# Exhibit No. ISO-17

# ACCESS CHARGE WORKSHEET



TAC **Components:**

| | Filed Annual TRR Existing HV Facilities ($) [1] | Filed Annual TRR New HV Facilities ($) [2] | Filed Annual Gross Load (MWh) [3] | TAC Area [4] | Total Filed TRR ($1000) [5] = [1] + [2] | HV Utility Specific Rate ($/MWH) [6] = [5] / [3] | TAC Area Rate ($/MWH) [7] = [16] |
|---|---|---|---|---|---|---|---|
| **RATE @ 1Jan03** | | | | | | | |
| PG&E | $ 116,274,905 | $ - | 85,707,000 | N | $ 116,274,905 | $ **1.3567** | $ **1.8428** |
| SCE | $ 169,946,053 | $ 7,062,648 | 84,358,000 | EC | $ 177,008,701 | $ **2.0983** | $ **2.6468** |
| SDG&E | $ 41,321,927 | $ 815,050 | 17,700,683 | S | $ 42,136,977 | $ **2.3805** | $ **2.5273** |
| Anaheim | $ 23,665,095 | $ - | 2,589,830 | EC | $ 23,665,095 | $ **9.1377** | $ **2.6468** |
| Azusa | $ 1,812,911 | $ - | 239,575 | EC | $ 1,812,911 | $ **7.5672** | $ **2.6468** |
| Banning | $ 1,262,005 | $ - | 139,457 | EC | $ 1,262,005 | $ **9.0494** | $ **2.6468** |
| Riverside | $ 19,481,736 | $ - | 1,814,019 | EC | $ 19,481,736 | $ **10.7395** | $ **2.6468** |
| Vernon | $ 10,175,975 | $ - | 1,210,668 | EC | $ 10,175,975 | $ **8.4053** | $ **2.6468** |
| New PTO | $ - | $ 50,000,000 | - | N | $ 50,000,000 | | |
| Total | $ **383,940,607** | $ **57,877,698** | **193,759,232** | | $ **441,818,305** | | |

STEP 1: **Calculate the Access Charge Rate for each TAC Area.**

**TAC-Area portion is the percent of Total TRR in each area which has not yet transitioned to the ISO (70%) divided by the Total Load of each area.**
**The ISO portion is the percent of all TRR which has transitioned to ISO-Wide (30%), plus the TRR of New HV Facilities, divided by total load.**

| | Annual TRR Existing HV Facilities ($) [8] = [1] | Annual TAC Area TRR ($) [9] = [8] x 70% | Annual Gross Load (GWH) [10] | TAC Area Rate ($/MWH) [11] = [9] / [10] |
|---|---|---|---|---|
| North | $ 116,274,905 | $ 81,392,434 | 85,707,000 | $ **0.9497** |
| East/C | $ 226,343,775 | $ 158,440,643 | 90,351,549 | $ **1.7536** |
| South | $ 41,321,927 | $ 28,925,349 | 17,700,683 | $ **1.6341** |
| Total | $ **383,940,607** | $ **268,758,425** | **193,759,232** | |

| | ISO Wide TRR Existing HV Facilities ($) [12] Total [8] x 30% | ISO Wide TRR New HV Facilities ($) [13] = Total [2] | ISO Wide Annual Gross Load (GWH) [14] | ISO Wide Rate ($/MWH) [15] = ( [12] + [13] ) / [14] |
|---|---|---|---|---|
| ISO-wide | $ **115,182,182** | $ **57,877,698** | **193,759,232** | $ **0.8932** |

| | TAC Rate (TAC Area + ISO Wide) ($/MWH) [16] = [11] + [15] | Wheeling Rate (TAC Area + ISO Wide) ($/MWH) = [16] |
|---|---|---|
| **North** | $ **1.8428** | $ **1.84** |
| **East/Central** | $ **2.6468** | $ **2.65** |
| **South** | $ **2.5273** | $ **2.53** |

STEP 2: **Calculate the HV Access Charge the UDC/MSS pays on Filed Gross Load and Benefit/Burden**

| | TAC Area [17] = [4] | Filed Gross Load (MWH) [18] = [3] | TAC Area Rate for Existing HV Facilities ($/MWH) [19] = [11] + ( [12] / [14] ) | Amount Paid Based on Filed Gross Load ($) [20] = [18] x [19] | Utility Specific Rate for Existing HV Facilities ($/MWH) [21] = [1] / [3] | Would Have Paid w/ Utility Specific Rate ($) [22] = [18] x [21] | Access Charge (Benefit)/Burden ($) [23] = [20] - [22] |
|---|---|---|---|---|---|---|---|
| PG&E | N | 85,707,000 | $ 1.5441 | $ 132,341,847 | $ 1.3567 | $ 116,274,905 | $ 16,066,942 |
| SCE | EC | 84,358,000 | $ 2.3481 | $ 198,077,831 | $ 2.0146 | $ 169,946,053 | $ 28,131,778 |

# ACCESS CHARGE WORKSHEET



| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SDG&E | S | 17,700,683 | $ | 2.2286 | $ | 39,447,703 | $ | 2.3345 | $ | 41,321,927 | $ | (1,874,224) |
| Anaheim | EC | 2,589,830 | $ | 2.3481 | $ | 6,081,082 | $ | 9.1377 | $ | 23,665,095 | $ | (17,584,013) |
| Azusa | EC | 239,575 | $ | 2.3481 | $ | 562,537 | $ | 7.5672 | $ | 1,812,911 | $ | (1,250,374) |
| Banning | EC | 139,457 | $ | 2.3481 | $ | 327,454 | $ | 9.0494 | $ | 1,262,005 | $ | (934,551) |
| Riverside | EC | 1,814,019 | $ | 2.3481 | $ | 4,259,429 | $ | 10.7395 | $ | 19,481,736 | $ | (15,222,307) |
| Vernon | EC | 1,210,668 | $ | 2.3481 | $ | 2,842,724 | $ | 8.4053 | $ | 10,175,975 | $ | (7,333,251) |
| Total | | **193,759,232** | | | **$** | **383,940,607** | | | **$** | **383,940,607** | **$** | **(0)** |

*Note: ISO total for Access Charge (Benefit)/Burden may not equal zero due to rounding of TAC Rate*

STEP 3: **For Information Only -- Projected annual net benefits/burdens from Access Charge.**
$32/32/8 million cap for IOUs; munis are held harmless; IOUs pay muni cost increases in proportion to their cap relative to the total cap.

| | Access Charge (Benefit)/ Burden ($) *[24] = [23]* | Annual Cap on IOU Burden ($) *[25]* | Amount IOUs' Cap Exceeds IOUs' Burden ($) *[26] IF ([25] - [24] >0) = [25] - [24]. If no cap, then 0.* | Amount IOU's Burden Exceeds IOU's Cap ($) *[27] IF [24] - [25] >0 = [24] - [25]. If no cap, then 0.* | Payments by Entities with Net Benefit ($) *[28] IOUs = ([26] / total[26]) x total[27]. Munis = ([24] / total[24]) x total[27] - total[26]* | Mitigation Payments ($) *[29] = [28] - [27]* | Adjusted Net (Benefit)/ Burden ($) *[30] = [24] + [29]* | Reallocation of IOU Burden ($) *[31] Reallocate IOU Burden [33] so it is proportional to IOU Cap [25] = [33] - [30]* | Transition Charge ($) *[32] = - [27] + [29] + [31]* | Adjusted Net (Benefit)/ Burden ($) *[33] = [30] + [31]* | Transition Charge Rate ($/MWh) *[34] = [32] / [18]* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PG&E | $ 16,066,942 | $ 32,000,000 | $ 15,933,058 | $ 0 | $ 0 | $ 0 | $ 16,066,942 | $ 2,743,945 | $ 2,743,945 | $ 18,810,887 | $ 0.0320 |
| SCE | $ 28,131,778 | $ 32,000,000 | $ 3,868,222 | $ 0 | $ 0 | $ 0 | $ 28,131,778 | $ (9,320,891) | $ (9,320,891) | $ 18,810,887 | $ (0.1105) |
| SDG&E | $ (1,874,224) | $ 8,000,000 | $ 9,874,224 | $ 0 | $ 0 | $ 0 | $ (1,874,224) | $ 6,576,946 | $ 6,576,946 | $ 4,702,722 | $ 0.3716 |
| Anaheim | $ (17,584,013) | $ 0 | $ 0 | $ 0 | $ 0 | $ 0 | $ (17,584,013) | $ 0 | $ 0 | $ (17,584,013) | $ 0.0000) |
| Azusa | $ (1,250,374) | $ 0 | $ 0 | $ 0 | $ 0 | $ 0 | $ (1,250,374) | $ 0 | $ 0 | $ (1,250,374) | $ 0.0000) |
| Banning | $ (934,551) | $ 0 | $ 0 | $ 0 | $ 0 | $ 0 | $ (934,551) | $ 0 | $ 0 | $ (934,551) | $ 0.0000) |
| Riverside | $ (15,222,307) | $ 0 | $ 0 | $ 0 | $ 0 | $ 0 | $ (15,222,307) | $ 0 | $ 0 | $ (15,222,307) | $ 0.0000) |
| Vernon | $ (7,333,251) | $ 0 | $ 0 | $ 0 | $ 0 | $ 0 | $ (7,333,251) | $ 0 | $ 0 | $ (7,333,251) | $ 0.0000) |
| Total | **$ (0)** | **$ 72,000,000** | **$ 29,675,504** | **$ 0** | $ 0 | **$ 0** | **$ (0)** | **$ (0)** | **$ (0)** | **$ (0)** | |

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Note: Jan03 includes 4 new PTOs.

## January 2003 ISO Access Charge Rate

### HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS

| PTO | | HV TRR | LV TRR | New HV Facilities | New LV Facilities | Total HV Filed TRR | Total LV Filed TRR | Info Only Combined TRR |
|---|---|---|---|---|---|---|---|---|
| PGE | Base TRR | 154,356,411 | 211,743,589 | | | 154,356,411 | 211,743,589 | 366,100,000 |
| | TRBAA (as of 30Sep02) | (37,385,610) | (17,539,182) | | | (37,385,610) | (17,539,182) | (54,924,792) |
| | Standby Credit | (695,896) | (954,619) | | | (695,896) | (954,619) | (1,650,515) |
| | Total | 116,274,905 | 193,249,788 | | | 116,274,905 | 193,249,788 | 309,524,693 |
| | Gross Load | 85,707,000 | 85,707,000 | | | 85,707,000 | 85,707,000 | 85,707,000 |
| | Utility Specific Access Charges ($/kWh) | 1.3567 | 2.2548 | | | 1.3567 | 2.2548 | 3.6114 |
| | Effective Date / Docket # | 6-May-01ER01-839 (Approved) 1-Jan-03 ER03-??? (????) | | | | | | |
| SCE | Base TRR | 213,079,025 | 29,065,800 | 8,855,175 | | 221,934,200 | 29,065,800 | 251,000,000 |
| | TRBAA (as of 30Sep02) | (42,061,674) | (1,850,304) | (1,748,006) | | (43,809,680) | (1,850,304) | (45,659,984) |
| | Standby Credit | (1,071,298) | (134,259) | (44,521) | | (1,115,819) | (134,259) | (1,250,078) |
| | Total | 169,946,053 | 27,081,237 | 7,062,648 | | 177,008,701 | 27,081,237 | 204,089,938 |
| | Gross Load | 84,358,000 | 84,358,000 | 84,358,000 | | 84,358,000 | 84,358,000 | 84,358,000 |
| | Utility Specific Access Charges ($/kWh) | 2.0146 | 0.3210 | 0.0837 | | 2.0983 | 0.3210 | 2.4193 |
| | Effective Date / Docket # | 1-Sep-02 ER02-925 (Settled) 1-Jan-03 ER03-??? (????) | | 1-Sep-02 ER02-925 (Accepted) | | | | |
| SDGE | Base TRR | 53,591,200 | 50,408,800 | 820,760 | 338,570 | 54,411,960 | 50,747,370 | 105,159,330 |
| | TRBAA (as of 30Sep02) | (12,093,556) | 1,986,497 | (5,710) | 13342 | (12,099,266) | 1,999,839 | (10,099,427) |
| | Standby Credit | (175,717) | (165,283) | | | (175,717) | (165,283) | (341,000) |
| | Total | 41,321,927 | 52,230,014 | 815,050 | 351,912 | 42,136,977 | 52,581,926 | 94,718,903 |
| | Gross Load | 17,700,683 | 17,700,683 | 17,700,683 | 17,700,683 | 17,700,683 | 17,700,683 | 17,700,683 |
| | Utility Specific Access Charges ($/kWh) | 2.3345 | 2.9507 | 0.0460 | 0.0199 | 2.3805 | 2.9706 | 5.3511 |
| | Effective Date / Docket # | 1-Jan-01 ER97-2364 (Approved) 1-Jan-03 ER03-??? (????) | | 1-Jul-02 ER02-1687 (Accepted) 1-Nov-01 ER01-3074 (Accepted) | | | | |
| Vernon | Base TRR | 10,216,178 | | | | 10,216,178 | | 10,216,178 |
| | TRBAA (as of 30Sep02) | (40,203) | | | | (40,203) | | (40,203) |
| | Standby Credit | - | | | | - | | - |
| | Total | 10,175,975 | | | | 10,175,975 | | 10,175,975 |
| | Gross Load | 1,210,668 | | | | 1,210,668 | | 1,210,668 |
| | Utility Specific Access Charges ($/kWh) | 8.4053 | | | | 8.4053 | | 8.4053 |
| | Effective Date / Docket # | 1-Jan-03 EL03-31 (Filed) | | | | | | |

Note: Jan03 includes 4 new PTOs.

## January 2003 ISO Access Charge Rate

### HIGH VOLTAGE AND LOW VOLTAGE COMPONENTS

| PTO | | HV TRR | LV TRR | New HV Facilities | New LV Facilities | Total HV Filed TRR | Total LV Filed TRR | Info Only Combined TRR |
|---|---|---|---|---|---|---|---|---|
| Anaheim | Base TRR | 23,980,095 | | | | 23,980,095 | | 23,980,095 |
| | TRBAA (as of 01Jan03) | (315,000) | | | | (315,000) | | (315,000) |
| | Standby Credit | - | | | | - | | - |
| | Total | 23,665,095 | | | | 23,665,095 | | 23,665,095 |
| | Gross Load | 2,589,830 | | | | 2,589,830 | | 2,589,830 |
| | Utility Specific Access Charges ($/kWh) | 9.1377 | | | | 9.1377 | | 9.1377 |
| | Effective Date | 1-Jan-03 | | | | | | |
| | Docket # | EL03-15 (Filed) | | | | | | |
| Azusa | Base TRR | 1,895,199 | | | | 1,895,199 | | 1,895,199 |
| | TRBAA (as of 01Jan03) | (82,288) | | | | (82,288) | | (82,288) |
| | Standby Credit | - | | | | - | | - |
| | Total | 1,812,911 | | | | 1,812,911 | | 1,812,911 |
| | Gross Load | 239,575 | | | | 239,575 | | 239,575 |
| | Utility Specific Access Charges ($/kWh) | 7.5672 | | | | 7.5672 | | 7.5672 |
| | Effective Date | 1-Jan-03 | | | | | | |
| | Docket # | EL03-14 (Filed) | | | | | | |
| Banning | Base TRR | 1,300,156 | 61,208 | | | 1,300,156 | 61,208 | 1,361,364 |
| | TRBAA (as of 01Jan03) | (38,151) | - | | | (38,151) | - | (38,151) |
| | Standby Credit | - | - | | | - | - | - |
| | Total | 1,262,005 | 61,208 | | | 1,262,005 | 61,208 | 1,323,213 |
| | Gross Load | 139,457 | 139,457 | | | 139,457 | 139,457 | 139,457 |
| | Utility Specific Access Charges ($/kWh) | 9.0494 | 0.4389 | | | 9.0494 | 0.4389 | 9.4883 |
| | Effective Date | 1-Jan-03 | | | | | | |
| | Docket # | EL03-21 (Filed) | | | | | | |
| Riverside | Base TRR | 19,754,736 | | | | 19,754,736 | | 19,754,736 |
| | TRBAA (as of 01Jan03) | (273,000) | | | | (273,000) | | (273,000) |
| | Standby Credit | - | | | | - | | - |
| | Total | 19,481,736 | | | | 19,481,736 | | 19,481,736 |
| | Gross Load | 1,814,019 | | | | 1,814,019 | | 1,814,019 |
| | Utility Specific Access Charges ($/kWh) | 10.7395 | | | | 10.7395 | | 10.7395 |
| | Effective Date | 1-Jan-03 | | | | | | |
| | Docket # | EL03-20 (Filed) | | | | | | |