

**TABLE SET 6: ESTIMATED GENERATION RATE OF TSUNAMI DEBRIS AND TIA  
AREA REQUIREMENTS  
Tsunami Inundation Zone Based on FEMA Designation**

**Table 6-1**

**Primary Urban Center - Percentages of Debris and Site Requirements:**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, LIGHT VEGETATION, AND  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	5	55,759	1.43
Mixed Construction and Demolition	50	557,587	14.34
Burning But Requires Sorting	17	189,579	4.88
Soils	2	22,303	0.57
Metal	7	78,062	2.01
Landfilled	19	211,883	5.45
TOTAL	100	1,115,173	28.69

**Table 6-2**

**Ewa - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, LIGHT VEGETATION, AND  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	5	19,830	0.51
Mixed Construction and Demolition	35	138,809	3.57
Burning But Requires Sorting	27	107,081	2.75
Soils	2	7,932	0.20
Metal	5	19,830	0.51
Landfilled	26	103,115	2.65
TOTAL	100	396,596	10.20

**Table 6-3**  
**Central Oahu - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, HEAVY VEGETATION, AND  
 COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	10	0	0.00
Mixed Construction and Demolition	37	0	0.00
Burning But Requires Sorting	24	0	0.00
Soils	2	0	0.00
Metal	4	0	0.00
Landfilled	23	0	0.00
TOTAL	100	0	0.00

**Table 6-4**  
**North Shore - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, HEAVY VEGETATION, AN  
 COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	15	29,205	0.75
Mixed Construction and Demolition	25	48,674	1.25
Burning But Requires Sorting	39	75,932	1.95
Soils	3	5,841	0.15
Metal	5	9,735	0.25
Landfilled	13	25,311	0.65
TOTAL	100	194,697	5.01

**Table 6-5  
East Honolulu - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, HEAVY VEGETATION, AND  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	5	3,026	0.08
Mixed Construction and Demolition	48	29,049	0.75
Burning But Requires Sorting	17	10,288	0.26
Soils	3	1,816	0.05
Metal	7	4,236	0.11
Landfilled	20	12,104	0.31
TOTAL	100	60,518	1.56

**Table 6-6  
Koolaupoko - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, HEAVY VEGETATION, AND  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	2	3,090	0.08
Mixed Construction and Demolition	45	69,528	1.79
Burning But Requires Sorting	28	43,262	1.11
Soils	2	3,090	0.08
Metal	7	10,815	0.28
Landfilled	16	24,721	0.64
TOTAL	100	154,506	3.97

**Table 6-7**  
**Koolauloa - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, HEAVY VEGETATION, AN  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	15	23,213	0.60
Mixed Construction and Demolition	20	30,951	0.80
Burning But Requires Sorting	45	69,639	1.79
Soils	3	4,643	0.12
Metal	5	7,738	0.20
Landfilled	12	18,570	0.48
TOTAL	100	154,753	3.98

**Table 6-8**  
**Waianae - Percentages of Debris and Site Requirements**

TSUNAMI INUNDATION ZONE BASED ON FEMA DESIGNATION, LIGHT VEGETATION, AND  
COMMERCIAL/INDUSTRIAL/BUSINESS, STACK HEIGHT 20 FT, 2 CYCLES

MATERIAL	EST. %	CUBIC YARDS	SITE REQUIREMENTS (ac)
Clean Woody Debris	15	56,591	1.46
Mixed Construction and Demolition	42	158,456	4.08
Burning But Requires Sorting	14	52,819	1.36
Soils	2	7,546	0.19
Metal	7	26,409	0.68
Landfilled	20	75,455	1.94
TOTAL	100	377,275	9.70

## DSR SITE

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