





SCE KNOWLEDGE Business Case for Sustainable Infrastructure					
Sustainable infra	structure	e is also infrastructure	that c	an be <u>sustainec</u>	
A. INFRAST	MERIC RUCT	CA'S G.P.A	LOGY >	IJŦ	
AVIATION	D	PORTS	C		
AVIATION Bridges	D C+	PORTS PUBLIC PARKS AND RECREATION	C C-	A = Exceptional B = Good	
AVIATION Bridges Dams	D C+ D	PORTS PUBLIC PARKS AND RECREATION RAIL	C C- C+	A = Exceptional B = Good C = Mediocre D = Poor	
AVIATION Bridges Dams Drinking water	D C+ D D	PORTS PUBLIC PARKS AND RECREATION RAIL ROADS	C C- C+ D	A = Exceptional B = Good C = Mediocre D = Poor F = Failing	
AVIATION Bridges Dams Drinking water Energy	D C+ D D D+	PORTS PUBLIC PARKS AND RECREATION RAIL ROADS SCHOOLS	C C- C+ D D	A = Exceptional B = Good C = Mediocre D = Poor F = Failing ESTIMATED INVESTMENT NEEDED BY 2020-	
AVIATION BRIDGES DAMS DRINKING WATER ENERGY HAZARDOUS WASTE	D C+ D D D+ D	PORTS PUBLIC PARKS AND RECREATION RAIL ROADS SCHOOLS SOLID WASTE	C C- C+ D D B-	A = Exceptional B = Good C = Mediocre D = Poor F = Failing ESTIMATED INVESTMENT NEEDED BY 20202	
AVIATION BRIDGES DAMS DRINKING WATER ENERGY HAZARDOUS WASTE INLAND WATERWAYS	D C+ D D D+ D D-	PORTS PUBLIC PARKS AND RECREATION RAIL ROADS SCHOOLS SOLID WASTE TRANSIT	C C- C+ D D B- D	A = Exceptional B = Good C = Medicore D = Poor F = Failing ESTIMATED INVESTMENT NEEDED BY 2020: \$366	







CE & LEARNING	DEFINING SUSTAINABILITY
Sustainability	Supplier Assessment Questions
COM ,"	 1. Have you measured and taken steps to reduce your corporate greenhouse gas emissions (//N) 2. Have you opted to report your greenhouse gas emissions and dimate change strategy to the Carbon Disclosure Project (CDP)? (/N) 3. What are your total annual greenhouse gas emissions in the most recent year measured? (Enter total metric tons CO2e, e.g., CDP 2009 Questionnaire, Questions 7-11, Scope 1 and 2 emissions) 4. Have you set publicly available greenhouse gas reduction tragets? If yes, what are those target (Enter total metric tons and target date, e.g., CDP 2009 Questionnaire, Questionnaire, Question 23)
Material Efficiency Reduce waste and enhance quality	 Scores will be automatically calculated based on participation in the Packaging Scorecard in addition to the following: S. If measured, please report total amount of solid waste generated from the facilities that produ your product(s) for Walmart for the most recent year measured. (Enter total lbs) Have you set publicly available solid waste reduction targets? If yes, what are those targets? Timeasured, please report total water use from the facilities that produce your product(s) for Walmart for the most recent year measured. (Enter total addns) Alwe you set publicly available water use from the facilities that produce your product(s) for Walmart for the most recent year measured. (Enter total galons) Have you set publicly available water use reduction targets? If yes, what are those targets?
Nature and Resources High quality, responsibly sourced raw materials	 9. Have you established publicly available sustainability purchasing guidelines for your direct suppliers that address issues such as environmental compliance, employment practices, and product/ingredient stafe/j (VN) 10. Have you obtained 3rd party certifications for any of the products that you sell to Walmart? If so, from the list of certifications below, please select those for which any of your products are, or utilize materials that are, currently certified.
People and Community Vibrant, productive workplaces and communities	 11. Do you know the location of 100% of the facilities that produce your product(s)? (//N) 12. Before beginning a business relationship with a manufacturing facility, do you evaluate their quality of production and capacity for production? (//N) 13. Do you have a process for managing social compliance at the manufacturing level? (//N) 14. Do you work with your supply base to resolve issues found during social compliance evaluations and also document specific corrections and improvements? (//N) 15. Do you invex in community development activities in the markets you source from and/or



























	WAYS TO USE ENVISION				
Links Sustainability Policy to Planning & Design					
Policies & Programs	Applicable ENVISION Credits (for illustrative purposes only and are not intended to be all inclusive)				
Freenroads	QL 1.1; QL 2.4; QL 2.5, QL 2.6;				
ero Waste	RA 1.3; RA 2.2; RA 1.3; RA 1.4; RA 1.5;				
CLEI's Star Program	All credits				
he Natural Step	QL 2.1, QL 1.3; RA 1.1-RA 3.3; NW 1.1; NW 1.3; NW 1.7				
limate Adaptation	CR 2.1; CR 2.2; CR 2.3;CR 2.4; CR 2.5				
	All credits				











atural World					
. Siting					
NW 1.1 Preserve Prime Habitat					
Intent: Avoid placing the project – and the site compound/temporary works – on land that has been ide ecological value or as having species of high value.	ntified as	s of h	nigh		
Metric: Avoidance of high ecological value sites and establishment of protective buffer zones.	-				
Assessment Questions:	Y	'es	No	N/A	
Has the project team taken steps to identify and document areas of prime habitat near or on the site?		۲	0	0	
Does the project avoid development on land that is judged to be prime habitat?		۲	0	0	
Does the project establish natural buffer zones around all areas deemed prime habitat?		۲	0	0	
Does the project significantly increase the area of prime habitat through habitat restoration?		0	۲	0	8
Does the project improve habitat connectivity by linking habitats?		0	۲	0	1000
	Total	3	of	5	_













1	Home * Create a Free Envision Account				
	To create your free ISI account, please provide the following information.				
	Profile Information *	First Name	Last Name		
		Email	Phone		
		Password	Confirm Password		
		Please note: 151 will only use your ghone number to contect y you by ameli.	oo if there is a problem with your account and we are unable to reach		
	Connect to an				
	Organization Organization you are affiliated with Organization name				
	Subscribe	agn up för our novementer			
		Click or touch the	e Foot		
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		(2) I I I I I I I I I I I I I I I I I I I	(c ()		
		I have read and agree to the terms & of	saditions *		
		ISI does not, and will not, sail or shan	r your information.		
SCE KNOWLEDGE & LEARNING		Create Account			

ACCOL	JNT HOME	
TOOLS	My Organization: Institute for Sustainable Info	rastructure (Non-Member
My Account Home	Organization) My Status: Denise Nelson, Authenticator, Veri	ifier, ENV SP, Trainer,
My Projects	Admin	
My Credentialing		
My Membership	C Edit Profile	🛄 Organization Benefits
My Invoices		
My Content	Envision Scoresheet (begin assessing a project)	Envision Guidance Manual
	Terms and Conditions	
	GE IG	36



ASCE	KNOWLEDGE & LEARNING	CREATING A PROJECT	
Project Name and Location	Project Name*	United States	
	Project City*	Alabama 🔽	
	Zip Code		
Project Point of Contact	Contact Name	Contact Email	_
ENV SP Contact	ENV SP Name	ENV SP Email	_
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SCE KN	OWLEDGE THE C	NLINE SCO	DRESHEET
My Account Home My Projects My Credentialing My Membership My Invoices	Hame + Brogesta + Fake project Fake project Richmond, VA, Action -	21 Bonze	Project Stage Unregistered States: Anothing Registration by Project Leader
QUALITY OF LIFE 15 cmills	Select All/None Concepts 12 cmillio in program, 8 cmillio completed Last updated 82/07/2016 by DEN Melson	e printable view of salected credite Dow Project programs	nload selected credit attachments SS of 181 Pesaible points — 363.
LEADERSHIP 10 cmlls	B credits in progress, 0 credits completed Last updated 02/07/2016 by DEN Nelson	Project progress	106 of 121 Possible points — 88%
RESOURCE ALLOCATION 14 cmsllbs	0 credits in prograss, 0 credits completed Last updated 02/07/2016 by DEN Netson	Project program	0 of 182 Possible points
MATURAL WORLD 15 constitus	0 credits in progress, 0 credits completed Last updated 02/07/2016 by DEN Nebson	Project prograss	0 of 200 Possible points
	0 credits in progress, 0 credits completed Last updated 03/07/2016 by DEN Nelson	Project progress	0 of 122 Pessible points



ASCE	KNOWLEDGE & LEARNING	THE ON	ILINE	S	SC	OF	RES	SH	EE	Т			
	12 credita in progress, 0 cred Last updated 02/07/2016 by	its completed DEN Nelson	Proje	et pro	gress		65 of 1	81 Possi	ible poin	tu — 963	i.		
			_						I	E	s	с	_
Purpose	QL1.1 Improve Community	Quality of Life		8	•	`	N/A	0	2	5	10	20	L
	QL1.2 Stimulate Sustainable	e Growth and Development		8	-	ž	N/A	0	1	2	5	13	
	U ULT.3 Develop Local Skills :	ind Capabilities		L.	-	·	N/A	0	1	2	5	12	
Wellbeing	QL2.1 Enhance Public Healt	h and Safety	L.	Ŷ	۰	~	N/A	0	2	-	-	16	Г
	QL2.2 Minimize Noise and V	ibration	L.	S.	۰	~	N/A	0	1	-	-	8	
	QL2.3 Minimize Light Pollut	on		Яŝ	۰	~	N/A	0	1	2	4	8	
	QL2.4 Improve Community I	Nobility and Access		S.	۰	~	N/A	0	1	4	7	14	Γ
	QL2.5 Encourage Alternative	Modes of Transportation	L.	Ŷ	۰	~	N/A	0	1	3	6	12	
	QL2.6 Improve Site Accessi	bility, Safety and Wayfinding	ĥ	Ŷ	۰	~	N/A	0	-	3	6	12	
Community	QL3.1 Preserve Historic an	d Cultural Resources	Ľ.	Ŷ	٠	~	N/A	0	1	-	7	13	
	QL3.2 Preserve Views and	Local Character		Ŷ	۰	~	N/A	0	1	3	6	11	
	QL3.3 Enhance Public Space	-	Ŀ	Ŷ	٠	~	N/A	0	1	3	6	11	
nnovate or Exceed	QL0.0 Innovate or Exceed (redit Requirements	ĥ	Ð	٠	~	N/A	Max	inum Leve	l of 8	4	•	
								s	ubmitted	65		Verified	







PROFESSIONAL CREDENTIAL (ENV SP) - TRAINING

These training modules are designed to educate you on Envision and prepare you to take the exam to earn the Envision Sustainability Professional (ENV SP) credential. You must complete the training modules to be eligible to take the exam.

Module/Status	Date Started
ENV SP Training Module 1 - Complete	11/21/2016
ENV SP Training Module 2 - Not Started	-
ENV SP Training Module 3 - Not Started	-
ENV SP Training Module 4 - Not Started	-
ENV SP Training Module 5 - Not Started	-
ENV SP Training Module 6 - Not Started	-
ENV SP Training Module 7 - Not Started	-
A LEARNING	45



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ASCE & LEARNING	47



VERIFICATION AND AWARD								
Project Size, \$	Non-Member Price	ISI Member Price						
Up to 5 million	\$11,000	\$9,000						
5 to 25 million	\$17,000	\$14,000						
25 to 100 million	\$25,000	\$21,000						
100 to 250 million	\$33,000	\$28,000						
250 to 500 million	\$42,000	\$35,000						
Over 500 million	Contact ISI for lar projects.	ge or multi-phase						
		49						



VERIFICATION AND AWARD -SAMPLE DOCUMENTATION

QL1.2 Stimulate sustainable growth and development

(16) Developmental rebirth. (16) Developmental rebirth. At the early development stages, the project owner and the project team work with the community to identify existing community assets in the natural or built environment which, if restored, would improve the economic growth and development capacity of the community. The constructed works improve attractiveness through restoration of existing infrastructure, including physical, knowledge and social assets. Adaptive to changing conditions. (A, B, C, D, E)

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VERIFICATION AND AWARD -VERIFICATION AND AUTHENTICATION

ENV SP INITIAL SUBMISSION (20/25) · QL 1.1 Final_subm	tal.pdf		
Concerving	INCLUDE Conserving (20/25) · QL 1.1 Final_submittal.pdf		
FEEDBACK (20 / 25) Agreed. Conserving.	AGREE? YES		
EEDBACK (20 / 25) Agreed. Conserving.	AGREE? YES		
(20/23)			

VERI VERI	FIC/ FIC/	ATION ATION	I AND AWARD – I AND AUTHENTICATION				
LD1.3	Foster col Eliminate o processes.	llaboration an	d teamwork. n elements, and optimize system by using integrated design and delivery methodologies and colli See updated submittal attached.	aborati	(e		
INITIAL SUBMISSION	INCLUDE	Conserving (15/15) Superior (8/15)	LO 1.3 Fina_submittal.por Disagreed. Superior. To achieve Conserving, provide clear evidence of Key and sharing (CM/CC)	GREE?	Credit		
ENV SP VERIFICATION RESPONSE	INCLUDE	Conserving (15/15)	See updated submittal attached. - LD 1.3 Final_submittal.pdf - LD 1.3 FINAL RESUBMIT.pdf		Vermed?		
VERIFIER FINAL FEEDBACK		Conserving (15/15)	Agreed. Conserving.	SREE? YES			
ACCE	KNOWIE	DCF					
ASCE	ASCE & LEARNING						











