Section	Ratio ID	Ratio name	Formula	No of DP	Unit	Numerator description	Numerator	Denominator description	Denominator
Key Ratios		<u> </u>						<u> </u>	
Linking property to business	042C01S03R03	HEP income per metre <sup>2</sup> of net internal area	A/B	0	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.NetInte rnalArea.Total NIA	F_XUP_SMNIAT
Analysis of maintenance	042C01S06R01	Maintenance costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FRMCT	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
Energy costs, consumption and emissions	042C01S07R01	Energy costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
Water costs and consumption	042C01S08R05	Water consumption per student and staff FTE	A/(B+(C- D))	2		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Total water consumption	F_EWCONTO T	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT E.Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))
Water costs and consumption	042C01S08R08	Water consumption per HE student and staff FTE	A/(B+C+( D-E))	2		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Total water consumption			(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))
Waste	042C01S09R04	Waste mass per student and staff FTE	A/(B+(C- D))	3		EnvironmentEnergyEmissionsan dWaste.WasteMass.Total waste mass	F_EWMT	E-Residential staff FTE) StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT E.Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))
Waste	042C01S09R06	Waste mass per HE student and staff FTE	A/(B+C+( D-E))	3		EnvironmentEnergyEmissionsan dWaste.WasteMass.Total waste mass	F_EWMT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))
Space allocation	042C13S02R12	Gross internal area in metre <sup>2</sup> per student and staff full-time equivalent (FTE)	A/(B+(C- D))	1	m²	SpaceMeasurement.GrossIntern alArea.Non-residential GIA	F_SMGIANR	E.Residential staff FTE) StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT E.Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))
Space allocation	042C13S02R13	Gross internal area in metre <sup>2</sup> per HE student and staff full-time equivalent (FTE)	A/(B+C+( D-E))	1	m²	SpaceMeasurement.GrossIntern alArea.Non-residential GIA	F_SMGIANR		(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))
Condition and suitability	042C13S03R01	Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.ConditionAssessmentDefinition.Non-residential Building Condition Assessment Condition Aplus BuildingsandFunctionality.ConditionAssessmentDefinition.Non-residential Building ConditionAssessment Condition B	F_BNRADCA + F_BNRADCB		
Condition and suitability	042C13S03R07	Proportion of space with functional suitability grades 1 and 2	A+B	1	%	BuildingsandFunctionality.Functio nalSuitability.Non-residential functional suitability grade 1 plus BuildingsandFunctionality.Functio nalSuitability.Non-residential functional suitability grade 2	F_BNRFSG1 + F_BNRFSG2		

Condition and suitability	042C13S03R08	Cost to upgrade condition C and D to B as a proportion of total non- residential income	(100*(A+B ))/C	1	%	BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential building Condition Assessment cost to upgrade Condition D to B plus BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Nonresidential Building Condition Assessment cost to upgrade Condition C to B		Finance.Income.HESA supplied non-residential income total	F_FINRIT
Linking property to business	042C13S05R01	Ratio of total Property costs to HEP income	A/B	3		Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	Finance.Income.HESA supplied non-residential income total	F_FINRIT
Linking property to business	042C13S05R17	Insurance replacement value as a percentage of Non-residential income	(100*A)/B		%	BuildingsandFunctionality.Insuran ceReplacementValue.Non- residential insurance replacement value	F_BNRIRV	Finance.Income.HESA supplied non-residential income total	F_FINRIT
Utilisation ratios	042C13S06R01	Total non-residential net internal area per student FTE	A/(B+C+D )	1		SpaceMeasurement.NetInternalA rea.Non-residential NIA total	F_XUP_SMNI ANRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE.FE student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Total property costs	042C13S07R01	Total property costs per metre <sup>2</sup> of net internal area	A/B	2	£	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	
Total property costs	042C13S07R03	Total property costs per student FTE	A/(B+C+D )	2	ε	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO		F_STFTETE + F_STFTERE + F_STFTEFE
Analysis of maintenance	042C13S09R13	Expenditure on major and minor capital works and recurrent repairs and maintenance as a percentage of insurance replacement value	A/(B+C)	2	ε	BuildingsandFunctionality.Insuran ceReplacementValue.Non-residential insurance replacement value	F_BNRIRV	Finance.CapitalExpenditure Buildings.HESA supplied non-residential capital expenditure buildings plus Finance.RepairsandMainten anceCosts.HESA supplied repairs and maintenance costs other operating expenses	F_FNRCEX + F_FRMCOOE
Energy costs, consumption and emissions	042C13S10R13	Scope 1 and 2 carbon emissions per HEP total non-residential income	A/(10*B)	2		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	Finance.Income.HESA supplied non-residential income total	F_FINRIT
Energy costs, consumption and emissions	042C13S10R14	Scope 1 and 2 carbon emissions per student and staff full-time equivalent (FTE)	A/(1000*( B+(C-D)))	1		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.Total student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT E.Residential staff FTE)	(F_STFTET + (F_SFFTET - F_SFRFTET))
Energy costs, consumption and emissions	042C13S10R18	Scope 1 and 2 carbon emissions per HE student and staff full-time equivalent (FTE)	A/(1000*( B+C+(D- E)))	1		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus (StudentStaffCounts.StaffFT E.Total staff FTE minus StudentStaffCounts.StaffFT E.Residential staff FTE)	(F_STFTETE + F_STFTERE + (F_SFFTET - F_SFRFTET))
Linking property to business	042C14S04R05	HEP income per bedspace	A/B	2	£	Finance.Income.HESA supplied residences and catering income	F_FIRI	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS
Utilisation ratios	042C14S05R06	Total property costs per bedspace	A/B	2	£	Finance.PropertyCosts.Residenti al property costs	F_FRPCO	SpaceMeasurement.Number ofBedSpaces.Residential number of bed spaces	F_SMRNBS
Total HEP									
Estate structu Estate	042C01S01R03	Ratio of net internal area	A/B	3		SpaceMeasurement.NetInternalA	F_XUP_SMNI	SpaceMeasurement.GrossIn	F SMGIAT
structure		to grokss internal area			2/	rea.Total NIA	AT	ternalArea.Total GIA	
Estate structure Estate	042C01S01R04 042C01S01R07	Total non-residential net internal area as percentage of total net internal area  Ratio of net internal area	(100*A)/B A/B	3	<del></del>	SpaceMeasurement.NetInternalA rea.Non-residential NIA total SpaceMeasurement.NetInternalA	F_XUP_SMNI ANRT F_XUP_SMNI	SpaceMeasurement.NetInte rnalArea.Total NIA SpaceMeasurement.GrossIn	
structure		commercial space to gross internal area commercial space		,		rea.Total NIA commercial space	ACT	ternalArea.Total GIA commercial space	
Estate structure	042C01S01R08	Listed building coverage as percentage of gross internal area commercial space	(100*A)/B	11 9	%	BuildingsandFunctionality.ListedB uilding Coverage.Total listed building coverage	iBLBCT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	ISMGIACT
Capital expend	diture and value			1					1

						,		1	
Capital expenditure and value	042C01S02R07	Insurance replacement value per metre <sup>2</sup> of gross internal area commercial	A/B	2	£	BuildingsandFunctionality.Insuran ceReplacementValue.Total insurance replacement value	F_BTIRV	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
		space	<u> </u>					·	
	rty to business 042C01S03R01	Detic of total annual to	A/B	lo l		Firence Bronest Costs Total	E ETDOO	Tinana Income LIECA	E EUT
Linking property to business		Ratio of total property costs to HEP income		3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Income.HESA supplied total income	F_FIIT
Linking property to business	042C01S03R02	Ratio of total property costs to HEP Expenditure	A/B	3		Finance.PropertyCosts.Total property costs	F_FTPCO	Finance.Expenditure.HESA supplied total expenditure	F_FEXPT
Linking property to business	042C01S03R06	Total backlog affordability score	A/(B+C+D +E)	2		Finance.Income.HESA supplied total income	F_FIIT	Buildingsandfunctionality. ConditionAssessmentUpgrade Cost.Non-residential building condition assessment cost to upgrade condition D to B plus Buildingsandfunctionality. ConditionAssessmentUpgrade Cost.Non-residential building condition assessment cost to upgrade condition C to B plus Buildingsandfunctionality. ConditionAssessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition assessment cost to upgrade condition assessment cost to upgrade Cost.Residential building condition assessmentUpgrade Cost.Residential building condition assessmentUpgrade Cost.Residential building condition assessment cost to upgrade condition C to B	F_BNRAUDB + F_BNRAUCB + F_BRAUDB + F_BRAUCB
Linking property to business	042C01S03R07	Total income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied total income	F_FIIT	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
Linking property to business	042C01S03R08	Capital expenditure as % of HEP Income	(100*A)/B	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings	F_FCEXT	Finance.Income.HESA supplied total income	F_FIIT
Total property	costs								
Total property costs	042C01S04R01	Total property costs per metre <sup>2</sup> of net internal area	A/B	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	SpaceMeasurement.NetInte rnalArea.Total NIA	F_XUP_SMNIAT
Total property costs	042C01S04R03	Total property costs per student FTE	A/(B+C+D )	0	£	Finance.PropertyCosts.Total property costs	F_FTPCO	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Total property costs	042C01S04R08	Total property costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.PropertyCosts.Total property costs	F_FTPCO		F_SMGIAT
Component re	venue costs							·	
Component revenue costs	042C01S05R01	Operating costs per metre <sup>2</sup> of net internal area	(A+B+C+ D+E+F)/G	0	£	Finance.InsurancePremiumsand Contributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Tot al net service charge and miscellaneous PFI and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCost s.Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.CleaningCosts.Total cleaning costs	F_FIPCOT + F_FNSCTM + F_FECTOT + F_FWSCT + F_FWSCT + F_FRMCT + F_FCCT	SpaceMeasurement.NetInternalArea.Total NIA	F_XUP_SMNIAT

Component revenue costs  Component revenue costs	042C01S05R02	Operating costs per student FTE  Cleaning costs per metre <sup>2</sup> of net internal area	Ď+E+F)/( G+H+I)	2	£	Finance.InsurancePremiumsand Contributions.Total insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Tot al net service charge and miscellaneous PFI and PPP costs plus Finance.EnergyCosts.Total energy costs plus Finance.WaterandSewerageCost s.Total water and sewerage costs plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs plus Finance.CleaningCosts.Total cleaning costs Finance.CleaningCosts.Total cleaning costs		StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE  StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE  F_XUP_SMNIAT
	042C01S05R09	Total cleaning costs per	A/B	2 :	£	Finance.CleaningCosts.Total	F_FCCT	SpaceMeasurement.GrossIn	F_SMGIAT
revenue costs		metre <sup>2</sup> of gross internal area				cleaning costs		ternalArea.Total GIA	
	intenance 042C01S06R08	Grounds maintenance	A/B	0 1	£	Finance.RepairsandMaintenance	F_FRMCGT	SpaceMeasurement.Ground	F_SMGAT
maintenance		costs per grounds area				Costs.Total repairs and maintenance costs grounds		sArea.Total grounds area	
Analysis of maintenance	042C01S06R09	Playing fields maintenance costs per playing fields area	A/B	0	£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs playing fields	F_FRMCPFT	SpaceMeasurement.PlyingFi eldsArea.Total playing fields area	F_SMPFAT
Analysis of maintenance	042C01S06R15	Maintenance costs per metre <sup>2</sup> of gross internal area commercial space	A/B		£	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	1	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	
maintenance	042C01S06R16	% of HEPs' income spent on repairs and maintenance	,	1	%	Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs		Finance.Income.HESA supplied total income	F_FIIT
maintenance	042C01S06R17	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B)/C	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied total capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Total repairs and maintenance costs	F_FCEXT + F_FRMCT	BuildingsandFunctionality.In suranceReplacementValue. Total insurance replacement value	F_BTIRV
	consumption and 042C01S07R02	Energy costs per 100	(100*A)/B	2	£	Finance.EnergyCosts.Total	F_FECTOT	EnvironmentEnergyEmissio	F_EECTOT
consumption and emissions		kWh consumption	(10001)//2			energy costs		nsandWaste.EnergyConsu mption.Total energy consumption	
consumption and emissions	042C01S07R03	Electricity costs per 100 kWh consumption	(100°A)/(B +C+D)		£	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	EnvironmentEnergyEmissionsandWaste.EnergyConsumption.Energy consumption grid electricity plus EnvironmentEnergyEmissionsandWaste.EnergyConsumption.Energy consumption electricity consumed from onsite CHP plus EnvironmentEnergyEmissionsandWaste.EnergyConsumption.Energy consumption onsite photovoltaic	F_EEGELEC + F_EECELCHP + F_EECONPHO
Energy costs, consumption and emissions	042C01S07R04	Gas costs per 100 kWh consumption	(100 A)/(B +C+D+E)	2	£	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	EnvironmentEnergyEmissio msandWaste.EnergyConsu mption.Energy consumption compressed natural gas plus EnvironmentEnergyEmissio nsandWaste.EnergyConsumption.Energy consumption liquefied natural gas plus EnvironmentEnergyEmissio nsandWaste.EnergyConsumption.Energy consumption natural gas excluding that used as input for a CHP unit plus EnvironmentEnergyEmissio nsandWaste.EnergyConsumption.Energy consumption natural gas used as input for a CHP unit plus EnvironmentEnergyEmissio nsandWaste.EnergyConsumption.Energy consumption natural gas used as input for a CHP unit	F_EECLNGAS + F_EECLNGAS + F_EECNGSEX + F_EECNGCHP
Energy costs, consumption and emissions	042C01S07R05	Energy costs gas as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Total energy costs gas	F_FECGAST	Finance.EnergyCosts.Total energy costs	F_FECTOT

Energy costs, consumption and emissions	042C01S07R06	Energy costs electricity as percentage of total energy costs	(100*A)/B	1 9	6	Finance.EnergyCosts.Total energy costs electricity	F_FECELET	Finance.EnergyCosts.Total energy costs	F_FECTOT
Energy costs, consumption and emissions	042C01S07R07	Energy consumption kWh per metre <sup>2</sup> of gross internal area	A/B	0		EnvironmentEnergyEmissionsan dWaste.EnergyConsumption.Tot al energy consumption	F_EECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
Energy costs, consumption and emissions	042C01S07R08	Energy consumption kWh per student FTE	A/(B+C+D )	0		EnvironmentEnergyEmissionsan dWaste.EnergyConsumption.Tot al energy consumption	F_EECTOT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Energy costs, consumption and emissions	042C01S07R10	Notional energy emissions (kg CO <sub>2</sub> e) per metre <sup>2</sup> of gross internal area	A/B	0		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
Energy costs, consumption and emissions	042C01S07R11	Notional energy emissions (kg CO <sub>2</sub> e) per student FTE	A/(B+C+D )	0		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Total scope 1 and 2 carbon emissions	F_E12CET	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Energy costs, consumption and emissions	042C01S07R13	Energy costs per metre <sup>2</sup> of gross internal area commercial space	A/B	2 £	2	Finance.EnergyCosts.Total energy costs	F_FECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
Energy costs, consumption and emissions	042C01S07R14	Notional energy emissions (kg CO <sub>2</sub> e) per metre <sup>2</sup> of gross internal area commercial space	A/B	0		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Total scope 1 and 2 carbon emissions	F_E12CET	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
Energy costs, consumption and emissions	042C01S07R15	Energy consumption kWh per metre <sup>2</sup> of gross internal area commercial space	A/B	0		EnvironmentEnergyEmissionsan dWaste.EnergyConsumption.Tot al energy consumption	F_EECTOT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
	nd consumption							1-	
and	042C01S08R01	Water and sewerage costs per metre <sup>2</sup> of gross	A/B	2 £	2	Finance.WaterandSewerageCost s.Total water and sewerage costs	F_FWSCT	SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
consumption Water costs and consumption	042C01S08R03	internal area Water consumption (metre³) per metre² of gross internal area	A/B	1		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Total water consumption		SpaceMeasurement.GrossIn ternalArea.Total GIA	F_SMGIAT
	042C01S08R06	Water and sewerage costs per metre² of gross internal area commercial space	A/B	2 £		Finance.WaterandSewerageCost s.Total water and sewerage costs	F_FWSCT	SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
Water costs and consumption	042C01S08R07	Water consumption (metre³) per metre² of gross internal area commercial space	A/B	1		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Total water consumption		SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
Waste Waste	042C01S09R01	Waste mass (tonnes) per	A//RICID	2		EnvironmentEnergyEmissionsan	E EWAT	StudentStaffCounts.Student	E STETETE :
vvdste	0420010001001	student FTE	)	3		dWaste.WasteMass.Total waste mass	, _Evvivi		F_STFTERE + F_STFTEFE
Waste	042C01S09R02	Waste mass (tonnes) per metre <sup>2</sup> gross internal area		3		EnvironmentEnergyEmissionsan dWaste.WasteMass.Total waste mass	F_EWMT	SpaceMeasurement.GrossIn ternalArea.Total GIA	
Waste	042C01S09R03	Recycled waste proportion	(100*A)/B	1 9	6	EnvironmentEnergyEmissionsan dWaste.WasteMass.Total waste mass recycled	F_EWMRECT	EnvironmentEnergyEmissio nsandWaste.WasteMass.To tal waste mass	F_EWMT
Waste	042C01S09R05	Waste mass (tonnes) per metre² gross internal area commercial space	A/B	3		mass recycled EnvironmentEnergyEmissionsan dWaste.WasteMass.Total waste mass	F_EWMT	tal waste mass SpaceMeasurement.GrossIn ternalArea.Total GIA commercial space	F_SMGIACT
Property mana									
Property Management costs	042C01S10R02	External Property Management costs as percentage of Total Property Management costs	(100°A)/(B +C)	1 9	6	Finance.ExternallyProvidedPrope rtyManagementCosts.Total externally-provided property management costs	F_FEPPMCT	Finance.InternallyIncurredPr opertyManagementCosts.To tal Internally-incurred property management costs plus Finance.ExternallyProvided PropertyManagementCosts. Total Externally-provided property management costs	
Total non-resid	dential								
Estate structur	re								
	042C13S01R03	Ratio of net internal area to gross internal area	A/B	3		SpaceMeasurement.NetInternalA rea.Non-residential NIA total	F_XUP_SMNI ANRT	SpaceMeasurement.GrossIn ternalArea.Non-residential	F_SMGIANR
	<u> </u>	<u> </u>						GIA	

		1				T	1	T	
Estate structure	042C13S01R07	Tenure as percentage of gross internal area freehold/long-leasehold	A+B	1	%	BuildingsandFunctionality.Tenure .Non-residential tenure freehold plus BuildingsandFunctionality.Tenure	F_BNRTF + F_BNRTLL		
						.Non-residential tenure long leasehold			
Estate structure	042C13S01R08	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1915-1939 plus	F_BNRD1915 + F_BNRD1840 +		
						BuildingsandFunctionality.Constr uctionDate.Non-residential construction date 1840-1914 plus	F_BNRB1840		
						BuildingsandFunctionality.ConstructionDate.Non-residential construction date before 1840	5 51155 4000		
Estate structure	042C13S01R09	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.ConstructionDate.Non-residential construction date 1980-1999 plus BuildingsandFunctionality.ConstructionDate.Non-residential construction date since 2000	F_BNRD1980 + F_BNRD2000		
Estate structure	042C13S01R10	Proportion of teaching area centrally timetabled	A	1	%	BuildingsandFunctionality.Percen tageofNetInternalAreaUsedForTi meTabledTeaching.Teaching not offices percentage of all NIA used for time-tabled teaching	F_BNIATE		
Estate structure	042C13S01R11	Listed building coverage as percentage of gross internal area	(100*A)/B	1	%	BuildingsandFunctionality.ListedB uildingCoverage.Non-residential listed building coverage	F_BNRLBC	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Space allocation	on			<u> </u>					
Space allocation	042C13S02R01	Teaching net internal area as percentage of total net internal area	(100*A)/B		%	SpaceMeasurement.NetInternalA rea.Teaching NIA total	F_XUP_SMNI ATET	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	RT
Space allocation	042C13S02R02	Research net internal area as percentage of total net internal area	(100*A)/B		%	SpaceMeasurement.NetInternalA rea.Research NIA total	F_XUP_SMNI ARET	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	RT
Space allocation	042C13S02R03	Support net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Support NIA total	F_XUP_SMNI AST	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	
Space allocation	042C13S02R04	Other net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Non-residential NIA other	F_XUP_SMNI ANRO	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	
Space allocation	042C13S02R05	Vacant net internal area as percentage of total net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Non-residential NIA vacant	F_XUP_SMNI ANRV	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	
Space allocation	042C13S02R06	Office net internal area as percentage of total net internal area	(100*(A+B +C))/D	1	%	SpaceMeasurement.NetInternalA rea.Teaching offices NIA plus SpaceMeasurement.NetInternalA rea.Research offices NIA plus SpaceMeasurement.NetInternalA rea.Support offices NIA	F_XUP_SMNI ATEO + F_XUP_SMNI AREO + F_XUP_SMNI ASO	SpaceMeasurement.NetInte malArea.Non-residential NIA total	F_XUP_SMNIAN RT
Space allocation	042C13S02R08	Specialist academic area as percentage of all academic net internal area	(100*A)/(B +C)	1	%	SpaceMeasurement.SpecialistAc ademicArea.Total specialist academic area	F_XUP_SMSA A	rnalArea.Research not offices NIA plus SpaceMeasurement.NetInte rnalArea.Teaching not	F_XUP_SMNIAR E + F_XUP_SMNIAT E
Space allocation	042C13S02R09	Specialist teaching net internal area as percentage of core teaching space	(100*A)/B	1	%	SpaceMeasurement.SpecialistAc ademicArea.Teaching not offices specialist academic area	F_XUP_SMTE SAA	offices NIA SpaceMeasurement.NetInte rnalArea.Teaching not offices NIA	F_XUP_SMNIAT E
Space allocation	042C13S02R10	Specialist research net internal area as percentage of core research space	(100*A)/B	1	%	SpaceMeasurement.SpecialistAc ademicArea.Research not offices specialist academic area	F_XUP_SMR ESAA	SpaceMeasurement.NetInte rnalArea.Research not offices NIA	F_XUP_SMNIAR E
Space allocation	042C13S02R11	Learning centre net internal area as percentage of support net internal area	(100*A)/B	1	%	SpaceMeasurement.NetInternalA rea.Support NIA learning centre space	F_XUP_SMNI ALC	SpaceMeasurement.NetInte rnalArea.Support NIA total	F_XUP_SMNIAS T
Condition and									
Condition and suitability	042C13S03R02	Building condition as percentage of gross internal area Condition D	Α	1	%	BuildingsandFunctionality.Conditi onAssessmentDefinition.Non- residential building condition assessment condition D	F_BNRADCD		
Condition and suitability	042C13S03R04	Cost to upgrade condition C and D to B as percentage of insurance replacement value	(100*(A+B ))/C	1	%	BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Non-residential building condition assessment cost to upgrade condition D to B plus BuildingsandFunctionality.ConditionAssessmentUpgradeCost.Non-	F_BNRAUDB + F_BNRAUCB	BuildingsandFunctionality.In suranceReplacementValue. Non-residential insurance replacement value	F_BNRIRV
						residential building condition assessment cost to upgrade condition C to B			

Condition and suitability	042C13S03R06	Non residential backlog affordability score	A/(B+C)	1		Finance.Income.HESA supplied non-residential income total	F_FINRIT	BuildingsandFunctionality. ConditionAssessmentUpgra deCost.Non-residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality. ConditionAssessmentUpgra deCost.Non-residential building condition assessment cost to upgrade condition D to B	F_BNRAUCB + F_BNRAUDB
	diture and value	1.	1.00	10			E BUB'E'		
Capital expenditure and value	042C13S04R01	Insurance replacement value per metre <sup>2</sup> of gross internal area	A/B	2	£	BuildingsandFunctionality.Insuran ceReplacementValue.Non- residential insurance replacement value	F_BNRIRV	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
	rty to business								
Linking property to business	042C13S05R02	Ratio of total property costs to HEP expenditure	A/B	3		Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	Finance.Expenditure.HESA supplied non-residential expenditure	F_FENREXP
Linking property to business	042C13S05R03	HEP income per student FTE	A/(B+C+D )	2	£	Finance.Income.HESA supplied non-residential income total	F_FINRIT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Linking property to business	042C13S05R04	HEP income per metre <sup>2</sup> of net internal area	A/B	2	£	non-residential income total	F_FINRIT	SpaceMeasurement.NetInte rnalArea.Non-residential NIA total	RT
Linking property to business	042C13S05R05	Teaching HEP income per metre <sup>2</sup> of net internal area	A/B	2	£	teaching income	F_FITEI	SpaceMeasurement.NetInte rnalArea.Teaching NIA total	ET
Linking property to business	042C13S05R06	Research HEP income per metre <sup>2</sup> of net internal area	A/B	2	£	Finance.Income.HESA supplied research income	F_FIREI	SpaceMeasurement.NetInte rnalArea.Research NIA total	
Linking property to business	042C13S05R07	Other HEP income per metre <sup>2</sup> of net internal area	A/B	2	£	Finance.Income.HESA supplied other non-residential income	F_FINRIO	SpaceMeasurement.NetInte rnalArea.Non-residential NIA other	
Linking property to business	042C13S05R13	Non-residential income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied non-residential income total	F_FINRIT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Linking property to business	042C13S05R14	Teaching income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied teaching income	F_FITEI	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Linking property to business	042C13S05R15	Research income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied research income	F_FIREI	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Linking property to business	042C13S05R16	Other non-residential income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied other non-residential income	F_FINRIO	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Linking property to business	042C13S05R18	Capital expenditure as % of HEP Income	(100*A)/B	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied non- residential capital expenditure buildings	F_FNRCEX	Finance.Income.HESA supplied non-residential income total	F_FINRIT
Utilisation rati					1				
Utilisation ratios	042C13S06R02	Academic space per student FTE	(A+B)/(C+ D+E)	1		rea.Research NIA total	ATET + F_XUP_SMNI ARET	FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTERE + F_STFTEFE
Utilisation ratios	042C13S06R03	Core teaching space per taught student FTE	A/B			SpaceMeasurement.NetInternalA rea.Teaching not offices NIA	ATE	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE	F_STFTETE
Utilisation ratios	042C13S06R04	Academic office net internal area per academic staff FTE	(A+B)/(C)	1		SpaceMeasurement.NetInternalA rea.Teaching offices NIA plus SpaceMeasurement.NetInternalA rea.Research offices NIA	ATEO + F_XUP_SMNI	StudentStaffCounts.StaffFT E.Total teaching and research staff FTE	F_SFTERET
Utilisation ratios	042C13S06R05	Support office net internal area per support office staff FTE	A/B	1		SpaceMeasurement.NetInternalA rea.Support offices NIA	F_XUP_SMNI ASO	StudentStaffCounts.StaffFT E.Support offices staff FTE	F_SSFTEOF
Utilisation ratios	042C13S06R06	Frequency rate teaching space	A	1	%	SpaceMeasurement.FrequencyR ate.Teaching not offices frequency rate percentage	F_SMTEFRP		
Utilisation ratios	042C13S06R07	Occupancy rate teaching space	A	1	%	SpaceMeasurement.Occupancy Rate.Teaching not offices occupancy rate percentage	F_SMORTEP		
Utilisation ratios	042C13S06R08	Utilisation rate teaching space	(A*B)/100 00	3		Teaching not offices frequency rate percentage multiplied by Teaching not offices occupancy rate percentage	F_SMTEFRP * F_SMORTEP		10000
Utilisation ratios	042C13S06R09	Frequency rate coverage as percentage of core teaching net internal area	(100*A)/B	1	%	SpaceMeasurement.SpaceUtilisa tionSurveyAreaCovered.Teachin g area covered by the Space Utilisation Survey	F_SMTESUS	SpaceMeasurement.NetInte rnalArea.Teaching not offices NIA	F_XUP_SMNIAT E

Utilisation ratios	042C13S06R11	Catering net internal area per student FTE	A/(B+C+D )	1		SpaceMeasurement.NetInternalA rea.Support NIA associated with catering	F_XUP_SMNI ACS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Utilisation ratios	042C13S06R15	Learning centre net internal area per student FTE	A/(B+C+D )	1		SpaceMeasurement.NetInternalA rea.Support NIA learning centre space	F_XUP_SMNI ALC	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Total property Total property costs	042C13S07R10	Non-residential property costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Component re		T		1-	1-	I		T	. <del></del>
Component revenue costs	042C13S08R01	Non-residential operating costs per metre <sup>2</sup> of net internal area	(A+B+C+ D+E+F)/G	2	£	Finance.InsurancePremiumsand Contributions.Non-residential insurance premiums and contributions plus Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Non-residential net service charge and miscellaneous PFl and PPP costs plus Finance.EnergyCosts.Non-residential energy costs total plus	F_FNRIPCO + F_+ F_+ F_FNRECTOT + F_FNRWSCT + F_FNRRMCT + F_FNRCCT	SpaceMeasurement.NetInte malArea.Non-residential NIA total	
Component	042C13S08R02	Non residential operating	(A+B+C+	2	£	Finance.WaterandSewerageCost s.Non-residential water and sewerage costs total plus Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total plus Finance.CleaningCosts.Non-residential cleaning costs total Finance.InsurancePremiumsand	F FNRIPCO +	StudentStaffCounts.Student	F STFTETE+
revenue costs	0420100001102	costs per student FTE	D+E+F)/( G+H+I)			Contributions.Non-residential insurance premiums and contributions plus	F_FNRNSCM + F_FNRECTOT + F_FNRWSCT + F_FNRRMCT + F_FNRCCT	FTE.HESA supplied teaching student FTE	F_STFTERE + F_STFTEFE
Component revenue costs	042C13S08R10	Cleaning costs per metre <sup>2</sup> of net internal area	A/B	2	£	Finance.CleaningCosts.Non- residential cleaning costs total	F_FNRCCT	SpaceMeasurement.NetInte rnalArea.Non-residential NIA	
Component revenue costs	042C13S08R11	Internal cleaning costs per metre <sup>2</sup> of area	A/B	2	£	Finance.CleaningCosts.Non- residential cleaning costs internal	F_FNRCCIN	total SpaceMeasurement.GrossIn ternalArea.Non-residential	F_SMNRGIAC
Component revenue costs	042C13S08R14	cleaned Rates paid as percentage of total property costs	(100*A)/B	1	%	Finance.RatesPaid.Non- residential rates paid	F_FNRRP	GIA cleaned Finance.PropertyCosts.Non- residential property costs	F_FNRPCO
Component revenue costs	042C13S08R15	Net service charges as percentage of total property costs	(100*A)/B	1	%	Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.No n-residential net service charge and miscellaneous PFl and PPP costs	F_FNRNSCM	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO
Component revenue costs	042C13S08R16	Maintenance costs as percentage of total property costs	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	Finance.PropertyCosts.Non- residential property costs	F_FNRPCO
Component revenue costs	042C13S08R17	Non-residential cleaning costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.CleaningCosts.Non- residential cleaning costs total	F_FNRCCT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Analysis of ma	nintenance					<u> </u>		1	
Analysis of maintenance	042C13S09R01	Maintenance costs per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	
Analysis of maintenance	042C13S09R12	% of HEP's income spent on repairs and maintenance	(100*A)/B	1	%	Finance.RepairsandMaintenance Costs.Non-residential repairs and maintenance costs total	F_FNRRMCT	Finance.Income.HESA supplied non-residential income total	F_FINRIT
·	·			_	_		·		

Analysis of maintenance	042C13S09R14	Ratio of maintenance costs and capital expenditure to insurance replacement value	(A+B)/C	1		Finance.CapitalExpenditureBuildi ngs.HESA supplied non- residential capital expenditure buildings plus Finance.RepairsandMaintenance Costs.Non-residential repairs and	F_FNRRMCT	BuildingsandFunctionality.In suranceReplacementValue. Non-residential insurance replacement value	F_BNRIRV
						maintenance costs total			
	consumption and 042C13S10R01		A/B	2	£	Finance Energy Costs Non	E ENDECTOT	SpaceManagerament Crossin	E CMCIAND
Energy costs, consumption and emissions	042C13310R01	Non-residential energy costs per metre <sup>2</sup> of gross internal area	NВ	2	L	Finance.EnergyCosts.Non- residential energy costs total	F_FINRECTOT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SWGIANK
Energy costs, consumption and emissions	042C13S10R02	Average Energy costs per 100 kWh consumption	(100*A)/B	2	£	Finance.EnergyCosts.Non- residential energy costs total	F_FNRECTOT	EnvironmentEnergyEmissio nsandWaste.EnergyConsu mption.Non-residential energy consumption total	F_ENRECT
Energy costs, consumption and emissions	042C13S10R04	Energy costs electricity as percentage of total energy costs	(100*A)/B	1	%	Finance.EnergyCosts.Non- residential energy costs electricity	F_FNRECELE	Finance.EnergyCosts.Non- residential energy costs total	F_FNRECTOT
Energy costs, consumption and emissions	042C13S10R05	Energy costs (oil, coal, steam and hot water, other) as percentage of total energy costs	(100*(A+B +C+D))/E	1	%	residential energy costs coal	F_FNRECOIL + F_FNRECCO A + F_FNRECSH W + F_FNRECOT H	Finance.EnergyCosts.Non- residential energy costs total	F_FNRECTOT
Energy costs, consumption and emissions	042C13S10R06	Energy consumption kWh per metre <sup>2</sup> of gross internal area		0		dWaste.EnergyConsumption.No n-residential energy consumption total	F_ENRECT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	
Energy costs, consumption and emissions	042C13S10R08	Energy consumption kWh per student FTE	) A/(B+C+D	0		EnvironmentEnergyEmissionsan dWaste.EnergyConsumption.No n-residential energy consumption total	F_ENRECT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus Student FTE Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Energy costs, consumption and emissions	042C13S10R10	Notional energy emissions (kg CO <sub>2</sub> e) per metre <sup>2</sup> of gross internal area	A/B	0		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Energy costs, consumption and emissions	042C13S10R11	Notional energy emissions (kg CO <sub>2</sub> e) per student FTE	A/(B+C+D	0		EnvironmentEnergyEmissionsan dWaste.Scope1and2CarbonEmi ssions.Non-residential scope 1 and 2 carbon emissions total	F_E12CENRT	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus Student FTE Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
	nd consumption	The same of the sa	I	I -	_				
Water costs and consumption Water costs	042C13S11R01 042C13S11R02	Water and sewerage costs per metre <sup>2</sup> of gross internal area Water and sewerage	A/B A/B	2	£	Finance.WaterandSewerageCost s.Non-residential water and sewerage costs total Finance.WaterandSewerageCost		SpaceMeasurement.GrossIn ternalArea.Non-residential GIA EnvironmentEnergyEmissio	F_SMGIANR F ENRWCON
and consumption	042C13311N02	costs per metre <sup>3</sup> of consumption	N.B	2	L	s.Non-residential water and sewerage costs total	F_FINKW3C1	nsandWaste.WaterConsum ption.Non-residential water consumption	F_EINRWCOIN
Water costs and consumption	042C13S11R03	Water consumption metre³ per metre² of gross internal area	A/B	1		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Non-residential water consumption	F_ENRWCON	SpaceMeasurement.GrossIn ternalArea.Non-residential GIA	F_SMGIANR
Water costs and consumption	042C13S11R05	Water consumption metre <sup>3</sup> per student FTE	A/(B+C+D )	1		EnvironmentEnergyEmissionsan dWaste.WaterConsumption.Non- residential water consumption	F_ENRWCON	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE plus StudentStaffCounts.Student FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Total residenti	al								
Estate structu	re								
Estate structure	042C14S01R04	Tenure as percentage of gross internal area, freehold/long-leasehold	A+B	1	%	BuildingsandFunctionality.Tenure .Residential tenure freehold <i>plus</i> BuildingsandFunctionality.Tenure .Residential tenure long leasehold	F_BRTF + F_BRTLL		

Estate structure	042C14S01R05	Construction date as percentage of gross internal area Pre-1940	A+B+C	1	%	BuildingsandFunctionality.ConstructionDate.Residential construction date 1915-1939 plus BuildingsandFunctionality.ConstructionDate.Residential construction date 1840-1914 plus BuildingsandFunctionality.ConstructionDate.Residential construction date before 1840	F_BRD1840 + F_BRB1840		
Estate structure	042C14S01R06	Construction date as percentage of gross internal area built since 1980	A+B	1	%	BuildingsandFunctionality.ConstructionDate.Residential construction date 1980-1999 plus BuildingsandFunctionality.ConstructionDate.Residential construction date since 2000	F_BRD1980 + F_BRD2000		
Estate structure	042C14S01R07	Listed building coverage as percentage of gross internal area	(100*A)/B	1	%	BuildingsandFunctionality.ListedB uildingCoverage.Residential listed building coverage	F_BRLBC	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR
Condition and	suitability					,g			
Condition and suitability	042C14S02R01	Building condition as percentage of gross internal area Condition A and B	A+B	1	%	BuildingsandFunctionality.ConditionAssessmentDefinition.Residential building condition assessment condition A plus BuildingsandFunctionality.ConditionAssessmentDefinition.Residential building condition assessment			
Condition and suitability	042C14S02R02	Building condition as percentage of gross internal area Condition D	A	1	%	condition B BuildingsandFunctionality.Conditi onAssessmentDefinition.Residen tial building condition assessment condition D	F_BRADCD		
Condition and suitability	042C14S02R05	Functional suitability as percentage of gross internal area Grade 1 and 2	A+B	1	%	BuildingsandFunctionality.Functio nalSuitability.Residential functional suitability grade 1 plus BuildingsandFunctionality.Functio nalSuitability.Residential functional suitability grade 2	F_BRFSG2		
Condition and suitability	042C14S02R06	Residential backlog affordability score	A/(B+C)	1		Finance.Income.HESA supplied residences and catering income	F_FIRI	BuildingsandFunctionality.C onditionAssessmentUpgrad ecCost.Residential building condition assessment cost to upgrade condition C to B plus BuildingsandFunctionality.C onditionAssessmentUpgrad eCost.Residential building condition assessment cost to upgrade condition D to B	F_BRAUCB + F_BRAUDB
	ty to business								
Linking property to business Linking	042C14S04R02 042C14S04R03	Ratio of total property costs to HEP Expenditure  Ratio of residential HEP	A/B A/B	3		Finance.PropertyCosts.Residenti al property costs  Finance.Income.HESA supplied	F_FRPCO F_FIRI	Finance.Expenditure.HESA supplied residential expenditure Finance.Expenditure.HESA	F_FEREXP F_FEREXP
property to business		income to HEP Expenditure			C	residences and catering income		supplied residential expenditure	
Linking property to business	042C14S04R04	of net internal area	A/B	2	£	Finance.Income.HESA supplied residences and catering income	F_FIRI	SpaceMeasurement.NetInte rnalArea.Residential NIA	
Linking property to business	042C14S04R08	Residential and catering income per metre <sup>2</sup> of gross internal area	A/B	2	£	Finance.Income.HESA supplied residences and catering income	F_FIRI	SpaceMeasurement.GrossIn ternalArea.Residential GIA	F_SMGIAR
Linking property to business	042C14S04R09	HEP expenditure per bedspace	A/B	2	£	Finance.Expenditure.HESA supplied residential expenditure	F_FEREXP	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS
Linking property to business	042C14S04R10	Capital expenditure as % of HEP Income	(100*A)/B	1	%	Finance.CapitalExpenditureBuildi ngs.HESA supplied residential capital expenditure buildings	F_FRCEX	Finance.Income.HESA supplied residences and catering income	F_FIRI
Utilisation ration ratios	042C14S05R02	Residential net internal area per bedspace	A/B	1		SpaceMeasurement.NetInternalA rea.Residential NIA	AR	SpaceMeasurement.Numbe rofBedSpaces.Residential number of bed spaces	F_SMRNBS
Utilisation ratios	042C14S05R03	Average provision of bedspaces per student FTE	A/(B+C+D )	2		SpaceMeasurement.NumberofBe dSpaces.Residential number of bed spaces	F_SMRNBS	StudentStaffCounts.Student FTE.HESA supplied teaching student FTE plus StudentStaffCounts.Student FTE.HESA supplied research student FTE plus StudentStaffCounts.Student FTE.FE student FTE FTE.FE student FTE	F_STFTETE + F_STFTERE + F_STFTEFE
Utilisation ratios	042C14S05R04	Occupancy rate residential	A	1	%	SpaceMeasurement.Occupancy Rate.Residential occupancy rate percentage	F_SMORRP	Gadont i iL	
Component re									
Component revenue costs	042C14S06R07	Cleaning costs per metre <sup>2</sup> of net internal area			£	Finance.CleaningCosts.Residenti al cleaning costs total		SpaceMeasurement.NetInte rnalArea.Residential NIA	
Component revenue costs	042C14S06R08	Net service charges as percentage of total property costs	(100*A)/B	1	%	Finance.NetServiceChargeandMi scellaneousPFlandPPPCosts.Re sidential net service charge and miscellaneous PFI and PPP costs	r_fknSCM	Finance.PropertyCosts.Resi dential property costs	r_FKPCO

-		1						1	
Component	042C14S06R09	Maintenance costs as	(100*A)/B	1	%	Finance.RepairsandMaintenance	F_FRRMCT	Finance.PropertyCosts.Resi	F_FRPCO
revenue costs		percentage of total				Costs.Residential repairs and		dential property costs	
		property costs				maintenance costs total			
Component	042C14S06R10	Residential cleaning	A/B	2	£	Finance.CleaningCosts.Residenti	F_FRCCT	SpaceMeasurement.GrossIn	F_SMGIAR
revenue costs		costs per metre <sup>2</sup> of gross				al cleaning costs total		ternalArea.Residential GIA	
		internal area							
Analysis of ma	aintenance								
Analysis of	042C14S07R01	Maintenance costs per	A/B	2	£	Finance.RepairsandMaintenance	F FRRMCT	SpaceMeasurement.GrossIn	F SMGIAR
maintenance		metre <sup>2</sup> of gross internal				Costs.Residential repairs and	_	ternalArea.Residential GIA	
		area				maintenance costs total			
Analysis of	042C14S07R12	% of HEP's income spent	(100*A)/B	1	%	Finance.RepairsandMaintenance	F FRRMCT	Finance.Income.HESA	F_FIRI
maintenance	0420140071012	on repairs and	(100 71)/15	l'	/0	Costs.Residential repairs and	I _I KKWO I	supplied residences and	
I		maintenance				maintenance costs total		catering income	
Analysis of	042C14S07R13	Ratio of maintenance	(A+B)/C	1		Finance.CapitalExpenditureBuildi	F FRCEX+	BuildingsandFunctionality.In	F BRIRV
maintenance	042C14307K13	costs and capital	(ATD)/C	l'		ngs.HESA supplied residential	F FRRMCT	suranceReplacementValue.	I _DIXIIXV
maintenance							F_FKKIVIC I	Residential insurance	
		expenditure to insurance				capital expenditure buildings			
		replacement value				plus		replacement value	
						Finance.RepairsandMaintenance			
						Costs.Residential repairs and			
						maintenance costs total			
	consumption and						1		
Energy costs,	042C14S08R01	Energy costs per metre <sup>2</sup>	A/B	2	£	Finance.EnergyCosts.Residential	F_FRECTOT	SpaceMeasurement.GrossIn	F_SMGIAR
consumption		of gross internal area				energy costs total		ternalArea.Residential GIA	
and emissions									
Energy costs,	042C14S08R02	Energy costs per 100	(100*A)/B	2	£	Finance.EnergyCosts.Residential	F_FRECTOT	EnvironmentEnergyEmissio	F_ERECTOT
consumption		kWh consumption				energy costs total		nsandWaste.EnergyConsu	
and emissions		1						mption.Residential energy	
								consumption total	
Energy costs,	042C14S08R03	Energy costs gas as	(100*A)/B	1	%	Finance.EnergyCosts.Residential	F FRECGAS		F FRECTOT
consumption		percentage of total	,			energy costs gas		ential energy costs total	
and emissions		energy costs				chergy costs gas		critical criency cools total	
and emissions		energy costs							
Energy costs,	042C14S08R04	Energy costs electricity	(100*A)/B	1	%	Finance.EnergyCosts.Residential	E ERECELE	Finance.EnergyCosts.Resid	F FRECTOT
consumption	0420140001104	as percentage of total	(100 /1)/2	l'	/0	energy costs electricity	I_INLOLLL	ential energy costs total	I_INLOIOI
and emissions		energy costs				energy costs electricity		eritial eriergy costs total	
and emissions		energy costs							
Energy costs,	042C14S08R05	Energy consumption kWh	A /D	0		EnvironmentEnergyEmissionsan	F ERECTOT	SpaceMeasurement.GrossIn	E CMCIAD
	042C14306K03		AVD	U			F_ERECTOT		F_SIVIGIAR
consumption		per metre <sup>2</sup> of gross				dWaste.EnergyConsumption.Res		ternalArea.Residential GIA	
and emissions		internal area				idential energy consumption total			
	0.4004.40000		4.00		<u> </u>	<u> </u>			- 0110115
Energy costs,	042C14S08R08	Notional energy	A/B	0	l	EnvironmentEnergyEmissionsan	F_E12CERT	SpaceMeasurement.GrossIn	⊢_SMGIAR
consumption		emissions (kg CO <sub>2</sub> e) per			l	dWaste.Scope1and2CarbonEmi		ternalArea.Residential GIA	
and emissions		metre <sup>2</sup> of gross internal				ssions.Residential scope 1 and 2			
		area				carbon emissions total			
Water costs ar	nd consumption								
Water costs	042C14S09R01	Water and sewerage	A/B	2	£	Finance.WaterandSewerageCost	F_FRWSCT	SpaceMeasurement.GrossIn	F_SMGIAR
and		costs per metre <sup>2</sup> of gross			l	s.Residential water and		ternalArea.Residential GIA	
consumption		internal area			l	sewerage costs total			
Water costs	042C14S09R03	Water consumption	A/B	1		EnvironmentEnergyEmissionsan	F ERWCON	SpaceMeasurement.GrossIn	F SMGIAR
and		metre <sup>3</sup> per metre <sup>2</sup> of	- <b>-</b>	l ·	l	dWaste.WaterConsumption.Resi		ternalArea.Residential GIA	
consumption		gross internal area			l	dential water consumption		ionia, irodii condoniadi OlA	
	costs	laines iliterriar area				Tuermai water consumption			
Total property	042C14S10R01	Desidential property:	A/B	2	l c	Einanas Branarti Casta Basidanti	E EDDCO	Canal Manager amont Caracle	E CMCIAD
Total property	U42C14S1UR01	Residential property	WB	<b> </b>	£	Finance.PropertyCosts.Residenti	F_FRPCO	SpaceMeasurement.GrossIn	r_SMGIAK
costs		costs per metre <sup>2</sup> of gross			l	al property costs		ternalArea.Residential GIA	
	I	internal area	1	l	l			ĺ	