

# **PSDB POWER STUDIES DATABASE 2015**©

PSDB is an easy to use database program designed to assist facility owners and maintenance personnel to comply with **OSHA**, **NEC**, and **NFPA 70E** regulations and standards. The database program stores not only your electrical distribution system equipment nameplate data but the power system study results. This enables the user to obtain study results and equipment information without searching multiple files and report binders.

This program will enable you to:

- Display and print
  - Short Circuit results
  - Arc Flash study results
  - Protective device settings
  - Time Current Curve device number and curve discussions
- Equipment nameplate data for

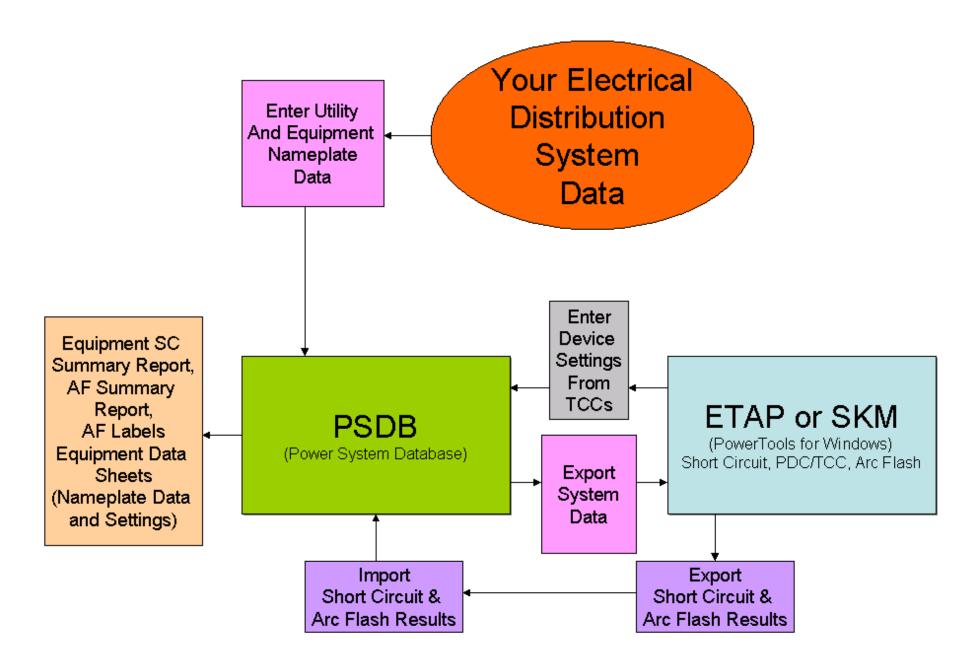
| Motors       | Transformers             | Transfer<br>Switches   | Generators                     | Panelboards              |
|--------------|--------------------------|------------------------|--------------------------------|--------------------------|
| Switchboards | Motor Control<br>Centers | Circuit<br>Breakers    | Fuses                          | Relays                   |
| Switchgear   | Substations              | Disconnect<br>Switches | Power<br>Distribution<br>Units | Variable<br>Speed Drives |

Print multiple copies of the Arc Flash Labels

This Access Database program will enable you to quickly and easily look up short circuit, arc flash study values, protective device settings, and equipment nameplate data for various locations in your facility. This will reduce future engineering research and data gathering costs for facility additions and renovations.

We will get you set up based on your facilities needs and unique design. Once you're up and running, this program can be made available for you to make updates as you encounter improvements or additions to your electrical distribution system.

The flow chart on the next page shows the flow of equipment nameplate data and study results into and out of the PSDB program.



The following pages are brief discussions and screen prints of the PSDB program.

## **Short Circuit Results**

The PSDB program allows the importation of the short circuit calculation results from ETAP or SKM. The short circuit summary list will allow you to compare the calculated available fault current to your equipment short circuit rating. Any equipment that is underrated will be flagged on the right side of the report.

SC Import Adjustment: 100%

Scenario 1: Normal

Scenario 2: Emergency

|                  | Low Voltage Equipment Short Circuit Summary List  |           |               |           |          |          |         |              |             |          |               |    |          |                 |     |
|------------------|---|-----------|---------------|-----------|----------|----------|---------|--------------|-------------|----------|---------------|----|----------|-----------------|-----|
|                  | Node ID     Node Name     Volts     Device     Cat     Equip     1/2 Cycle     1/2 Cycle     1/2 Cycle       Node ID     Node Name     Volts     Device     Cat     With     Int     Ratio (ACComp)     (KA)     MF     X MF     S#     Fault |           |               |           |          |          |         |              |             |          |               |    | Under    | oment<br>rated? |     |
| Node ID          | Node Name   | Volts     | Device<br>N/A | Cat       | With     | Int      |         |              |             | MF       | XMF           | S# | Fault    | With            | Int |
| DWBH             | DISHWASH BOOST  | 208       |               |           |          |          | 0.97    | 6.6          | 6.6         |          |               | 1  | 3 Phase  |                 |     |
|                  |   | Comme     | ent:          | _         |          |          |         |              |             |          |               | _  |          |                 |     |
| GEN              | GENERATOR   | 208       | N/A           |           |          |          |         |              |             |          |               |    |          |                 |     |
| 15               |   | Comme     | ent: Kohler;  | 500k\     | V - Unal | ble to a | ccess n | ameplate. Co | verlocked a | nd key   | not available |    |          |                 |     |
| GEN-BUS          | GEN BUS   | 208       | МССВ          | 2         |          | 100.0    | 7.16    | 14.3         | 19.4        | 1.083    | 15.5          | 2  | 3 Phase  |                 |     |
|                  |   | Comme     | ent:          |           |          |          |         |              |             |          |               |    |          |                 |     |
| PNL-EP           | PANEL EP  | 208       | МССВ          | _         |          |          | 0.57    | 9.1          | 9.1         | <u> </u> |               | 1  | 3 Phase  |                 |     |
| · · · <b>-</b> · | odrači da <del>na krate</del><br>Po   | 192002342 | ent: UPS/IN   | L<br>VERT | ER UNI   | T WITH   | 70/1 BI | REAKER       |             |          |               |    |          |                 |     |
|                  |   |           |               |           |          |          |         |              |             |          |               |    | :        |                 |     |
| PNL-KA           | PANEL KA  | 208       | MCCB          | 2         |          | 22.0     | 1.07    | 8.2          | 8.3         | 1        | 8.2           | 1  | 3 Phase  |                 |     |
|                  |   | Comme     | ent:          |           |          |          |         |              |             |          |               |    |          | J               |     |
| PNL-KB           | PANEL KB  | 208       | MCCB          | 2         |          | 22.0     | 1.82    | 10.1         | 10.4        | 1        | 10.1          | 1  | 3 Phase  |                 |     |
|                  |   | Comme     | ent:          |           |          |          |         |              |             |          | • •           |    |          |                 |     |
| PNL-KC           | PANEL KC  | 208       | МССВ          | 2         |          | 22.0     | 1.68    | 15.3         | 15.6        | 1        | 15.3          | 1  | 3 Phase  |                 |     |
|                  |   | Comme     | ent:          |           |          |          |         | I            | I           |          | I             |    |          |                 |     |
| PNL-KD           | PANEL KD  | 208       | МССВ          | 2         |          | 22.0     | 0.77    | 6.7          | 6.7         | 1        | 6.7           | 1  | 3 Phase  |                 |     |
|                  |   |           |               | 2         |          | 22.0     | 0.77    | 0.7          | 0.7         | 1        | 0.7           | 1  | 5 Filase |                 |     |
|                  |   | Comme     | ent           | -         |          |          |         |              |             |          |               |    |          |                 |     |

## Arc Flash Study Results

With the arc flash study reports you have the option to view the results by worse case or list out the calculated results for each operating scenario individually for each location. Below is an example of worse case based on combined scenarios.

Job Number: 1409035 Title: Yuba County Water Agency, Bullards Bar

# Maximum Arc Flash Energy AC (US) – All

| Bus Name   | Scenario | Protective<br>Device<br>Name | Bus<br>Volt<br>(v) | Bus<br>Bolted<br>Fault<br>(kA) | Prot<br>Dev<br>Bolted<br>Fault<br>(kA) | Prot<br>Dev<br>Arcing<br>Fault<br>(kA) | Trip/<br>Delay<br>Time<br>(sec) | Breaker<br>Opening<br>Time<br>(sec) | Ground | Ţ   | Gap (mm) | Arc<br>Flash<br>Bndry<br>(in) | Work<br>Dist<br>(in) | Incident<br>Energy<br>(cal/cm2) | Notes              |
|--|----------|------------------------------|--------------------|--------------------------------|--|--|---------------------------------|-------------------------------------|--------|-----|----------|-------------------------------|----------------------|---------------------------------|--------------------|
| 30HP-BUS (30 HP BUS)   | 3        | TO 30HP-BUS                  | 480                | 1.24                           | 1.13                                   | 1.01                                   | 2.00                            | 0.000                               | Υ      | PNL | 25       | 45                            | 18                   | 5.40                            | (*N9)              |
| 5.5HP-BUS (5.5 HP BUS)   | 3        | TO 5.5HP-BUS                 | 480                | 1.20                           | 1.18                                   | 0.90                                   | 0.28                            | 0.000                               | Υ      | PNL | 25       | 12                            | 18                   | 0.63                            | (*N3)              |
| AC-UNIT (AC UNIT)  | 3        | TO AC-UNIT                   | 208                | 1.97                           | 1.97                                   | 1.18                                   | 2.00                            | 0.000                               | Υ      | PNL | 25       | 18                            | 18                   | 1.20                            | (*N3) (*N9) (*N15) |
| ATS (ATS)  | 2        | TO ATS                       | 208                | 2.46                           | 2.46                                   | 1.38                                   | 0.14                            | 0.000                               | Υ      | PNL | 25       | 11                            | 18                   | 0.56                            | (*N3) (*N15)       |
| BFV-VALVE (BFV VALVE)  | 3        | TO BFV-VALVE                 | 480                | 1.89                           | 1.84                                   | 1.30                                   | 0.26                            | 0.000                               | Υ      | PNL | 25       | 15                            | 18                   | 0.90                            | (*N3)              |
| BYPASS-VLV1 (BYPASS VALVE 1)                                   | 1        | TO BYPASS-VLV1               | 208                | 1.50                           | 1.50                                   | 1.15                                   | 0.02                            | 0.000                               | Υ      | PNL | 25       | 3                             | 18                   | 0.06                            | (*N15)             |
| BYPASS-VLV2 (BYPASS VALVE 2)                                   | 3        | TO BYPASS-VLV2               | 208                | 0.99                           | 0.99                                   | 0.73                                   | 0.13                            | 0.000                               | Υ      | PNL | 25       | 7                             | 18                   | 0.26                            | (*N3) (*N15)       |
| DISC-45KV (DISC 45 KVA XFMR)                                   | 1        | TO TAP-1                     | 480                | 0.55                           | 0.52                                   | 0.52                                   | 2.00                            | 0.000                               | Υ      | PNL | 25       | 18                            | 18                   | 1.23                            | (*N5) (*N9) (*N11) |
| DISC-45KV (DISC 45 KVA XFMR)<br>(DISC-45KV FUSE LineSide)      | 1        | TO TAP-1                     | 480                | 0.55                           | 0.52                                   | 0.52                                   | 2.00                            | 0.000                               | Y      | PNL | 25       | 18                            | 18                   | 1.23                            | (*N9) (*N11)       |
| DISC-FS-2 (DISC FS-2)  | 1        | MaxTripTime @2.0s            | 12,470             | 12.17                          | 12.11                                  | 11.71                                  | 2.00                            | 0.000                               | Υ      | SWG | 153      | 1011                          | 36                   | 30.67                           | (*N2) (*N9)        |
| DISC-FS-2 (DISC FS-2) (FS-2 FUSE<br>LineSide)                  | 3        | SW-AIR-53 FUSE               | 12,470             | 0.07                           | 0.07                                   | 0.07                                   | 2.00                            | 0.000                               | Ν      | SWG | 153      | 31                            | 36                   | 0.91                            | (*N9) (*N11)       |
| DISC-H20INFL (DISC H20 INF PMP)                                | 1        | TO DISC-H20INFL              | 480                | 3.42                           | 3.40                                   | 2.61                                   | 0.02                            | 0.000                               | Υ      | PNL | 25       | 5                             | 18                   | 0.14                            |                    |
| DISC-MCC-LFT (DISC MCC LEFT)                                   | 1        | DISC-MCC-LEFT                | 208                | 0.88                           | 0.79                                   | 0.71                                   | 2.00                            | 0.000                               | Υ      | PNL | 25       | 18                            | 18                   | 1.20                            | (*N9) (*N15)       |
| DISC-MCC-LFT (DISC MCC LEFT)<br>(DISC-MCC-LEFT LineSide)       | 1        | FS-4A FUSE                   | 208                | 0.88                           | 0.79                                   | 0.71                                   | 2.00                            | 0.000                               | Y      | PNL | 25       | 18                            | 18                   | 1.20                            | (*N5) (*N9) (*N15) |
| ECB-MAIN (ECB MAIN)  | 3        | XFMR-25KV FUSE               | 208                | 1.30                           | 1.30                                   | 1.04                                   | 0.95                            | 0.000                               | Υ      | PNL | 25       | 18                            | 18                   | 1.20                            | (*N15)             |
| GEN-FISHHYD (GEN FISH HYD BUS)                                 | 1        | MaxTripTime @2.0s            | 480                | 8.08                           | 1.97                                   | 1.63                                   | 2.00                            | 0.000                               | Υ      | PNL | 25       | 64                            | 18                   | 9.57                            | (*N2) (*N9)        |
| GEN-FISHHYD (GEN FISH HYD BUS)<br>(GEN-FISHHYD MAIN Line Side) | 1        | GEN-FISHHYD MAIN             | 480                | 8.08                           | 1.97                                   | 1.33                                   | 2.00                            | 0.000                               | Y      | PNL | 25       | 65                            | 18                   | 9.72                            | (*N9)              |

#### **Arc Flash Labels**

Since all of your results are already entered into the PSDB program, printing additional labels will be simple for you. Here is an example of the labels you will have the capability to print as needed for your facility.

|                      | WARNING   |
|----------------------|---|
| A                    | rc Flash and Shock Hazard   |
| 0 Ft 5 In            | Flash Hazard Boundary   |
| 0.1                  | cal/cm <sup>2</sup> Flash Hazard at 1 Ft 6 In                                 |
|                      | Arc Rated Clothing Required (See NFPA 70E-<br>2015 H.3(b) for additional PPE) |
| 208 VAC              | Shock Hazard when cover is removed  |
| 00                   | Glove Class   |
| 3 Ft 6 In            | Limited Approach (Fixed Circuit)  |
| Avoid Contact        | Restricted Approach   |
| 05/12/2015           | IEEE 1584-2002/2004a/2011b & NFPA 70E-2015                                    |
| Equipment ID (Name): | PNL-A (PANEL A)   |
| Protective Device:   | FDR TO PNL A  |

Scenario 1 - MAXIMUM FAULT CURRENT Study Performed By Power Studies, Inc. (253) 639-8535

#### **Protective Device Settings**

Our setting sheets will clearly list the manufacturer, type, circuit amps and settings of the devices within a substation, switchboard, panelboard or any other equipment that contains protective devices. Also shown on the setting sheets are the time current curve numbers and the device reference. Any time current curve that has the device plotted will be listed. This enables you to quickly locate protective devices and determine which time current curve that they appear on. The setting sheets can be easily printed and given to test technicians and electricians to use for testing and maintenance of the equipment.

Job Number: 0909012 Title: Ft. Lewis Building 12430, Ft. Lewis, WA

|   |  |                   | Equipment Grou<br>BUILDING 124  | S                  |                        |                   |                         | Va                  | ult Nu<br>#1                                  |  | r                     |                            | Bu                          |                            | g Nur<br>430                | nber                      | C                                       | olum                                     | in                           | FI                          | oor                          |                            |                  |
|---|--|-------------------|---|--------------------|------------------------|-------------------|-------------------------|---------------------|---|--|-----------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|---------------------------|---|--|------------------------------|-----------------------------|------------------------------|----------------------------|------------------|
| Equipment Na  | um e:                                    | Sw                | itchboard   |                    |                        |                   |                         |                     |   |  |                       |                            |                             |                            |                             |                           |   |  |                              |                             |                              |                            |                  |
| Node ID   | Node Nar                                 | ne                | Manufactur  | er Ty              | pe                     |                   | Assumed Data            | Comments            |   |  |                       |                            |                             |                            |                             |                           |   |  |                              |                             |                              |                            |                  |
| SBK 1-SB3   | SBK1 SB:                                 | 3                 | CHALENG   |                    |                        |                   |                         |                     |   |  |                       |                            |                             |                            |                             |                           |   |  |                              |                             |                              |                            |                  |
| Voltage Main Am   | p Sect An                                | np N              | trl Amp Interrupting Rati   | ng With            | istand F               | Rating            | LV DeviceType           | Serial or Shop      | #   | M                                      | ear Inst              | alled                      |                             |                            |                             |                           |   |  |                              |                             |                              |                            |                  |
| 208 400   | 400                                      | 4                 |   | 65.0               |                        |                   |                         | 123456789           |   | 2                                      | 010                   |                            |                             |                            |                             |                           |   |  |                              |                             |                              |                            |                  |
|   |  | ICuit             | Breaker Data  |                    |                        |                   |                         |                     | 1   |  | -                     |                            |                             |                            |                             |                           |   |  |                              |                             |                              |                            | -                |
| Circuit Description   | Posi                                     | Man<br>or<br>Elec | Mfg., Type  | Frame<br>Amps      | Int<br>Amps            | Circt<br>Amps     | Abbrev<br>Trip T        | Vpe                 | Rating  | Plug                                   | Current<br>Setting    | 10000                      | Time<br>Del <i>a</i> y      | Short<br>Time<br>Pkup      | Time<br>Delay               | Time<br>I2T               | Inst<br>tanan<br>eous<br>Pkup           | Inst<br>tanan<br>eous<br>Delay           | Grnd<br>Fault<br>Sensr       | Grnd<br>Fault<br>Pkup       | Fault<br>Del <i>a</i> y      | 12T                        | s<br>D           |
| Circuit Description<br>DISHWASHER<br>BOOSTER HEATER   | Posi-<br>tion                            | Man<br>or<br>Elec | Mfg., Type<br>CHALENGE CED  |                    |                        | Amps              |                         | Vpe                 | Tripor<br>Curr<br>Sens                        | Tap or<br>Rating<br>Plug               |                       | Time<br>Pkup               | Time<br>Del <i>a</i> y      | Time<br>Pkup               | Time<br>Delay               | Time<br>I2T               | tanan<br>eous                           | tanan<br>eous<br>Delay                   | Fault                        | Fault<br>Pkup               | Fault<br>Del <i>a</i> y      | Fault                      | ۸<br>۱<br>۱<br>۱ |
| Circuit Description<br>DISHWASHER<br>BOOSTER HEATER<br>Other: CHALLENGEF                                  | Posi-<br>tion                            | Man<br>or<br>Elec | Mfg., Type<br>CHALENGE CED<br>D   | Amps<br>225        | Amps<br>65000          | Amps<br>175       | Trip T<br>THERMAL MAGNE | TIC                 | Trip or<br>Curr<br>Sens<br>Rating<br>175      | Tap or<br>Rating<br>Plug<br>N/A        | Setting<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>I2T<br>N/A        | tanan<br>eous<br>Pkup<br>FIXED          | tanan<br>eous<br>Delay<br>FIXED          | Fault<br>Sensr<br>N/A        | Fault<br>Pkup<br>N/A        | Fault<br>Delay<br>N/A        | Fault<br>I2T<br>N/A        | 51<br>0<br>[     |
| Circuit Description<br>DISHWASHER<br>BOOSTER HEATER<br>Dther: CHALLENGEF                                  | Posi-<br>tion                            | Man<br>or<br>Elec | Mfg., Type<br>CHALENGE CED  | Amps               | Amps<br>65000          | Amps<br>175       | Trip T                  | TIC                 | Trip or<br>Curr<br>Sens<br>Rating             | Tap or<br>Rating<br>Plug<br>N/A        | Setting<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>I2T<br>N/A        | tanan<br>eous<br>Pkup                   | tanan<br>eous<br>Delay<br>FIXED          | Fault<br>Sensr               | Fault<br>Pkup<br>N/A        | Fault<br>Del <i>a</i> y      | Fault<br>I2T               | S                |
| Circuit Description<br>DISHWASHER<br>DOOSTER HEATER<br>Dther: CHALLENGER<br>PANEL EP                      | Posi-<br>tion                            | Man<br>or<br>Elec | Mfg., Type<br>CHALENGE CED<br>D<br>CHALENGE T/M CF                        | Amps<br>225        | Amps<br>65000          | Amps<br>175       | Trip T<br>THERMAL MAGNE | TIC                 | Trip or<br>Curr<br>Sens<br>Rating<br>175      | Tap or<br>Rating<br>Plug<br>N/A        | Setting<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>Pkup<br>N/A        | Time<br>Delay<br>N/A        | Time<br>I2T<br>N/A        | tanan<br>eous<br>Pkup<br>FIXED          | tanan<br>eous<br>Delay<br>FIXED          | Fault<br>Sensr<br>N/A        | Fault<br>Pkup<br>N/A        | Fault<br>Delay<br>N/A        | Fault<br>I2T<br>N/A        | S                |
| Circuit Description<br>DISHWASHER<br>DOOSTER HEATER<br>Dther: CHALLENGEF<br>PANEL EP<br>Dther: CHALLENGEF | Posi-<br>tion                            | Man<br>or<br>Elec | Mfg., Type<br>CHALENGE CED<br>D<br>CHALENGE T/M CF                        | Amps<br>225        | Amps<br>65000          | Amps<br>175<br>60 | Trip T<br>THERMAL MAGNE | ype<br>ETIC<br>ETIC | Trip or<br>Curr<br>Sens<br>Rating<br>175      | Tap or<br>Rating<br>Plug<br>N/A<br>N/A | Setting<br>N/A<br>N/A | Time<br>Pkup<br>N/A<br>N/A | Time<br>Delay<br>N/A<br>N/A | Time<br>Pkup<br>N/A<br>N/A | Time<br>Delay<br>N/A<br>N/A | Time<br>I2T<br>N/A<br>N/A | tanan<br>eous<br>Pkup<br>FIXED          | tanan<br>eous<br>Delay<br>FIXED<br>FIXED | Fault<br>Sensr<br>N/A        | Fault<br>Pkup<br>N/A<br>N/A | Fault<br>Delay<br>N/A<br>N/A | Fault<br>I2T<br>N/A        | S                |
| Circuit D escription<br>DISHWASHER<br>BOOSTER HEATER  | Posi-<br>tion<br>R CED3175<br>R CF3060 1 | Man<br>or<br>Elec | Mfg., Type<br>Chalenge Ced<br>D<br>Chalenge T/M CF<br>Ked<br>Chalenge Ced | Amps<br>225<br>150 | Amps<br>65000<br>65000 | Amps<br>175<br>60 | Trip T<br>THERMAL MAGNE | ype<br>ETIC<br>ETIC | Tripor<br>Curr<br>Sens<br>Rating<br>175<br>60 | Tap or<br>Rating<br>Plug<br>N/A<br>N/A | Setting<br>N/A<br>N/A | Time<br>Pkup<br>N/A<br>N/A | Time<br>Delay<br>N/A<br>N/A | Time<br>Pkup<br>N/A<br>N/A | Time<br>Delay<br>N/A<br>N/A | Time<br>I2T<br>N/A<br>N/A | tanan<br>eous<br>Pkup<br>FIXED<br>FIXED | tanan<br>eous<br>Delay<br>FIXED<br>FIXED | Fault<br>Sensr<br>N/A<br>N/A | Fault<br>Pkup<br>N/A<br>N/A | Fault<br>Delay<br>N/A<br>N/A | Fault<br>I2T<br>N/A<br>N/A | s<br>D           |

Device#: 6 TCC#(s): 1, 2 Other: CHALLENGER CKT33W INST-100%

## Equipment Nameplate Data

## **Generator Data**

| 🗃 Equipment Group Entry/Edit   |
|--|
| Equipment Group Name     BUILDING 12430     Vault     Bldg     12430       Col     Floor     Comment     Comment     Go To   |
| Centerchor         Manual Transfer Switch         Other         Panelboard         Switch-Pad Mount or Main Switch         Transformer         Utility         Over F 3: Ground Type         Generator KW         Amound Transformer         Utility         Devicett: 7 TCCH(s): 2         Low Votage Circuit Dreakers         Relays         File         Circuit Description         TCCs         Pos:         Manual Transformer         Utility         Devicett: 7 TCCH(s): 2         Low Votage Circuit Breakers         Med High Vott Switches         Conductors         Circuit Description         TCCs       Pos:         Man or Ele       Mig. Type. Volt., Inst., Frame Amps         Interrupt Amps         GEN SET         BREAKER         Wath State         Change Equipment Type         Field Notes       Copy Node |
| Add Equipment     Remove Equipment     Print Data Sheet     Create New Group     Copy To New Group     Delete Group       Record:     I     I     I     I     I     I     I     I  |

# **Utility Source Information**

| 🗃 Equipment Group Entry/Edit   |
|--|
| Equipment Group Name       BUILDING 12430       Vault       #1       Bldg       12430         Col       Floor       Comment       UTILITY SERVICE       Image: Comment Comme |
| Generator       Manual Transfer Switch         Motor       Node ID       Node Name       Votage       Connected To       Assumed Data         Panelboard       SwitchPad Mount or Main Switch       NF2       INF2       Tasso       Incoments         SwitchPad Mount or Main Switch       SCAMP,       2933       2538       2057       Incoments         V/Rity       243000       X//Rity       243000       Connection       Connection         V/Rity       243000       Connection       Branch       Location       Connection         V/Rity       243000       Connection       Branch       Location       Connection         From Node       Connection       To Node       Connection       Branch       Location       Code         NINV-12E       Incoming       Outgoing       All       Connection       Branch       Location       Code       Name       Description         Incoming       Outgoing       All       Incoming       Connection       Branch       Location       V  |
| Add Equipment     Remove Equipment       Record:     I   |

## **Transformer Data**

| 🕫 Equipment Group Entry/Edit  |   |  | ×  |
|---|---|--|--|
| Equipment Group Name         BUILDING 12430           Col         Floor         Comment |   | Bldg 12430   | Go To<br>© Equip Group © Node © Transformer  |
| GE UI<br>*  | Temp Rise       Pri. Voltage       Connection         I 13800       Delta | 208 Y Solidly Grour      208 Y Solidly Grour      208     FEED-THRU     Secondary Relays Fuses Conducto     Int. Amps Moment Amps Max Fuse A | KVA (Air)       KVA (Fans)       KVA (Pumps)         Image: State of the |
| Add Equipment Remove Equipment  | Print Data She  | Create New Group   | Copy To New Group Delete Group   |

# Switchboard Data

| 🕫 Equipment Group Entry/Edit  |  |
|---|--|
| Equipment Group Name     BUILD       Col     Floor  | Vault Bldg 12430  Comment Go To  Com |
| Generator<br>Manual Transfer Switch<br>Other<br>Panelboard<br><mark>Switchboard</mark><br>Switch-Pad Mount or Main Switch<br>Transformer<br>Utility | Node ID       Node Name       Manufacturer       Type       Voltage       Main Amp       Sect Amp       Ntrl Amp       Interrupting Rating         SBK1-SB1       SBK1 SB1       CHALENGE       208       1600       Image: Chalenge Chale   |
|   | Low Voltage Circuit Breakers       Relays       Fuses       Conductors         Circuit Description       TCCs       Pos.       Man or Ele       Mfg., Type, Volt., Inst., Frame Amps       Interrupt Amps         GEN BREAKER       Device#: 8 TCC#(s): 2       Cut/Ham SPB-100M 240 Yes       100000         SBK BREAKER       Device#: 4 TCC#(s): 1       Cut/Ham SPB-100M 240 Yes       100000  |
|   | *     ·       •     •       •  |
| Add Equipment Remove Equi   |  |

#### **Motor Data**

| 🕫 Equipment Group Entry/Edit  | i.                                       |                           |  | ×  |
|---|--|---------------------------|--|--|
| Equipment Group Name     BUILD       Col     Floor  | Comment                                  | Vault                     | Bidg 12430 Go T  | o<br>uip Group C Node C Transformer  |
| Generator<br>Manual Transfer Switch<br>Motor<br>Other<br>Panelboard<br>Switchboard<br>Switch-Pad Mount or Main Switch<br>Transformer<br>Utility |  |                           | MTR-PUMP1 _ [30.00<br>Start Curr Run Curr Serial or Shop | Rated V Mot Code<br>480.0 SI-1 -<br>H Year Installed<br>Motor Starter Conductors |
|   | Node ID Node Name MTR-PUMP1 PUMP-1 HP  * | HP Rated V<br>30.00 480.0 | Motor Code Motor Amp Po<br>SI-1 36.08                    | wer Factor R Value NEP<br>85 E   |
|   | Record: I                                |                           | Lipment Type Field Note:                                 | S Copy Node  |
| Add Equipment Remove Equipment  | ipment<br>▶I ▶★ of 1                     | Print Data Sheet          | Create New Group Copy To                                 | New Group Delete Group   |

These were just a few examples of the reports and options that will become available to you. If you would like to see a detailed demonstration of the program, please feel free to contact us at 253-639-8535 or <u>fuhr@powerstudies.com</u>.