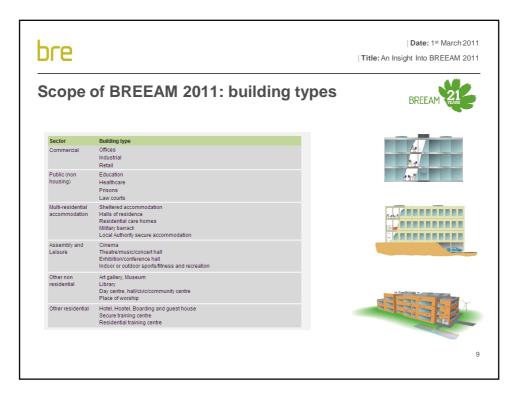
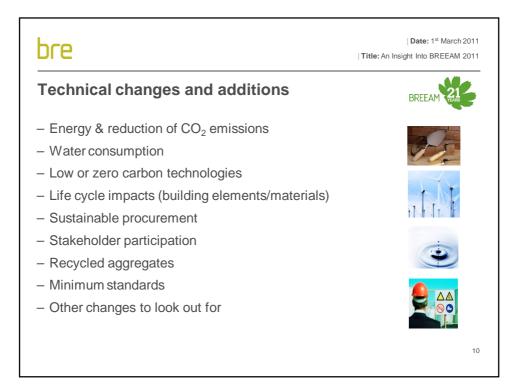
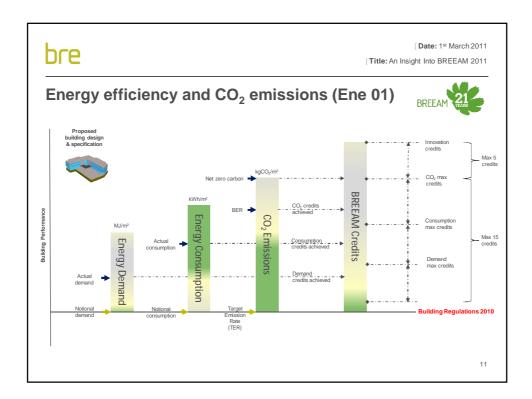


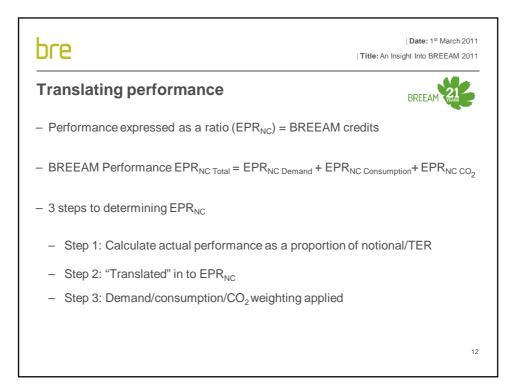


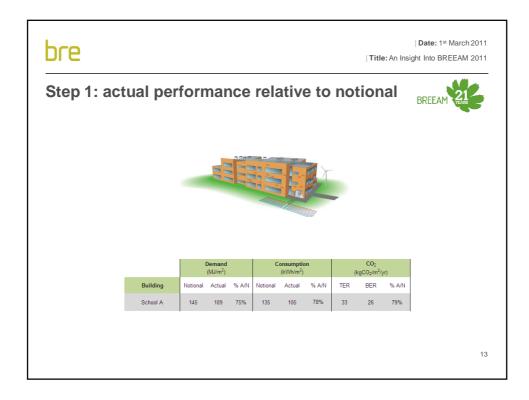
bre		∣ Date: 1 st March 2011 i tle: An Insight Into BREEAM 2011
	1	THE. All margine into Divelor with 2011
Scope of BREEAM 2011		BREEAM 2
 Consolidation: One 'assessment 		I
manual'	ENERGY Reduction of CO ₂ emissions Energy monitoring Energy efficient external lighting Low or zero carbon technologies	WATER Water consumption Water monitoring Water (leak detection and prevention Water efficient equipment (process)
 49 assessment issues, across 9 environmental sections 	Every efficient caloritoria Energy efficient calors to systems Energy efficient laboratory systems Energy efficient equipment (process) Dring space TRAINSPORT	Waste encode equipment (process) Waste Construction waste management Recriced aggrades Operational waste Speculative floor and celling finishes MATERNALS
 Scheme defines and measures 	Public Transport Accessibility Proximity to amenities Cyclist facilities Maximum car parking capacity Travel Plan	Life Cycle impacts Hard landscaping and boundary protection Responsible sourcing of materials Insulation Designing for Robustness
'core' issues and impacts (links to the CSBE)	LAND USE & ECOLOPY Site selection Ecological value of site Protection of ecological features Mingaring ecological impact Enhanding site ecology Long term impact on biodiversity HELTLA VELLEBING	POLUTION Impact of Refrigerants NO, emissions from heating/cooling source Surface Viater Run-Ort Reduction of high time light pollution Noise attenuation MANAGEMENT
 Criteria still accounts for; 	Visual comfort Indoor air quality Thermal Comfort Water Quality Acoustic performance Safety and Security	Sustainable Procurement Responsible Construction Practices Construction sile impacts Stakeholder Participation Service Life Planning and Costing
 building type, occupancy and usage differences standards, opportunities and niches 		8

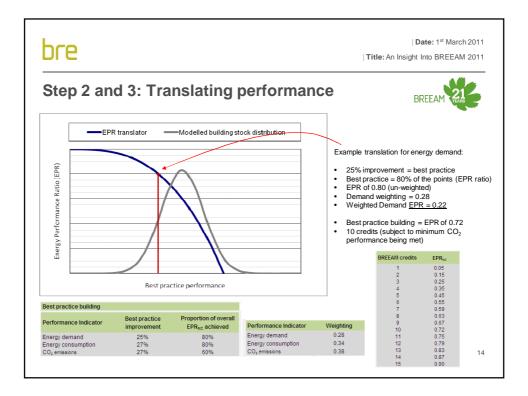


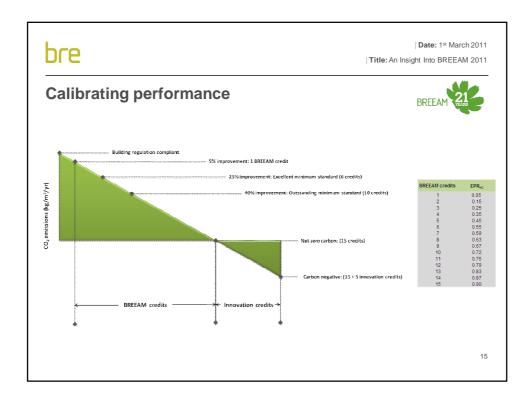




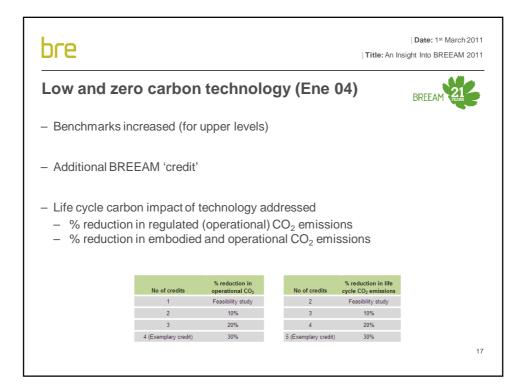


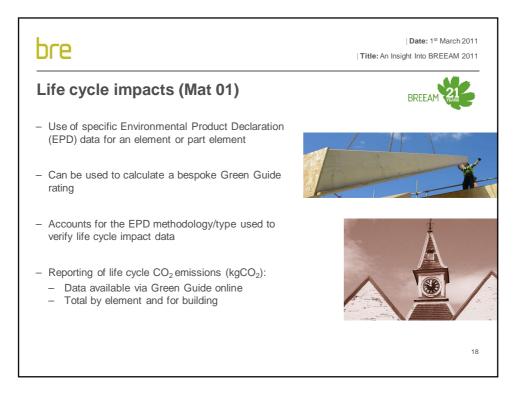


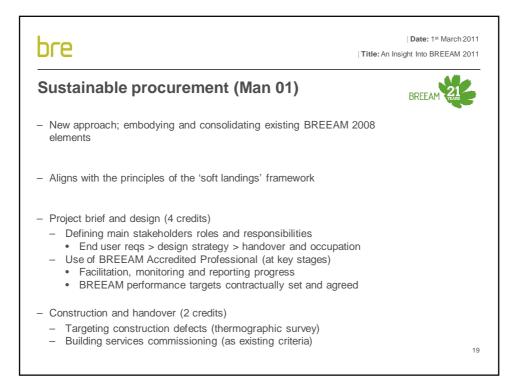


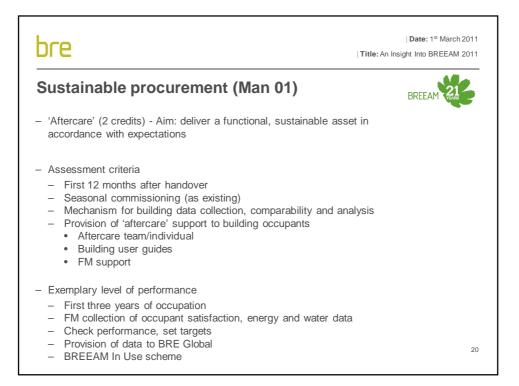


bre		Title: An	1 -	Date: 1 st Marcl t Into BREEAM	
Water consumption (Wat 01)			E		ß
 Expanded water consumption methodology 					
 More building types covered 		% improvement notional baseli		No. of BREEAM credits	
- Updated occupancy usage data (activity database)		12.5%		1	
- Baseline and five performance levels/standards		25%		2	
defined		40%		3	
 Accounts for greywater (BS8525) and rainwater harvesting systems (BS8515) 		50%		4	
		55%		5	
 Water consumption calculated and reported 		65%		Exemplary performance	
 litres/person/day 					
	Component		Baseline	units	
– m ³ /person/yr	WC Wash hand basi Showers Baths		6 12 14 200	litres litres/min litres/min litres	
Minimum standarda maintainad	Urinal (2 or more Urinal (1 urinal o		7.5 10	litres/bowl/hr litres/bowl/hr	
 Minimum standards maintained 	Greywater/rainw		0%	% flushing demand me	t by recyc
 Good, V Good, Excellent = 1 credit 			12	litres/min	
	Kitchen taps: re Domestic sized		10.3 17	litres/min litres/cvcle	
 Outstanding = 2 credits 		washing machines	90	litres/use	
ő	Waste disposal	unit	17	litres/min	
	Commercial size		8	litres/rack	
	Commercial size	d washing machines	14	litres/kg	

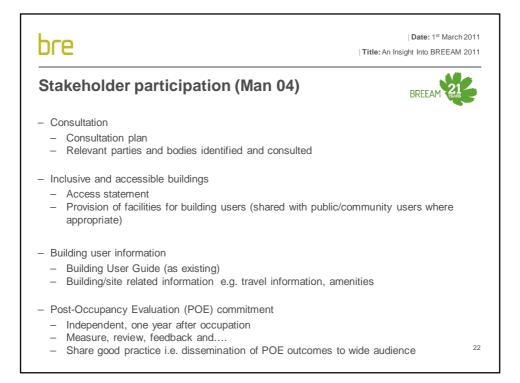


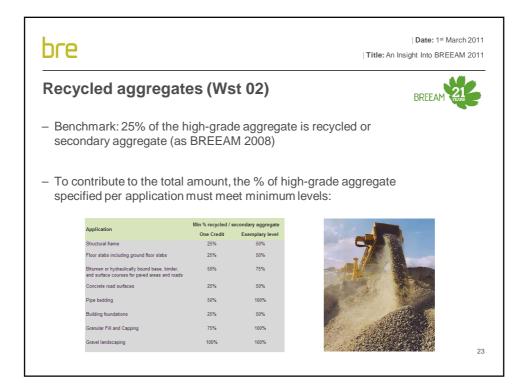


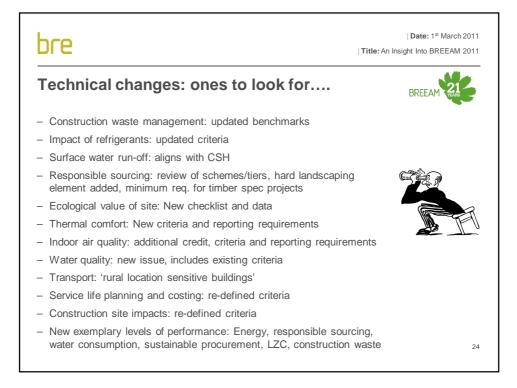




bre	∣ Date: 1ª March 2011 ∣ Title: An Insight Into BREEAM 2011
Stakeholder participation (Man 04)	BREEAM 21
- Consolidates a number of existing BREEAM issues and criteria	1
Stakeholder Particpation	
Good Corporate Citizen Consultation Consultation Consultation Consultation of building Information Publication of building Information	Travel Information Space
Home office Consultation with students and staff Development as a learning resource Inclusivity	
 Less prescriptive approach, but allows for complexity of buildin vs. school or hospital Aim: To design, plan and deliver accessible, functional and incl consultation with current and future building users and other statement. 	lusive buildings in







Minimum standards			BREEAM 22		
BREEAM issue	PASS	GOOD	VERGY GOOD	EXCELLENT	OUTSTANDING
Man01: Sustainable procurement	One credit	One credit	One credit	One credit	Two credits
Man02: Responsible construction practices				One credit	Two credits
Man04: Stakeholder participation				One credit (Bulding User Guide)	One credit (Bulding User Guid
Hea01: Visual comfort	Criterion 1 only	Criterion 1 only	Criterion 1 only	Criterion 1 only	Criterion 1 only
Hea04: Water quality	Criterion 1 only	Criterion 1 only	Criterion 1 only	Criterion 1 only	Criterion 1 only
Ene01: Reduction of CO2 emissions				Six credits	Ten credits
Ene02: Energy monitoring			One credit (sub-metering)	One credit (sub-metering)	One credit (sub-metering)
Ene04: Low or zero carbon technologies				One credit	One credit
Wat01: Water consumption		One credit	One credit	One credit	Two credits
Wat02: Water monitoring		Criterion 1 only	Criterion 1 only	Criterion 1 only	Criterion 1 only
Mat03: Responsible Sourcing	Criterion 3 only	Criterion 3 only	Criterion 3 only	Criterion 3 only	Criterion 3 only
Wst01: Construction waste management		-	-		One credit
Wst03: Operational waste				One credit	One credit
LE03: Mitigating ecological impact			One credit	One credit	One credit

