

IRC Review Committee
 Fiscal Impact Analysis of the 2009 IRC as amended
 (as of 6/2/10)

Fiscal Impact of Ch. 11	\$	22,876,000
Fiscal Impact of All Other Chapters	\$	32,708,730
TOTAL FISCAL IMPACT	\$	55,584,730

Section #	Description	Basement (9,000)	Crawl (1000)	Slab (2,000)	ALL (12,000)	Total	Notes & Assumptions
Table N1102.1	Low-E windows				\$300.00	\$3,600,000	\$20/window x 15 windows
Table N1102.1	Side wall insulation with R-3 continuously (with/without footnote h)				\$382.50	\$4,590,000	3/4 in Dow styrofoam = R-5 \$19.80/sheet; R-3 Dow Styrofoam \$11/sheet, difference is \$8-\$9/sheet x 45 sheets; applies to zone 5 = 64% of permits
Table N1102.1	R-30 to R-38				\$84.00	\$1,008,000	.06 difference/sq ft x 800 sq. ft = \$48; .06 x 2000 sq. ft = \$120; avg is \$84/sq. ft
N1102.2.3	Access hatches and doors				\$15.00	\$180,000	
	Access hatches and doors (crawl space door on outside)		\$25.00			\$25,000	
N1102.4.1	Building thermal envelope (caulking & foaming of penetrations)				\$55.00	\$660,000	
N1102.4.2.1	Testing option (for air sealing & insulation aka blower door test)				\$350.00	\$4,200,000	
	R-10 blanket on basement w/fire resistant barrier	\$537.00				\$4,833,000	.42/sq. ft; avg \$537 for 2 story & 1 story
N1103.1.1	Programmable thermostat				\$40.00	\$480,000	
N1103.2	Ducts (upgrade insulation from R-4 to R-8)				\$175.00	\$2,100,000	
N1103.2.2	Sealing (ducts)				\$80.00	\$960,000	
N1104.1	Lighting equipment				\$20.00	\$240,000	standard bulb .50 & CFL bulb \$3, difference is \$2.50; assume 8 permanent fixtures
TOTAL FISCAL IMPACT	CHAPTER 11 ENERGY EFFICIENCY					\$22,876,000	

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Section #	Description	Basement (9,000)	Crawl (1000)	Slab (2,000)	ALL (12,000)	Total	Notes & Assumptions
R310.1	Emergency escape and rescue required (basement window)	\$1,750.00				\$15,750,000	estimates \$850-3,500, avg = \$1,750
R403.1.3.2	Slabs-on-grade with turned-down footings (2 re-bar in footing)			\$75.60		\$151,200	\$4.20/bar x 18 pieces of re-bar
R404.1.2.2 & R404.1.2.3.7.4	Reinforcement for foundation walls & Support and cover (2 horizontal re-bars in 8' basement wall)	\$72.25				\$650,250	150 ft x 2 = 300; 20 ft re-bar x 17 pieces @ \$4.25 ea.; 20% lap for splices
R502.2.2.3	Deck lateral load connection				\$22.40	\$268,800	28% houses have decks x \$80
R506.2.3	Vapor retarder (visqueen under garage floor)				\$40.00	\$480,000	
R602.10.1.4	Sheath entire house*				\$405.00	\$4,860,000	45 x \$9/sheet of OSB
	Engineer wall panel				\$375.00	\$4,500,000	\$250-\$500 avg is \$375
R602.10.6.2	Portal frame with hold-downs				\$200.00	\$2,400,000	
R703.8	Flashing (membrane tape on all windows)				\$210.00	\$2,520,000	15 windows & 2 doors; material cost \$20/100 ft roll x 3 rolls = \$60 + labor \$10/window
M1307.3.1	Protection from impact		\$150.00	\$150.00		\$225,000	\$100/1 or \$150/2; assume 1500 homes x \$150/home
P2603.2.1	Protection against physical damage (stud guards)				\$17.29	\$207,480	existing .75 & new \$2.08, difference is \$1.33; 10-16 needed, avg = 13
E3404.2 (58-09)	Interrupting rating				(\$20.00)	\$ (120,000)	Savings of \$20/home where overhead service drops or long service laterals are used; assume 50% of homes
E3407.1 (59.5-09)	Grounding conductors				\$5.00	\$60,000	\$5/home in increased labor
E3705.3 (62.05-09)	Adjustment factor for conductor proximity				(\$50.00)	(\$600,000)	Savings of \$50/home in labor for all homes
E3905.13.2.2 (62.6.5-09)	Clamp fill				(\$50.00)	(\$600,000)	Savings of \$50/home for all homes
E4002.14 (63.5-09)	Tamper-resistant receptacles				\$48.00	\$576,000	Assume .80 increase/outlet x 60 outlets for all homes
E4101.5 (65-09R)	Disconnecting means				\$5.00	\$60,000.00	\$5/home for all homes
	<i>* If continuous sheathing meets the bracing requirements then addtl costs will be incurred (i.e. 1/2" foam board to meet energy req.; may require foundation to be larger on brick homes)</i>						
TOTAL FISCAL IMPACT	ALL OTHER CHAPTERS (I.E. STRUCTURAL, ELEC, MECH)					\$32,708,730	