

Con Edison and NYPA Standby Rate Design Workpapers

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The Workpapers have been scanned from hardcopy provided by Con Edison on Nov. 13, 2002 at Settlement Negotiations (but are public documents) and assembled in a series of acrobat (pdf) files which have been arbitrarily separated by the categories below into Rate Classes. The Table of contents below can be printed as pages and placed with each section. There are 527 numbered pages in the original workpapers with unnumbered title pages inserted at various points. The handwritten (by Con Edison) page numbers do not appear on all pages, but the sequence of pages here has been visually verified to ensure that all pages are present and in the appropriate place.

The E Cubed Company takes no responsibility for the content or the reproduction and posting of these documents. They are provided for information only to interested parties. There are five general sections: (1) Load research and cost data, (2) Con Edison Energy Only Classes; (3) Con Edison Demand Classes; (4) New York Power Authority Energy Only Classes; (5) NYPA Demand Classes.

| WP Pages | Description |
|-----------------|---|
| 1 - 5 | Load Research and Cost Data Used for Standby Rate Design |
| 6 - ff | Con Edison Energy Only Class Rate Design |
| 6 - 79 | Residential (SC Nos. 1, 7, and 12 Energy Only) |
| 80- 98 | Commercial (SC 2) |
| 99- ff | Con Edison Demand Class Rate Design |
| 99- 161 | SC 4 I & III, then SC 4 II (II summarized on 159-161) |
| 162-187 | SC5 I |
| 188-220 | SC5 II (II summarized on 218-220) |
| 221-256 | SC8 I&III (summarized on 254-256) |
| 257-299 | SC8 II (summarized on 297-299) |
| 300-328 | SC9 I&III (summarized on 327-328) |
| 329-363 | SC9 II (summarized on 361-363) |
| 364-399 | SC12 I&III (summarized on 398-399) |
| 400-442 | SC12 II (summarized on 440-442) |
| 443-472 | SC13 II (summarized on 471-472) |
| 473-480 | NYPA Energy Only Standby Rate Design |
| 481- ff | NYPA Demand Class Rate Design |
| 481-502 | NYPA Conventional Demand Billed Classes (summarized on 501-502) |
| 503-531 | NYPA II (summarized on 529-531) |

Before page 1
Con Edison and NYPA Standby Rate Design Workpapers

Load Research and Cost Data Used for Standby Rate Design

Before page 6
Con Edison Energy Only Class Rate Design
Residential (SC Nos. 1, 7, and 12 Energy Only) and Commercial (SC 2)

Con Edison Energy Only Class Rate Design
Residential (SC Nos. 1, 7, and 12 Energy Only) and Commercial (SC 2)
Elapsed Day Billing Calculations

Before page 54
Con Edison Energy Only Class Rate Design
Residential (SC Nos. 1, 7, and 12 Energy Only)

Before page 80
Con Edison Energy Only Class Rate Design
Commercial (SC 2)

Before page 99

Con Edison Demand Class Rate Design

[note the Service Classification number on the foot of succeeding pages, e.g. SC 4 I, etc.]

On page 99 SC 4 I&III begin followed by II

On page 146 SC4 138 kV and above Customers begins

Pages 159 to 161 summarize the Standby Rates for SC4 II – various types of customers

On page 162 SC5 I begins

Pages 186 to 187 summarize the Standby Rates for SC5 I – various types of customers

On page 188 SC5 II begins

On page 205 SC5 138 kV and above Customers begins

Pages 218 to 220 summarize the Standby Rates for SC5 II – various types of customers

On page 221 SC 8 I&III begin

Pages 254 to 256 summarize the Standby Rates for SC8 I&III – various types of customers

On page 257 SC 8 II Low Tension (LT) begins

On page 275 SC 8 II High Tension (HT) begins

Pages 297 to 299 summarize the Standby Rates for SC8 II – various types of customers (LT, HT, 138 kV)

On page 300 SC 9 I&III begin

Pages 300-305 SC 9 I&III Inputs

Pages 306 – 309 SC9 Contract and As-used Revenue Allocation for HT and LT Customers – [the 100/50/0 formulas provided by Electric Engineering]

Page 309 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 9 Rate I and III HT and LT customers

Pages 310-311 develop C. the daily as-used on-peak transmission demand charge for HT and LT Customers \$/kW

Pages 312-313 develop (D) the daily as-used on-peak substation demand charge for HT and LT Customers \$/kW

Pages 314-315 develop (E) the daily as-used on-peak primary demand charge for HT and LT Customers \$/kW

Pages 316 develops (F) the daily as-used on-peak secondary demand charge for HT and LT Customers \$/kW

Pages 317 (summer) -318 (winter) develop (G) SC9 I and III Standby Rate Priceout
Bottom of Page 318 Summary of Transmission and Distribution Contract Demand and As-Used Price-Outs and Summary of Rates

Pages 319-326 address the Standby MAC Factor (Monthly Adjustment Charge)

Pages 327 to 328 summarize the Standby Rates for SC9 I&III – various types of customers (LT, HT, 138 kV)

On page 329 SC 9 II begins

Pages 329-334 SC 9 II Inputs

Pages 335 – 337 SC9 Contract and As-used Revenue Allocation for HT and LT Customers – [the 100/50/0 formulas provided by Electric Engineering]

Page 338 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 9 Rate I and III HT and LT customers

Pages 339-340 develop C. the daily as-used on-peak transmission demand charge for HT and LT Customers \$/kW

Pages 341-342 develop (D) the daily as-used on-peak substation demand charge for HT and LT Customers \$/kW

Pages 343-344 develop (E) the daily as-used on-peak primary demand charge for HT and LT Customers \$/kW

Pages 345 develops (F) the daily as-used on-peak secondary demand charge for HT and LT Customers \$/kW

Pages 346 (summer) -347 (winter) develop (G) SC9 II Standby Rate Priceout

Page 348 – 353 SC Standby Rate Design Applicable to SC9 138 kV and above customers

Pages 354- 360 address the Standby MAC Factor (Monthly Adjustment Charge)

Pages 361 to 363 summarize the Standby Rates for SC9 I&III – various types of customers (LT, HT, 138 kV)

Pages 364-369 SC 12 I&III Inputs

Pages 370 – 372 SC12 Contract and As-used Revenue Allocation for LT Customers – [the 100/50/0 formulas provided by Electric Engineering]

Page 373 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 12 Rate I and III LT customers

Pages 374 develop C. the daily as-used on-peak transmission demand charge for LT Customers \$/kW

Pages 375 develop (D) the daily as-used on-peak substation demand charge for LT Customers \$/kW

Pages 376 develop (E) the daily as-used on-peak primary demand charge for LT Customers \$/kW

Pages 377 develops (F) the daily as-used on-peak secondary demand charge for LT Customers \$/kW

Pages 378 (summer) -379 (winter) develop (G) SC12 I and III Standby Rate Priceout
Bottom of Page 379 Summary of Transmission and Distribution Contract Demand and As-Used Price-Outs and Summary of Rates

Pages 380 – 382 SC12 and Actual 12 III Contract and As-used Revenue Allocation for HT Customers – [the 100/50/0 formulas provided by Electric Engineering]

Page 383 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 12 Rate I and III HT customers

Pages 384 – 385 develop C. the daily as-used on-peak transmission demand charge for HT Customers \$/kW

Pages 386 – 387 develop (D) the daily as-used on-peak substation demand charge for HT Customers \$/kW

Pages 388 develop (E) the daily as-used on-peak primary demand charge for HT Customers \$/kW

Pages 389 (summer) -390 (winter) develop (G) SC12 I and III Standby Rate HT Priceout

Pages 391-397 address the Standby MAC Factor (Monthly Adjustment Charge)

Pages 398 to 399 summarize the Standby Rates for SC12 I&III – various types of customers (LT, HT)

On page 400 SC 12 II begins
Pages 400-404 SC 12 II Inputs
Pages 405 – 407 SC12 Contract and As-used Revenue Allocation for LT Customers – [the 100/50/0 formulas provided by Electric Engineering]
Page 408 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 12 Rate II LT customers
Pages 409-410 develop C. the daily as-used on-peak transmission demand charge for LT Customers \$/kW
Pages 410-411 develop (D) the daily as-used on-peak substation demand charge for LT Customers \$/kW
Pages 411-412 develop (E) the daily as-used on-peak primary demand charge for LT Customers \$/kW
Pages 412 develops (F) the daily as-used on-peak secondary demand charge for LT Customers \$/kW
Pages 413 (summer) -414 (winter) develop (G) SC12 II Standby Rate Priceout
Pages 415 – 417 SC12 HT Customers Contract and As-used Revenue Allocation for HT Customers – [the 100/50/0 formulas provided by Electric Engineering]
Page 418 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 12 Rate II HT customers
Pages 419 – 420 develop C. the daily as-used on-peak transmission demand charge for HT Customers \$/kW
Pages 421 – 422 develop (D) the daily as-used on-peak substation demand charge for HT Customers \$/kW
Pages 423-424 develop (E) the daily as-used on-peak primary demand charge for HT Customers \$/kW
Pages 425 (summer) -426 (winter) develop (G) SC12 II Standby Rate HT Priceout
Page 427 –432 SC12 138 kV and Above Customers Standby Rate Design
Pages 433-439 address the SC 12 II Standby MAC Factor (Monthly Adjustment Charge)
Pages 440 to 442 summarize the Standby Rates for SC12 II – various types of customers (LT, HT, 138kV)

On page 443 SC 13 II begins
Pages 443-447 SC 13 II Inputs
Pages 448 – 450 SC13 Contract and As-used Revenue Allocation for HT and LT Customers – [the 100/50/0 formulas provided by Electric Engineering]
Page 451 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to SC 13 Rate II HT customers
Pages 452-453 develop C. the daily as-used on-peak transmission demand charge for HT Customers \$/kW
Pages 454-455 develop (D) the daily as-used on-peak substation demand charge for HT Customers \$/kW
Pages 456-457 develop (E) the daily as-used on-peak primary demand charge for HT and LT Customers \$/kW
Pages 458 (summer) -459 (winter) develop (G) SC13 II Standby Rate Priceout
Page 460 –465 SC13 138 kV and Above Customers Standby Rate Design
Pages 466-470 address the SC 13 II (TODL) Standby MAC Factor (Monthly Adjustment Charge)
Pages 471 (HT) to 472 (138 kV) summarize the Standby Rates for SC13 II – various types of customers

Before Page 473
NYPA Energy Only Class Rate Design

Pages 473-480 NYPA Energy Only Standby Rate Design

Before Page 481
NYPA Demand Class Rate Design

On page 481 NYPA Conventional Demand Billed Classes begins
Pages 481-485 NYPA Conv Demand Billed Classes Inputs
Pages 486-488 NYPA II Contract and As-used Revenue Allocation for HT and LT Customers – [the 100/50/0 formulas provided by Electric Engineering]
Page 489 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to NYPA Conv Demand Billed Rate I customers
Pages 489-491 develop C. the daily as-used on-peak transmission demand charge for HT and LT Customers \$/kW
Pages 492-494 develop (D) the daily as-used on-peak substation demand charge for HT and LT Customers \$/kW
Pages 495-497 develop (E) the daily as-used on-peak primary demand charge for HT and LT Customers \$/kW
Pages 498 develops (F) the daily as-used on-peak secondary demand charge for HT and LT Customers \$/kW
Pages 499 (summer) -500 (winter) develop (G) NYPA II Standby Rate Priceout
Pages 501 (LT) to 502 (HT) summarize the Standby Rates for NYPA Conventional – various types of customers

On page 503 NYPA II begins
Pages 503-506 NYPA II Inputs
Pages 507 – 509 NYPA Contract and As-used Revenue Allocation for HT and LT Customers – [the 100/50/0 formulas provided by Electric Engineering]
Page 510 develops (A) the Customer Charge and (B) the Contract Demand Charges per kW applicable to NYPA Rate II HT and LT customers
Pages 511-513 develop C. the daily as-used on-peak transmission demand charge for HT and LT Customers \$/kW
Pages 514-516 develop (D) the daily as-used on-peak substation demand charge for HT and LT Customers \$/kW
Pages 517-519 develop (E) the daily as-used on-peak primary demand charge for HT and LT Customers \$/kW
Pages 520 develops (F) the daily as-used on-peak secondary demand charge for HT and LT Customers \$/kW
Pages 521 (summer) -522 (winter) develop (G) NYPA II Standby Rate Priceout
Page 523–528 NYPA 138 kV and Above Customers Standby Rate Design
Pages 529 (LT) to 530 (HT) to 531 (138 kV) summarize the Standby Rates for NYPA II – various types of customers