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February 27, 2008

HAND DELIVERED

RECEIVED-FPSC
08 FEB 27 PM 2:48
COMMISSION
CLERK

Ms. Ann Cole, Director
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

Re: Petition for Approval of Modifications to Tampa Electric Company's Demand Side Management Plan; FPSC Docket No. 070375-EI

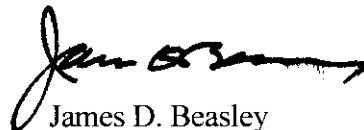
Dear Ms. Cole:

Enclosed for filing in the above docket is a copy of certain materials supplied at Staff's request in connection with the approval of modifications to Tampa Electric Company's Demand Side Management Plan. Staff suggested that we submit a copy of these materials for inclusion in the docket file. The modifications to the company's Demand Side Management programs were approved in Order No. PSC-07-0822-PAA-EG issued in this docket on October 15, 2007, as confirmed in the consummating order, Order No. PSC-07-0902-CO-EG issues in this docket on November 8, 2007.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/pp
Enclosure

cc: Paula Brown (w/o enc.)

DOCUMENT NUMBER-DATE
01461 FEB 27 08
FPSC-COMMISSION CLERK

RESIDENTIAL DEMAND-SIDE MANAGEMENT PROGRAMS
NEW AND MODIFIED PROGRAMS

| DSM PROGRAM | Summer Peak Demand | | Winter Peak Demand | | Annual Energy Consumption | | Benefit/ Cost Ratio (RIM) |
|--------------------------------------|--------------------|--------------|--------------------|--------------|---------------------------|--------------|------------------------------------|
| | Savings (MW) | % of Goal | Savings (MW) | % of Goal | Savings (MW) | % of Goal | |
| RCS Audit ⁽¹⁾ | 0.000 | 0.0% | 0.000 | 0.0% | 0.001 | 0.0% | N/A |
| Walk-Through Audit | 1.933 | 9.1% | 2.577 | 8.7% | 8.83 | 16.0% | N/A |
| Customer Assisted Audit | 0.296 | 1.4% | 0.444 | 1.5% | 1.524 | 2.8% | N/A |
| Phone Assisted Audit | 0.068 | 0.3% | 0.101 | 0.3% | 0.348 | 0.6% | 1.13 |
| Heating and Cooling | 2.215 | 10.4% | 8.443 | 28.6% | 6.432 | 11.6% | 1.22 |
| Duct Repair | 11.983 | 56.4% | 10.549 | 35.7% | 26.085 | 47.1% | 1.67 |
| Building Envelope | | | | | | | |
| Ceiling Insulation | 2.492 | 11.7% | 5.017 | 17.0% | 6.070 | 11.0% | 1.73 |
| Wall Insulation | 0.133 | 0.6% | 0.273 | 0.9% | 0.341 | 0.6% | 1.93 |
| Window Replacement | 1.090 | 5.1% | 0.692 | 2.3% | 2.149 | 3.9% | 1.74 |
| Window Film | 0.373 | 1.8% | 0.000 | 0.0% | 1.341 | 2.4% | 1.37 |
| New Construction | 0.346 | 1.6% | 0.268 | 0.9% | 0.719 | 1.3% | 1.42 |
| Low Income | 0.319 | 1.5% | 1.186 | 4.0% | 1.511 | 2.7% | 1.20 |
| Total Savings ⁽²⁾ | 21.248 | | 29.550 | | 55.350 | | |
| Current Goals (Docket 040033) | 15.2 | | 20.1 | | 43.5 | | |

⁽¹⁾ Currently approved, not modified

⁽²⁾ Total savings are actuals from 2005 - 2006, and projected from 2007 - 2014

COMMERCIAL / INDUSTRIAL DEMAND-SIDE MANAGEMENT PROGRAMS
NEW AND MODIFIED PROGRAMS

| DSM PROGRAM | Summer Peak Demand | | Winter Peak Demand | | Annual Energy Consumption | | Benefit/ Cost Ratio (RIM) |
|---|--------------------|--------------|--------------------|--------------|---------------------------|--------------|------------------------------------|
| | Savings (MW) | % of Goal | Savings (MW) | % of Goal | Savings (MW) | % of Goal | |
| Commercial Audits Free ⁽¹⁾ | 0.327 | 0.7% | 0.245 | 0.7% | 1.393 | 2.6% | N/A |
| Commercial Audits Paid ⁽¹⁾ | 0.001 | 0.0% | 0.000 | 0.0% | 0.003 | 0.0% | N/A |
| Duct Repair | 0.038 | 0.1% | 0.014 | 0.0% | 0.055 | 0.1% | 1.37 |
| Building Envelope | | | | | | | |
| Ceiling Insulation | 0.143 | 0.3% | 0.050 | 0.1% | 0.251 | 0.5% | 1.65 |
| Wall Insulation | 0.040 | 0.1% | 0.057 | 0.2% | 0.144 | 0.3% | 1.62 |
| Window Film | 0.269 | 0.6% | 0.000 | 0.0% | 1.174 | 2.2% | 1.61 |
| Energy Efficient Motors | 0.400 | 0.9% | 0.400 | 1.1% | 0.993 | 1.8% | 1.83 |
| Load Management - Cyclic | 0.106 | 0.2% | 0.000 | 0.0% | 0.000 | 0.0% | 3.24 |
| Load Management - Extended ⁽¹⁾ | 0.736 | 1.6% | 0.480 | 1.3% | 0.000 | 0.0% | N/A |
| Demand Response | 25.000 | 55.4% | 25.000 | 67.7% | 1.875 | 3.4% | 1.23 |
| Commercial Cooling | | | | | | | |
| Direct Expansion | 0.690 | 1.5% | 0.000 | 0.0% | 2.228 | 4.1% | 1.25 |
| Package Terminal | 0.332 | 0.7% | 0.000 | 0.0% | 0.949 | 1.7% | 1.23 |
| Chillers | 3.038 | 6.7% | 0.893 | 2.4% | 6.961 | 12.8% | 1.29 |
| Commercial Lighting | | | | | | | |
| Conditioned Space | 5.014 | 11.1% | 1.739 | 4.7% | 25.253 | 46.3% | 1.31 |
| Unconditioned Space | 1.221 | 2.7% | 1.221 | 3.3% | 7.342 | 13.5% | 1.61 |
| Occupancy Sensors | 0.095 | 0.2% | 0.071 | 0.2% | 1.481 | 2.7% | 2.06 |
| Standby Generator | 6.973 | 15.5% | 6.437 | 17.4% | 0.692 | 1.3% | 3.06 |
| Refrigeration | 0.029 | 0.1% | 0.029 | 0.1% | 0.523 | 1.0% | 1.66 |
| Water Heating | 0.030 | 0.1% | 0.030 | 0.1% | 0.283 | 0.5% | 1.73 |
| Conservation Value | 0.621 | 1.4% | 0.287 | 0.8% | 2.955 | 5.4% | 1.25 |
| Total Savings ⁽²⁾ | 45.103 | | 36.953 | | 54.555 | | |
| Current Goals (Docket 040033) | 15.3 | | 8.2 | | 41.5 | | |

⁽¹⁾ Currently approved, not modified

⁽²⁾ Total savings are actuals from 2005 - 2006, and projected from 2007 - 2014

INPUT DATA - PART 1
PROGRAM TITLE: Residential Heating & Cooling

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 1.020 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.283 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 655 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 618 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 15 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 37.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.6 % |
| III. (4) CUSTOMER EQUIPMENT COST | 470.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 167.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.06 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 473 |
| (3)* RMT TEST - BENEFIT/COST RATIO | 1.22 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Residential Heating & Cooling

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 0 | 44 | 558 | 0 | 602 | 0 | 0 | 21 | 0 | 21 | (582) | (582) |
| 2008 | 0 | 39 | 494 | 0 | 533 | 0 | 0 | 64 | 0 | 64 | (470) | (1,017) |
| 2009 | 0 | 34 | 427 | 0 | 460 | 0 | 0 | 98 | 0 | 98 | (362) | (1,328) |
| 2010 | 0 | 0 | 0 | 0 | 0 | 93 | 0 | 100 | 0 | 194 | 184 | (1,174) |
| 2011 | 0 | 0 | 0 | 0 | 0 | 98 | 0 | 98 | 0 | 194 | 184 | (1,031) |
| 2012 | 0 | 0 | 0 | 0 | 0 | 98 | 0 | 101 | 0 | 199 | 199 | (895) |
| 2013 | 0 | 0 | 0 | 0 | 0 | 100 | 0 | 98 | 0 | 198 | 198 | (769) |
| 2014 | 0 | 0 | 0 | 0 | 0 | 103 | 0 | 103 | 0 | 206 | 206 | (648) |
| 2015 | 0 | 0 | 0 | 0 | 0 | 105 | 0 | 103 | 0 | 208 | 208 | (535) |
| 2016 | 0 | 0 | 0 | 0 | 0 | 108 | 0 | 107 | 0 | 215 | 215 | (426) |
| 2017 | 0 | 0 | 0 | 0 | 0 | 110 | 0 | 111 | 0 | 222 | 222 | (322) |
| 2018 | 0 | 0 | 0 | 0 | 0 | 113 | 0 | 122 | 0 | 235 | 235 | (220) |
| 2019 | 0 | 0 | 0 | 0 | 0 | 118 | 0 | 143 | 0 | 259 | 259 | (116) |
| 2020 | 0 | 0 | 0 | 0 | 0 | 119 | 0 | 153 | 0 | 271 | 271 | (15) |
| 2021 | 0 | 0 | 0 | 0 | 0 | 121 | 0 | 166 | 0 | 287 | 287 | 85 |
| NOMINAL | 0 | 116 | 1,479 | 0 | 1,596 | 1,282 | 0 | 1,588 | 0 | 2,870 | 1,274 | |
| NPV: | 0 | 109 | 1,383 | 0 | 1,492 | 661 | 0 | 695 | 0 | 1,577 | 85 | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | 1.06 | | | | | |

4

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential Heating & Cooling

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 32 | 0 | 198 | 0 | 230 | 558 | 0 | 0 | 558 | (328) | (328) |
| 2008 | 90 | 0 | 171 | 0 | 262 | 494 | 0 | 0 | 494 | (233) | (544) |
| 2009 | 141 | 0 | 144 | 0 | 285 | 427 | 0 | 0 | 427 | (142) | (686) |
| 2010 | 165 | 0 | 0 | 0 | 165 | 0 | 0 | 0 | 0 | 165 | (534) |
| 2011 | 166 | 0 | 0 | 0 | 166 | 0 | 0 | 0 | 0 | 166 | (411) |
| 2012 | 171 | 0 | 0 | 0 | 171 | 0 | 0 | 0 | 0 | 171 | (294) |
| 2013 | 160 | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 160 | (192) |
| 2014 | 165 | 0 | 0 | 0 | 165 | 0 | 0 | 0 | 0 | 165 | (95) |
| 2015 | 168 | 0 | 0 | 0 | 168 | 0 | 0 | 0 | 0 | 168 | (4) |
| 2016 | 176 | 0 | 0 | 0 | 176 | 0 | 0 | 0 | 0 | 176 | 85 |
| 2017 | 179 | 0 | 0 | 0 | 179 | 0 | 0 | 0 | 0 | 179 | 169 |
| 2018 | 186 | 0 | 0 | 0 | 186 | 0 | 0 | 0 | 0 | 186 | 250 |
| 2019 | 193 | 0 | 0 | 0 | 193 | 0 | 0 | 0 | 0 | 193 | 327 |
| 2020 | 200 | 0 | 0 | 0 | 200 | 0 | 0 | 0 | 0 | 200 | 402 |
| 2021 | 206 | 0 | 0 | 0 | 206 | 0 | 0 | 0 | 0 | 206 | 473 |
| NOMINAL | 2,398 | 0 | 514 | 0 | 2,912 | 1,479 | 0 | 0 | 1,479 | 1,433 | |
| NPV: | 1,376 | 0 | 481 | 0 | 1,856 | 1,383 | 0 | 0 | 1,383 | 473 | |

In service year of gen unit: 2010
Discount rate: 0.0788

5

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

RATE IMPACT TEST
PROGRAM: Residential Heating & Cooling

PSC FORM CE 2.5
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
|----------------|---|--|-----------------------|------------------------------|---------------------------|---------------------------|---|---|-----------------------------|------------------------------|------------------------------|---|---|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | INCENTIVES \$(000) | REVENUE LOSSES \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT UNIT & FUEL BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | REVENUE GAINS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS TO ALL CUSTOMERS \$(000) | CUMULATIVE DISCOUNTED NET BENEFIT \$(000) |
| 2007 | 0 | 44 | 198 | 18 | 0 | 256 | 21 | 0 | 0 | 0 | 21 | (238) | (238) |
| 2008 | 0 | 39 | 171 | 46 | 0 | 256 | 64 | 0 | 0 | 0 | 64 | (193) | (416) |
| 2009 | 0 | 34 | 144 | 72 | 0 | 250 | 98 | 0 | 0 | 0 | 98 | (152) | (547) |
| 2010 | 0 | 0 | 0 | 85 | 0 | 85 | 194 | 0 | 0 | 0 | 194 | 109 | (461) |
| 2011 | 0 | 0 | 0 | 86 | 0 | 86 | 194 | 0 | 0 | 0 | 194 | 108 | (381) |
| 2012 | 0 | 0 | 0 | 87 | 0 | 87 | 199 | 0 | 0 | 0 | 199 | 112 | (304) |
| 2013 | 0 | 0 | 0 | 88 | 0 | 88 | 198 | 0 | 0 | 0 | 198 | 110 | (234) |
| 2014 | 0 | 0 | 0 | 89 | 0 | 89 | 206 | 0 | 0 | 0 | 206 | 117 | (165) |
| 2015 | 0 | 0 | 0 | 89 | 0 | 89 | 208 | 0 | 0 | 0 | 208 | 119 | (101) |
| 2016 | 0 | 0 | 0 | 90 | 0 | 90 | 216 | 0 | 0 | 0 | 216 | 126 | (38) |
| 2017 | 0 | 0 | 0 | 91 | 0 | 91 | 222 | 0 | 0 | 0 | 222 | 131 | 23 |
| 2018 | 0 | 0 | 0 | 92 | 0 | 92 | 235 | 0 | 0 | 0 | 235 | 143 | 88 |
| 2019 | 0 | 0 | 0 | 93 | 0 | 93 | 259 | 0 | 0 | 0 | 259 | 166 | 152 |
| 2020 | 0 | 0 | 0 | 94 | 0 | 94 | 271 | 0 | 0 | 0 | 271 | 177 | 218 |
| 2021 | 0 | 0 | 0 | 95 | 0 | 95 | 287 | 0 | 0 | 0 | 287 | 192 | 285 |
| NOMINAL | 0 | 116 | 514 | 1,214 | 0 | 1,844 | 2,870 | 0 | 0 | 0 | 2,870 | 1,026 | |
| NPV: | 0 | 109 | 481 | 702 | 0 | 1,292 | 1,577 | 0 | 0 | 0 | 1,577 | 285 | |
| Discount rate: | | | 0.0788 | | | | Benefit/Cost Ratio - [col (12)/col (7)]: | | | | 1.22 | | |

6

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Residential Duct Repair

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.396 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.434 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 918 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 866 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 26 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 0 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 51.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 60.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0778 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 233.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-------------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS\$/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS\$/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-------------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS\$/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|--------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 12.11 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 10,230 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.67 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Residential Duct Repair

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|--------------------------------|-------------------------------|--|---------------------|---------------------|-----------------------------------|--------------------------------|------------------------------|------------------------|------------------------|----------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 199 | 195 | 0 | 394 | 0 | 0 | 98 | 0 | 98 | (296) | (296) | |
| 2008 | 0 | 157 | 154 | 0 | 311 | 0 | 0 | 289 | 0 | 289 | (22) | (318) | |
| 2009 | 0 | 145 | 142 | 0 | 287 | 0 | 0 | 436 | 0 | 436 | 150 | (168) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 698 | 0 | 447 | 0 | 1,146 | 1,146 | 725 | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 680 | 0 | 439 | 0 | 1,119 | 1,119 | 1,551 | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 659 | 0 | 449 | 0 | 1,108 | 1,108 | 2,310 | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 640 | 0 | 436 | 0 | 1,076 | 1,076 | 2,993 | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 623 | 0 | 460 | 0 | 1,083 | 1,083 | 3,629 | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 606 | 0 | 458 | 0 | 1,064 | 1,064 | 4,209 | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 590 | 0 | 479 | 0 | 1,069 | 1,069 | 4,750 | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 575 | 0 | 497 | 0 | 1,072 | 1,072 | 5,252 | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 560 | 0 | 546 | 0 | 1,106 | 1,106 | 5,732 | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 545 | 0 | 637 | 0 | 1,182 | 1,182 | 6,207 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 530 | 0 | 682 | 0 | 1,211 | 1,211 | 6,658 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 515 | 0 | 739 | 0 | 1,254 | 1,254 | 7,093 | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 500 | 0 | 791 | 0 | 1,291 | 1,291 | 7,507 | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 485 | 0 | 786 | 0 | 1,271 | 1,271 | 7,884 | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 471 | 0 | 799 | 0 | 1,270 | 1,270 | 8,234 | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 459 | 0 | 804 | 0 | 1,262 | 1,262 | 8,556 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 451 | 0 | 813 | 0 | 1,269 | 1,269 | 8,857 | |
| 2027 | 0 | 0 | 0 | 0 | 0 | 449 | 0 | 841 | 0 | 1,287 | 1,287 | 9,139 | |
| 2028 | 0 | 0 | 0 | 0 | 0 | 442 | 0 | 864 | 0 | 1,306 | 1,306 | 9,405 | |
| 2029 | 0 | 0 | 0 | 0 | 0 | 437 | 0 | 838 | 0 | 1,275 | 1,275 | 9,645 | |
| 2030 | 0 | 0 | 0 | 0 | 0 | 432 | 0 | 825 | 0 | 1,358 | 1,358 | 9,882 | |
| 2031 | 0 | 0 | 0 | 0 | 0 | 428 | 0 | 946 | 0 | 1,374 | 1,374 | 10,105 | |
| 2032 | 0 | 0 | 0 | 0 | 0 | 424 | 0 | 858 | 0 | 1,382 | 1,382 | 10,312 | |
| NOMINAL | 0 | 500 | 491 | 0 | 991 | 12,196 | 0 | 16,463 | 0 | 28,659 | 27,868 | | |
| NPV: | 0 | 469 | 459 | 0 | 928 | 5,154 | 0 | 6,086 | 0 | 11,240 | 10,312 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 12.11 | | | | | |

8

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential Duct Repair

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 147 | 0 | 909 | 0 | 1,056 | 195 | 0 | 0 | 195 | 861 | 861 |
| 2008 | 402 | 0 | 699 | 0 | 1,101 | 154 | 0 | 0 | 154 | 947 | 1,738 |
| 2009 | 614 | 0 | 629 | 0 | 1,243 | 142 | 0 | 0 | 142 | 1,101 | 2,686 |
| 2010 | 722 | 0 | 0 | 0 | 722 | 0 | 0 | 0 | 0 | 722 | 3,260 |
| 2011 | 727 | 0 | 0 | 0 | 727 | 0 | 0 | 0 | 0 | 727 | 3,796 |
| 2012 | 748 | 0 | 0 | 0 | 748 | 0 | 0 | 0 | 0 | 748 | 4,308 |
| 2013 | 701 | 0 | 0 | 0 | 701 | 0 | 0 | 0 | 0 | 701 | 4,753 |
| 2014 | 721 | 0 | 0 | 0 | 721 | 0 | 0 | 0 | 0 | 721 | 5,177 |
| 2016 | 735 | 0 | 0 | 0 | 735 | 0 | 0 | 0 | 0 | 735 | 5,578 |
| 2016 | 766 | 0 | 0 | 0 | 766 | 0 | 0 | 0 | 0 | 766 | 5,965 |
| 2017 | 782 | 0 | 0 | 0 | 782 | 0 | 0 | 0 | 0 | 782 | 6,331 |
| 2018 | 814 | 0 | 0 | 0 | 814 | 0 | 0 | 0 | 0 | 814 | 6,684 |
| 2019 | 843 | 0 | 0 | 0 | 843 | 0 | 0 | 0 | 0 | 843 | 7,023 |
| 2020 | 875 | 0 | 0 | 0 | 875 | 0 | 0 | 0 | 0 | 875 | 7,350 |
| 2021 | 899 | 0 | 0 | 0 | 899 | 0 | 0 | 0 | 0 | 899 | 7,681 |
| 2022 | 919 | 0 | 0 | 0 | 919 | 0 | 0 | 0 | 0 | 919 | 7,955 |
| 2023 | 950 | 0 | 0 | 0 | 950 | 0 | 0 | 0 | 0 | 950 | 8,238 |
| 2024 | 986 | 0 | 0 | 0 | 986 | 0 | 0 | 0 | 0 | 986 | 8,509 |
| 2025 | 1,006 | 0 | 0 | 0 | 1,006 | 0 | 0 | 0 | 0 | 1,006 | 8,768 |
| 2026 | 1,030 | 0 | 0 | 0 | 1,030 | 0 | 0 | 0 | 0 | 1,030 | 9,010 |
| 2027 | 1,061 | 0 | 0 | 0 | 1,061 | 0 | 0 | 0 | 0 | 1,061 | 9,242 |
| 2028 | 1,077 | 0 | 0 | 0 | 1,077 | 0 | 0 | 0 | 0 | 1,077 | 9,461 |
| 2029 | 1,099 | 0 | 0 | 0 | 1,099 | 0 | 0 | 0 | 0 | 1,099 | 9,669 |
| 2030 | 1,129 | 0 | 0 | 0 | 1,129 | 0 | 0 | 0 | 0 | 1,129 | 9,866 |
| 2031 | 1,155 | 0 | 0 | 0 | 1,155 | 0 | 0 | 0 | 0 | 1,155 | 10,053 |
| 2032 | 1,180 | 0 | 0 | 0 | 1,180 | 0 | 0 | 0 | 0 | 1,180 | 10,230 |
| NOMINAL | 22,067 | 0 | 2,237 | 0 | 24,324 | 491 | 0 | 0 | 491 | 23,833 | |
| NPV: | 8,592 | 0 | 2,097 | 0 | 10,689 | 459 | 0 | 0 | 459 | 10,230 | |

In service year of gen unit: 2010
Discount rate: 0.0758

6

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Residential Ceiling Insulation

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.400 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.224 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 8.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 369 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 348 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 26 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5993 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 0 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 36.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 409.09 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 100.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.67 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.28 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 341 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.79 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

11

TOTAL RESOURCE COST TESTS
PROGRAM: Residential Ceiling Insulation

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|--------------------------------|-------------------------------|--|---------------------|---------------------|-----------------------------------|--------------------------------|------------------------------|------------------------|------------------------|----------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 72 | 818 | 0 | 890 | 0 | 0 | 20 | 0 | 20 | (870) | (870) | |
| 2008 | 0 | 70 | 797 | 0 | 867 | 0 | 0 | 62 | 0 | 62 | (805) | (1,616) | |
| 2009 | 0 | 64 | 731 | 0 | 795 | 0 | 0 | 69 | 0 | 69 | (696) | (2,214) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 206 | 0 | 103 | 0 | 309 | 309 | (1,908) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 201 | 0 | 101 | 0 | 302 | 302 | (1,745) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 195 | 0 | 103 | 0 | 298 | 298 | (1,541) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 189 | 0 | 100 | 0 | 289 | 289 | (1,356) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 184 | 0 | 106 | 0 | 290 | 290 | (1,188) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 179 | 0 | 105 | 0 | 284 | 284 | (1,033) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 174 | 0 | 110 | 0 | 284 | 284 | (889) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 170 | 0 | 114 | 0 | 284 | 284 | (766) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 165 | 0 | 125 | 0 | 291 | 291 | (630) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 161 | 0 | 146 | 0 | 307 | 307 | (508) | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 156 | 0 | 157 | 0 | 313 | 313 | (390) | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 170 | 0 | 322 | 322 | (278) | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 148 | 0 | 182 | 0 | 329 | 329 | (173) | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 143 | 0 | 180 | 0 | 324 | 324 | (76) | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 139 | 0 | 184 | 0 | 323 | 323 | 12 | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 135 | 0 | 185 | 0 | 320 | 320 | 94 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 133 | 0 | 188 | 0 | 321 | 321 | 170 | |
| 2027 | 0 | 0 | 0 | 0 | 0 | 132 | 0 | 193 | 0 | 325 | 325 | 241 | |
| 2028 | 0 | 0 | 0 | 0 | 0 | 130 | 0 | 199 | 0 | 329 | 329 | 308 | |
| 2029 | 0 | 0 | 0 | 0 | 0 | 129 | 0 | 193 | 0 | 322 | 322 | 389 | |
| 2030 | 0 | 0 | 0 | 0 | 0 | 128 | 0 | 213 | 0 | 340 | 340 | 428 | |
| 2031 | 0 | 0 | 0 | 0 | 0 | 126 | 0 | 217 | 0 | 344 | 344 | 484 | |
| 2032 | 0 | 0 | 0 | 0 | 0 | 125 | 0 | 220 | 0 | 345 | 345 | 536 | |
| NOMINAL | 0 | 206 | 2,345 | 0 | 2,552 | 3,601 | 0 | 3,774 | 0 | 7,375 | 4,823 | | |
| NPV: | 0 | 192 | 2,184 | 0 | 2,376 | 1,522 | 0 | 1,990 | 0 | 2,912 | 536 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.23 | | | | | |

12

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential Ceiling Insulation

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|------------------------------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 30 | 0 | 200 | 0 | 230 | 818 | 0 | 0 | 818 | (588) | (588) |
| 2008 | 88 | 0 | 190 | 0 | 278 | 797 | 0 | 0 | 797 | (518) | (1,068) |
| 2009 | 142 | 0 | 170 | 0 | 312 | 731 | 0 | 0 | 731 | (419) | (1,428) |
| 2010 | 169 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 169 | (1,293) |
| 2011 | 170 | 0 | 0 | 0 | 170 | 0 | 0 | 0 | 0 | 170 | (1,167) |
| 2012 | 175 | 0 | 0 | 0 | 175 | 0 | 0 | 0 | 0 | 175 | (1,047) |
| 2013 | 164 | 0 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 164 | (943) |
| 2014 | 169 | 0 | 0 | 0 | 169 | 0 | 0 | 0 | 0 | 169 | (844) |
| 2015 | 172 | 0 | 0 | 0 | 172 | 0 | 0 | 0 | 0 | 172 | (750) |
| 2016 | 180 | 0 | 0 | 0 | 180 | 0 | 0 | 0 | 0 | 180 | (659) |
| 2017 | 183 | 0 | 0 | 0 | 183 | 0 | 0 | 0 | 0 | 183 | (573) |
| 2018 | 191 | 0 | 0 | 0 | 191 | 0 | 0 | 0 | 0 | 191 | (490) |
| 2019 | 198 | 0 | 0 | 0 | 198 | 0 | 0 | 0 | 0 | 198 | (411) |
| 2020 | 205 | 0 | 0 | 0 | 205 | 0 | 0 | 0 | 0 | 205 | (334) |
| 2021 | 211 | 0 | 0 | 0 | 211 | 0 | 0 | 0 | 0 | 211 | (251) |
| 2022 | 216 | 0 | 0 | 0 | 216 | 0 | 0 | 0 | 0 | 216 | (192) |
| 2023 | 223 | 0 | 0 | 0 | 223 | 0 | 0 | 0 | 0 | 223 | (126) |
| 2024 | 231 | 0 | 0 | 0 | 231 | 0 | 0 | 0 | 0 | 231 | (63) |
| 2025 | 236 | 0 | 0 | 0 | 236 | 0 | 0 | 0 | 0 | 236 | (2) |
| 2026 | 241 | 0 | 0 | 0 | 241 | 0 | 0 | 0 | 0 | 241 | 55 |
| 2027 | 249 | 0 | 0 | 0 | 249 | 0 | 0 | 0 | 0 | 249 | 109 |
| 2028 | 252 | 0 | 0 | 0 | 252 | 0 | 0 | 0 | 0 | 252 | 161 |
| 2029 | 258 | 0 | 0 | 0 | 258 | 0 | 0 | 0 | 0 | 258 | 209 |
| 2030 | 265 | 0 | 0 | 0 | 265 | 0 | 0 | 0 | 0 | 265 | 255 |
| 2031 | 271 | 0 | 0 | 0 | 271 | 0 | 0 | 0 | 0 | 271 | 299 |
| 2032 | 277 | 0 | 0 | 0 | 277 | 0 | 0 | 0 | 0 | 277 | 341 |
| NOMINAL | 5,165 | 0 | 560 | 0 | 5,725 | 2,345 | 0 | 0 | 2,345 | 3,380 | |
| NPV: | 2,003 | 0 | 522 | 0 | 2,525 | 2,184 | 0 | 0 | 2,184 | 341 | |
| In service year of gen unit: | | | 2010 | | | | | | | | |
| Discount rate: | | | 0.0788 | | | | | | | | |

13

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Residential Wall Insulation

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 1.070 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.637 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 1417 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 1337 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 26 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 0 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 75.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 1215.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 200.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-------------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS\$/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS\$/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-------------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS\$/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (6)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.44 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 21 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.93 |

15

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Residential Wall Insulation

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|-----------------------------------|----------------------------------|--|------------------------|------------------------|--------------------------------------|-----------------------------------|---------------------------------|---------------------------|---------------------------|-------------------------|---|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 1 | 12 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | (13) | (13) | |
| 2008 | 0 | 2 | 25 | 0 | 26 | 0 | 0 | 2 | 0 | 2 | (25) | (35) | |
| 2009 | 0 | 2 | 32 | 0 | 34 | 0 | 0 | 3 | 0 | 3 | (30) | (62) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 | 10 | 10 | (54) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 | 10 | 10 | (47) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 4 | 0 | 10 | 10 | (40) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 9 | 9 | (34) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 9 | 9 | (29) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 9 | 9 | (24) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 9 | 9 | (19) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 4 | 0 | 9 | 9 | (15) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0 | 10 | 10 | (11) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 6 | 0 | 10 | 10 | (7) | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 6 | 0 | 10 | 10 | (3) | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 1 | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 5 | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 8 | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 11 | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 14 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 16 | |
| 2027 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 19 | |
| 2028 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 | 11 | 11 | 21 | |
| 2029 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 7 | 0 | 11 | 11 | 23 | |
| 2030 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 | 12 | 12 | 25 | |
| 2031 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 | 12 | 12 | 27 | |
| 2032 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 8 | 0 | 12 | 12 | 29 | |
| NOMINAL | 0 | 4 | 69 | 0 | 73 | 103 | 0 | 144 | 0 | 246 | 173 | | |
| NPV: | 0 | 4 | 63 | 0 | 67 | 43 | 0 | 52 | 0 | 96 | 29 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.44 | | | | | |

16

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential Wall Insulation

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 1 | 0 | 2 | 0 | 3 | 12 | 0 | 0 | 12 | (10) | (10) |
| 2008 | 2 | 0 | 4 | 0 | 6 | 25 | 0 | 0 | 25 | (19) | (27) |
| 2009 | 5 | 0 | 5 | 0 | 10 | 32 | 0 | 0 | 32 | (22) | (46) |
| 2010 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 | (41) |
| 2011 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 | (36) |
| 2012 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (31) |
| 2013 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 | (27) |
| 2014 | 6 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 6 | (24) |
| 2015 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (20) |
| 2016 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (17) |
| 2017 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (13) |
| 2018 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (10) |
| 2019 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (7) |
| 2020 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | (4) |
| 2021 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | (2) |
| 2022 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | 1 |
| 2023 | 8 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 | 3 |
| 2024 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 6 |
| 2025 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 8 |
| 2026 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 10 |
| 2027 | 9 | 0 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 9 | 12 |
| 2028 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 14 |
| 2029 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 16 |
| 2030 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 18 |
| 2031 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 19 |
| 2032 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | 21 |
| NOMINAL | 193 | 0 | 11 | 0 | 204 | 69 | 0 | 0 | 69 | 135 | |
| NPV: | 74 | 0 | 10 | 0 | 84 | 63 | 0 | 0 | 63 | 21 | |

In service year of gen unit: 2010
Discount rate: 0.0788

17

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Residential Window Replacement

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 12, 2007

19

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.630 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.673 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 1315 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 1241 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 26 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.6983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 0 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 76.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 1417.50 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 350.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.23 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 89 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.74 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Residential Window Replacement

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 2 | 43 | 0 | 45 | 0 | 0 | 1 | 0 | 1 | (44) | (44) | |
| 2008 | 0 | 10 | 182 | 0 | 191 | 0 | 0 | 7 | 0 | 7 | (184) | (214) | |
| 2009 | 0 | 12 | 223 | 0 | 235 | 0 | 0 | 17 | 0 | 17 | (218) | (402) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 20 | 0 | 55 | 55 | (358) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 20 | 0 | 53 | 53 | (318) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 20 | 0 | 53 | 53 | (282) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 32 | 0 | 20 | 0 | 51 | 51 | (250) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 31 | 0 | 21 | 0 | 52 | 52 | (219) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 21 | 0 | 51 | 51 | (192) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 22 | 0 | 51 | 51 | (168) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 23 | 0 | 51 | 51 | (142) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 25 | 0 | 52 | 52 | (119) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 29 | 0 | 56 | 56 | (97) | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 31 | 0 | 57 | 57 | (75) | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 34 | 0 | 59 | 59 | (55) | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 36 | 0 | 61 | 61 | (36) | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 36 | 0 | 60 | 60 | (18) | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 36 | 0 | 60 | 60 | (1) | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 37 | 0 | 59 | 59 | 14 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 37 | 0 | 59 | 59 | 28 | |
| 2027 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 38 | 0 | 60 | 60 | 41 | |
| 2028 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 39 | 0 | 61 | 61 | 53 | |
| 2029 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 38 | 0 | 60 | 60 | 65 | |
| 2030 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 42 | 0 | 63 | 63 | 78 | |
| 2031 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 43 | 0 | 64 | 64 | 88 | |
| 2032 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 44 | 0 | 65 | 65 | 98 | |
| NOMINAL | 0 | 24 | 448 | 0 | 471 | 601 | 0 | 738 | 0 | 1,339 | 867 | | |
| NPV: | 0 | 21 | 403 | 0 | 424 | 254 | 0 | 296 | 0 | 520 | 98 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.23 | | | | | |

20

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential Window Replacement

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 2 | 0 | 11 | 0 | 12 | 43 | 0 | 0 | 43 | (30) | (30) |
| 2008 | 10 | 0 | 44 | 0 | 54 | 182 | 0 | 0 | 182 | (128) | (149) |
| 2009 | 25 | 0 | 53 | 0 | 77 | 223 | 0 | 0 | 223 | (146) | (275) |
| 2010 | 33 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 | (249) |
| 2011 | 33 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 | (224) |
| 2012 | 34 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 | (201) |
| 2013 | 32 | 0 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 32 | (181) |
| 2014 | 33 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 | (161) |
| 2015 | 33 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 33 | (143) |
| 2016 | 35 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 35 | (125) |
| 2017 | 36 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 36 | (109) |
| 2018 | 37 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 | (93) |
| 2019 | 38 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 38 | (77) |
| 2020 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 40 | (62) |
| 2021 | 41 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 41 | (48) |
| 2022 | 42 | 0 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 42 | (35) |
| 2023 | 43 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 43 | (22) |
| 2024 | 45 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 45 | (10) |
| 2025 | 46 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 2 |
| 2026 | 47 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 47 | 13 |
| 2027 | 48 | 0 | 0 | 0 | 48 | 0 | 0 | 0 | 0 | 48 | 24 |
| 2028 | 49 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 49 | 34 |
| 2029 | 50 | 0 | 0 | 0 | 50 | 0 | 0 | 0 | 0 | 50 | 43 |
| 2030 | 51 | 0 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 51 | 52 |
| 2031 | 53 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 53 | 61 |
| 2032 | 54 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 54 | 69 |
| NOMINAL | 989 | 0 | 107 | 0 | 1,095 | 448 | 0 | 0 | 448 | 648 | |
| NPV: | 375 | 0 | 96 | 0 | 472 | 403 | 0 | 0 | 403 | 69 | |

In service year of gen unit: 2010
Discount rate: 0.0768

21

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Residential New Construction

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

23

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.628 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.672 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 1169 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 8.0 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 1103 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 21 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 60.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 1093.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0778 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 408.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 6.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 6.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 4.342 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 0.00 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.19 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 33 |
| (3)* RM TEST - BENEFIT/COST RATIO | 1.42 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Residential New Construction

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 1 | 18 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | (17) | (17) | |
| 2008 | 0 | 2 | 39 | 0 | 41 | 0 | 0 | 2 | 0 | 2 | (39) | (53) | |
| 2009 | 0 | 3 | 63 | 0 | 66 | 0 | 0 | 5 | 0 | 5 | (61) | (105) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 13 | 13 | (95) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 13 | 13 | (85) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 13 | 13 | (76) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 13 | 13 | (68) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 14 | 14 | (60) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 6 | 0 | 14 | 14 | (52) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 7 | 0 | 14 | 14 | (45) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 7 | 0 | 15 | 15 | (38) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 8 | 0 | 16 | 16 | (31) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 9 | 0 | 17 | 17 | (26) | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 9 | 0 | 18 | 18 | (18) | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 10 | 0 | 19 | 19 | (11) | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 11 | 0 | 20 | 20 | (5) | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 11 | 0 | 20 | 20 | 1 | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 11 | 0 | 20 | 20 | 6 | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 11 | 0 | 21 | 21 | 12 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 11 | 0 | 21 | 21 | 17 | |
| 2027 | 0 | 0 | 0 | 0 | 0 | 10 | 0 | 12 | 0 | 22 | 22 | 21 | |
| NOMINAL | 0 | 5 | 119 | 0 | 124 | 146 | 0 | 163 | 0 | 309 | 185 | | |
| NPV: | 0 | 5 | 107 | 0 | 112 | 63 | 0 | 70 | 0 | 133 | 21 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.19 | | | | | |

24

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Residential New Construction

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 1 | 0 | 6 | 0 | 7 | 16 | 0 | 0 | 16 | (10) | (10) |
| 2008 | 3 | 0 | 14 | 0 | 17 | 39 | 0 | 0 | 39 | (22) | (30) |
| 2009 | 7 | 0 | 22 | 0 | 30 | 63 | 0 | 0 | 63 | (33) | (58) |
| 2010 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (50) |
| 2011 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (43) |
| 2012 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (38) |
| 2013 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (30) |
| 2014 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (24) |
| 2015 | 10 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 0 | 10 | (18) |
| 2016 | 11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 | (13) |
| 2017 | 11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 | (8) |
| 2018 | 11 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 11 | (3) |
| 2019 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 2 |
| 2020 | 12 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 12 | 7 |
| 2021 | 13 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 11 |
| 2022 | 13 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 15 |
| 2023 | 13 | 0 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 13 | 19 |
| 2024 | 14 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 14 | 23 |
| 2025 | 14 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 14 | 26 |
| 2026 | 14 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 14 | 30 |
| 2027 | 15 | 0 | 0 | 0 | 15 | 0 | 0 | 0 | 0 | 15 | 33 |
| NOMINAL | 224 | 0 | 43 | 0 | 267 | 119 | 0 | 0 | 119 | 148 | |
| NPV: | 101 | 0 | 39 | 0 | 140 | 107 | 0 | 0 | 107 | 33 | |

In service year of gen unit: 2010
Discount rate: 0.0788

25

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Energy Efficient Motors

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 1.000 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 1.107 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 2626 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 2482 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 20 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 50.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 1800.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 187.50 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.49 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 116 |
| (3)* RM TEST - BENEFIT/COST RATIO | 1.83 |

27

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Energy Efficient Motors

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 3 | 90 | 0 | 93 | 0 | 0 | 4 | 0 | 4 | (89) | (89) | |
| 2008 | 0 | 3 | 92 | 0 | 95 | 0 | 0 | 11 | 0 | 11 | (83) | (166) | |
| 2009 | 0 | 3 | 95 | 0 | 97 | 0 | 0 | 19 | 0 | 19 | (78) | (233) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 20 | 0 | 38 | 38 | (203) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 20 | 0 | 38 | 38 | (175) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 20 | 0 | 39 | 39 | (148) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 19 | 0 | 39 | 39 | (123) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 21 | 0 | 41 | 41 | (99) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 20 | 0 | 41 | 41 | (77) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 21 | 0 | 42 | 42 | (56) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 22 | 0 | 44 | 44 | (35) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 24 | 0 | 46 | 46 | (15) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 28 | 0 | 51 | 51 | 6 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 30 | 0 | 54 | 54 | 26 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 33 | 0 | 57 | 57 | 45 | |
| 2022 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 35 | 0 | 60 | 60 | 64 | |
| 2023 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 35 | 0 | 60 | 60 | 82 | |
| 2024 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 38 | 0 | 61 | 61 | 99 | |
| 2025 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 38 | 0 | 62 | 62 | 116 | |
| 2026 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 37 | 0 | 63 | 63 | 130 | |
| NOMINAL | 0 | 8 | 277 | 0 | 284 | 377 | 0 | 493 | 0 | 870 | 585 | | |
| NPV: | 0 | 7 | 257 | 0 | 264 | 168 | 0 | 226 | 0 | 394 | 130 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.49 | | | | | |

28

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Energy Efficient Motors

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 6 | 0 | 9 | 0 | 15 | 90 | 0 | 0 | 90 | (76) | (76) |
| 2008 | 17 | 0 | 9 | 0 | 26 | 92 | 0 | 0 | 92 | (66) | (136) |
| 2009 | 28 | 0 | 9 | 0 | 38 | 95 | 0 | 0 | 95 | (57) | (185) |
| 2010 | 34 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 | (157) |
| 2011 | 35 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 35 | (132) |
| 2012 | 36 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 36 | (108) |
| 2013 | 34 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 | (86) |
| 2014 | 34 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 | (66) |
| 2016 | 35 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 35 | (47) |
| 2016 | 36 | 0 | 0 | 0 | 36 | 0 | 0 | 0 | 0 | 36 | (28) |
| 2017 | 37 | 0 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 37 | (11) |
| 2018 | 39 | 0 | 0 | 0 | 39 | 0 | 0 | 0 | 0 | 39 | 6 |
| 2019 | 40 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 40 | 22 |
| 2020 | 41 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 41 | 37 |
| 2021 | 43 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 43 | 52 |
| 2022 | 43 | 0 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 43 | 66 |
| 2023 | 45 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 45 | 79 |
| 2024 | 46 | 0 | 0 | 0 | 46 | 0 | 0 | 0 | 0 | 46 | 92 |
| 2025 | 47 | 0 | 0 | 0 | 47 | 0 | 0 | 0 | 0 | 47 | 104 |
| 2026 | 49 | 0 | 0 | 0 | 49 | 0 | 0 | 0 | 0 | 49 | 116 |
| NOMINAL | 726 | 0 | 28 | 0 | 754 | 277 | 0 | 0 | 277 | 477 | |
| NPV: | 346 | 0 | 26 | 0 | 372 | 257 | 0 | 0 | 257 | 116 | |

In service year of gen unit: 2010
Discount rate: 0.0788

29

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Demand Response

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

31

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|--|---------------------|
| I (1) CUSTOMER KW REDUCTION AT THE METER | 500.000 KW /CUST |
| I (2) GENERATOR KW REDUCTION PER CUSTOMER | 563.681 KW GEN/CUST |
| I (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I (4) GENERATION KWH REDUCTION PER CUSTOMER | 39675 KWH/CUST/YR |
| I (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I (8)* CUSTOMER KWH REDUCTION AT METER | 97500 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|--|----------|
| II (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 26 YEARS |
| II (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II (3) T & D ECONOMIC LIFE | 28 YEARS |
| II (4) K FACTOR FOR GENERATION | 1.5983 |
| II (5) K FACTOR FOR T & D | 1.5983 |
| II (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 0 |

UTILITY & CUSTOMER COSTS

| | |
|--|---------------------|
| III (1) UTILITY NONRECURRING COST PER CUSTOMER | 0.00 \$/CUST |
| III (2) UTILITY RECURRING COST PER CUSTOMER | 24500.00 \$/CUST/YR |
| III (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III (4) CUSTOMER EQUIPMENT COST | 0.00 \$/CUST |
| III (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III (13)* UTILITY AFUDC RATE | 0.0779 |
| III (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 0.00 \$/CUST |
| III (15)* UTILITY RECURRING REBATE/INCENTIVE | 24000.00 \$/CUST/YR |
| III (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|---|-----------------|
| IV (1) BASE YEAR | 2007 |
| IV (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV (8) GENERATOR FIXED O & M COST | 0.87 \$/KW/YR |
| IV (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV (15) GENERATOR CAPACITY FACTOR | 5.8 % |
| IV (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV (18)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|--|-----------------|
| V (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V (2) NON-FUEL ESCALATION RATE | 1 % |
| V (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 0 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|-------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 2.20 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 4,639 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.23 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Demand Response

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|---------------|-----------------------------------|----------------------------------|--|------------------------|------------------------|--------------------------------------|-----------------------------------|---------------------------------|---------------------------|---------------------------|-------------------------|---|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 0 | 61 | 0 | 0 | 61 | 0 | 0 | 5 | 0 | 5 | (56) | (56) |
| 2008 | 0 | 201 | 0 | 0 | 201 | 0 | 0 | 19 | 0 | 19 | (182) | (226) |
| 2009 | 0 | 380 | 0 | 0 | 380 | 0 | 0 | 32 | 0 | 32 | (328) | (507) |
| 2010 | 0 | 449 | 0 | 0 | 449 | 1,579 | 0 | 34 | 0 | 1,613 | 1,164 | 420 |
| 2011 | 0 | 460 | 0 | 0 | 460 | 1,538 | 0 | 34 | 0 | 1,572 | 1,112 | 1,241 |
| 2012 | 0 | 471 | 0 | 0 | 471 | 1,491 | 0 | 34 | 0 | 1,526 | 1,054 | 1,983 |
| 2013 | 0 | 483 | 0 | 0 | 483 | 1,448 | 0 | 33 | 0 | 1,481 | 998 | 2,596 |
| 2014 | 0 | 495 | 0 | 0 | 495 | 1,408 | 0 | 35 | 0 | 1,443 | 948 | 3,153 |
| 2015 | 0 | 507 | 0 | 0 | 507 | 1,370 | 0 | 35 | 0 | 1,405 | 898 | 3,643 |
| 2016 | 0 | 520 | 0 | 0 | 520 | 1,335 | 0 | 37 | 0 | 1,371 | 851 | 4,073 |
| 2017 | 0 | 533 | 0 | 0 | 533 | 1,300 | 0 | 38 | 0 | 1,338 | 805 | 4,450 |
| 2018 | 0 | 546 | 0 | 0 | 546 | 1,266 | 0 | 42 | 0 | 1,308 | 761 | 4,780 |
| 2019 | 0 | 560 | 0 | 0 | 560 | 1,232 | 0 | 49 | 0 | 1,280 | 720 | 5,070 |
| 2020 | 0 | 574 | 0 | 0 | 574 | 1,198 | 0 | 52 | 0 | 1,250 | 676 | 5,322 |
| 2021 | 0 | 589 | 0 | 0 | 589 | 1,164 | 0 | 57 | 0 | 1,221 | 632 | 5,541 |
| 2022 | 0 | 603 | 0 | 0 | 603 | 1,131 | 0 | 61 | 0 | 1,191 | 588 | 5,729 |
| 2023 | 0 | 618 | 0 | 0 | 618 | 1,097 | 0 | 60 | 0 | 1,158 | 539 | 5,890 |
| 2024 | 0 | 634 | 0 | 0 | 634 | 1,065 | 0 | 61 | 0 | 1,126 | 492 | 6,025 |
| 2025 | 0 | 650 | 0 | 0 | 650 | 1,037 | 0 | 62 | 0 | 1,099 | 449 | 6,140 |
| 2026 | 0 | 666 | 0 | 0 | 666 | 1,021 | 0 | 63 | 0 | 1,083 | 417 | 6,239 |
| 2027 | 0 | 682 | 0 | 0 | 682 | 1,009 | 0 | 64 | 0 | 1,074 | 391 | 6,324 |
| 2028 | 0 | 700 | 0 | 0 | 700 | 989 | 0 | 66 | 0 | 1,065 | 365 | 6,388 |
| 2029 | 0 | 717 | 0 | 0 | 717 | 988 | 0 | 64 | 0 | 1,052 | 335 | 6,462 |
| 2030 | 0 | 735 | 0 | 0 | 735 | 978 | 0 | 71 | 0 | 1,049 | 314 | 6,517 |
| 2031 | 0 | 753 | 0 | 0 | 753 | 966 | 0 | 72 | 0 | 1,041 | 287 | 6,563 |
| 2032 | 0 | 772 | 0 | 0 | 772 | 959 | 0 | 73 | 0 | 1,032 | 260 | 6,602 |
| NOMINAL | 0 | 14,340 | 0 | 0 | 14,340 | 27,579 | 0 | 1,253 | 0 | 28,832 | 14,492 | |
| NPV: | 0 | 5,512 | 0 | 0 | 5,512 | 11,655 | 0 | 459 | 0 | 12,114 | 6,602 | |
| Discount Rate | | 0.0768 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | 2.20 | | | | | |

32

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Demand Response

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|---|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANT'S BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 5 | 0 | 60 | 0 | 65 | 0 | 0 | 0 | 0 | 65 | 65 |
| 2008 | 17 | 0 | 192 | 0 | 209 | 0 | 0 | 0 | 0 | 209 | 259 |
| 2009 | 29 | 0 | 336 | 0 | 365 | 0 | 0 | 0 | 0 | 365 | 573 |
| 2010 | 36 | 0 | 408 | 0 | 444 | 0 | 0 | 0 | 0 | 444 | 926 |
| 2011 | 36 | 0 | 408 | 0 | 444 | 0 | 0 | 0 | 0 | 444 | 1,254 |
| 2012 | 37 | 0 | 408 | 0 | 445 | 0 | 0 | 0 | 0 | 445 | 1,559 |
| 2013 | 34 | 0 | 408 | 0 | 442 | 0 | 0 | 0 | 0 | 442 | 1,839 |
| 2014 | 35 | 0 | 408 | 0 | 443 | 0 | 0 | 0 | 0 | 443 | 2,100 |
| 2015 | 38 | 0 | 408 | 0 | 444 | 0 | 0 | 0 | 0 | 444 | 2,341 |
| 2016 | 38 | 0 | 408 | 0 | 446 | 0 | 0 | 0 | 0 | 446 | 2,567 |
| 2017 | 39 | 0 | 408 | 0 | 447 | 0 | 0 | 0 | 0 | 447 | 2,776 |
| 2018 | 41 | 0 | 408 | 0 | 449 | 0 | 0 | 0 | 0 | 449 | 2,971 |
| 2019 | 43 | 0 | 408 | 0 | 451 | 0 | 0 | 0 | 0 | 451 | 3,153 |
| 2020 | 46 | 0 | 408 | 0 | 454 | 0 | 0 | 0 | 0 | 454 | 3,322 |
| 2021 | 47 | 0 | 408 | 0 | 455 | 0 | 0 | 0 | 0 | 455 | 3,479 |
| 2022 | 48 | 0 | 408 | 0 | 456 | 0 | 0 | 0 | 0 | 456 | 3,626 |
| 2023 | 51 | 0 | 408 | 0 | 459 | 0 | 0 | 0 | 0 | 459 | 3,762 |
| 2024 | 53 | 0 | 408 | 0 | 461 | 0 | 0 | 0 | 0 | 461 | 3,889 |
| 2025 | 54 | 0 | 408 | 0 | 462 | 0 | 0 | 0 | 0 | 462 | 4,007 |
| 2026 | 56 | 0 | 408 | 0 | 464 | 0 | 0 | 0 | 0 | 464 | 4,117 |
| 2027 | 58 | 0 | 408 | 0 | 466 | 0 | 0 | 0 | 0 | 466 | 4,219 |
| 2028 | 59 | 0 | 408 | 0 | 467 | 0 | 0 | 0 | 0 | 467 | 4,314 |
| 2029 | 61 | 0 | 408 | 0 | 469 | 0 | 0 | 0 | 0 | 469 | 4,403 |
| 2030 | 63 | 0 | 408 | 0 | 471 | 0 | 0 | 0 | 0 | 471 | 4,486 |
| 2031 | 65 | 0 | 408 | 0 | 473 | 0 | 0 | 0 | 0 | 473 | 4,561 |
| 2032 | 66 | 0 | 408 | 0 | 474 | 0 | 0 | 0 | 0 | 474 | 4,633 |
| NOMINAL | 1,154 | 0 | 9,972 | 0 | 11,126 | 0 | 0 | 0 | 0 | 11,126 | |
| NPV: | 434 | 0 | 4,198 | 0 | 4,633 | 0 | 0 | 0 | 0 | 4,633 | |

In service year of gen unit: 2010
Discount rate: 0.0788

33

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Cooling Direct Expansion

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

35

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 1,830 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 1,823 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 5629 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 5320 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 15 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 75.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 1636.83 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 402.50 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.86 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 301 |
| (3)* RM TEST - BENEFIT/COST RATIO | 1.28 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Cooling Direct Expansion

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 3 | 65 | 0 | 68 | 0 | 0 | 5 | 0 | 5 | (64) | (64) | |
| 2008 | 0 | 3 | 64 | 0 | 67 | 0 | 0 | 15 | 0 | 15 | (52) | (112) | |
| 2009 | 0 | 3 | 62 | 0 | 65 | 0 | 0 | 24 | 0 | 24 | (41) | (148) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 25 | 0 | 42 | 42 | (114) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 24 | 0 | 42 | 42 | (83) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 25 | 0 | 43 | 43 | (54) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 24 | 0 | 42 | 42 | (27) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 25 | 0 | 44 | 44 | (1) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 25 | 0 | 45 | 45 | 23 | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 26 | 0 | 46 | 46 | 48 | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 27 | 0 | 48 | 48 | 69 | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 30 | 0 | 51 | 51 | 91 | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 21 | 0 | 35 | 0 | 56 | 56 | 113 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 37 | 0 | 59 | 59 | 136 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 22 | 0 | 41 | 0 | 63 | 63 | 157 | |
| NOMINAL | 0 | 9 | 191 | 0 | 200 | 238 | 0 | 387 | 0 | 623 | 423 | | |
| NPV: | 0 | 8 | 178 | 0 | 186 | 125 | 0 | 218 | 0 | 343 | 157 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.85 | | | | | |

36

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Cooling Direct Expansion

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|------------------------------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 9 | 0 | 16 | 0 | 25 | 65 | 0 | 0 | 65 | (40) | (40) |
| 2008 | 27 | 0 | 15 | 0 | 42 | 64 | 0 | 0 | 64 | (21) | (60) |
| 2009 | 44 | 0 | 14 | 0 | 58 | 62 | 0 | 0 | 62 | (3) | (63) |
| 2010 | 63 | 0 | 0 | 0 | 63 | 0 | 0 | 0 | 0 | 63 | (21) |
| 2011 | 59 | 0 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 59 | 18 |
| 2012 | 66 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 66 | 84 |
| 2013 | 61 | 0 | 0 | 0 | 61 | 0 | 0 | 0 | 0 | 61 | 145 |
| 2014 | 53 | 0 | 0 | 0 | 53 | 0 | 0 | 0 | 0 | 53 | 198 |
| 2015 | 54 | 0 | 0 | 0 | 54 | 0 | 0 | 0 | 0 | 54 | 252 |
| 2016 | 56 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 56 | 308 |
| 2017 | 57 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 57 | 365 |
| 2018 | 60 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 60 | 425 |
| 2019 | 62 | 0 | 0 | 0 | 62 | 0 | 0 | 0 | 0 | 62 | 487 |
| 2020 | 64 | 0 | 0 | 0 | 64 | 0 | 0 | 0 | 0 | 64 | 551 |
| 2021 | 66 | 0 | 0 | 0 | 66 | 0 | 0 | 0 | 0 | 66 | 617 |
| NOMINAL | 763 | 0 | 46 | 0 | 809 | 191 | 0 | 0 | 191 | 617 | |
| NPV: | 436 | 0 | 43 | 0 | 479 | 178 | 0 | 0 | 178 | 301 | |
| In service year of gen unit: | | | 2010 | | | | | | | | |
| Discount rate: | | | 0.0788 | | | | | | | | |

37

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Chiller Replacement

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|---------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 101.250 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 104.184 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 245477 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 232020 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 20 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-------------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 100.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.6 % |
| III. (4) CUSTOMER EQUIPMENT COST | 100245.30 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 10125.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.73 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 766 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.20 |

39

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Chiller Replacement

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 0 | 0 | 100 | 0 | 100 | 0 | 0 | 7 | 0 | 7 | (84) | (84) |
| 2008 | 0 | 0 | 206 | 0 | 206 | 0 | 0 | 21 | 0 | 21 | (184) | (284) |
| 2009 | 0 | 0 | 318 | 0 | 318 | 0 | 0 | 42 | 0 | 42 | (274) | (500) |
| 2010 | 0 | 0 | 0 | 0 | 0 | 46 | 0 | 50 | 0 | 96 | 96 | (424) |
| 2011 | 0 | 0 | 0 | 0 | 0 | 47 | 0 | 49 | 0 | 96 | 96 | (353) |
| 2012 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | 50 | 0 | 98 | 98 | (286) |
| 2013 | 0 | 0 | 0 | 0 | 0 | 49 | 0 | 49 | 0 | 98 | 98 | (224) |
| 2014 | 0 | 0 | 0 | 0 | 0 | 50 | 0 | 51 | 0 | 102 | 102 | (164) |
| 2015 | 0 | 0 | 0 | 0 | 0 | 51 | 0 | 51 | 0 | 103 | 103 | (109) |
| 2016 | 0 | 0 | 0 | 0 | 0 | 53 | 0 | 53 | 0 | 106 | 106 | (55) |
| 2017 | 0 | 0 | 0 | 0 | 0 | 54 | 0 | 55 | 0 | 109 | 109 | (4) |
| 2018 | 0 | 0 | 0 | 0 | 0 | 55 | 0 | 81 | 0 | 116 | 116 | 47 |
| 2019 | 0 | 0 | 0 | 0 | 0 | 57 | 0 | 71 | 0 | 128 | 128 | 98 |
| 2020 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 78 | 0 | 134 | 134 | 148 |
| 2021 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 82 | 0 | 142 | 142 | 197 |
| 2022 | 0 | 0 | 0 | 0 | 0 | 61 | 0 | 88 | 0 | 149 | 149 | 245 |
| 2023 | 0 | 0 | 0 | 0 | 0 | 62 | 0 | 88 | 0 | 150 | 150 | 289 |
| 2024 | 0 | 0 | 0 | 0 | 0 | 64 | 0 | 89 | 0 | 153 | 153 | 332 |
| 2025 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 90 | 0 | 155 | 155 | 371 |
| 2026 | 0 | 0 | 0 | 0 | 0 | 67 | 0 | 91 | 0 | 158 | 158 | 409 |
| NOMINAL | 0 | 1 | 622 | 0 | 622 | 947 | 0 | 1,215 | 0 | 2,161 | 1,539 | |
| NPV: | 0 | 1 | 562 | 0 | 563 | 422 | 0 | 550 | 0 | 971 | 409 | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.73 | | | | |

40

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Chiller Replacement

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|------------------------------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 11 | 0 | 10 | 0 | 21 | 100 | 0 | 0 | 100 | (79) | (79) |
| 2008 | 44 | 0 | 20 | 0 | 64 | 206 | 0 | 0 | 206 | (142) | (210) |
| 2009 | 98 | 0 | 30 | 0 | 129 | 316 | 0 | 0 | 316 | (187) | (371) |
| 2010 | 133 | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 | 133 | (265) |
| 2011 | 134 | 0 | 0 | 0 | 134 | 0 | 0 | 0 | 0 | 134 | (167) |
| 2012 | 137 | 0 | 0 | 0 | 137 | 0 | 0 | 0 | 0 | 137 | (73) |
| 2013 | 130 | 0 | 0 | 0 | 130 | 0 | 0 | 0 | 0 | 130 | 10 |
| 2014 | 133 | 0 | 0 | 0 | 133 | 0 | 0 | 0 | 0 | 133 | 88 |
| 2015 | 136 | 0 | 0 | 0 | 136 | 0 | 0 | 0 | 0 | 136 | 162 |
| 2016 | 141 | 0 | 0 | 0 | 141 | 0 | 0 | 0 | 0 | 141 | 233 |
| 2017 | 144 | 0 | 0 | 0 | 144 | 0 | 0 | 0 | 0 | 144 | 300 |
| 2018 | 149 | 0 | 0 | 0 | 149 | 0 | 0 | 0 | 0 | 149 | 365 |
| 2019 | 154 | 0 | 0 | 0 | 154 | 0 | 0 | 0 | 0 | 154 | 427 |
| 2020 | 160 | 0 | 0 | 0 | 160 | 0 | 0 | 0 | 0 | 160 | 486 |
| 2021 | 164 | 0 | 0 | 0 | 164 | 0 | 0 | 0 | 0 | 164 | 543 |
| 2022 | 167 | 0 | 0 | 0 | 167 | 0 | 0 | 0 | 0 | 167 | 597 |
| 2023 | 173 | 0 | 0 | 0 | 173 | 0 | 0 | 0 | 0 | 173 | 648 |
| 2024 | 179 | 0 | 0 | 0 | 179 | 0 | 0 | 0 | 0 | 179 | 697 |
| 2025 | 182 | 0 | 0 | 0 | 182 | 0 | 0 | 0 | 0 | 182 | 744 |
| 2026 | 188 | 0 | 0 | 0 | 188 | 0 | 0 | 0 | 0 | 188 | 788 |
| NOMINAL | 2,753 | 0 | 61 | 0 | 2,814 | 622 | 0 | 0 | 622 | 2,192 | |
| NPV: | 1,296 | 0 | 55 | 0 | 1,350 | 562 | 0 | 0 | 562 | 788 | |
| In service year of gen unit: | | | 2010 | | | | | | | | |
| Discount rate: | | | 0.0788 | | | | | | | | |

41

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-E1
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Conditioned Space Commercial Lighting

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

43

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|--------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 40,820 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 42,243 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 186563 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 176336 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 15 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 28 YEARS |
| II. (3) T & D ECONOMIC LIFE | 28 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|------------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 358.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 78196.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 6123.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 6.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1.4 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|-------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.10 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 2,293 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.31 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Conditioned Space Commercial Lighting

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 5 | 1,188 | 0 | 1,193 | 0 | 0 | 56 | 0 | 56 | (1,137) | (1,137) | |
| 2008 | 0 | 5 | 1,136 | 0 | 1,142 | 0 | 0 | 180 | 0 | 180 | (962) | (2,029) | |
| 2009 | 0 | 5 | 1,082 | 0 | 1,087 | 0 | 0 | 290 | 0 | 290 | (766) | (2,713) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 148 | 0 | 303 | 0 | 451 | 451 | (2,354) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 152 | 0 | 297 | 0 | 449 | 449 | (2,022) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 155 | 0 | 304 | 0 | 459 | 459 | (1,708) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 159 | 0 | 295 | 0 | 455 | 455 | (1,420) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 163 | 0 | 312 | 0 | 475 | 475 | (1,140) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 167 | 0 | 311 | 0 | 477 | 477 | (880) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 171 | 0 | 324 | 0 | 495 | 495 | (630) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 175 | 0 | 337 | 0 | 512 | 512 | (390) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 179 | 0 | 370 | 0 | 549 | 549 | (152) | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 184 | 0 | 432 | 0 | 615 | 615 | 98 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 188 | 0 | 462 | 0 | 650 | 650 | 338 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 193 | 0 | 501 | 0 | 693 | 693 | 578 | |
| NOMINAL | 0 | 15 | 3,406 | 0 | 3,421 | 2,034 | 0 | 4,773 | 0 | 6,807 | 3,386 | | |
| NPV: | 0 | 14 | 3,171 | 0 | 3,185 | 1,081 | 0 | 2,682 | 0 | 3,763 | 578 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.18 | | | | | |

44

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Conditioned Space Commercial Lighting

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|------------------------------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 113 | 0 | 92 | 0 | 205 | 1,188 | 0 | 0 | 1,188 | (983) | (983) |
| 2008 | 327 | 0 | 86 | 0 | 413 | 1,136 | 0 | 0 | 1,136 | (729) | (1,654) |
| 2009 | 528 | 0 | 80 | 0 | 608 | 1,082 | 0 | 0 | 1,082 | (474) | (2,061) |
| 2010 | 631 | 0 | 0 | 0 | 631 | 0 | 0 | 0 | 0 | 631 | (1,558) |
| 2011 | 636 | 0 | 0 | 0 | 636 | 0 | 0 | 0 | 0 | 636 | (1,088) |
| 2012 | 654 | 0 | 0 | 0 | 654 | 0 | 0 | 0 | 0 | 654 | (641) |
| 2013 | 613 | 0 | 0 | 0 | 613 | 0 | 0 | 0 | 0 | 613 | (252) |
| 2014 | 630 | 0 | 0 | 0 | 630 | 0 | 0 | 0 | 0 | 630 | 119 |
| 2015 | 643 | 0 | 0 | 0 | 643 | 0 | 0 | 0 | 0 | 643 | 469 |
| 2016 | 670 | 0 | 0 | 0 | 670 | 0 | 0 | 0 | 0 | 670 | 608 |
| 2017 | 684 | 0 | 0 | 0 | 684 | 0 | 0 | 0 | 0 | 684 | 1,126 |
| 2018 | 713 | 0 | 0 | 0 | 713 | 0 | 0 | 0 | 0 | 713 | 1,437 |
| 2019 | 738 | 0 | 0 | 0 | 738 | 0 | 0 | 0 | 0 | 738 | 1,734 |
| 2020 | 767 | 0 | 0 | 0 | 767 | 0 | 0 | 0 | 0 | 767 | 2,020 |
| 2021 | 788 | 0 | 0 | 0 | 788 | 0 | 0 | 0 | 0 | 788 | 2,293 |
| NOMINAL | 9,135 | 0 | 257 | 0 | 9,392 | 3,406 | 0 | 0 | 3,406 | 5,986 | |
| NPV: | 5,224 | 0 | 240 | 0 | 5,463 | 3,171 | 0 | 0 | 3,171 | 2,293 | |
| In service year of gen unit: | | | 2010 | | | | | | | | |
| Discount rate: | | | 0.0788 | | | | | | | | |

45

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Un-conditioned Space Commercial Lighting

PSC FORM GE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

47

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|--------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 46,950 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 51,981 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 298758 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 282380 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 15 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 28 YEARS |
| II. (3) T & D ECONOMIC LIFE | 28 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.6983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|------------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 250.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 91479.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 7042.50 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL. RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.33 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 481 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.81 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Un-conditioned Space Commercial Lighting

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 0 | 91 | 0 | 92 | 0 | 0 | 8 | 0 | 8 | (84) | (84) | |
| 2008 | 0 | 1 | 188 | 0 | 188 | 0 | 0 | 26 | 0 | 26 | (162) | (234) | |
| 2009 | 0 | 1 | 288 | 0 | 289 | 0 | 0 | 52 | 0 | 52 | (237) | (438) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 61 | 0 | 83 | 83 | (371) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 60 | 0 | 83 | 83 | (310) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 81 | 0 | 85 | 85 | (252) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 59 | 0 | 84 | 84 | (189) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 62 | 0 | 87 | 87 | (148) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 62 | 0 | 88 | 88 | (100) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 26 | 0 | 95 | 0 | 91 | 91 | (54) | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 27 | 0 | 67 | 0 | 94 | 94 | (9) | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 74 | 0 | 102 | 102 | 35 | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 86 | 0 | 115 | 115 | 81 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 29 | 0 | 92 | 0 | 121 | 121 | 126 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 30 | 0 | 100 | 0 | 130 | 130 | 171 | |
| NOMINAL | 0 | 2 | 567 | 0 | 569 | 313 | 0 | 836 | 0 | 1,249 | 680 | | |
| NPV: | 0 | 1 | 513 | 0 | 514 | 166 | 0 | 519 | 0 | 686 | 171 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.33 | | | | | |

48

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Un-conditioned Space Commercial Lighting

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 10 | 0 | 7 | 0 | 17 | 91 | 0 | 0 | 91 | (74) | (74) |
| 2008 | 40 | 0 | 14 | 0 | 54 | 188 | 0 | 0 | 188 | (134) | (198) |
| 2009 | 89 | 0 | 21 | 0 | 111 | 268 | 0 | 0 | 288 | (178) | (351) |
| 2010 | 120 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 120 | (255) |
| 2011 | 121 | 0 | 0 | 0 | 121 | 0 | 0 | 0 | 0 | 121 | (165) |
| 2012 | 125 | 0 | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 125 | (80) |
| 2013 | 115 | 0 | 0 | 0 | 115 | 0 | 0 | 0 | 0 | 115 | (8) |
| 2014 | 119 | 0 | 0 | 0 | 119 | 0 | 0 | 0 | 0 | 119 | 64 |
| 2015 | 122 | 0 | 0 | 0 | 122 | 0 | 0 | 0 | 0 | 122 | 130 |
| 2016 | 128 | 0 | 0 | 0 | 128 | 0 | 0 | 0 | 0 | 128 | 195 |
| 2017 | 131 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 0 | 131 | 256 |
| 2018 | 137 | 0 | 0 | 0 | 137 | 0 | 0 | 0 | 0 | 137 | 315 |
| 2019 | 143 | 0 | 0 | 0 | 143 | 0 | 0 | 0 | 0 | 143 | 373 |
| 2020 | 149 | 0 | 0 | 0 | 149 | 0 | 0 | 0 | 0 | 149 | 428 |
| 2021 | 153 | 0 | 0 | 0 | 153 | 0 | 0 | 0 | 0 | 153 | 481 |
| NOMINAL | 1,704 | 0 | 42 | 0 | 1,746 | 567 | 0 | 0 | 567 | 1,178 | |
| NPV: | 956 | 0 | 38 | 0 | 994 | 513 | 0 | 0 | 513 | 481 | |

In service year of gen unit: 2010
Discount rate: 0.0788

49

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

RATE IMPACT TEST
PROGRAM: Un-conditioned Space Commercial Lighting

PSC FORM CE 2.5
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
|----------------|---|--|-----------------------|------------------------------|---------------------------|---------------------------|---|---|-----------------------------|------------------------------|------------------------------|---|---|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | INCENTIVES \$(000) | REVENUE LOSSES \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT UNIT & FUEL BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | REVENUE GAINS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS TO ALL CUSTOMERS \$(000) | CUMULATIVE DISCOUNTED NET BENEFIT \$(000) |
| 2007 | 0 | 0 | 7 | 4 | 0 | 11 | 8 | 0 | 0 | 0 | 8 | (9) | (9) |
| 2008 | 0 | 1 | 14 | 16 | 0 | 31 | 26 | 0 | 0 | 0 | 26 | (5) | (7) |
| 2009 | 0 | 1 | 21 | 37 | 0 | 58 | 52 | 0 | 0 | 0 | 52 | (7) | (13) |
| 2010 | 0 | 0 | 0 | 49 | 0 | 49 | 83 | 0 | 0 | 0 | 83 | 34 | 14 |
| 2011 | 0 | 0 | 0 | 50 | 0 | 50 | 83 | 0 | 0 | 0 | 83 | 33 | 39 |
| 2012 | 0 | 0 | 0 | 50 | 0 | 50 | 85 | 0 | 0 | 0 | 85 | 35 | 62 |
| 2013 | 0 | 0 | 0 | 51 | 0 | 51 | 84 | 0 | 0 | 0 | 84 | 33 | 83 |
| 2014 | 0 | 0 | 0 | 51 | 0 | 51 | 87 | 0 | 0 | 0 | 87 | 38 | 105 |
| 2015 | 0 | 0 | 0 | 52 | 0 | 52 | 88 | 0 | 0 | 0 | 88 | 38 | 124 |
| 2016 | 0 | 0 | 0 | 52 | 0 | 52 | 91 | 0 | 0 | 0 | 91 | 39 | 144 |
| 2017 | 0 | 0 | 0 | 53 | 0 | 53 | 94 | 0 | 0 | 0 | 94 | 42 | 164 |
| 2018 | 0 | 0 | 0 | 53 | 0 | 53 | 102 | 0 | 0 | 0 | 102 | 48 | 185 |
| 2019 | 0 | 0 | 0 | 54 | 0 | 54 | 115 | 0 | 0 | 0 | 115 | 61 | 209 |
| 2020 | 0 | 0 | 0 | 54 | 0 | 54 | 121 | 0 | 0 | 0 | 121 | 67 | 234 |
| 2021 | 0 | 0 | 0 | 55 | 0 | 55 | 130 | 0 | 0 | 0 | 130 | 75 | 280 |
| NOMINAL | 0 | 2 | 42 | 680 | 0 | 724 | 1,249 | 0 | 0 | 0 | 1,249 | 525 | |
| NPV: | 0 | 1 | 38 | 386 | 0 | 425 | 686 | 0 | 0 | 0 | 686 | 260 | |
| Discount rate: | | | 0.0788 | | | | Benefit/Cost Ratio - [col (12)/col (7)]: | | | | 1.61 | | |

50

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Lighting Occupancy Sensor

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.680 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 0.734 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 11189 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 6.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 10576 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 15 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 50.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 2400.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0768 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 51.00 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS, & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 6.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 6.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.26 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

| CALCULATED BENEFITS AND COSTS | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.57 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 90 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 2.06 |

51

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Lighting Occupancy Sensor

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 0 | 12 | 0 | 12 | 0 | 0 | 1 | 0 | 1 | (11) | (11) | |
| 2008 | 0 | 1 | 25 | 0 | 25 | 0 | 0 | 4 | 0 | 4 | (21) | (31) | |
| 2009 | 0 | 1 | 38 | 0 | 39 | 0 | 0 | 10 | 0 | 10 | (29) | (56) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 13 | 13 | (45) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 13 | 13 | (38) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 13 | 13 | (27) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 11 | 0 | 13 | 13 | (19) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 0 | 13 | 13 | (11) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 0 | 13 | 13 | (3) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 12 | 0 | 14 | 14 | 4 | |
| 2017 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 13 | 0 | 15 | 15 | 11 | |
| 2018 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 14 | 0 | 16 | 16 | 17 | |
| 2019 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 16 | 0 | 18 | 18 | 25 | |
| 2020 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 17 | 0 | 19 | 19 | 32 | |
| 2021 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 19 | 0 | 21 | 21 | 39 | |
| NOMINAL | 0 | 2 | 74 | 0 | 76 | 22 | 0 | 174 | 0 | 197 | 121 | | |
| NPV: | 0 | 1 | 67 | 0 | 69 | 12 | 0 | 98 | 0 | 108 | 39 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.57 | | | | | |

52

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Lighting Occupancy Sensor

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 2 | 0 | 0 | 0 | 2 | 12 | 0 | 0 | 12 | (10) | (10) |
| 2008 | 7 | 0 | 1 | 0 | 7 | 25 | 0 | 0 | 25 | (18) | (26) |
| 2008 | 15 | 0 | 1 | 0 | 15 | 38 | 0 | 0 | 38 | (22) | (46) |
| 2010 | 20 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 20 | (30) |
| 2011 | 20 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 20 | (16) |
| 2012 | 20 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 20 | (1) |
| 2013 | 19 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 19 | 10 |
| 2014 | 19 | 0 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 19 | 22 |
| 2015 | 20 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 20 | 33 |
| 2016 | 21 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 43 |
| 2017 | 21 | 0 | 0 | 0 | 21 | 0 | 0 | 0 | 0 | 21 | 53 |
| 2018 | 23 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 23 | 63 |
| 2019 | 24 | 0 | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 24 | 72 |
| 2020 | 25 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 25 | 82 |
| 2021 | 26 | 0 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 26 | 90 |
| NOMINAL | 279 | 0 | 2 | 0 | 280 | 74 | 0 | 0 | 74 | 206 | |
| NPV: | 156 | 0 | 1 | 0 | 158 | 67 | 0 | 0 | 67 | 90 | |

In service year of gen unit: 2010
Discount rate: 0.0788

53

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Refrigeration (Anti-Condensate)

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

55

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.919 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 1.017 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.5 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 17292 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTIDN AT METER | 16344 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 10 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 35.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.5 % |
| III. (4) CUSTOMER EQUIPMENT COST | 2100.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 124.07 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 674.19 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 6.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.6 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1.1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.82 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 26 |
| (3)* RIM TEST - BENEFIT/COST RATIO | 1.86 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Refrigeration (Anti-Condensate)

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | (2) | (2) |
| 2008 | 0 | 0 | 4 | 0 | 4 | 0 | 0 | 2 | 0 | 2 | (3) | (4) |
| 2009 | 0 | 0 | 9 | 0 | 9 | 0 | 0 | 3 | 0 | 3 | (6) | (9) |
| 2010 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 4 | (8) |
| 2011 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 4 | (3) |
| 2012 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 4 | (1) |
| 2013 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 4 | 4 | 2 |
| 2014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 4 | 4 |
| 2015 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 4 | 4 | 8 |
| 2016 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 4 | 4 | 9 |
| NOMINAL | 0 | 0 | 15 | 0 | 15 | 3 | 0 | 30 | 0 | 33 | 18 | |
| NPV: | 0 | 0 | 14 | 0 | 14 | 2 | 0 | 20 | 0 | 22 | 9 | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.62 | | | | |

56

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Refrigeration (Anti-Condensate)

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 1 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | (1) | (1) |
| 2008 | 2 | 0 | 0 | 0 | 2 | 4 | 0 | 0 | 4 | (2) | (3) |
| 2009 | 5 | 0 | 0 | 0 | 5 | 9 | 0 | 0 | 9 | (3) | (6) |
| 2010 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | (1) |
| 2011 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 5 |
| 2012 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 10 |
| 2013 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 14 |
| 2014 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 18 |
| 2015 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 22 |
| 2016 | 7 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 7 | 26 |
| NOMINAL | 57 | 0 | 1 | 0 | 58 | 15 | 0 | 0 | 15 | 43 | |
| NPV: | 39 | 0 | 1 | 0 | 39 | 14 | 0 | 0 | 14 | 26 | |

In service year of gen unit: 2010
Discount rate: 0.0788

57

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

RATE IMPACT TEST
PROGRAM: Commercial Refrigeration (Anti-Condensate)

PSC FORM CE 2.5
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
|----------------|---|--|-----------------------|------------------------------|---------------------------|---------------------------|---|---|-----------------------------|------------------------------|------------------------------|---|---|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | INCENTIVES \$(000) | REVENUE LOSSES \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT UNIT & FUEL BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | REVENUE GAINS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS TO ALL CUSTOMERS \$(000) | CUMULATIVE DISCOUNTED NET BENEFIT \$(000) |
| 2007 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2008 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 2 | 1 | 1 |
| 2009 | 0 | 0 | 0 | 2 | 0 | 2 | 3 | 0 | 0 | 0 | 3 | 1 | 1 |
| 2010 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 3 |
| 2011 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 4 |
| 2012 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 5 |
| 2013 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 6 |
| 2014 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 7 |
| 2015 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 8 |
| 2016 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 2 | 9 |
| NOMINAL | 0 | 0 | 1 | 19 | 0 | 20 | 33 | 0 | 0 | 0 | 33 | 13 | |
| NPV: | 0 | 0 | 1 | 12 | 0 | 13 | 22 | 0 | 0 | 0 | 22 | 0 | |
| Discount rate: | | | 0.0788 | | | | | | | | | | |
| | | | | | | | Benefit/Cost Ratio - [col (12)/col (7)]: | | | | | | |
| | | | | | | | | | 1.66 | | | | |

58

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

INPUT DATA - PART 1
PROGRAM TITLE: Commercial Water Heating

PSC FORM CE 1.1
 PAGE 1 OF 1
 RUN DATE: August 2, 2007

59

PROGRAM DEMAND SAVINGS & LINE LOSSES

| | |
|---|-------------------|
| I. (1) CUSTOMER KW REDUCTION AT THE METER | 0.845 KW /CUST |
| I. (2) GENERATOR KW REDUCTION PER CUSTOMER | 1.045 KW GEN/CUST |
| I. (3) KW LINE LOSS PERCENTAGE | 6.6 % |
| I. (4) GENERATION KWH REDUCTION PER CUSTOMER | 9360 KWH/CUST/YR |
| I. (5) KWH LINE LOSS PERCENTAGE | 5.8 % |
| I. (6) GROUP LINE LOSS MULTIPLIER | 1 |
| I. (7) CUSTOMER KWH PROGRAM INCREASE AT METER | 0 KWH/CUST/YR |
| I. (8)* CUSTOMER KWH REDUCTION AT METER | 8847 KWH/CUST/YR |

ECONOMIC LIFE & K FACTORS

| | |
|---|----------|
| II. (1) STUDY PERIOD FOR CONSERVATION PROGRAM | 10 YEARS |
| II. (2) GENERATOR ECONOMIC LIFE | 26 YEARS |
| II. (3) T & D ECONOMIC LIFE | 26 YEARS |
| II. (4) K FACTOR FOR GENERATION | 1.5983 |
| II. (5) K FACTOR FOR T & D | 1.5983 |
| II. (6)* SWITCH REV REQ(0) OR VAL-OF-DEF (1) | 1 |

UTILITY & CUSTOMER COSTS

| | |
|---|-----------------|
| III. (1) UTILITY NONRECURRING COST PER CUSTOMER | 55.00 \$/CUST |
| III. (2) UTILITY RECURRING COST PER CUSTOMER | 0.00 \$/CUST/YR |
| III. (3) UTILITY COST ESCALATION RATE | 2.6 % |
| III. (4) CUSTOMER EQUIPMENT COST | 3368.00 \$/CUST |
| III. (5) CUSTOMER EQUIPMENT ESCALATION RATE | 2.5 % |
| III. (6) CUSTOMER O & M COST | 0 \$/CUST/YR |
| III. (7) CUSTOMER O & M ESCALATION RATE | 2.5 % |
| III. (8)* CUSTOMER TAX CREDIT PER INSTALLATION | 0 \$/CUST |
| III. (9)* CUSTOMER TAX CREDIT ESCALATION RATE | 0 % |
| III. (10)* INCREASED SUPPLY COSTS | 0 \$/CUST/YR |
| III. (11)* SUPPLY COSTS ESCALATION RATE | 0 % |
| III. (12)* UTILITY DISCOUNT RATE | 0.0788 |
| III. (13)* UTILITY AFUDC RATE | 0.0779 |
| III. (14)* UTILITY NON RECURRING REBATE/INCENTIVE | 708.75 \$/CUST |
| III. (15)* UTILITY RECURRING REBATE/INCENTIVE | 0.00 \$/CUST/YR |
| III. (16)* UTILITY REBATE/INCENTIVE ESCAL RATE | 0 % |

AVOIDED GENERATOR, TRANS. & DIST COSTS

| | |
|--|-----------------|
| IV. (1) BASE YEAR | 2007 |
| IV. (2) IN-SERVICE YEAR FOR AVOIDED GENERATING UNIT | 2010 |
| IV. (3) IN-SERVICE YEAR FOR AVOIDED T & D | 2010 |
| IV. (4) BASE YEAR AVOIDED GENERATING UNIT COST | 574.13 \$/KW |
| IV. (5) BASE YEAR AVOIDED TRANSMISSION COST | 0 \$/KW |
| IV. (6) BASE YEAR DISTRIBUTION COST | 0 \$/KW |
| IV. (7) GEN, TRAN, & DIST COST ESCALATION RATE | 2.3 % |
| IV. (8) GENERATOR FIXED O & M COST | 8.87 \$/KW/YR |
| IV. (9) GENERATOR FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (10) TRANSMISSION FIXED O & M COST | 0 \$/KW/YR |
| IV. (11) DISTRIBUTION FIXED O & M COST | 0 \$/KW/YR |
| IV. (12) T&D FIXED O&M ESCALATION RATE | 2.3 % |
| IV. (13) AVOIDED GEN UNIT VARIABLE O & M COSTS | 0.272 CENTS/KWH |
| IV. (14) GENERATOR VARIABLE O&M COST ESCALATION RATE | 2.3 % |
| IV. (15) GENERATOR CAPACITY FACTOR | 5.8 % |
| IV. (16) AVOIDED GENERATING UNIT FUEL COST | 2.72 CENTS/KWH |
| IV. (17) AVOIDED GEN UNIT FUEL ESCALATION RATE | 3.16 % |
| IV. (18)* AVOIDED PURCHASE CAPACITY COST PER KW | 0 \$/KW/YR |
| IV. (19)* CAPACITY COST ESCALATION RATE | 0 % |

NON-FUEL ENERGY AND DEMAND CHARGES

| | |
|---|-----------------|
| V. (1) NON-FUEL COST IN CUSTOMER BILL | 1.370 CENTS/KWH |
| V. (2) NON-FUEL ESCALATION RATE | 1 % |
| V. (3) CUSTOMER DEMAND CHARGE PER KW | 7.25 \$/KW/MO |
| V. (4) DEMAND CHARGE ESCALATION RATE | 1 % |
| V. (5)* DIVERSITY and ANNUAL DEMAND ADJUSTMENT FACTOR FOR CUSTOMER BILL | 1 |

CALCULATED BENEFITS AND COSTS

| | |
|-------------------------------------|------|
| (1)* TRC TEST - BENEFIT/COST RATIO | 1.00 |
| (2)* PARTICIPANT NET BENEFITS (NPV) | 5 |
| (3)* RM TEST - BENEFIT/COST RATIO | 1.73 |

TAMPA ELECTRIC COMPANY
 DOCKET NO. 070375-EI
 STAFF'S INFORMAL DATA REQUEST
 FILED: FEBRUARY 27, 2008

TOTAL RESOURCE COST TESTS
PROGRAM: Commercial Water Heating

PSC FORM CE 2.3
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | |
|---------------|---|--|--|---------------------------|---------------------------|--|---|---------------------------------------|------------------------------|------------------------------|----------------------------|--|--|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | PARTICIPANT PROGRAM COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | PROGRAM FUEL SAVINGS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) | |
| 2007 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | (3) | (3) | |
| 2008 | 0 | 0 | 7 | 0 | 7 | 0 | 0 | 1 | 0 | 1 | (6) | (9) | |
| 2009 | 0 | 0 | 14 | 0 | 14 | 0 | 0 | 3 | 0 | 3 | (12) | (19) | |
| 2010 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (15) | |
| 2011 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (12) | |
| 2012 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (10) | |
| 2013 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (7) | |
| 2014 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (5) | |
| 2015 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 0 | 4 | 4 | (2) | |
| 2016 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 4 | 4 | 0 | |
| NOMINAL | 0 | 0 | 24 | 0 | 25 | 6 | 0 | 28 | 0 | 33 | 9 | | |
| NPV: | 0 | 0 | 22 | 0 | 22 | 4 | 0 | 19 | 0 | 22 | 0 | | |
| Discount Rate | | 0.0788 | Benefit/Cost Ratio - [col (11)/col (6)]: | | | | | 1.00 | | | | | |

60

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

PARTICIPANT COSTS AND BENEFITS
PROGRAM: Commercial Water Heating

PSC FORM CE 2.4
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
|---------|--|---------------------------|-------------------------------|------------------------------|------------------------------|---|---------------------------------------|---------------------------|---------------------------|----------------------------|---|
| YEAR | SAVINGS IN PARTICIPANTS BILL \$(000) | TAX CREDITS \$(000) | UTILITY REBATES \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | CUSTOMER EQUIPMENT COSTS \$(000) | CUSTOMER O & M COSTS \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | NET BENEFITS \$(000) | CUMULATIVE DISCOUNTED NET BENEFITS \$(000) |
| 2007 | 0 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 3 | (2) | (2) |
| 2008 | 1 | 0 | 1 | 0 | 3 | 7 | 0 | 0 | 7 | (4) | (6) |
| 2009 | 3 | 0 | 3 | 0 | 6 | 14 | 0 | 0 | 14 | (8) | (14) |
| 2010 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | (10) |
| 2011 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | (7) |
| 2012 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | (4) |
| 2013 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | (2) |
| 2014 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 |
| 2015 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 3 |
| 2016 | 4 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 5 |
| NOMINAL | 33 | 0 | 5 | 0 | 38 | 24 | 0 | 0 | 24 | 14 | |
| NPV: | 22 | 0 | 4 | 0 | 27 | 22 | 0 | 0 | 22 | 5 | |

In service year of gen unit: 2010
Discount rate: 0.0788

61

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-E1
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008

RATE IMPACT TEST
PROGRAM: Commercial Water Heating

PSC FORM GE 2.5
Page 1 of 1
August 2, 2007

| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) |
|----------------|---|--|-----------------------|------------------------------|---------------------------|---------------------------|---|---|-----------------------------|------------------------------|------------------------------|---|---|
| YEAR | INCREASED SUPPLY COSTS \$(000) | UTILITY PROGRAM COSTS \$(000) | INCENTIVES \$(000) | REVENUE LOSSES \$(000) | OTHER COSTS \$(000) | TOTAL COSTS \$(000) | AVOIDED GEN UNIT UNIT & FUEL BENEFITS \$(000) | AVOIDED T & D BENEFITS \$(000) | REVENUE GAINS \$(000) | OTHER BENEFITS \$(000) | TOTAL BENEFITS \$(000) | NET BENEFITS TO ALL CUSTOMERS \$(000) | CUMULATIVE DISCOUNTED NET BENEFIT \$(000) |
| 2007 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | (1) | (1) |
| 2008 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 1 | (1) | (1) |
| 2009 | 0 | 0 | 3 | 1 | 0 | 4 | 3 | 0 | 0 | 0 | 3 | (1) | (3) |
| 2010 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 4 | 3 | (1) |
| 2011 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 4 | 3 | 1 |
| 2012 | 0 | 0 | 0 | 1 | 0 | 1 | 4 | 0 | 0 | 0 | 4 | 3 | 3 |
| 2013 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 3 | 5 |
| 2014 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 3 | 6 |
| 2015 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 3 | 8 |
| 2016 | 0 | 0 | 0 | 2 | 0 | 2 | 4 | 0 | 0 | 0 | 4 | 3 | 9 |
| NOMINAL | 0 | 0 | 5 | 12 | 0 | 17 | 33 | 0 | 0 | 0 | 33 | 18 | |
| NPV: | 0 | 0 | 4 | 8 | 0 | 13 | 22 | 0 | 0 | 0 | 22 | 8 | |
| Discount rate: | | | 0.0788 | | | | Benefit/Cost Ratio - [col (12)/col (7)]: | | 1.73 | | | | |

62

TAMPA ELECTRIC COMPANY
DOCKET NO. 070375-EI
STAFF'S INFORMAL DATA REQUEST
FILED: FEBRUARY 27, 2008