626, N1627, N1628, N1629, N1630, N1631, N1632, N1633, N1634, N1635, N1636, N1637, N1638, N1639, N1640, N1641, N1642, N1643, N1644, N1645, N1646, N1647, N1648, N1649, N1650, N1651, N1652, N1653, N1654, N1655, N1656, N1657, N1658, N1659, N1660, N1661, N1662, N1663, N1664, N1665, N1666, N1667, N1668, N1669, N1670, N1671, N1672, N1673, N1674, N1675, N1676, N1677, N1678, N1679, N1680, N1681, N1682, N1683, N1684, N1685, N1686, N1687, N1688, N1689, N1690, N1691, N1692, N1693, N1694, N1695, N1696, N1697, N1698, N1699, N1700, N1701, N1702, N1703, N1704, N1705, N1706, N1707, N1708, N1709, N1710, N1711, N1

Recommended Reporting

Recommended Reporting: Reporting on Wider Influence												
Wider Impact and Influence on GHG Emissions												
1 Historic Emissions (Local Authorities Only) Please indicate emission amounts and unit of measurement (e.g. tCO ₂ e) and years. Please provide information on the following components using data from the links provided below. Please use (1) as the default unless targets and actions relate to (2). (1) UK local and regional CO ₂ emissions: subset dataset (emissions within the scope of influence of local authorities). (2) UK local and regional CO ₂ emissions: full dataset .												
Table 1												
Local Authority:	East Dunbartonshire											
DECC Dataset:	(1) Subset dataset											
Source	Sector	2005	2006	2007	2008	2009	2010	2011	2012	2013	Units	Comments
DECC Sectors	Total Emissions	597.33	601.18	601.93	576.23	518.81	545.71	502.27	509.38	496.23	ktCO ₂	
	Industry and Commercial	160.16	163.61	176.21	152.08	126.32	138.11	133.68	125.94	120.21	ktCO ₂	
	Domestic	302.96	298.25	289.09	292.24	263.03	280.88	244.94	262.38	257.65	ktCO ₂	
	Transport total	134.21	133.32	136.62	131.91	129.46	126.73	123.65	121.06	118.38	ktCO ₂	
	Per Capita	5.63	5.63	5.73	5.49	4.94	5.20	4.78	4.81	4.63	tCO ₂	
Other Sectors	Waste										tCO ₂ e	
	N. LULUCF Net Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	ktCO ₂	
	Other (specify in 'Comments')										tCO ₂ e	e.g. Livestock

- Wider Impact and Influence on GHG Emissions
- Actions to reduce GHG Emissions beyond own boundaries
- Partnership, behaviour change, communication & capacity building
- Biodiversity, water use & resource consumption

➤ Sustainable Energy Action Plans

Covenant of Mayors
Committed to local sustainable energy



Early Findings from Analysis

2015/16 Climate Change Reporting



Total Major Players >> 150

<i>Sub-sector</i>	<i>Number of reports received</i>	<i>% of total Major Players</i>	<i>% of subsector</i>
Local Government	32	21.3%	100.0%
National Health	18	12.0%	94.7%
Educational	42	28.0%	95.5%
Transport	7	4.7%	100.0%
Others	46	30.7%	95.8%
Total	145	96.7%	-

- 145 reports submitted and accepted (97% of all major players)
- All but two Higher Education Institutions (HEIs) were compliant (95.5%)

2015/16 Climate Change Reporting



Governance

- Out of the 42 responses, **33 (79%) currently have a governance structure in place.**
 - These varied in complexity. Very few stated specifically who had overall responsibility for climate change governance arrangements in place (e.g. Board level).

Adaptation

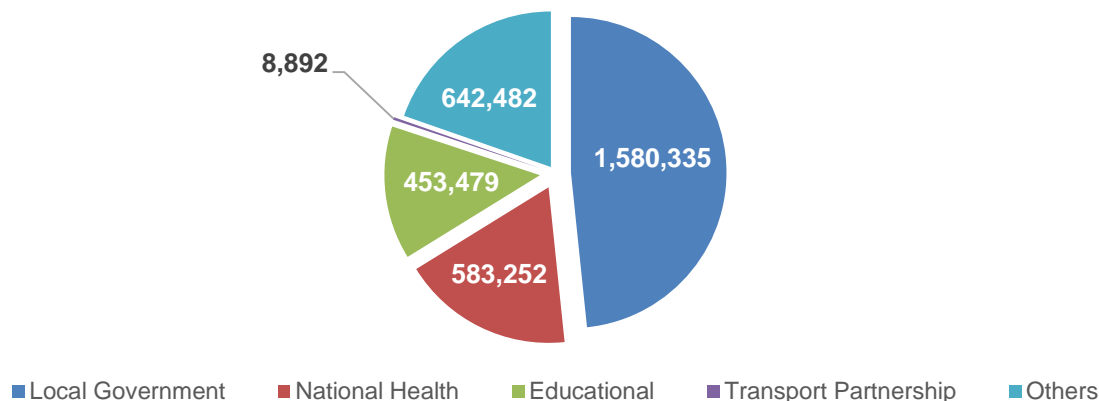
- The majority of education institutions, **27 out of 42, have not conducted any formal risk assessment for current or future risk**, but the majority, **22 out of 42, have started or have taken action to adapt** to climate change including installing green infrastructure, participated in adaptation training or incorporated SUDS into their estate.

Procurement

- **31 (74%) of institutions** indicated that they **have a procurement policy or strategy** in operation.
- **6 were able to provide an explanation of how their procurement policy has contributed to compliance with climate change duties** with examples of where policy has delivered on climate change aims or produced a material reduction in emissions

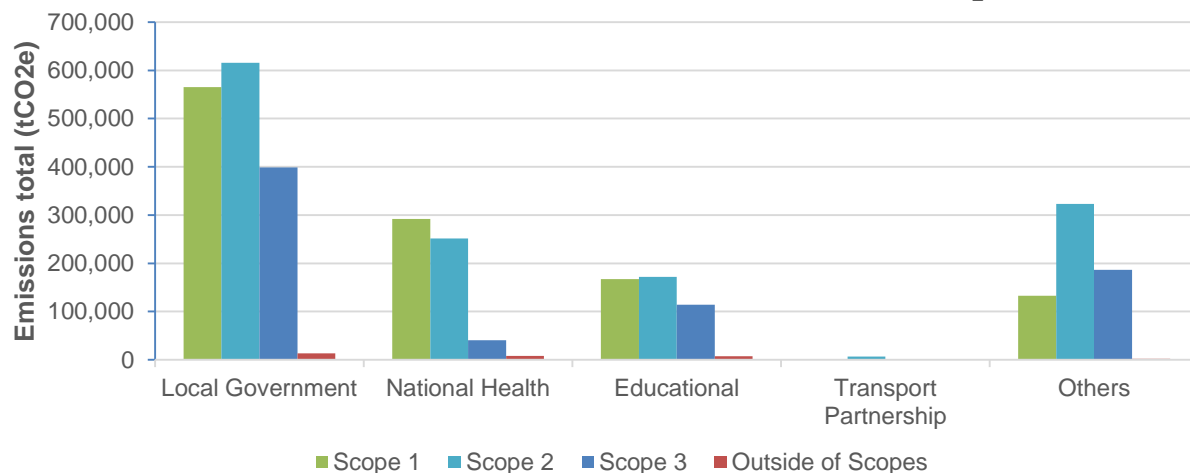
2015/16 Climate Change Reporting

Total Emissions by sub-sector (tCO₂e)



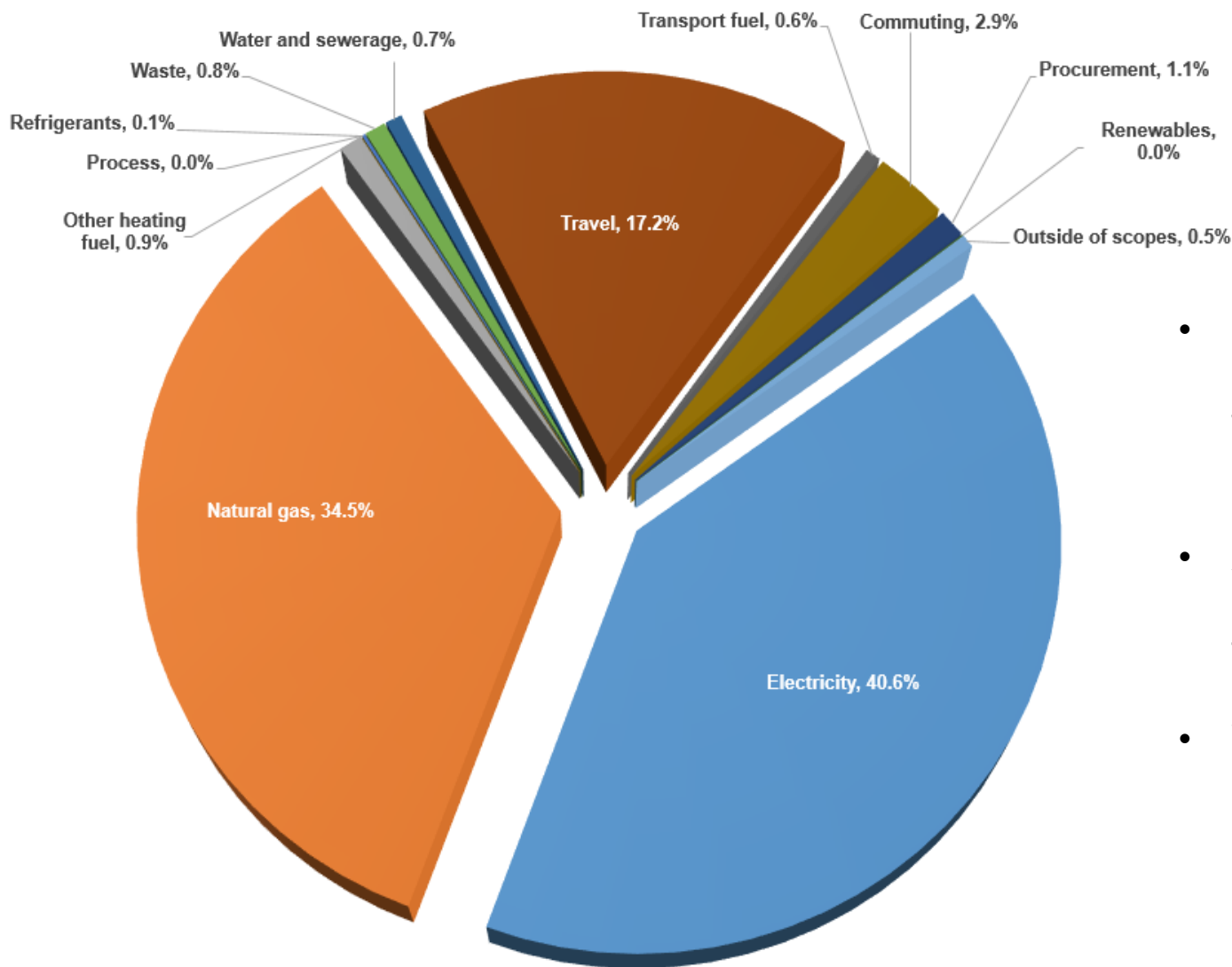
- Education sector the second smallest sector in terms of emissions
- 14% of public sector emissions come from HEIs

Total Emissions by scope (tCO₂e)



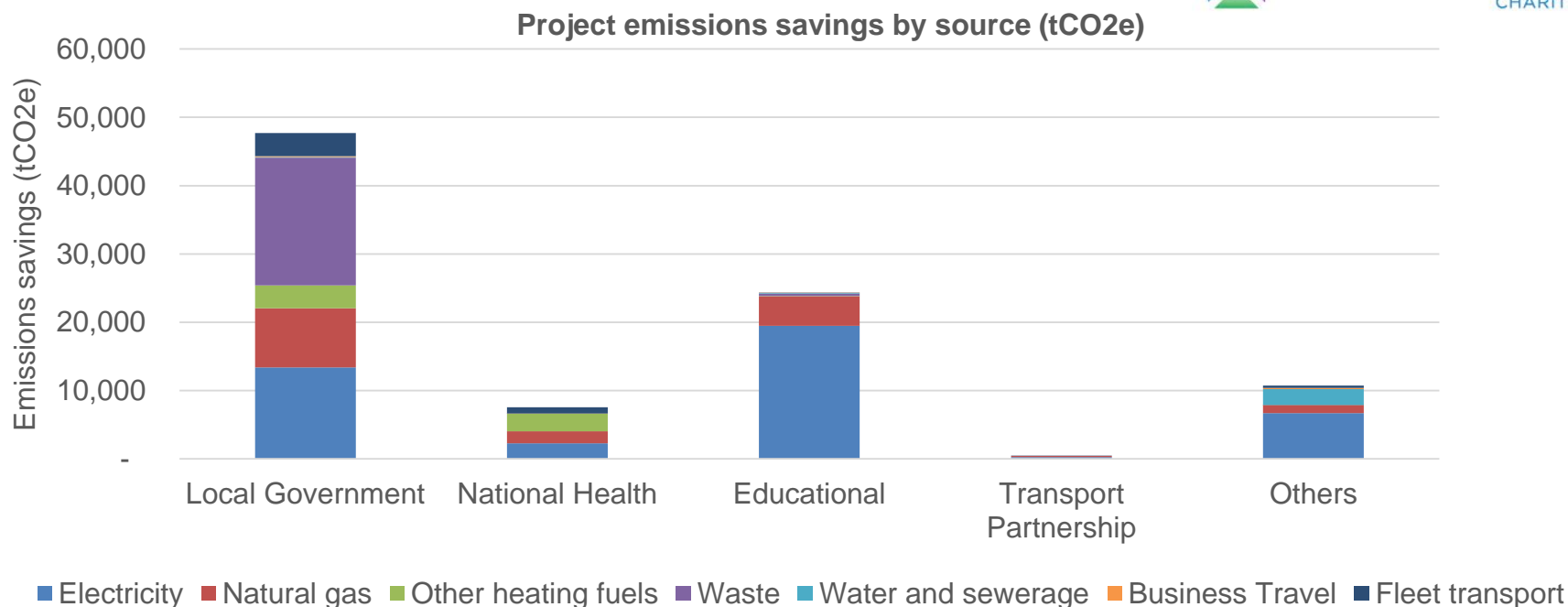
Scope	HEI Emissions (tCO ₂ e)
Scope 1	167,328
Scope 2	172,064
Scope 3	114,087
Outside of Scopes	7,497
Total (42 reports)	453,479

2015/16 Climate Change Reporting



- 75% of educational carbon footprint comes from natural gas and electricity (i.e. utilities)
- Around 20% of emissions come from transport
- Waste emissions (<1%) clearly being under reported due to an assumed lack of recording mechanisms

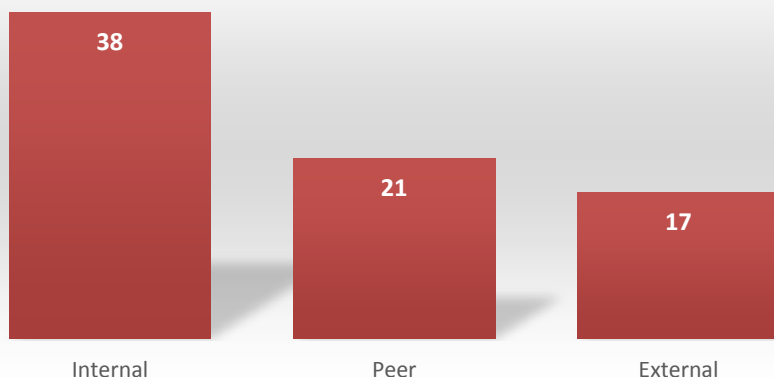
2015/16 Climate Change Reporting



- Education sector saving more emissions via mitigation projects (as a % of total footprint) than any other sector.
- Also leading the way in reducing emissions via electricity mitigation projects (largely due to high no. of Solar PV installations)

2015/16 Climate Change Reporting

Validation Process - Education Sector



Internal Validation Process included:

Cross checked against CRC audits (or similar) = 18

Management review = 16

Committee / Internal Group or Board = 7

Internal Audit = 3

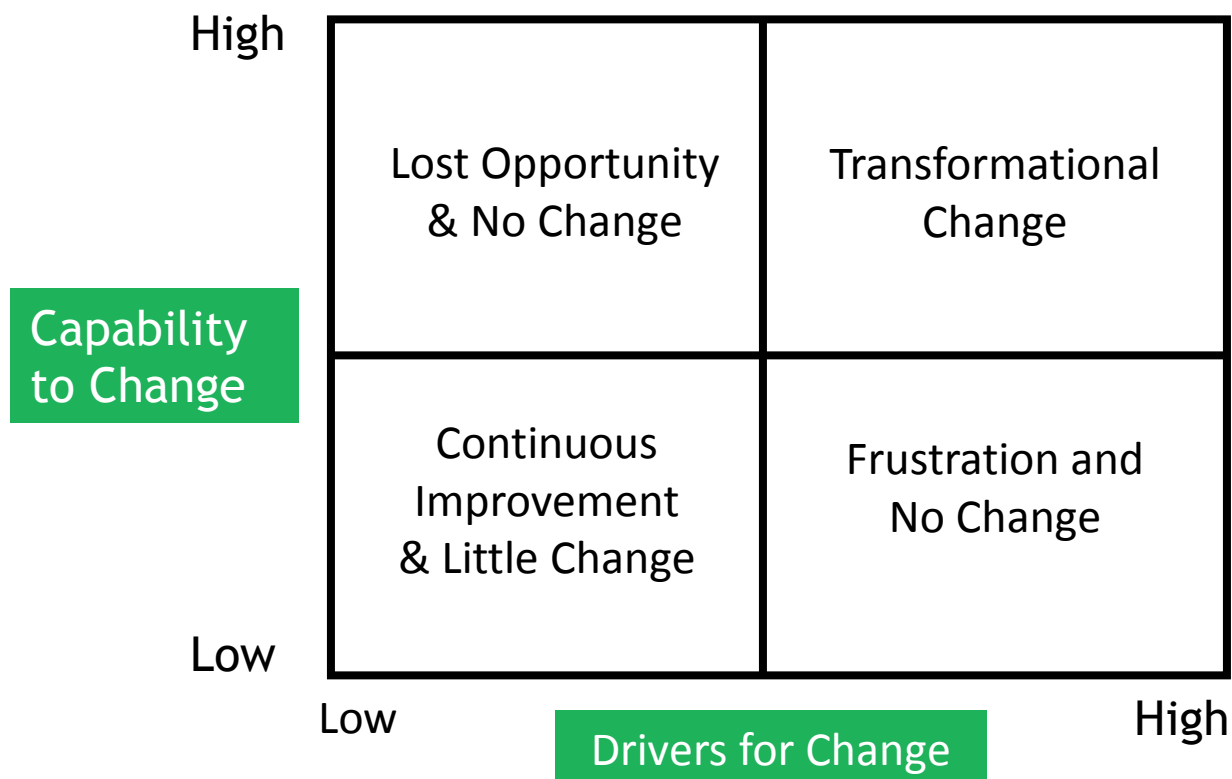
Internal peer review = 4

Internal Member of staff only = 3

Recommended Reporting

Completed by 10 of the education bodies, mainly universities detailing a wide range of partnership projects including community growing, installing cycling infrastructure and skill share energy projects with students.

Change Framework



Transformational Change



Business/Line Ownership & Accountability
Broad Communications
& Employee Involvement/Ownership
Training, Frameworks & Tools

CEO Commitment/FELT Leadership
Integrated, Inspiring Vision
& Clear Business Value
Bold Goals with Clear Metrics
Heroes & Rewards

Opportunities Ahead



Using Reports to inform change and to identify and share good practice

- Common data sets used to inform policy and practice
- Improved climate and carbon literacy within the public sector

Climate Change Plan

- New targets, policies, investment and monitoring

SSN-EAUC Collaboration

- Climate Change Plan; Reporting; Behaviours, Engagement, Leadership
- Public Sector collaboration, partnership and alignment

Wider Influence and Regional/Area-based partnerships and projects

- Horizontal alignment across the public sector and with other sectors & communities – co-benefits.
- Area-based and regional collaborations

Thanks

george.tarvit@keepscotlandbeautiful.org