

Hurricane Irma: Rebuilding Impact (Sales Tax)

Adopted Estimate...February 7, 2018

Part 1: Summary Data

Total Florida Damage (Insured & Uninsured) \$21.50 billion

Total Sales Tax GR Increase from Rebuilding \$353.43 million
 -minus- Rebuilding Collections Rec'd To Date \$110.48 million
 Remaining Rebuilding Sales Tax GR \$242.95 million

Sales Tax GR Split Between Fiscal Years:	Rec'd YTD	Remaining	Total	
FY 2017-18	\$110.48	\$125.12	\$235.60	66.7%
FY 2018-19	\$0.00	\$117.83	\$117.83	33.3%
Total	\$110.48	\$242.95	\$353.43	(millions)

Part 2: Detailed Analysis

ASSUMPTIONS: Reported data through December 2017 and an estimate for January will be incorporated fully into each analyst's normal sales tax estimates; leaving the remaining rebuilding component as a stand-alone, forward-looking add-on. Rebuilding occurs during the Recovery Phase.

GR Reporting Month	Activity Month	Phase	Final Liability Est	Final Liability Diff	Sales Tax Est	Sales Tax Diff
October	September	Preparatory / Crisis	2025.2	-138.4	1864.9	-124.7
November	October	Recovery	2049.1	63.2	1857.2	90.5
December	November	Recovery	2123.2	96.5	2016.9	45.5
January: Estimated	December	Recovery		59.5		50.7
Recovery Phase: November + December + January Estimate				<u>219.2</u>	<u>186.7</u>	
Nondurables				32.5		
Autos				72.9		
Other Durables				15.5		
Building				8.8		
Note: Tourism effect assumed complete; Business on estimate.				129.7		110.5
Percent of Total				59.2%		59.2%

Sales Tax GR Analysis...	Gross Sales Tax Estimate	Displacement Factor	Displacement Value	Net Sales Tax Estimate	Year-To-Date Rebuilding	Remaining Rebuilding
	623.72	0.433	-270.3	353.4	-110.5	242.95

NOTE: The Displacement Factor includes deductibles and uninsured expenses (from incidentals, going bare or uncovered flood damage) coming out of pocket.

- * According to FIU's Florida Public Hurricane Loss Model results, two-thirds of the total loss will be borne by homeowners (not insurance).
- * According to the HOUZZ Survey from October 2017, the average home damage was \$13,000, with 66% of the damage equaling \$10,000 or less.
- * According to OIR, typical deductibles for hurricanes range from \$500, to 2%, 5% and 10% of dwelling or structure value.
- * EDR performed an analysis of average deductibles based on OIR information:

	# of Claims	Average Value	Average Deductible (5%)	Average Loss	Out-of-Pocket	
Residential Property	721,745					
Homeowners	575,325	\$241,000	\$12,050	\$22,035	54.7%	
Dwelling	93,259	\$192,176	\$9,609	\$19,594	49.0%	Out-of-Pocket
Mobile Homeowners	53,161	\$71,200	\$3,560	\$13,545	26.3%	Simple Average
Weighted Average			\$11,109.22	\$21,094.57	51.9%	43.3%

Liability Conversion...

Remaining Sales Tax GR	Final Liability	Nondurables	Autos	Other Durables	Building
242.95	0.893	10.00%	3.00%	25.00%	62.00%
	272.06	27.21	8.16	68.02	168.68

Split of Final Liability Between Years...

Note: Assumes Rebuilding = 20 months; October 2017 thru May 2019 Activity months, hitting November 2017 thru June 2019 GR reports. October and November activity are already included in the historic (actual) data and January is estimated; so add-on begins with Jan activity in Feb report.

FY 2017-18

Nondurables	Autos	Other Durables	Building
50.00%	100.00%	50.00%	50.00%
13.60	8.16	34.01	84.34

FY 2018-19

Nondurables	Autos	Other Durables	Building
50.00%	0.00%	50.00%	50.00%
13.60	0.00	34.01	84.34