Estimated costs of the 2015 IRC / IECC code change

Summary of cost impact ranges

Climate Zones			1 & 2		3-8		
			Range				Applicability
Description	2015 IRC Reference	Report Reference	High ($)	Low ($)	High ($)	Low ($)	
Footing Size	R403	FDN1	$406	$0	$508	$0	If snow load is less than or equal to 30 psf & soil has bearing capacity of at least 2,000 psf
Garage (CS-PF)	R602	FR1	$0	($808)	$0	($808)	If garage front sidewalls are narrow and opening is wide, as with 2-car garages
King Studs, Zones 1&2	R602	FR2	$253	$69			Based on 2x4 construction and the window opening widths in the reference houses
King Studs, Zones 3 thru 8	R602	FR2			$317	$0	Based on 2x6 construction and the window opening widths in the reference houses
Box nails in lieu of common	R602	FR3	$328	$259	$328	$259	Where pneumatic nailing equipment is used
Condensate pump wired to air handler	M1411.4	HVAC1	$29	$0	$29	$0	If design has an air handler in unihabitable location like attic
Isolated combustion room	N1102	HVAC2	$878	$214	$878	$214	If furnace and water heater are natural draft and equipment is in the basement, attic, or garage
Seal snap & button lock duct seams	N1103	MAT1	$215	$103	$314	$232	If a ducted HVAC system is used ; ranges assume slab houses in CZ1-2; basements in CZ3-8
Plumbing fixture flow rates adjusted for green building	P2903.1	PL1	$0	($14)	$0	($14)	If fixtures with lower flow rates are used
No pipe Insulation on 1/2" or less diam.	N1103	PL2	($149)	($331)	($287)	($456)	If prescriptive path to EE is followed
TOTAL			$1,961	($507)	$2,088	($572)	

Cost impacts for non-typical features

Climate Zones			1 & 2		3 through 8		
			Range				
Description	2015 IRC Reference	Report Reference	High ($)	Low ($)	High ($)	Low ($)	Applicability
CAZ Testing	R201	AA1	$207	$157	$207	$157	If Appendix T adopted & house has natural draft gas equipment
Carbon monoxide alarm	R315	FEA1	($58)	$0	($58)	$0	Applies to Remodeling special conditions
Zone V exterior door above break-away walls	R322	FEA2	$366	$0	$366	$0	Pier foundation in V Zone where interior door was installed at head of stairs
R-value of access panel to unconditioned area	R402, N1102	FEA3	$12	($55)	$12	($55)	If design has a wall-mounted access to an unconditioned area
Emergency exit from basement	R310	FEA4	$0	$0	$0	($1,555)	Applies to Remodeling special conditions
Safety glazing near stairs	R308	FEA5	$0	($181)	$0	($181)	Applies to certain designs with glass adjacent to stairs
3-Story	R301	FEA6	($2,196)	($2,416)	($2,196)	($2,416)	If wood structural panels are used for wind resistance instead of approved aluminum shutters
Retaining walls 2'-4' do not require engineered design	R404	FEA7	($450)	($450)	($450)	($450)	If the design included retaining walls from 2' - 4' in height
Zone A special flood hazard area - Slab Foundation	R322	FDN2	$14,269	$12,661	$14,269	$12,661	Slab foundation in A Zone
A Zone special flood hazard area - Pier Foundation	R322	FDN2	$96	$0	$96	$0	Pier foundation in A Zone
Treated Lumber Deck, 20'x14'	R507	FR4	$176	$0	$176	$0	If a treated lumber deck is added, joist & beam span or spacing reduction may be required.
High-heeled trusses (12")	R301	FR5	($719)	($388)	($719)	($388)	If trusses with heel heights greater than 15 1/4" are used
Braced Wall Line	R602	FR6	$0	($1,150)	$0	($1,150)	Range of engineering fees that could be saved if braced walls for irregularly-shaped house designs do not require engineering
Add central AC condensate pump when equipment is in uncond. Space	M1411	HVAC1	$29	$0	$29	$0	If air handler is in undconditioned space as in slab units and some two zone systems.
Direct vent furnace and water heater (instead of isolated combustion room)	N1102	HVAC2	$883	$883	$883	$883	If furnace and water heater are direct vent so that equipment room does not have to be sealed
Kitchen exhaust fan, eliminate motorized damper	N1503.4	HVAC3	$0	($150)	$0	($150)	If 400 cfm kitchen fan was installed, the requirement for a motorized damper is eliminated.
Demand circulation pump	N1103.5	HVAC4	$568	$0	$568	$0	If a demand circulation pump system is added to the the water supply
Tropical Climate Zone added		LOC1	$0	($4,008)	$0	($4,008)	Special envelope features are allowed for small houses located between Tropics of Cancer and Capricorn.
ERI-Alternate Performance Method for Energy Efficiency	N1101, N1106	LOC2	$1,194	$1,121	$5,604	$1,337	If alternate performance method is selected
Engineered fastening schedules required for cladding in high wind speed zones and open terrain	R703.3	LOC3	$450	$0	$450	$0	If exposure category is C or D and wind speed zone is 115 mph or greater; special cladding type/fastening required
Duct diameter matched to fan flow	M1506/7	MAT2	$6	$2	$7	$2	If not previously engineered correctly
Spray polyurethane foam in exposed bandboards without thermal barrier	R316.5	MAT3	($176)	($159)	($260)	($235)	If exposed band boards are insulated with spray foam. NOTE: Only applies to houses with basements or exposed bandboards and through Climate Zone 5.
Deck joist hardware for tiedown	R507	MAT4	$0	($42)	$0	($42)	If the house has a deck
Submit Energy Anaylis Report at plan review	R405	METH2	$88	$0	$88	$0	If this option is selected
Submit Energy Anaylis Report at U&O	R405	METH3	$44	$0	$44	$0	If this option is selected
Emergency floor drain traps require evaporation protection	P3201	PL3	$203	$0	$203	$0	Applies when emergency floor drains are installed in a house