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US Army Corps of Engineers®

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Subject: Sustainable Design and Development (SDD)

Applicability: Guidance

30""Vj g"r wtr qug"qh"vj ku"Gpi kpggtkpi "cpf "Eqpuvtwevkqp"Dwmgvkp"*GED+"ku"vq"r tqxkfg"lo r ngo gpvkpi "i wkf cpeg"qp"vj g"tgxkugf "tgs wktgo gpvu"d{"vj g"Qhhkeg"qh"vj g"Cuukuvcpv"Ugetgvct{"qh"vj g"Cto {"hqt"Kpuvcmcvkqpu"cpf "Gpxktqpo gpv"qp"UFF0""

40""Uvctvkpi "y kj "vj g"H[2: "r tqi tco s."cmvgtvkecm"O EC"r tqlgewu"y kj "erko cvg/eqpvtqngf "hcekrkvkgu"ctg"tgs wktgf "vq"dg"ecr cdrg"qh'cej kgxkpi "WU"I tggp"Dwkf kpi "Eqwpekm*WU"I DE+"egtvkhkecvkqp"cv"vj g"Ukmxgt"tcvkpi "rgxgn"qh"Ngcf gtuj kr "kp"Gpgti {"cpf "Gpxktqpo gpvcn"Fguki p/P gy "Eqpuvtwevkqp"*NGGF Ì /P E+0"NGGF Ì /P E"ku"c"eqo o gtekcn"I tggp"Dwkf kpi "Tcvkpi "Vqqn"f gxgnqr gf "d{"WU"I DE."www.usgbc.org."cpf "ku"y kf gn{"wugf "vj tqwi j qwv"vj g"eqwpvt{0'

50""Vj ku"r qrke{"kpenwf gu"cm"O EC"r tqlgewu."tgi ctf rguu"qh"hwpf "uqwteg0"Rtqlgewu"uwej "cu"y ctgj qwugu."y kj "erko cvg"eqpvtqngf "ctgcu"qh'o qtg"vj cp"72 "qh'vj g"vqvcn"ctgc"ctg"cnuq"tgs wktgf "vq"cej kgxg"vj ku"tcvkpi 0"Htqkz qpcn"eqpuvtwevkqp."uwej "cu"tcpi gu."tqcf u"cpf "ckthkgnf u."y km"eqpvkpwg"vq"kpeqtr qtcvg"UFF "hecvwtgu"vq"vj g"o czko wo "gzvgpv"r quukdrg0"Cto {"Hco kn{"J qwukpi "*CHJ +"cpf "Tugkf gpvkcn"Eqo o wpkvkgu"Kpkvkcvkxg"*TEK+"y km"eqpvkpwg"vq"cwckp "Uwuvckpcdrg"Rtqlgev"Tcvkpi "Vqqn"*URkTkV+"I qrf "tcvkpi "rgxgn0"Hqt"CHJ "cpf "TEKr tqlgewu."URkTkV"r tgtgs wkukvg"*r ctci tcr j "70T 4'Gpxktqpo gpvcn'Vqdceeq"Mo qmg'Eqpvtqn+'eqpegtpkpi "uo qmkpi "kp"vj g"hcekrkv{"ku"pqv"tgs wktgf "vq"dg"o gv0""

60""*C +"Rtqlgev'tcvkpi "i qcmu'uj cm'dg"guvcdrkuj gf "f wtkpi "r ncppkpi "ej cttgwgu'd{ "kf gpvkh{kpi "r qvgpvkcn'r qkpv'uqeqtgu'cpf "NGGF "Rtqlgev'Ej gemkuvu'*cxckrcdrg"cv www.usgbc.org +'y km'dg"r tgr ctgf "y kj "vj g"ej cttgwg'tgr qtw0"F guki pgtu'qh'tgeqtf "uj qwrf 'j cxg"c'NGGF "Ceetgf kvgf "Rtqhguukqpcn'qp"vj kit "vgco u0"*D+"Hqt'f guki p/dkf /dwkrf "r tqlgewu."vj ug'uqtg"r qkpvu'y km'dg"hkpg"vwpgf "d{ "kf gpvkh{kpi "tgs wktgf "cpf "r tghgttgf "etgf kv'r qkpvu'cv'vj g'ko g"qh'r ctco gvtic "uwdo kwcn'eqoegr v'f guki p'cpf "y km'dgeqo g"cp"kpvgi tcn'r ctv'qh'vj g'f guki p'uwdo kuukqp0"*E+"Hqt'f guki p/dwkrf "r tqlgewu."vj ug'THR'y km'kpenwf g"tgs wktgf "cpf "r tghgttgf "etgf kv'r qkpvu'hqt"o ggvkpi "ur gekhke'NGGF "tgs wktgo gpvu0"Rtqr quccn"*Rj cug"KK+"uj cm'kpenwf g"eqo r rgvgf "NGGF "ueqtg"uj ggvu'kpf kecvkpi "j qy "vj g"Rtqr quqt'kpvgpf u'vq"cej kgxg"vj g'tgs wktgf "rgxgn0""

70""Hqto cm'NGGF "egtvkhkecvkqp"ku'pqv'tgs wktgf ="j qy gxgt."f qewo gpvcvkqp"uj qwrf "hqmqy "WU"I DE'tgs wktgo gpvu0"Tgi kuvtcvkqp"qh'vj g'r tqlgev'y kj "WU"I DE"ku"gpeqwtci gf 0"Kf "cmqy u"wug"qh'±NGGF/Qprkpgøcpf "qp/rkpg"±NGGF "Ngwgt"Vgo r ncvguøvq"f qewo gpv'cpf "vtcem'r tqlgev'r tqi tguu'vqy ctf u'cej kgxkpi "Cto {"UFF "i qcmu0"Kf y km'cmuq"qhhgt"vj g"cf f kvkqpcn'cf xcpvci g"qh'WU"I DE"uwr r qtv'kp"etgf kv'kpvgtr tgvcvkqp"cpf "twrkpi u0""

GED''4228ô 4"

Uwdlgev<"Uwuvckpcdng'Fguki p'cpf 'Fgxgnqr o gpv'*UFF+"

"

80'Hqt'O KNEQP "Rtqi tco o kpi 'r wtr qugu.'Fkuvtkewl Kpuvcncvkqpu'uj cml kpenwfg'c'hwml{'eqo r ngvgf "
NGGF "Rtqlgev'Ej gemkuv'f go qpuvtcvkpi "yj g'pgeguuct{'r qkpvu'vq'cej kgxg'NGGF "Uknxgt'kp'yj g"
Hcekrkv{'Rqkpvu'Uwo o ct{'ugevkqp'qh'yj g'Uwuvckpcdng'Equv'Vgo r ncvg'cv'

[j wr<11y y y 0y df i 0qti 1eed1CTO[_EQGIEQGGED1CTEJ_KXGU1geda4228a4auff aequvayqo r ncvg0zmn]'y kj ''yj g''
Dwfi gv'Equv'Gvko cvgu1Rctco gvtke'Gvko cvgu0'Rtqlgevu'enck o kpi 'cff kvkqpcn'equvu'hqt'o ggvkpi 'c'
Uknxgt'Tcvkpi "yj qwf "cnuq 'kf gpvkh{'dcugnkpg'uceqtgu'hqt'o ggvkpi 'yj g'NGGF "Egtvkhkgf "Tcvkpi 'cpf 'yj g'
kpetgo gpvcn'equv'kphqto cvkqp'kp'yj g'Vgo r ncvg0''

"

90"Eqpuvtwevkqp'hkgnf 'qhhkegu'cf o kpkuvgtkpi 'r tqlgevu'pggf 'vq'dg'cy ctg'qh'yj g'NGGF 'tgs wktgo gpvu'
cpf 'o qpkqt'cu'r ctv'qh'yj gkt's wcnkv{'cuuwtcpeg'f wvkgu'yj g'eqpvtcevqtuø'eqphqto cpeg'kp'o ggvkpi 'yj g'
NGGF 'uvcpf ctf u'f wtkpi 'eqpuvtwevkqp0'

"

:0'NGGF "tcvkpi 'ngxgnu'uj cml dg'tgr qtvgf 'xkc'R40"Vj g'r tqlgev'o cpci gt'uj qwf 'kpr wv'yj g'tcvkpi u'cu'
gctn{'cu'r quukdng'cpf 'tgxkug'yj go "y j gp'pgeguuct{0"Vj g'kpuvcncvkqp'Fktgevqt'qh'Rwdnke'Y qtmu'qt"
yj g'Tgugtxg'Eqo r qpgpv'gs wkxcngpv.'uwr r qtvkpi 'Gpi kpggt'Fkuvtkev'f guki pgt'cpf 'eqpuvtwevqt'y kml'
lqkpvn{ 'egtvkh{'yj g'hkpcn'NGGF 'ueqtg'cpf 'tcvkpi 0'Rtqlgevu'y kj 'o wnkr ng'dwknf kpi 'v{r gu'uj cml'
cej kgxg'cpf 'f qewo gpv'yj g'tgs wktgf 'Tcvkpi 'ngxgn'hqt'gcej 'qh'yj g'dwknf kpi 'v{r gu0'J qy gxgt.'qpn{'
yj g'tcvkpi 'hqt'yj g'r tko ct{'hcekrkv{'*Ecvgi qt{'Eqf g+'y kml'dg'tgr qtvgf 'xkc'R40'Vj gug'tcvkpi u'y kml'dg'
wugf 'vq'tgr qtv'qwt'cf j gtgpeg'vq'yj g'r qnke{'vq'yj g'Fktgevqt'qh'O knkct{'Rtqi tco u'cpf 'yj g'Ej kgh'qh'
Gpi kpggtu0''

"

; 0"Y j gp'yj g'tgs wktgf 'ngxgn'ecp'pqv'dg'cej kgxgf .'yj g'r tqlgev'o cpci gt'y kml'r tgr ctg'c'nguuqpu'
ngctpgf 'tgr qtv'cpf 'hqty ctf 'kv'vq'yj g'TKV'Rtqi tco 'O cpci gt'cpf 'vq'yj g'G(E'equv'gpi kpggtkpi 'RQE'
y kj 'cp'gzr ncpcvkqp'cu'vq'y j {'yj ku'ngxgn'ecppqv'dg'cej kgxgf 0''

320"Vj g'WU'Cto {'ku'c'o go dgt'qh'yj g'WUI DE0'Y kj 'yj g'Cto {øu'o go dgtuj kr 'cml'Cto {"
go r nq{ggu'ecp'vcmg'cf xcpvci g'qh'o go dgtuj kr 'r tkxkngi gu0'Cto {'go r nq{ggu'ecp'i gv'o go dgtuj kr "
pwo dgt'd{ 'ecmkpi 'cp{'qh'yj g'RQEu'hqt'yj ku'GED0'O qtg'kphqto cvkqp'ku'cxckncdng'cv'
[j wru<11gmq0wuceg0Cto {0o knlhcluff 1]0"Vj g'Y j qng'Dwknf kpi 'F guki p'I wkf g'
[j wr<11y y y 0y df i 0qti 1kpf gz0r j r]'cnuq 'r tqxkf gu'uwghwn'f guki p'kphqto cvkqp0'

'"""

330"RQE'ku'O t0'J ctt{'I qtcf kc.'EGEY /EG.'424/983/69580"Vgej pkecn'cuukuvcpeg.'qp'
tgko dwtucdng'dcuku'gzegr v'hqt'eqpuwncvkqp.'ecp'dg'r tqxkf gf 'd{'O t0'Tkej ctf 'Uej pgkf gt.'439/595/
8974.'cpf 'O u0'Cppgwg'Uwo p h.'439/595/66; 4.'EGTN'cpf 'd{'O u0'Lwf {'O knqp.'Ucxcppcj "
Fkuvtkev.'; 34/874/76630''

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FQP CNF "N0DCUJ CO .'R0G0'
Ej kgh'Gpi kpggtkpi 'cpf 'Eqpuvtwevkqp"
Fktgevqtcvg'qh'Ekxkn'Y qtmu"