3				
2				
1	12/31/21	MARSH	EANES	GRAHAM
0	12/31/15	DANNA	EANES	ADCOCK
REVISED		BY	CHK'D	APPR.

SECTION 33 - FLOODING AND STORM SURGE REQUIREMENTS
TABLE OF CONTENTS

DUKE ENERGY.

DEC	DEM	DEP	DEF
			X

33.00-00A

FLOODING AND STORM SURGE REQUIREMENTS

THIS STANDARD DEFINES THE MITIGATION EFFORTS FOR FLOODING AND STORM SURGE AREAS WITHIN THE DUKE ENERGY FOOTPRINT. THE STANDARD SHALL BE APPLIED WITHIN THE FEMA FLOOD LAYER IN GIS, (MYWORLD ELECTRIC DISTRIBUTION), ENVIRONMENTAL AREAS LAYERS - FEMA FLOOD.

THE PRIMARY RISK CLASSIFICATIONS USED ARE THE 1-PERCENT-ANNUAL-CHANCE FLOOD EVENT (100 YEAR), THE 0.2-PERCENT-ANNUAL-CHANCE FLOOD EVENT (500 YEAR), AND AREAS OF MINIMAL FLOOD RISK.

THE 1-PERCENT-ANNUAL-CHANCE FLOOD LAYER WILL BE UTILIZED FOR NET NEW INSTALLATIONS INCLUDING OVERHEAD TO UNDERGROUND CONVERSIONS.

ENGINEERING JUDGEMENT SHOULD BE UTILIZED IN THE 0.2-PERCENT-ANNUAL-CHANCE FLOOD EVENT RISK AREA (500 YEAR) FOR DETERMINING THE APPROPRIATE DESIGN APPROACH BASED ON CUSTOMERS AND RISK.

REVISED	BY	CHK'D	APPR.
3 12/31/21	DANNA	EANES	GRAHAM
2 10/29/19	DANNA	EANES	ADCOCK
1 9/30/16	BURLISON	EANES	ADCOCK
0 12/31/15	DANNA	EANES	ADCOCK

FLOODING AND STORM SURGE REQUIREMENTS

DUKE ENERGY.

DEC	DEM	DEP	DEF
			X

33.01-100

20220050-DEF-000148

THE FOLLOWING CHART SPECIFIES THE MATERIAL REQUIREMENTS FOR USE WITHIN THE DEFINED FEMA LAYER IN GIS AS DEFINED ON DWG. 33.01-100.

COASTAL SPECIFICATION	APPLICATION	CONSTRUCTION SPECIFICATION DRAWING NUMBER
STAINLESS STEEL 304L PAD-MOUNTED TRANSFORMERS	ALL DESIGNATED COASTAL AREAS AS DEFINED BY DWG. 12.00-105	DWG. 12.08-110
SUBMERSIBLE SECONDARY SET SCREW CONNECTORS FOR SINGLE-PHASE TRANSFORMERS	AS DEFINED BY GIS OVERLAY	DWGS. 27.02-113A AND 27.02-113B
SINGLE-PHASE CONCRETE "COASTAL" PAD	AS DEFINED BY GIS OVERLAY	DWG. 24.01-112
ABOVE GROUND PEDESTALS WITH SUBMERSIBLE CONNECTORS - GEL FILLED	AS DEFINED BY GIS OVERLAY	DWG. 25.07-107
200 AMP LOAD BREAK ELBOWS WITH INTEGRATED SEAL	ALL AREAS WITHIN DEF AS OF 1/2022	DWG 26.02-104
SUBMERSIBLE SWITCHGEAR	AS DEFINED BY GIS OVERLAY	DWGS. 28.04-113A THROUGH 28.04-117C AND DWGS. 28.04-121A THROUGH 28.04-121G (MANUAL STYLE) FOR AUTOMATED SWITCHGEAR. SEE SWITCHGEAR APPLICATION GUIDE IN DWGS. 28.00-110A THROUGH 28.00-110E

REVISED	BY	CHK'D	APPR.
3 12/31/21	DANNA	EANES	GRAHAM
2 1/31/19	DANNA	EANES	ADCOCK
1 9/30/16	BURLISON	EANES	ADCOCK
0 12/31/15	DANNA	EANES	ADCOCK

FLOODING AND STORM SURGE

REQUIREMENTS

DUKE ENERGY.

DEC	DEM	DEP	DEF
			X

33.01-102

20220050-DEF-000149