This response contains confidential information, which is indicated by **XX**

Question #4 Follow Up: For each account, please include the SDG&E tariff, the account number, the monthly customer charges, the monthly energy charges, and the monthly demand charges (if applicable).  In addition, for each account, please provide the applicable billing determinants (e.g., on-peak energy, semi-peak energy, off-peak energy, non-coincident demand, peak demand, off-peak demand, etc.) and corresponding rates.  **In addition, if SDG&E uses a non-MS Excel-based model to develop its estimates of monthly bills, please provide an MS-Excel-based formula that replicates the bill estimates that SDG&E provides that uses the billing determinants and rates presented in the response to this data request.**

The bills that SDG&E provided in the Excel sheet were simply numbers, not formulae calculating the bills. As a result, the response as presented is not fully responsive to the request.

Aside from the calculation of the bill impacts, I also had some questions about how SDG&E determined which accounts were included in the response. For example, after examining the Excel file, I found that the file showed that SDG&E originally looked at **XX** accounts in its dataset but then it reduced the number to **XX** “Unique Accounts Requested," and then further reduced the number to **XX** accounts for which it actually provided data (although when I did a check, it looks like SDG&E provided bills for **XX** accounts). SDG&E claims that it dropped accounts for the following reason(s):

|  |
| --- |
| Potential Reasons an Account is excluded: |
| -  Duplicated account and premise id or service point |
| - Account number did not have corresponding service point |
| - Does not have 12 full months of AMI data |

In addition, I found that if I were to only count the accounts that have non-zero “ACCT\_TERM\_DT” fields (which I take to be a date upon which an account was terminated), there are **XX** accounts.

Would it be possible to set up a call this week to discuss these questions and issues regarding SDG&E’s response to the City’s data request?

**SDG&E Response:**

With regards to excluding accounts, there were two phases:

* Phase I:
  + City of San Diego submitted a list of accounts that contained **XX** rows
  + Phase I found that there are **XX** valid and unique accounts contained within the City of San Diego list
    - The original list of accounts requested by the City of San Diego was littered with duplicates and missing data
      * ACCT\_NBR / PREM\_ID / SERV\_PT\_ID combinations are listed multiple times
        + E.g.: Cells A11:H15 in the “City of San Diego – DR01\_Q4 Followup\_07082019.xlsx” document list the exact same values five times
      * SERV\_PT\_ID information is missing
        + These missing values prevent us from performing a search within the GRC Phase 2 related CCE data
    - Filtering based on unique ACCT\_NBR / PREM\_ID / SERV\_PT\_ID values, we arrive at the “Unique Accounts Requested” table in the Excel file
* Phase II:
  + There were **XX** unique accounts identified during Phase I
  + Phase II found **XX** accounts that had Centralized Calculation Engine (CCE) data and passed the standard SDG&E Bill Impact filtering criteria
    - Not all of the Accounts provided by the City of San Diego are enrolled on electric rates
      * E.g.: Row 20, 29 and many others in the Excel file (“Accounts” tab) indicate Service Points that are enrolled on a Gas rate (GN3)
    - Not all of the Accounts had CCE data generated during the GRC Phase 2 Bill Impact Runs (missing accounts)
      * The exact cause of the failures isn’t known, but oftentimes there are data issues, conflicting records passed from CISCO (SDG&E’s CIS) to CCE, among many other possible reasons
    - Not all the Accounts had 12 months of billing data
      * It’s standard practice as part of the Bill Impact process to exclude records that do not have 12 months’ worth of billing data
      * This attempts to create meaningful apples-to-apples comparisons since equivalent billing durations can then be effectively compared

You mention that SDG&E provided bills for **XX** accounts. However, running a unique count on Columns A thru C on the “Current Rates (3-1)” Excel tab show that we in fact provided bill data for **XX** accounts.

SDG&E uses a modeling system managed by a third party to run the bill impacts. It is named the Centralized Calculation Engine (CCE). SDG&E uses an excel based model to calculate the rates, (see workpapers of Chapter 2 witness Gwen Morien), which are then fed into the CCE, and the resulting output are the monthly bill impacts in excel form. SDG&E does not have available an excel based model, nor has it ever had one, that calculates the bill impacts because the CCE does those calculations. However, the longhand calculation would be the following that could be entered into Excel:

Total Bill = UDC Charge (UCD Rate) + On-Peak KWH(On-Peak Rate) + Semi-Off Peak KWH(Semi Off Peak Rate) + Off-Peak KWH(Semi Off Peak Rate) + EECC KWH Charges(Rate) + Demand Charges + DWR Bond Charge + Basic Service Fee + State Charge

Contact:

Greg Anderson

San Diego Gas & Electric

Regulatory Affairs