NAVFAC	SUSTAINABILITY AND	ENERGY	DATA	NEW CON	STRUCTIO	ON & MAJ	OR RENOV	<u>ATION</u>		
PROJECT INFORMATION										
Work Order No.:	FY		Ν	/ILCON P No. /	Customer R	eference No.:	:			
Project Title:			-						-	
Location/UIC:										
NAVEAC Project Manac	ner:					Project Do	llar Amount \$			
Project Type:	<u> </u>			_	Project I	Design Level				
Facility Area:	LI/M:			Cat	edory Code:	Debigit Level.	Facility #	-		
AE Contract # 8 T O			_	AE Eirm 9	Sustainability	Coordinator	- 1 acinty #.	-	-	
AE Contract # & 1.0.			-		bustamability	Coordinator.	·			
AE FIIII Name.	Project Dhoose	Colisitation		Cananiata (Draft)			Construction	Complete /F	in all	
F	roject Phase:	Solicitation	Jocuments C	ompiete (Drait)			Construction	Complete (F	inal)	
Construction Contract &	. <u>1.0.</u>				- Awar	d Date (P/A):		BOD (P/A):		
Construction Contractor										
Contractor's Sustainabil	lity Coordinator:									
SUSTAINABILITY DATA - GUIDI	ING PRINCIPLES for SUSTAI	NABLE NEV	V CONSTRU	CTION and MA	JOR RENO	ATION				
Use this form to collect d	lesign and as-constructed proje	ect information	n to be record	ded on the Susta	inable and Er	nergy Tab in e	Projects			
Provide justification for e	each target missed:									
Sustainability Third Part	ty Rating System:	USGBC LEE	D	GBI Green Gl	obes					
	- /	Not Applicat	ole	Other						
A Sustainabil	inty Certification Level - Larget									
	LEED Silver	2 Globes		Other						
Identify "Ot	ther" certification system and ta	arget level								
			•							•
B Sustainabil	lity Certification Level - Achiev	ed								
	LEED Certified	I FED Silver		LEED Gold		LEED Platin	um	Not Met		
	1 Globe	2 Globes		3 Globes		4 Globes	um	Other		
	1 Globe	2 610065		3 Globes		4 Globes		Other		
Identity "Ot	ther" certification system and in	evel achieved	3							
I. Employ Integrated De	sign Principles									
I.a Integrated	Assessment, Operation, and N	/lanagement		Included	Not Included	d				
I.b Commissio	ning (Select one)									
	Commissioning	No Commiss	sioning							
	0		0							
Systems C	ommissioned [.]									
cyclonic c		I								1
II. Optimize Epergy Bor	formanaa									
II. Optimize Energy Fen										
n.a Energy Em										
	I Energy Reduction 30% targe	et		_						
i	ii Efficiency Standard									
	90.1 - 2004		90.1 - 2007	,	90.1 - 2010					
	a. Total Design Energy Use	Intensity (EL	JI): kBTU/S	Sq Ft/Year						
ii	ii New Technology: Provide de	escription								
II.b On-Site Re	enewable Energy									
	Solar Hot Water 30% target									
	Renewable energy technolog	av types (sel	act all that ar	(vlac						
	Dovlighting	gy types (sen	Cround So	uroo Hoot Dumr			Solar Dhoto	oltoio		
	Dayignung		Mashaniaal	uice near Fuinp	·5		Solar Thorne	Ullaic al damaatia k	a at water	
	Geotnermai		Mechanica	I (I.e., direct wat	er pumping)		Solar Therm	ai -domestic r	not water	
	Wind						Solar Therm	al -space con	ditioning	
	. Sustainable Roof Attribute (Select all that	it apply)							
	Cool - white		Cool - refle	ctive	Solar PV		Solar Therm	al	Vegetated	
II.c Building-lev	vel Metering (Measurement)		Included		Not Included	d				
	,									
III. Protect and Conserv	ve Water									
III a Indoor Wa	ter									
	i Reduce potable water									
	ii Ruilding lovel Metering (Me	ouromont)	-	Included		Not Include	d			
1	Dunung-level wetering (Mea		it. (M/I II).		or	INUL INCLUDE	u			
1	a. Total Design Indoor Wate	er use intens	ity (VVUI): G	alions/Sq Ft/Ye	aı		-			
III.b Outdoor W	ater									
1	i Reduce landscape water		50% below	conventional		100%		Not Met		
1										
IV. Enhance Indoor Env	vironmental Quality									
IV a Ventilation	and Thermal Comfort									
	i Thermal Environmental Con	ditions		Mot	Not Mot					
		Mat	Not Mat	INIGL	NUL IVIEL					
	ii ventilation	NIET	NOT Met							
IV.b Moisture C	ontrol Plan	Included	Not Include	ed						
IV.c Daylighting)									
	i Minimum Daylight		Met	Not Met						
i	ii Automatic dimming controls		Included	Not Included						
IV d Low-Emittir	ng Materials	Met	Not Met							
TV.G EOW EINIG	-									

NAVFAC SUSTAINABILITY AND ENERGY DATA --- NEW CONSTRUCTION & MAJOR RENOVATION

IV.e Protect Indoor Air Quality during Construction	n	Met Not N			
V. Reduce Environmental Impact of Materials					
V.a Recycled Content: www.epa/gov/cpg		Met	Not Met		
V.b Biobased Products Me	et	Not Met			
V.c Waste and Materials Management					
i. Waste Diversion (50% targett)					
ii. Waste Management Inc	cluded	Not Included	ł		
V.d Ozone Depleting Compounds Me	et	Not Met			

To maintain prior project sustainability information, print and upload a copy of the completed worksheet to the Notes tab as Design & Criteria note BEFORE updating the tab.

GUIDANCE ON CALCULATION FOR EUI & WUI

- 1 The EUI must be calculated as the total <u>Design Energy Consumption</u> per year (including savings from renewables) <u>divided by</u> the total <u>Building Area</u> (including unconditioned indoor space).
 - a. The total <u>Design Energy Consumption</u> can be found in the <u>Energy Cost Budget (ECB) Compliance Report</u>. The Design Energy Consumption is in the <u>Energy Summary by End Use Table</u> at the bottom of page 2 of the ECB Report. The value is listed as <u>Total Including Solar</u> for the <u>Proposed Building</u>. It is the first field on the bottom row. (Units in the ECB Report are 10^6 Btu/yr, so multiply by 1000 to yield kBtu/yr
 - b. The total <u>Building Area</u> (including unconditioned indoor spaces) can be found in the <u>Energy Cost Budget (ECB) Compliance Report</u> in the <u>Space Summary Table</u> on page 1 of the ECB Report. The value is listed as <u>Total (area)</u> including Conditioned area and Unconditioned area. Insure the units are in square feet
- 2 The WUI must be calculated as the total <u>Design Indoor Potable Water Consumption</u> per year <u>divided by</u> the total <u>Building Area</u> (including unconditioned space).
 - a. The total <u>Design Water Consumption</u> can be found in the LEED WE P1 water consumption calculation <u>or</u> Green Globes 3.4.1.1 Water Consumption calculation. The value is the <u>Design Case – Annual Potable Water Consumption</u>. It is listed in units of Gallons/year
 - b. The total <u>Building Area</u> (including unconditioned spaces) can be found in the <u>Energy Cost Budget (ECB) Compliance Report</u> in the <u>Space Summary Table</u> on page 1 of the ECB Report. The value is listed as <u>Total (area)</u> including Conditioned area and Unconditioned area. Insure the units are in square feet

JECT INFORMATION								
VVORK Order No.:	Budget FY		-	C	ustomer Reference No.:			-
NAVEAC Project Manager:					Estima	ated Cost/PA:		
Project Type:				_	Project Design Level:			-
Facility Area:	U/M:	-		Categ	jory Code:	Facility #:		
AE Contract # & T.O.			-	AE Firm Su	stainability Coordinator:			
AE Firm Name:			-					
Project Phas	e:	Solicitation D	ocuments C	omplete (Draft)		Construction Compl	ete (Final)	
Construction Contract & T.O.					Award Date (P/A):	BOD	(P/A):	_
Construction Contractor:								
Contractor's Sustainability Coordina	tor:							
TAINABILITY DATA - GUIDING PRINCI	PLES for SUSTAIN	ABLE EXIST	ING BUILDI	NGS				
Provide justification for each targ	et missed:		be recorded					
I. Employ Integrated Assessment, C	peration, and Mana	agement Princ	iples					
I.a Integrated Assessment	, Operation, and Ma	anagement		Included	Not Include	d		
I.b Commissioning (Select	one)	N 0 /						
Commissi	oning	No Commiss	ioning					
Re-Comm	issioning	Retro-Comm	issioning					
Systems Commissione	d							
II Ontimize Energy Performance								
II.a Energy Efficiency								
i Energy Re	eduction Below Base	eline (20% tar	get)	%				
ii Efficiency	Standard (Select or	ne)	5-7					
	Energy Star 75	5 or higher		Building Basel	ine 2003			
	ASHRAE 90.1-	-2007		ASHRAE 90.1	-2010			
a. Total D	esign Energy Use I	ntensity (EUI)	: kBTU/Sq	Ft/Year				
iii New Tech	nology: Provide des	scription						
II.b On-Site Renewable En	ergy							
i. Solar Hot	Water Demand (30°	% target)						
ii. Renewabl	e energy technology	y types (Selec	t all that app	ly)				
	Daylighting		Ground So	urce Heat Pump	S	Solar Photovoltaic		
	Geothermal		Mechanical	(i.e., direct wat	er pumping)	Solar Thermal -dom	estic hot water	
···· • • • •	Wind					Solar Thermal -space	ce conditioning	
III. Sustainab	e Roof Attribute (S	elect all that a	ipply)		L D)/	0 J TI J		
II a Ruilding loval Matering	(Moosurement)		Cool - refle	ctive S	olar PV	Solar Thermal	Vegetated	
n.c Building-level Metering	(weasurement)		Included	IN				
III. Protect and Conserve Water								
III.a Reduce Indoor Water								
i Choose O	ption (Select one)							
	20% below IP	C or IBC		20% below bl	dg baseline 2003			
ii Reduce po	stable water (percer	nt)		_%				
ii Building-le	vel Metering (Meas	urement)		Included	Not Included	t		
a. Total D	esign indoor Water	Use Intensity	(WUI): Gall	ons/Sq Ft/Year	F00/ h-1			1000/
III.D REDUCE landscape wat	er (Selectione)		SU% DEIOW	conventional	50% peion i	building baseline 2003	5	100%
IV Enhance Indoor Environmental (Juality							
IV.a Ventilation and Therms	l Comfort							
i Thermal F	nvironmental Cond	itions	Met	Not Met				
ii Ventilatior		Met	Not Met					
IV.b Moisture Control Plan		Included		Not Included				
IV.c Daylighting and Lightin	g Controls							
i Daylightir	g and lighting contr	ols (Select on	e)	2% in 50% of	occupied spaces	Not Met		
				50% occupant	control			
ii Automatic	lighting controls		Included	1	lot Included			
II Automatic		Met	Not Met					
IV.d Low-Emitting Materials	ity during Construct	ion	Met	Not Met				
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual	, ,							
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual								
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual V. Reduce Environmental Impact of	Materials		Mat					
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual V. Reduce Environmental Impact of V.a Recycled Content: www	Materials v.epa/gov/cpg	Mat	Met	Not Met				
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual V. Reduce Environmental Impact of V.a Recycled Content: www V.b Biobased Products	Materials v.epa/gov/cpg	Met	Met Not Met	Not Met				
I Automatic IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual V. Reduce Environmental Impact of V.a Recycled Content: www V.b Biobased Products V.c Waste and Materials M	Materials v.epa/gov/cpg anagement	Met	Met Not Met	Not Met				
IV.d Low-Emitting Materials IV.e Protect Indoor Air Qual V. Reduce Environmental Impact of V.a Recycled Content: www V.b Biobased Products V.c Waste and Materials M i Waste Div	Materials v.epa/gov/cpg anagement ersion - 50% target	Met	Met Not Met %	Not Included				

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