

Appendix 6 ISO Building Code Effectiveness Questionnaire

Insurance Services Office, Inc.

(Western Office)

ISO

388 Market Street Suite 750

San Francisco, California 94111-5314

1-800-888-4476

Office 415-434-4599

Fax 415-398-8064

Info.sanfrancisco@iso.com

BUILDING CODE EFFECTIVENESS GRADING SCHEDULE (BCEGS®) QUESTIONNAIRE

This questionnaire is used to measure the resources and support made available to building code enforcement and the use of those resources as they apply to the mitigation of natural hazards common to the jurisdiction evaluated.

For your convenience there is a glossary included to help you complete this questionnaire.

Name of Jurisdi	iction:
Jurisdiction repre	sentative who filled out this questionnaire:
Name:	
	ve who conducted the jurisdiction interview:
Name:	ve who conducted the jurisdiction interview.
Name:	·

Survey Date (for ISO use only):

BUILDING CODE EFFECTIVENESS GRADING SCHEDULE

BACKGROUND DATA

1.	Name of jurisdiction (for ISO use only):						
1A.	Name of county 1B. Name of state						
2.	Six digit National Flood Insurance Program (NFIP) number						
3.	What year was the jurisdiction established? □ INA / DNA or incorporated? □ INA / DNA						
4.	What year was the building department established?						
4A.	If building codes were enforced in the jurisdiction before the current building department's establishment, what was the name of the prior enforcing agency?						
4B.	What was the first year of continuous building code enforcement?						
5.	Chief administrative officer (mayor, city manager, etc.)						
	Prefix First Name Last Name						
	Title						
	Physical Address						
	Mailing Address						
	City State ZIP Code						
	Telephone () E-mail						
6.	Building Official						
	Prefix First Name Last Name						
	Title						
	Physical Address						
	Mailing Address						
	City State ZIP Code						
	Telephone () E-mail						
7.	Size of jurisdiction in square miles						
7A.	Please provide a current map that shows the boundaries of the area served by the building department.						
	Identify the map source:						

7B.	If the building department serves multiple jurisdictions, as is common with county departments and code enforcement agencies, provide the following information for the jurisdiction and contact person. Attach a separate sheet if necessary.							
	First Name: Last Name: Address 1: Address 2:							
	County: _							
	NFIP Number or DNA: _	Population	or INA:					
7C.	If the building codes are en name of the enforcing agen	forced by another jurisdiction or a th cy: Does Not Apply	ird party agency indicate the					
	Residential enforcing agend	cy name:						
	Commercial enforcing ager	ncy name:						
8.	Additional seasonal popula	the building departmenttion, if applicableensus ☐ other creditable source _						
9.		t value or assessed value of all build	,					
	Year of most recent evalua	tionsessed value						
	Indicate which of the follow educational facilities government buildings hospitals		ure: Other:					
9A.	Indicate the source of the a	above figure:						
	☐ tax assessor	□ other source						
	Prefix First Name	Last Name	e					
	Mailing Address							
		State						
			ail					

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10.	Juris	ediction Structure city county regional planning en	Ţ	_	state town township					age er	************************************
11.	Type	e of Government city manager committee county commission	. (county executive fire district mayor / council		□ town meeting □ other				
12.	Prov	vide the number of pe	rmits requ	iiri	ng inspectio	n for ea	ich d	category:			
Com	mer	cial / Multi Family	Building		Electrical	Fuel G	as	Mechanic	al	Plumbing	Total
		dings		_							
	tions										
	ovati										
		tured / Modular	<u> </u>					-			
		Building Related									
Ot	ner N	lon Building Related	<u></u>								
Res	ident	ial	Building		Electrical	Fuel G	28	Mechanic	·al	Plumbing	Total
		dings	Dunania		Licotricar	1 401 0	.45	Wicondine	<i>,</i> u,	1 lambing	Total
		(includes garages)									
	ovati							· .			
		tured / Modular								·	
		Building Related	<u> </u>				-				
		on Building Related				1.1					
			. 								
No	te B	permits are building relat among others permits are not building r	elated; for	exa	ample, pools,	signs and	d fen	ces		olition and hou	se moving,
12A.	. Do	es the building departi	ment mair	nta	in detailed r	ecords	ot pe	ermit activi	ty?		
	Coi	mmercial 🛭 yes	□ no		Re	esidentia	al	☐ yes	🗀 n	10	
	(a)	If yes, are the records	s stored e	lec	tronically?		•				
		Commercial	s 🛚 no)		Reside	entia	al 🗆 ye:	s C) no	
13.		nis building code depa elling, does the depar									d 2 family
		yes □ no		str	uctural plan	review	is co	onducted o	n ev	ery dwelling	
14.	Do	es the building depart	ment use	an	y of the follo	owing to	ols	to save tim	e ar	nd increase e	fficiency?
		cellular phones computerized inspe computerized plan r		ım	entation			dheld devi			
15.		ring the reporting peri-		nar	ny building p	ermits h	nas t	the building	g de	partment / ju	risdiction

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15A.	. During the reporting period, how many variances from NFIP requirements has the building department / jurisdiction issued in the floodplain?								
15B.	. Are manufactured homes prohibited in the floodplain?								
	☐ yes ☐ no ☐ jurisdiction does not contain a floodplain								
	(a) If no, who regulates such placements?								
15C.	5C. Does the jurisdiction regulate the placement of manufactured homes on foundation systems in the floodplain?								
	u y	es es	□ no		jurisdiction does not contain a floodpl	ain			
	(a)	lf yes, whic	ch local gover	nme	ent department regulates such placemer	nts?			
			ng departmen n department	t	housing departmentzoning department				
15D.	Doe	s your loca	al jurisdiction (use	a Geographic Information System (GIS)	?			
	u y	es/es	□ no						
	If ye	s, which o	f the following	do	you track?				
		EMS station fire station floodplain hydrants	ns		jurisdiction boundaries police stations water systems				
16.	Wha	at natural h	nazards is you	r jur	isdiction subject to?				
		brush / fo earthqual flood riverii coast hail hurricane	ke ne cal		landslide / mudflow / debris flow lightning snow load soil liquefaction soil subsidence special wind region		swelling soil tornado tsunami volcano none other		
17.				s be	elow are addressed in your jurisdiction's	add	itions deletions or		
			to adopted bu			auu	idono, deletiono, or		
		brush / fo earthqual flood in rivering coast hail hurricane	ke ne tal	0000	landslide / mudflow / debris flow lightning snow load soil liquefaction soil subsidence special wind region		swelling soil tornado tsunami volcano none other		
17A.	lder			s of	applicable ordinances.				

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18.	Does the jurisdiction have a written plan or strategy that outlines mitigation activities following a natural disaster?								
	□ yes	□ no							
	If yes, what is	the name of the	plan?						
18A.	18A. Does the jurisdiction have a written plan to address the surge in building permit requests and inspections associated with post-disaster reconstruction after a catastrophic event?								
	☐ yes	□ no	☐ does not apply						
18B.	3. Do you have a written agreement in place with other building code enforcement agencies to share resources when addressing post-disaster reconstruction issues?								
	□ yes	□ no	☐ does not apply						
18C.					n information or policies related to bject to natural hazards?				
	☐ yes	□ no							
	(a) If yes, wha	at is the name o	f the plan?						
19.	value, in the jurisdiction for the new construction as well as								
	(a) Commerc	ial		Multifa	amily				
	(b) Residentian 1 and 2 fa	al amily	Mar	ufactured	/ modular homes				
20.	How does the	building depart	tment establish the pe	ermit valua	ation?				
		uilding code tabl uilding code tabl	le without revision le with revisions		builder / contractor other				
Ÿ.	If other, desc	ribe:							
. 21.	How does the	e jurisdiction fun	d the operations of th	e building	code enforcement department?				
	☐ general fo		☐ enterprise syste						
	□ combinat □ other	ion: general fur	nd% ente	rprise sys	tem%				
		rihe:							
					end of the questionnaire for each				
22.			or contract inspector						
	Indicate how many employee data sheets you have completed and submitted:								

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I. ADMINISTRATION OF CODES

1. Indicate the model codes currently enforced and show when each became effective.

		<u>INT'L</u>	NFPA	<u>Other</u>	Edition / Revision <u>Year</u>	Effective Year
(a)	Building Code					
(b)	1 and 2 Family Dwelling Code					
(c)	Commercial Electrical Code					
	Residential Electrical Code					
(d)	Commercial Mechanical Code					
	Residential Mechanical Code					
(e)	Commercial Fuel Gas Code					
	Residential Fuel Gas Code					
(f)	Commercial Plumbing Code					·
	Residential Plumbing Code					
(g)	Commercial Energy Code					
	Residential Energy Code					
(h)	Commercial Wildland-Urban Interface					DNA
	Residential Wildland-Urban Interface					DNA
(i)	Commercial Existing Building Code					
	Residential Existing Building Code					
(j)	Other					·
	If other, describe:					
IA.	Provide the ordinance / statute number	adopting	the curr	ent build	ing code:	
	Commercial	····	Re	esidential		
2.	If using model codes, have the structural hazards been weakened by amendmen				led to mitigate	against natural
	Commercial ☐ yes ☐ no	F	Residentia	ai □ y	es 🛭 no	
3.	Provide a copy of local amendments to additional sheets if necessary.	the stru	ctural des	sign prov	isions of the n	nodel code. Attach
	Briefly explain the reasons for the amer	ndments	•			
3A.	Does the jurisdiction contain natural ha nationally recognized building code org			pecial atte	ention accordi	ing to the
	□ yes □ no					

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3B.	Does the jurisdiction adopt and implement codes, without structural amendments, within one year of the nationally recognized organization's publication date?					
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no					
3C.	Does your jurisdiction adopt and enforce a residential sprinkler ordinance?					
	□ yes □ no					
	If yes attach a copy of the ordinance					
	For questions 4 and 5, if you have a joint department, such as a building / zoning department or building / engineering department, exclude funds for activities other than the building department.					
4.	What were the operating expenditures, including salaries and overhead, for all building department activities during the reporting period? \$ ☐ INA					
4A.	What are the gross receipts generated through building code enforcement activity (e.g., permit fees, plan review fees and penalties)? \$ □ INA					
5.	What were the building department's training expenditures in the reporting period? \$ □ INA Note: Expenditures include course fees, meals, and travel expenses but not salaries for the time spent in training.					
6.	Does your department pay certification examination fees?					
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no					
7.	Does your department provide incentives, such as spot bonuses, salary increases, and promotions, for an employee to obtain outside training / certification?					
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no					
	If yes, describe:					
8.	Does your department fund continuing education activities or provide financial incentives for continuing education?					
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no					
9.	Does your jurisdiction have a formal appeal process?					
	Commercial □ yes □ no Residential □ yes □ no					
	(a) If yes, does it differ from that outlined in the adopted code?					
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no					
	If yes, explain:					

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10.	 Indicate the authority that would commonly act upon appeals to the Building Official's contemporaries. 					
		board of appeals		□ city / to □ mayor □ other	wn council	
	If other, describe:		· · · · · · · · · · · · · · · · · · ·			
11.	Complete the nameducation is received					enforcement
	Name		Occupation	Hours	Commercial Board	Residential Board
		,,,,,,,, -				
		-				
12.	Does your state or personnel for certi			d program for	construction co	ode enforcement
	Commercial \Box	state	local 🛚 ag	ency 🚨	none	
	Residential	state	local 🗆 ag	ency 🚨	none	
	(a) If yes, indicate	which codes:				
	Commercial					
	building	☐ electrical	☐ mechanical	☐ fuel gas	□ plumbing	
	Residential					
	building	□ electrical	☐ mechanical	☐ fuel gas	plumbing	
12A.	Does the certificated				mplete code-sp	ecific
	Commercial	state 🛚	local 🗆 ag	jency 🗖	none	
	Residential	state 📮	local 🗆 ag	jency 🗆	none	
	(a) If yes, indicate	which codes:				
	Commercial					
	building	□ electrical	☐ mechanical	☐ fuel gas	plumbing	
	Residential					
	building	□ electrical	□ mechanical	☐ fuel gas	plumbing	

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IZD.	Does the certifica	don / licensing p	nogranii iriciu	ae continuing	Cuucalion	
				□ agency □ agency	□ none □ none	
	(a) If yes, indicate	e which codes:				e e e e e e e e e e e e e e e e e e e
	Commercial building Residential	☐ electrical	□ mechani	cal 🛭 fuel (gas □ plur	nbing
	□ building	☐ electrical	☐ mechani	cal 🚨 fuel 🤉	gas 🚨 plur	mbing
12C.	If the certification recertification?	/ licensing prog	ram requires	continuing edu	ucation, what	is the interval for
•	Commercial building fuel gas		ctrical mbing		mechanical	
	Residential building fuel gas		ctrical mbing		mechanical	·
13.	If there is a mand receive certification					rcement personnel
			local local	□ agency □ agency	□ none □ none	
	(a) Indicate which	h codes:				
	Commercial building Residential building	☐ electrical☐ electrical☐	□ mechan			
	(b) If not, must p				•	
	Commercial					
٠	(c) If yes, specif			· ·	<u>.</u> .	
	Commercial	· ·	•			
	building fuel gas	· 				ical
	Residential					
	building fuel gas		electrical _ plumbing _		mechan	ical

14.	Indicate the qualifications of the current Building Official:							
	□ CBO ICC certified Bu □ licensed engineer / a □ other	•	equivalent					
	If other, describe:							
14A.	Education:							
	 □ high school diploma College level degree: □ associates degree □ bachelors degree □ masters degree □ other type of degree 							
14B.	•				ence in Years	····		
		No experience	Less tha	n 2 2 to	5 More th	an 5		
	Construction							
	Code Enforcement							
	Building Official							
15.	How does the jurisdictio	n select the Build	ing Officia	! ?				
	☐ examination – descri	be type of exam:						
	□ peer review by other□ promotion□ otherIf other, explain:	-			vice, model cod	de, CBO, etc.)		
16.	Does a job description e	exist for the Buildi	ng Official	?				
	□ yes □ no							
	If yes, please attach a c	ору.						
17,	Which department revie minimum local National					ance with		
	building departmentzoning department		0		does not contai	n a floodplain		
	If other, explain:					· · · · · · · · · · · · · · · · · · ·		

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18.	development?	ance(s) does the ju	irisdiction use for floc	aplain construction /
	building codeordinance consisterzoning / subdivision	_		tion does not contain a floodplain
	If other or none, explain			· · · · · · · · · · · · · · · · · · ·
19.	Does your jurisdiction ha		or subdivision provisi	ons related to local natural
	Commercial uge	s 🗆 no 🗀 do	es not apply	
	Residential	s □ no □ do	es not apply	
	Critical facilities ye	es 🗆 no 🖵 do	es not apply	
	If yes, describe:			
20.	Does your state or local or registered?	jurisdiction require	e contractors, builders	, and tradespeople to be licensed
	Commercial state	□ local	☐ agency	none
	Residential state	□ local	□ agency	□ none
	(a) If required, which tra	ades are licensed o	or registered?	
.5:	Commercial			
	☐ building ☐ e	lectrical 🚨 mecl	nanical 🔲 fuel gas	plumbing
	Residential			
	☐ building ☐ e	lectrical 🔲 mec	nanical 🚨 fuel gas	plumbing
21.	Does your state or loca by:	l jurisdiction require	e contractors, builders	s, and tradespeople to be licensed
	(a) examination?			
	Commercial 🛚 :	state 🗀 loca	i □ agency	☐ none
	Residential 🚨	state 🔲 loca	ıl □ agency	□ none
	Which trades requi	re examination?		
	Commercial			
	🗆 building 🔲 e	electrical 🔲 med	hanical 🔲 fuel gas	s 🛘 plumbing
	Residential			
	🗆 building 🗀 e	electrical 🔲 med	hanical 🔲 fuel gas	s 🗖 plumbing

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	(b) expe	erience?						
	Con	nmercial	□ state	e [local		agency	□ none
	Res	idential	☐ state	e [local		agency	□ none
	Whi	ch trades r	equire e	xperience	?			
	Con	nmercial						
		ouilding	□ elect	rical 🗆	i mechanical		☐ fuel gas	□ plumbing
		idential ouilding	□ elect	rical E	I mechanical		☐ fuel gas	□ plumbing
22.		Ŭ					completion of	
<i>LL</i> .		us requirer		ung com	raciors to ens	ouie	Completion of	a project:
	☐ yes							
23.		e building construction	•	ent have	a public awar	ene	ess program to	r building code enforcement
	☐ yes		no	☐ do	one by anothe	er de	epartment	
	(a) If ye	es, in which	of the fo	ollowing a	reas?			
	□ presentation to civic groups, architects, contractors, trade schools □ Internet or web site □ pamphlets for general public □ newspaper □ TV / radio □ newsletters □ other						general public	
	(b) Indi	cate exper	nditures f	or this ac	tivity during th	ne p	eriod: \$	
	(c) Indi	cate the nu	ımber of	staff hou	rs spent in thi	s a	ctivity during th	ne period: hrs
24.		e jurisdicti constructi				a pu	blic awarenes	s program for flood mitigation
	□ yes		no	□ de	one by anothe	er d	epartment	
	(a) If ye	es, in which	of the fo	ollowing a	reas?			
	<u> </u>	presentat Internet o newspape newslette	r web sit er		s, architects, o		TV / radio	schools r general public
25.	Does th	e building	departm	ent partic	ipate in code	cha	inge activities?	?
	☐ yes		no					
	(a) If ye	es, in which	n organiz	ations ar	e you active?			
		CC	□ NF	PA	☐ State		□ other_	

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	building codes?
	□ yes □ no
	(c) If you are active in one or more organizations, which meetings do building department members attend?
	□ midyear meetings □ chapter meetings □ don't attend meetings
26.	Does an active Building Officials' association or code chapter exist in the jurisdiction's area?
	□ local □ state □ no association or chapter
27.	Which of these associations does your jurisdiction participate in?
	□ local □ state □ none
28.	Does the building department have written administrative policies and procedures covering items such as performance guidelines for employees and employment practices?
	□ yes □ no
29.	If you are active in one or more organizations, which meetings do building department members attend? midyear meetings
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no

II.	PLAN REVIEW							
1.	How many plan re	views did	the depa	rtment perfo	orm during t	he reporting pe	eriod?	
2.	Provide the number	er of plan	reviews r	equiring ins	pection for e	each category:		
Co	mmercial / Multi Fan	nily E	Building	Electrical	Fuel Gas	Mechanical	Plumbing	Total
	ew Buildings		<u> </u>					
Ac	lditions							
Re	enovations						· · · · · · · · · · · · · · · · · · ·	
	anufactured / Modula							
	Other Building Relate							
В (Other Non Building R	elated						
					Commerci	al / Multi Fami	ly Subtotal	C.
Re	esidential	E	Building	Electrical	Fuel Gas	Mechanical	Plumbing	Total
Ne	ew Buildings							
Ac	lditions (includes gar	ages)						•
Re	enovations							
	anufactured / Modula							
	Other Building Relate							
F _R (Other Non Building R	elated						
						Residential S	Subtotal	C.
3.	Note B plan reviev	al / Multi Fa	uilding rela mily Subto	tal + Resident	ial Subtotal =		mily and com	mercial
	□ yes □	no	☐ so	me:	%			`
•	(a) If yes, does th compliance w						uired plans fo	r
	yes	□ no						
4.	Does the jurisdicti projects, other that			etailing struc	tural criteria	a for all 1 and 2	2 family dwell	ing
	□ yes □	no	☐ so	me:	%			
	If some, explain:							
4 <i>P</i>	a. Does the building review on all new	departme	ent, or oth amily dwe	er authority, ellings?	conduct a	detailed structu	ıral building o	ode plan
	□ yes □	no	□ so	me:	.%			
	If some, explain:							

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4D.	require detailed structural plan review of 1 and 2 family dwellings by the Building Official or qualified designee?							
	□ yes □ no							
5.	Does the building department perform a detailed building code plan review when a registered design professional, certified in the appropriate field, has signed and sealed the plan?							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
5A.	Do building department plan reviews include a review of structural design issues, such as continuous load paths, design-load assumptions, and calculation methodology?							
	Commercial yes no some: % Residential yes no some: %							
6.	Does the department maintain detailed records of plan review activity as described below? Note: Detailed records would eliminate the need to estimate in the plan review detail table on the previous page. Records should include number of plan reviews conducted by the department or other approved agency, type of project reviewed (e.g., new, renovation, addition), codes reviewed against (e.g., building, mechanical, fuel gas, plumbing, electrical), and date of release.							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
7.	Does the jurisdiction require Federal Emergency Management Agency (FEMA) NFIP elevation certificates for construction and development in the floodplain?							
	 □ yes □ jurisdiction does not contain a floodplain □ construction is prohibited in the floodplain 							
	(a) If no, what elevation data does the jurisdiction collect during the permit process?							
	☐ flood zone ☐ base flood elevation ☐ lowest floor elevation ☐ none							
8.	Does the jurisdiction require the following special design certifications for new or substantially improved construction and development in the floodplain?							
	(a) FEMA (coastal) V-zone design certification – CFR 60.3 e (4)							
	☐ yes ☐ no ☐ does not apply							
	(b) nonresidential floodproofing design certification							
	☐ yes ☐ no ☐ does not apply							
	(c) engineered flood openings certificate							
	☐ yes ☐ no ☐ does not apply							

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9.	Does the jurisdiction enforce and implement state regulations affecting construction and development in the floodplain?							
	□ yes □ no □ does not apply							
	(a) If yes, indicate some examples:							
	☐ freeboard ☐ more restrictive floodway ☐ erosion setbacks ☐ other							
	If other, describe:							
9A.	If another authority regulates construction and development in the floodplain, what is that authority?							
10.	Does the building department rely on model code evaluation reports to approve new products and procedures related to building design revisions?							
	□ yes □ no							
	(a) If yes, check applicable boxes:							
	□ ICC □ NFPA □ NES □ State □ other							
	(b) If no or other, how does the building department evaluate new products or procedures?							
11.	Does department policy require the use of a detailed written checklist in the plan review process?							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
	If yes, please attach a copy.							
	(a) If yes, does the checklist become a part of the permanent record?							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
12.	How does the building department evaluate the performance of plan reviewers? Check all that apply.							
	□ performance not evaluated How often?							
	☐ general employee performance							
	☐ follow-up plan review							
	□ other							

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3.	Does the building department use an outside plan review service, such as the state, or a third party plan review agency?
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no
	(a) If yes, complete an Employee Data Sheet and explain reasons:
	☐ time constraints ☐ complexity ☐ special features ☐ other:
	Name(s) of outside plan review service(s)

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III. <u>I</u>	NSPECTION -	ENFORCE	<u>MENT</u>						
1.	Indicate the number of inspections completed for all types of inspections, including reinspections, during the reporting period:								
2.	 Provide the number of inspections for each category: (Do not include zoning, property maintenance, and fire prevention.) 								
Commercial / Multi Family Building Electrical Fuel Gas Mechanical Plumbing									
	v Buildings								
	litions								
	ovations	dular.							
	nufactured / Mod ther Building Re								
	ther Non Buildin			 					
	inci itori Ballalli	g r tolatoa			Commerci	al / Multi Fami	lv Subtotal	c.	
						ar i i i ar i i ar i i	.y oubtotu.	l1	
				I			T ·	r=	
	idential		Building	Electrical	Fuel Gas	Mechanical	Plumbing	Total	
	v Buildings litions (includes	aoroaco)							
	intions (includes	yarayes)							
-	nufactured / Mod	dular							
	ther Building Re				· · · · · · · · · · · · · · · · · · ·	72/10/11			
	her Non Buildin								
				•		Residential S	ubtotal	C.	
3.	Note A inspections are building related; for example, barns, sheds, roofing, siding, decks, demolition, and house moving, among others Note B inspections are not building related; for example, pools, signs and fences Note C Commercial / Multi Family Subtotal + Residential Subtotal = 1 above								
	gas, and mecl					•			
3A.	Does the build	ling departr	nent condu	ct building ir	spections o	on new 1 and 2	family dwell	ings?	
	☐ yes	□ no	☐ so	me:	%				
	If some, expla	in:			.				
3B.	Does the build sheathing or in					rs for footing, f	oundation, fr	aming,	
	Commercial	☐ yes	□ no	Re	esidential	□ yes □ r	10		
3C.	Does the build	ding departr	ment condu	ct building ir	nspections o	on new multifar	mily dwellings	s?	
	☐ yes	□ no	☐ so	me:	%				

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If some, explain:

3D.	Does the building department conduct building inspections on new commercial buildings?							
	□ yes □ no □ some:%							
	If some, explain:							
3E.	Does the building department maintain detailed records of inspection activity as described below? Note: Detailed records would eliminate the need to estimate in the inspection detail table on the previous page. Records should include number of inspections and reinspections conducted by the department or other approved agency and the codes inspected against (e.g., building, mechanical, fuel gas, plumbing, electrical).							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
4.	Does the department use an outside inspection service, such as the state, or a third party inspection agency?							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
	(a) If yes, complete an Employee Data Sheet and explain reasons:							
	☐ time constraints ☐ complexity ☐ special features ☐ other:							
	Name(s) of outside inspection service(s)							
	(b) Must all outside inspectors be certified? □ yes □ no							
5.	Does your jurisdiction have the authority to issue stop work orders?							
	☐ yes ☐ no ☐ INA / DNA If no, explain:							
	(a) If yes, how many stop work orders did the jurisdiction issue in the reporting period? ☐ INA / DNA							
	(b) If the jurisdiction did not issue any stop work orders in the reporting period, provide the date of the last one issued: ☐ INA / DNA							
6.	During the reporting period, what approximate percentage of construction inspections received correction notices requiring reinspection?%							
7.	During the reporting period, what approximate percentage of construction inspection correction notices resulted in stop work orders?%							
8.	Does department policy require the use of a detailed written checklist for code compliance during on-site inspections?							
	Commercial ☐ yes ☐ no Residential ☐ yes ☐ no							
	If yes, please attach a copy.							

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	(a) If yes, does	the checklis	t become a	a part of the permanent record?					
	Commercia	l □ yes	□ no	Residentia	al 🗆 yes	□ no			
9.	Does the building	ng departme	nt require s	special inspections for	specific str	uctural elements	s?		
	•	☐ no iples:							
	Attach addition	al sheets if n	ecessary.						
10.	Does the jurisdi	iction require	special in	spectors to be certified	d by:				
	□ exam □ other		experience	□ inte	•		·		
	☐ no certificati	on required			•				
11.	Does the jurisdiction have inspection programs that focus on construction features that mitigate the natural hazards common to your area? Note: Examples of such programs include load path inspections, such as hold downs, shear wall and roof diaphragm nailing patterns, and hurricane clips.								
	□ yes	□ no	☐ doe	es not apply					
	If yes, explain:					- 4			
							·		
12.	Does the depart	•	m final ins	pections after the build	ding is comp	pleted and before	e issuing		
	Commercial:	□ yes	□ no	☐ this building type	e not inspec	ted			
	Residential:	□ yes	□ no	☐ this building type	e not inspec	ted			
13.	Does the jurisd occupied?	iction require	e certificate	es of occupancy for ne	w buildings	before the build	ing is		
	Commercial:	□ yes	🗆 no	☐ this building type	e not inspec	ted			
	Residential:	☐ yes	□ no	☐ this building type	e not inspec	ted			
14.	How does the	department e	evaluate the	e performance of insp	ectors? Che	eck all that apply	/ .		
	□ performance	e not evalua	ted		How ofte	n?			
	☐ general employee performance☐ field follow-up inspection☐ other								

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	This form should be filled in by bui	lding code	enforceme	ent pers	onnel. F	Please exclude time spent on prope	erty maintena	ance, zonin	g, etc.		
	Name of ☐ Jurisdiction ☐ County ☐ State	☐ Agency	y			:	State	_ Survey [Date	1 1	
	Employee Name					Title					
1.	Continuing education & training hours (use	the previo	us 12 moı	nths or	annual (compilation - see Glossary):					
	Administration of codes Being mentored in application of codes			_ hr(s) _ hr(s)		Legal aspect of code enforcement Technical aspect of code enforce		· · ·	hr(s) hr(s))	
2.	Code enforcement experience:										
	(Further break down this total number of years by Over the course of your career, how many of the	above tota	2a. – 2c. k al years we — — I only)	pelow) ere	/r(s) /r(s)	Total number of years in the consequence (exclude work as a code enforce Total number of years working in	ment employ this jurisdict	/ee)			
4.	Responsibilities - for each entry below indicate										
••	Average weekly hours worked			Averag	e weekly	y hours spent in administrative time	e by the build	ding official			-
	Number of hours supervising plan reviewers	r field insp	hr(s) ectors sho	Numbe	r of hou ncluded	rs supervising field inspectors as plan reviewer or field inspector	n items A th	hr(s) rough T be	low.	`	
	Commercial: further break down the weekly	C	ertified By			Residential: further break down	the weekly		Certified By		
	average hours into the following categories:	Adopted Code	State	Other	ISO use	average hours into the following		Adopted Code	State	Other	ISO use
	A D. C. V. B. Steller a fee and a Asset					Maria Duilding income	-4				

Commercial: further break down the weekly average hours into the following categories:			Certified By				Residential: further break down the weekly		Certified By				
			Adopted Code	State	Other	ISO use		average hours into the following categories:		Adopted Code	State	Other	ISO use
Α	hr(s)	Building inspector					Κ	hr(s)	Building inspector				
В	hr(s)	Electrical inspector					L	hr(s)	Electrical inspector				
С	hr(s)	Mechanical inspector				0	М	hr(s)	Mechanical inspector				
D	hr(s)	Fuel Gas inspector					Ν	hr(s)	Fuel Gas inspector				
E	hr(s)	Plumbing inspector					0	hr(s)	Plumbing inspector				
F	hr(s)	Building plan reviewer					Р	hr(s)	Building plan reviewer				
G	hr(s)	Electrical plan reviewer				0	Q	hr(s)	Electrical plan reviewer				
Н	hr(s)	Mechanical plan reviewer			0		R	hr(s)	Mechanical plan reviewer				
	hr(s)	Fuel gas plan reviewer					S	hr(s)	Fuel gas plan reviewer				
J	hr(s)	Plumbing plan reviewer			О		Т	hr(s)	Plumbing plan reviewer				

Please explain "Other" if marked in A through T above: ___

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Addition – Construction that increases the square footage or the footprint of a building. This type of work requires structural components. Benchmarks for plan review and inspections are equivalent to those used for new buildings.

Administration – Time spent running the department, dealing with budget issues, coordinating with other departments, and resolving personnel problems. Administration time does not include time spent supervising individual staff members. Administration time is for Building Officials only.

Building Official – The head of the department that performs construction inspections and plan reviews.

Building Code – Jurisdictions earn credit by adopting and enforcing the latest code edition of a nationally recognized building code organization. The organization must also provide training, individual certification, and product / procedure evaluation services to be considered a nationally recognized building code organization. Jurisdictions can earn partial credit for adopted regulations not developed by a nationally recognized building code organization. Jurisdictions may also earn partial credit if state or local amendments modify or delete provisions for natural hazard mitigation within the adopted nationally recognized building codes. ISO will compare the adopted code to the latest edition of nationally recognized building codes.

Certified – An individual is certified when he or she has met the minimum training and testing requirements specified by a nationally recognized building code organization or equivalent.

Construction code enforcement personnel – A person engaged in performing plan reviews and / or field inspections to determine compliance with a building, plumbing, mechanical, fuel gas, energy, urban / wildland, or electrical code. May also include personnel certified in an element of building code enforcement whose primary function is customer service. For the purposes of the BCEGS program, zoning code, property maintenance, and fire prevention code enforcement related to property maintenance are excluded.

Commercial – Includes buildings or structures or any appurtenances connected or attached to such buildings or structures i.e. industrial, multifamily.

Critical Facilities - Structures or facilities that produce, use, or store highly volatile, flammable, explosive, toxic and / or water-reactive materials; hospitals, nursing homes, and housing likely to contain occupants who may not be sufficiently mobile to avoid death or injury during a flood; police stations, fire stations, vehicle and equipment storage facilities, and emergency operations centers that are needed for flood response activities before, during, and after a flood; and public and private utility facilities that are vital to maintaining or restoring normal services to flooded areas before, during, and after a flood.

Employee Data Sheet – Complete this form, included at the end of the questionnaire, for each code enforcement employee or contract inspector / plan reviewer. You must follow the following guidelines when completing this form:

- 1. Only Building Officials may indicate responsibility in the **Administration** field.
- 2. The hours you list in the **Administration** field and items **A** through **T** should equal the total hours you spend in code enforcement.
- 3. If you list hours in the **Supervise Plan Review** field, you must record at least that number of hours for plan review activities in items **A** through **T**.

BUILDING CODE EFFECTIVENESS GRADING SCHEDULE GLOSSARY

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4. If you list hours in the **Supervise Field Inspectors** field, you must record at least that number of hours for field inspector activities in items **A** through **T**.

Enterprise System – An accounting method used when fees collected by the building department provide funding for department expenses. This system is common with independent or third party agencies.

Fair Market Value - The agreed-upon price of a willing buyer and seller without undue pressure.

General Fund – An accounting method used when the jurisdiction deposits fees collected by the building department into a specific line item or a general fund. The fund provides for the department's expenses. This system is common when the department is part of the jurisdiction's governing body.

General or Comprehensive Plan - The local comprehensive plan is the adopted official statement of a local government's legislative body that sets forth goals, policies, and guidelines intended to direct the present and future physical, social, and economic development within its planning jurisdiction. The plan includes a unified strategy for the public and private development and conservation of land and water.

Inspection – A construction site visit made to determine compliance with construction standards. One inspection determines compliance for one trade. A cross-trained inspector can perform multiple inspections during a single site visit. The BCEGS program tracks the number of inspections, not the number of site visits. The inspection count should include inspections for remodel / addition projects as well as those for new construction. The inspection count should also include reinspections.

Jurisdiction – The common name for the area — with defined political boundaries — served by the building department. Jursidictions include, but are not limited to, cities, towns, townships, boroughs, villages, counties, and parishes.

Plan Review – The plan review process shall occur before the department issues a permit. The Building Official shall examine or cause to be examined the accompanying construction documents and shall ascertain by such examination whether the construction indicated and described is in accordance with the requirements of the adopted building code and any other pertinent laws or ordinances. All buildings not classified as 1- and 2-family dwellings are commercial buildings. Due to the inherent complexity of commercial buildings, the BCEGS program does not include a guide for plan review of those structures.

Plan Review, 1- and 2-Family

The following six items represent the <u>minimum</u> acceptable level of plan review for inclusion in the BCEGS program.

- 1) Plot Plan
 - location of the building on the site, as well as required setbacks, easements, property lines
- 2) Footing / Foundation
 - minimum frost depth
 - for basement and crawlspace construction, a description of footing material and dimensions, as well
 as foundation wall material and dimensions and maximum depth of unbalanced fill being supported,
 and dimensions of any internal piers
 - for slab-on-ground construction, a description of the slab and haunch details used

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3) Wood-Framed Floors

live loads being supported, size of joists, type of joist (solid sawn or engineered), span of joists, spacing of joists, minimum required wood grade of joists, span / material / dimensions of intermediate girders, anchorage requirements (anchor bolts / straps — number, spacing, size, etc.), type / minimum required grade of floor sheathing

4) Wood-Framed Walls

- size (2x4, 2x6) and spacing of studs, minimum required wood grade
- size / span / material of headers
- type of lateral support (structural sheathing, let-in braces, etc.)

5) Wood-Framed Roofs

 live loads being supported, size of members, type of member (solid sawn, truss, or other engineered item), spacing, minimum required wood grade of members, means of anchorage to wall

6) In Areas of High Wind or Seismic Loading

- a description of shearwall construction / location or other means used to counteract horizontal or overturning forces
- a description of the methods used to establish continuous load paths in the structure

Prototype Plan Review – Jurisdictions conduct prototype plan reviews when developers propose multiple residential structures with varying floor plans and elevations but essentially identical structural components. ISO uses special calculations to determine workloads. To expedite the process, the Building Official should gather the following information:

- the number of models per subdivision proposed during the reporting period
- the total number of units per subdivision proposed during the reporting period
- the average time spent in plan review for each model plan submitted
- the average time spent reviewing each prototype for each plan submitted

Renovations – The removal, replacement, or covering of existing interior or exterior finish, trim, doors, windows, or other materials, with new materials that serve the same purpose and do not change the configuration of the space. Renovations include the replacement of equipment and fixtures.

Residential - Detached one and two family dwellings and multiple single family dwellings (townhouses) not more than three stories in height with a separate means of egress and their accessory structures. It is important to note that a separate means of egress is a key element in distinguishing a multifamily dwelling from a 1- and 2-family dwelling.

Special Inspections – When a building department does not have the expertise or equipment to conduct a special inspection, the department typically brings in private inspection agencies. Special inspections include, but are not limited to, soil compaction testing, concrete testing, steel-frame bolt inspection, and inspection of welded structural assemblies, as defined by the model codes. After each special inspection, the building department often requires a written report on the status of the inspection. Special inspections occur most frequently in commercial construction.

Supervising Field Inspectors – Time spent coordinating the efforts and work loads of field inspectors and helping interpret the code as it applies to specific conditions in projects under construction.

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Supervising Plan Review Staff – Time spent coordinating the efforts and workloads of plan reviewers and helping interpret the code as it applies to a project being reviewed.

Third Party Agency – A provider of building code enforcement that does not distinguish service levels based on jurisdictional boundaries. Typically, an agency can not differentiate the workload or staffing numbers for the communities they serve, nor are they able to respond to questions contained in the jurisdiction questionnaire.

Training, Administration – Education in the internal workings of a building department. This includes training on permit processing and tracking, budgeting, staffing, supervising, managing, and public service issues.

Training, Legal – Education in the aspects of code enforcement affected by, and pertaining to, the legal rights, obligations, liabilities, and immunities of code enforcement staff, building owners, and contractors.

Training, Technical – Education in aspects of code enforcement relating to the interpretation and enforcement of specific technical requirements as defined in the text of the various model codes.

Training, Mentored – One-on-one education in several aspects of code enforcement, including technical, legal, and administration. A common mentoring technique involves a senior field inspector accompanying a junior field inspector to provide construction site instruction on specific issues and conditions about performing inspections.