

Selecting the Right Disaster Recovery Site

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Selecting the Right Disaster Recovery Site

A G E N D A

- I. Objectives
- II. Major Categories of Criteria
- III. Sub-categories of Criteria
- IV. Sources for Criteria
- V. Real Life Examples
- VI. Take-Aways

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I. Objectives

- **Initialization**
 - Describe decisions involving scope, quantity and weights
- **Identification**
 - Propose methods to identify site evaluation categories
- **Prioritization**
 - Show how to prioritize site selection criteria
- **Compilation**
 - Demonstrate techniques to compile and analyze rankings
- **Emulation**
 - Present examples of appraising various recovery sites

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II. Major Categories

- Weather/Climate
- Natural Disasters
- Man-Made Disasters
- Socio/Economic

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III. Major Sub-Categories

A. Weather/Climate

- # Days $> 90^{\circ}$ F
- # Days $< 32^{\circ}$ F
- # Days $> .01''$ Rain
- Inches of Snow/Year

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III. Major Sub-Categories

A. Weather/Climate (Cont')

- Avg Wind Speed
- Percent Humidity
- Percent Sunshine
- Percent Cloudy

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III. Major Sub-Categories

B. Natural Disasters

- Hailstorms
- Draughts
- Earthquakes
- Floods

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III. Major Sub-Categories

B. Natural Disasters (Cont')

- Hurricanes/Tropical Storms
- Percent Humidity
- Percent Sunshine
- Percent Cloudy

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III. Major Sub-Categories

C. Man-made Disasters

- Percent Excess Power
- Electrical Disturbances
- Likely Terrorists Target

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III. Major Sub-Categories

D. Socio/Economic

- Distance from Main DC
- Cost of Living
- Average Housing Cost
- Wages and Salaries

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IV. Sources

- Organizations
- Companies
- Gov't Agencies
- Subject Matter Experts

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IV. Sources

A. Organizations

- AFCOM
- DRJ/DRI
- CPM
- WECC
- NERC

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IV. Sources

B. Companies

- AT&T
- RentSys
- U.S. Diesel Engines and
Generators

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IV. Sources

C. Gov't Agencies

- FEMA
- NOAA
- NCDB

D. Subject Matter Experts

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V. Real Life Examples

A. Weather and Climate

B. Natural Disasters

C. Man-Made Disasters

D. Socio/Economic

V. RLE – Weather and Climate

City	Days > 90°	Days < 32°	Days >.01” rain	Inches of Snow	Wind In MPH	Percent Humidity	Percent Sunshine	Percent Cloudy	Total Pts
Southern California	22 (9)	0 (12)	35 (11)	0 (9)	6.5 (10)	67 (8)	73 (10)	72 (11)	80
Phoenix	168 (1)	5 (10)	36 (10)	0 (9)	6.2 (11)	37 (11)	78 (11)	70 (12)	75
Las Vegas	133 (2)	27 (8)	26 (12)	1 (8)	9.2 (7)	30 (12)	85 (12)	73 (10)	71
Northern California	1 (12)	1 (11)	66 (9)	0 (9)	9.3 (6)	71 (5)	66 (8)	105 (9)	69
Denver	34 (8)	156 (1)	89 (7)	60 (1)	8.6 (9)	54 (10)	69 (9)	120 (8)	53
Jacksonville	81 (4)	15 (9)	116 (3)	0 (9)	7.8 (12)	74 (1)	63 (7)	144 (5)	50
Atlanta	35 (7)	48 (6)	115 (4)	2 (7)	9.1 (8)	69 (7)	60 (5)	148 (4)	48
Dallas	97 (3)	37 (7)	79 (8)	3 (6)	10.7 (1)	70 (6)	61 (6)	133 (7)	44
White Plains	17 (10)	78 (5)	123 (1)	26 (3)	10.2 (4)	65 (9)	58 (3)	142 (6)	41
St. Louis	41 (5)	96 (4)	111 (5)	19 (5)	9.6 (5)	72 (3)	57 (2)	164 (2)	31
Kansas City	37 (6)	110 (3)	104 (6)	20 (4)	10.6 (2)	73 (2)	59 (4)	149 (3)	30
Rolling Meadows	17 (10)	130 (2)	121 (2)	38 (2)	10.3 (3)	72 (3)	54 (1)	176 (1)	24

V. RLE – Natural Disasters

City	Hail Storms	Draughts	Earth-quakes	Floods	Hurri-canes/ TropSt	Snow/ Ice Storms	Thun-der Storms	Torna-does	Total Pts
Denver	48 (7)	4 (2)	(8)	8 (12)	0 (3)	0 (6)	28 (12)	1 (10)	60
White Plains	16 (10)	0 (5)	(7)	38 (5)	0 (3)	0 (6)	67 (9)	1 (10)	55
Atlanta	99 (5)	0 (5)	(8)	26 (10)	0 (3)	0 (6)	84 (8)	2 (8)	53
Las Vegas	28 (9)	0 (5)	(6)	50 (4)	0 (3)	0 (6)	61 (10)	2 (8)	51
Northern California	3 (12)	0 (5)	(2)	31 (7)	0 (3)	7 (4)	39 (11)	3 (6)	50
Rolling Meadows	137 (4)	0 (5)	(8)	29 (9)	0 (3)	17 (3)	123 (6)	1 (10)	48
Jacksonville	92 (6)	0 (5)	(8)	26 (10)	6 (1)	2 (5)	165 (3)	14 (3)	41
Phoenix	47 (8)	0 (5)	(5)	34 (6)	0 (3)	0 (6)	252 (1)	5 (5)	39
Southern California	10 (11)	1 (4)	(1)	58 (3)	1 (2)	0 (6)	95 (7)	16 (2)	36
St. Louis	179 (3)	0 (5)	(3)	31 (7)	0 (3)	32 (2)	138 (5)	3 (6)	34
Dallas	196 (2)	5 (1)	(8)	104 (2)	0 (3)	0 (6)	161 (4)	24 (1)	27
Kansas City	214 (1)	2 (3)	(4)	148 (1)	0 (3)	45 (1)	170 (2)	7 (4)	19

V. RLE – Man-Made Disasters

City	Percent Excess Power	Electric Systems Disturbances (Last 7 Years)	Likely Terrorist Target	Total Pts
Dallas	37.1 (12)	2 (9)	(8)	29
Denver	27.4 (5)	1 (11)	(8)	24
Rolling Meadows	32.2 (11)	1 (11)	(2)	24
Phoenix	27.4 (5)	4 (5)	(8)	18
Kansas City	18.4 (1)	3 (7)	(8)	16
Las Vegas	27.4 (5)	3 (7)	(4)	16
St. Louis	18.4 (1)	2 (9)	(5)	15
Jacksonville	18.5 (4)	6 (3)	(8)	15
Northern California	27.4 (5)	7 (2)	(7)	14
Atlanta	18.4 (1)	4 (5)	(6)	12
Southern California	27.4 (5)	5 (4)	(3)	12
White Plains	30.2 (10)	9 (1)	(1)	12

V. RLE – Socio/Economic

City	Distance from Irvine(m)	Cost Of Living	Average Housing Cost	Wages And Salaries	Total Pts
Jacksonville	2130 (11)	-25.4 (10)	\$ 162,490 (8)	-14.0 (11)	40
Kansas City	1340 (7)	-26.8 (11)	\$ 155,441 (11)	-9.0 (8)	37
Phoenix	330 (3)	-22.0 (8)	\$ 151,224 (12)	-10.3 (10)	33
Atlanta	1910 (10)	-17.9 (5)	\$ 173,218 (7)	-9.5 (9)	31
St. Louis	1600 (8)	-25.3 (9)	\$ 185,332 (5)	-7.4 (6)	28
Dallas	1210 (6)	-20.5 (7)	\$ 161,982 (9)	-7.4 (6)	28
Las Vegas	230 (2)	-18.3 (6)	\$ 155,672 (10)	-4.0 (3)	21
White Plains	2450 (12)	-11.1 (2)	\$ 237,648 (3)	-4.0 (3)	20
Denver	825 (5)	-16.2 (4)	\$ 179,452 (6)	-5.4 (5)	20
Rolling Meadows	1720 (9)	-15.4 (3)	\$ 204,187 (4)	-1.8 (2)	18
Northern California	380 (4)	+40.3 (1)	\$ 314,407 (1)	+6.3 (1)	7
Southern California	0 (1)	0.0 (0)	\$ 300,000 (2)	0.0 (0)	3

V. RLE – All Factors Combined

City	Minimal Weather/ Climate Issues	Minimal Natural Disaster Issues	Minimal Man-made Disaster Issues	Minimal Socio/ Economic Issues	Total Points
Phoenix	75	39	18	33	165
Las Vegas	71	51	16	21	159
Denver	53	60	24	20	157
Jackson- ville	50	41	15	40	146
Atlanta	48	53	12	31	144
Northern California	69	50	14	7	140
Southern California	80	36	12	3	131
White Plains	41	55	12	20	128
Dallas	44	27	29	28	128
Rolling Meadows	24	48	24	18	114
St. Louis	31	34	15	28	108
Kansas City	30	19	16	37	102

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VI. Take-Aways

- **Decide on your major categories of selection criteria**
- **Decide on your major sub-categories of selection criteria**
- **Determine what, if any, weights to apply to your selection criteria**

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VI. Take-Aways (Cont'd)

- Agree from where your base location will originate
- Identify any political or corporate culture issues influencing site decision
- Decide on the scope and quantity of geographic alternatives

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Questions?

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Thank You!