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ENERGY CONTROL CENTER TRANSMISSION OPERATIONS & PLANNING DEPARTMENT PROGRESS ENERGY FLORIDA



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ENERGY CONTROL CENTER TRANSMISSION OPERATIONS & PLANNING DEPARTMENT PROGRESS ENERGY FLORIDA



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Progress Energy

The Optimized Energy Value Chain

Resumes – Qualification of Team Members





Education

Interests




































































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VII. Approval:

| Recommen | d: J. W. Lyerly | APPROVED By John Lyerly at 11:32 am, Jun 10, 2008 |
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| | L. G. Schuster | APPROVED By Lee Schuster at 11:11 am, Jun 12, 2008 |
| Approve: | G. S. Dooley | APPROVED By Glenn S. Dooley at 2:16 pm, Jun 12, 2008 |

NOTE(1): Upon final approval, provide copies to the following: ECC System Operators

SORMF-CP-14 Page 1 of 1 Appendix 1 DATE: 5/27/08



| | * |
|------|---|
| memo | |
| | |

| Date: | March 7, 2007 |
|----------|---|
| To: | All System Operators All Dispatchers |
| From: | Dale Oliver |
| Subject: | Authority to Shed Load |
| | |
| | |

JDO:acy

Progress Energy Florida, Inc.

SORMF-CP-14 Page 1 of 2 Appendix 2 DATE: 5/27/08

Supervisor – Power System Operations Job Description







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Dispatcher Job Description



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SORMF-GD-02 PAGE: 5 OF 6 REV: 6 DATE: 12/31/09

SORMF-GD-02 PAGE: 6 OF 6 REV: 6 DATE: 12/31/09

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| Glenn S. Dooley Director, Energy Control | |
| | |
| NOTE: Upon final approval, prov ECC System Operators Plant Sites | ide copies to the following: Eric S. Grant, Gen Mgr – Suncoast PGF Jeffrey R. Swartz, Gen Mgr – Nat Coast PGF |
| | |

SORMF-GD-02 PAGE: 1 OF 3 APPENDIX 1 DATE: 12/31/09

Generating Plant Voltage Schedule



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Generating Plant Voltage Schedule



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Generating Plant Voltage Schedule

Crystal River Units 3 and 5 500 kV Bus Voltage Schedule

| Time | Voltage <u>Schedule</u> | Lower Voltage Limit | Upper Voltage Limit | |
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APPENDIX 2

GENERATING PLANT REACTIVE CAPABILITY





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APPENDIX 3

PEAKER UNIT REACTIVE CAPABILITY



ENERGY CONTROL CENTER TRANSMISSION OPERATIONS & PLANNING DEPARTMENT PROGRESS ENERGY FLORIDA

SORMF GD-02 Revision History



General Load Reduction Plan - Florida

Document number

EMG-SUBS-00002

Applies to: Progress Energy Florida, Inc.; Progress Energy Service Company, LLC

Keywords: emergency; corporate emergency, generation capacity

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General Load Reduction Plan Summary of GLRP Organizational Responsibilities



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3 Summary of Capacity Emergency Alert Phases/Levels

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6 System Alert Procedure

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7 Phase 1 Capacity Alert Procedure

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| VII. Approval: | |
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| | |
| Recommend: | |
| Curtis Lloyd Supervisor, PSO | APPROVED By Curtis Lloyd at 12:05 pm, Dec 31, 2009 |
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| VII. Approval: | |
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| | |
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| Mike Heitkamper System Operator I | APPROVED By Michael Heitkamper at 5:06 pm, Dec 31, 2009 |
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| / II. | Approval: | |
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| | | |
| | Recommend: Paul Schmitt Sr. Engineer | APPROVED By Paul E. Schmitt at 3:07 pm, Dec 08, 2009 |
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| | Concur: Miles H. Albritton Manager, PSO | APPROVED By Miles H. Albritton at 6:14 pm, Dec 08, 2009 |
| | Eric Grant Gen Mgr-Suncoast-PGF | APPROVED By Eric S. Grant at 8:59 pm, Dec 08, 2009 |
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| | NOTE(1): Upon final approva ECC System O | l, provide copies to the following: perators |

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ENERGY CONTROL CENTER TRANSMISSION OPERATIONS & PLANNING DEPARTMENT PROGRESS ENERGY FLORIDA



EFFECT OF VOLTAGE REDUCTION



VOLTAGE REDUCTION AND LOAD DIVERSITY



VOLTAGE REDUCTION AND LOAD DIVERSITY





VOLTAGE REDUCTION AND LOAD DIVERSITY





LTC Transformer





Basic LTC Control












STAGE OF VOLTAGE REDUCTION



From the AOR menu click on Special located on the on the right end



Voltage Reduction



Voltage Reduction Control Directory

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Voltage Reduction Multiple Point Control





Voltage Reduction Multiple Point Control











DXfmr Auto/Manual Control Group Directory





DXfmr Auto/Manual Control Group Directory

10 minutes bump. From the multiple point Control Group Directory screen you can place all the distribution



DXfmr Raise/Lower Control Group Directory





DXfmr Auto/Manual Control Group Directory







Voltage Reduction – Bank Exclusion Agenda

Background

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Introduction To VR - BE



Dispatcher Responsibilities



Dispatcher Responsibilities (cont'd)



Dispatcher Responsibilities (cont'd)



Summary

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PEF 2010 ECCR 0000275













