## Worksheet 3.2A

# Sustainability evaluation – property acquisition phase

The following evaluation should be undertaken with the help of technical specialists during the acquisition or handover period and given to the acquiring fund manager or portfolio manager. This worksheet includes both office space and retail space. This is an example only – adapt this worksheet to suit your organisation's requirements. Delete the sections not relevant to the property under review.

Section A: Property	details							
Building/Centre name					City			
Street address								
Building age								
Size:				Buildin	g functions:			
No. of levels (excludin	g basement)			Office	space		m²	
Gross floor area			m <sup>2</sup>	Retail			m²	
Building net lettable a	rea (NLA) incl	. vacancies	m²	Food o	utlets		m²	
No. of car parking leve	els (or area in	m <sup>2)</sup>		Carpar	k		m²	
Basement size			m²	Other (	list)		m²	
No. of car parking spa	ces						m²	
No. of disabled parkin	g spaces							
No. of lifts, escalators	and travelato	rs						
Office tenancy		Occupancy/u	se					
Major tenants	% NLA occupied	No. staff	Total no. build visitors and bu	ing occu Iilding co	pants (excl. ntractors)			
			Standard wee	kly hours	of operation			
			No. of floors w	vith 24/7	operation			
			% vacancy (at	time of a	assessment)			
No. of tenancies:								
Retail capacity			Occupancy/visitation					
	Number	GLAR	Hours of annu	al occup	ancy			
Specialty tenants			Annual total vi	sitation				
Major tenants			Peak visitation (people/day)					
No. of tenancies			Standard weekly hours of operation					
% vacancy (at time of assessment)			No. of levels with 24/7 operation					
Industry benchmark	S							
NABERS Rating	Base	Tenancy	PCA Grade (G	Guide to (	Office Building			

NABERS Rating	Base	lenancy	PCA Grade (Guide to Office Building Quality)	
NABERS Energy			Green Star Rating (specify tool number used)	

NABERS Wate	er te		n.a.										
NABERS IE													
Energy and g	reenho	use perfori	nance										
Monthly perform (base building)	mance	J	A	s	o	N	D	J	F	м	A	м	J
Electricity co	nsumpti total k\	ion Wh											
MJ/m <sup>2</sup> N	LA or G	LA											
Electi	ricity co tota	sts II \$											
\$/m <sup>2</sup> N	LA or G	LA											
Gas co	nsumpti total	ion MJ											
MJ/m <sup>2</sup> N	LA or G	LA											
Gas costs total \$		sts II \$											
\$/m <sup>2</sup> N	LA or G	LA											
Note: the abov	e inforn	nation may	oe availa	ble fron	n property	utility ac	counts o	r other pi	roperty	managem	ent reco	rds.	
Year:	_	2	00X	:	200Y	Y Comments on any aspect of energy consumption							
HVAC	kWh					or cost	of energ	y supply					
electricity consumption (if known)	kWh/r	n <sup>2</sup>											
After hours	kWh												
HVAC electricity (if known)	kWh/r	n <sup>2</sup>											
Is there an Energy Management Plan (or similar) in place? If so, include a copy with this evaluation.			in place?										
Industry bend	Industry benchmarks												
How does base building electricity consumption costs (\$/m <sup>2</sup> NLA) relate to PCA operational benchmarks for a building of this category and NLA/GLA?													
Has a NABER undertaken? If that undertook	S Enerç so, list the rati	gy, Water or outcomes a ng.	Waste rand name	ating be of orga	en anisation								

Greenhouse and g	lobal wai	rming				
	Units Tonnes kg CO <sub>2-e</sub>	CO <sub>2-e</sub> or /m <sup>2</sup>	200X	200Y	NABERS Energy Most recent accredited NABERS Energy ra	ting
Total GHG emissions						
What are the likely e could be implemente by 1 star?	energy im ed to raise	provement m e the NABER	easures that S Energy rating			
to 2 stars?						
to 3 stars?						
Estimate an indicative capital budget associated with raising the NABERS Energy rating to: 3 stars						
4.5 stars						
Is a refrigerant leak	detection	system insta	lled?			
HVAC system						
Briefly describe the l system and its key components includir energy efficiency fea	HVAC ng any atures.	Number	Туре		Capacity and efficiency	Age
boiler plant						
chiller plant						
cooling towers						
air handling syster	ms					
water reticulation systems						
air filtration system	ns					
Briefly describe the sand impact on energy	scope of t gy efficien	the HVAC co icy:	ntrol systems			
type (e.g. pneuma	itic, electr	onic, DDC)				
control of HVAC s	ystems					
economy cycles						
night purge						
Has an energy audit been undertaken in the last 5 years? What improvements have been implemented?						
Describe the carpark and basement ventilation system. Is carbon monoxide monitoring provided? Have any ventilation improvements been made as a result of poor air quality?						
Describe the domes building.	tic hot wa	ater systems i	installed in the			
Does the building ha	ave CO <sub>2</sub> r	nonitoring to	tenant areas?			

Is power factor correction installed in the building? Provide details.	
List scope of energy sub metering systems i.e.	
house power	
lifts	
mechanical	
carpark	
gas	
Are these monitored on a monthly basis?	
Lighting	
Briefly describe the lighting system including energy efficiency features:	
tenant controls	
lighting controls	
types of luminaires	
lighting zones (size in m²/number/floor)	
dimming systems	
after hours controls	

#### Water and wastewater

	Units	200X	200Y				Units	200X	200Y
Total water consumption	on kL			Cost of mains wa	ater		Total \$		
(mains supply)							\$/kL		
	kL/m <sup>2</sup>			Cost of effluent of	lischarg	je	\$		
							\$/m <sup>2</sup>		
Quarterly performance (200X)	July to S	September	Octobe	r to December January to		ary to March		April to June	
Consumption (kL)									
Supply costs									
Toilets				Urinals					
Flush volume	Number of women's	Number of men's		Туре	Number		ber	Flush volume	
6/3 L dual flush				Manual flush					
9/4.5 L dual flush				Sensor-operated	flush				
6 L full flush				Waterless					
9 L full flush				Other					
11 L full flush									

Showers			Basins in amenities					
Number	Flow rate	e (L/min)	Number	Tap type	Tap flow r	ate (L/min)		
Water storage	tanks		Cooling tow	vers				
Capacity (kL)	No.	Location/use	Туре	Refrigeratio (kWh)	n capacity	Operating times		
NABERS Water rating								
How do water supply and wastewater costs (\$/m <sup>2</sup> /pa) relate to the PCA operating cost benchmarks for a building of this type and NLA/GLA?								
Are submeter and major wa breakdown of component.	s installed ter-consun % of total	to monitor tenants' consumption ning equipment? If so, provide a water use for each metered						
Are these sub for monitoring	meters co ?	nnected to a stand-alone system						
Have any wat past 2 years?	er leaks be	een identified and repaired in the						
List any water restrictors, lov	r saving de w-flow sho	evices used in the building (e.g. flow wer heads, automatic taps etc)						
Is stormwater site? If so, de	or rainwat scribe stor	er collected and stored for use on age capacity and use.						

### Waste and recycling

	Unit	200X	200Y		Unit	200X	200Y
Total solid waste	Т			Annual cost of waste collection	\$		
sent to landfill				sent to landfill (collection, transport and tip fees)	\$/m <sup>2</sup>		
Total paper and	т			Annual cost of paper and	\$		
cardboard waste collected for recycling				cardboard collection and removal	\$/m <sup>2</sup>		
Total other recyclables	т			Annual cost of other	\$		
(e.g. commingled containers)				recyclables collection and removal	\$/m <sup>2</sup>		
NABERS Waste rating							
Is there a current Waste M similar e.g. waste minimisa going to landfill (e.g. increa copy to this evaluation.	anagement ation strateg ase recycling	Plan in plac y, to reduce g)? If so, att	ce, or e waste ach a				
Has a waste audit been un If so, attach a copy to this e	dertaken in evaluation.	the last 5 y	ears?				
Describe the waste recycline.g. plastics, paper & cardle	ng system ii board, orgai	n major tena nics etc.	ancies				

Describe the waste recycling systems or infrast (e.g. compactors) in the base building e.g. plast cardboard, organics etc.	ructure tics, paper &			
Describe any additional waste recycling or colle systems in the building for other materials e.g. f tubes, batteries, mobile phones, construction & waste, furniture, electrical equipment etc.	ection luorescent demolition			
Workplace productivity				
Is there a history of tenant concerns relating to air quality? If so, what actions have been taken these concerns?	poor indoor to address			
Have regular air quality audits been undertaken issues identified and rectification measures imp	l? List key lemented.			
Has a hazardous material audit been undertake last 2 years? List any key recommendations fro environmental due diligence assessment.	en within the m the			
NABERS Indoor Environment rating				
Transport and accessibility				
Distance from bus stop	m	Disabled toilets on each occupied floor?	Y/N	
Distance from nearest train station	m	Estimated workforce using public transport		
Distance from public carpark	m	No. of designated motor bike spaces provided		
Disabled access from street to lift lobby? Y/N		No. of designated bicycle spaces provided		
Disabled access from carpark to lift lobby?	Y/N	No. of shower facilities for cyclists		
Secure bike storage	Y/N			

List specific facilities for disabled accessibility (e.g. lifts, toilets etc)

#### **Ecological diversity**

Are there any trees on site subject to Council Tree Preservation Orders? Does the location of these trees impede future redevelopment (if intended)?	
Are there any areas of natural vegetation or wetlands on site that may have some ecological conservation value? If so, describe them. For example, old growth forests. See Green Star – Ecological (ECO – Conditional Requirement)	
Does the location of these areas impact or need to be considered in future redevelopment potential (if intended)?	
Does the site have a history of soil or groundwater contamination?	
List any key recommendations from the environmental due diligence assessment.	
Heritage conservation	
Is there a current Heritage Conservation Order (or similar) on part of the site or the entire site? If so, describe the subject and the area of site affected.	