

# Implementing a Cloud-Based Utility Billing System

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AVP – UTILITIES, ENERGY AND FACILITIES MANAGEMENT

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# Agenda

- **Background of Billing Issues**
- **Center for Global Innovation and Entrepreneurship Program**
- **Approach Taken by Delaware Software**
- **End Result**

# Background of Billing Issues

- Need to recover costs for a \$60 million enterprise
  - 900 meters to allocate costs for electricity, steam, hot water, chilled water and domestic water
    - Auxiliary Enterprise billing
    - Actual Energy Costs for State Funded Buildings
      - Indirect Cost Recovery for research facilities

# Background of Billing Issues

- Administrative support limited
- Other Utility Bills must be validated
  - Electricity, Stand By Power, Natural Gas, Domestic Water, Sewer (over 200 bills)
  - All manually processed
    - Excel and antiquated billing system
  - Mandated by the State to Validate by 3<sup>rd</sup> Party
    - Cost was \$100,00 per year

# Global Commercialization Group

Facilitates the growth and development of innovative technology-based businesses in a variety of regions worldwide.

GCG programs simultaneously provide commercialization know-how to local partner organizations while proactively moving science and innovation from the region into international markets.

This dual approach to economic development results in sustainable wealth-creating systems with measurable results in international business.

# Implementation Approach

- Assessment of UT Billing Process
  - Benefits and Limitations
  - Risks
- Potential Technical Solutions
- Impact on Operations
- Organizational Capability to Deliver

# Current Billing Statistics

| Entity Description            | Amount              |
|-------------------------------|---------------------|
| Buildings                     | 637                 |
| Clients                       | 78                  |
| Cost Distributions            | 341                 |
| Clients' (Type of Payment)    | Direct, Letter, IDT |
|                               |                     |
| Utilities (Service Providers) | 5                   |
| Commodities                   | 11                  |
| Rate Plans                    | 48                  |

# Current Billing Statistics

| Description                | Amount        |
|----------------------------|---------------|
| Internal Meters            | 775+          |
| Calculated Meters (WW/Gas) | 212           |
| Virtual Meters             | 5             |
|                            |               |
| External Meters            | 389           |
| Total Meters               | <b>1,381+</b> |



# Implementation Roadmap

- Baseline implementation
- Streamlining processes
- Vouchers Entry
- Vouchers Adjustments Entry
- Internal Meters Import
- Special Reports (Alerts)

# Implementation Roadmap

## ■ Stage 1

Meters  
Cost Allocations  
Buildings  
Clients  
Billing Interface  
Reporting  
Invoicing

## ■ Stage 2

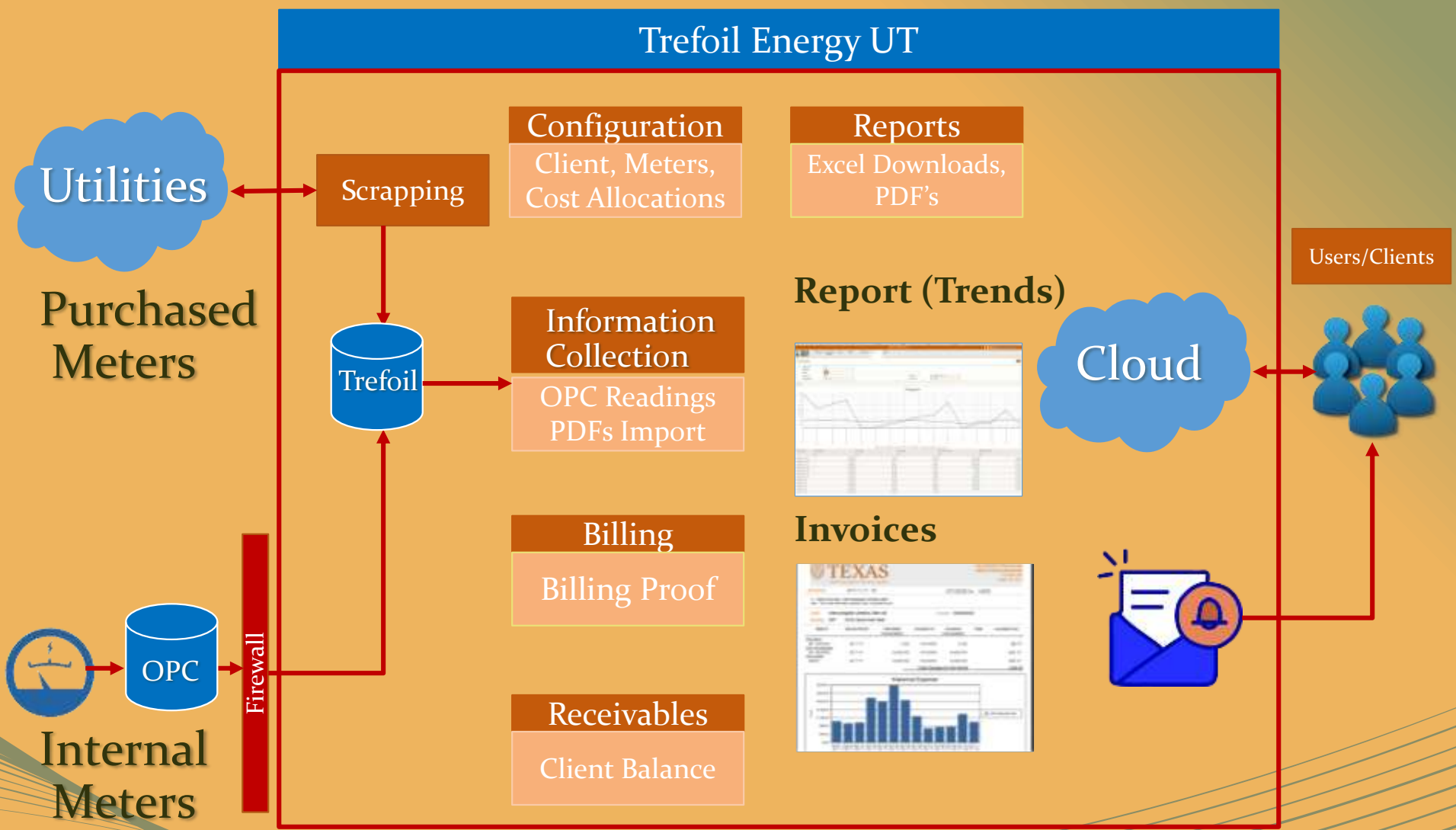
Audit functionality  
Vouchers adjustments  
WW & Gas calculation  
Maximum charges  
Extending reporting  
6 years of historic data  
Receivables

## ■ Stage 3

Gas Validation  
OPC interface  
Alerts  
Scrapping  
AI – PDFs import  
Client reports  
Special discounts  
UT ID sign-on



# Trefoil System Architecture



# Streamlining the Billing Process

| Description           | Before                     | Now                            |
|-----------------------|----------------------------|--------------------------------|
| Technology            | Client/Server              | Cloud-Base/Mobile              |
| Users                 | 4                          | 25+                            |
| Clients               | 69                         | 79+<br>(15% more)              |
| Semi/Manual Processes | 14                         | 5<br>64% Improvement           |
| Billing Tasks         | Activities of up to 3 days | Efficiency gained of up to 66% |
| Staff                 | 4                          | 2                              |

# Streamlining the Billing Process

- Vouchers Entry & Adjustments
- Special Invoices
- Special Reports (Alerts)
- Gas Bill Validation (Audit)
- Gas Consumption Calculation
- Fees (Maintenance and Service)
- Invoice Distribution
- Etc.

# AI - Expert System

- Import and processing of PDFs
- Scrapping of service provider website



# PDF Voucher Sample



Page 3 of 4

## Utility News

Bill Cycle 04

### Read Dates

Next meter read date will be on or about 10/30/2017.

Outstanding utility bill balance? Set up monthly payment arrangements to keep your account in good standing. Call 512-494-9400 and a Customer Service Representative will assist you.

### Contact Information

View or Pay online: [www.coautilities.com](http://www.coautilities.com)

Customer Service: 512-494-9400  
or call toll free at 1-888-340-6465  
TDD: 512-477-3663  
Se Habla Español

To report an electrical **OUTAGE** call 512-322-9100 or visit [outagemap.austinenergy.com](http://outagemap.austinenergy.com). Please have your account number available.

## Summary of Service

UNIVERSITY OF TEXAS

Service Address: 2420 SAN ANTONIO ST

**Account Number: 42890 00000**

Invoice Number: 428908775902

Bill Print Date

Oct 6, 2017

Due Date

Oct 23, 2017

### Previous Activity/Charges

Total Amount Due at Last Bill

\$5,106.52

Payment received

\$0.00

Previous Balance

\$5,106.52

**Please Note - Bill Due Date does not apply to Previous Balance Due.**  
This balance is DUE IMMEDIATELY.

### Current Activity/Charges

Electric Service

\$2,412.61

Water Service

\$36.44

Wastewater Service

+ \$20.73

Current Balance

\$2,469.78

If Payment is received after due date, a late fee will be assessed.

**Total Amount Due****\$7,576.30**

Continued On Next Page



THE CITY IS COMPLYING WITH THE AMERICANS WITH DISABILITIES ACT.

**Account: 42890 00000**

Make Checks payable to City of Austin.

View or Pay online:

[www.coautilities.com](http://www.coautilities.com)

Detach and include stub with your payment.

P.O. Box 2267 Austin, TX 78783-2267

**Total Amount Due:****\$7,576.30****Date Due:****10/23/17**

Penalty After Date Due:

\$0.00

Total Due After 10/23/2017:

\$7,576.30

CAP Contribution:

\$

Parks &amp; Libraries Fund:

\$

Public School Expense Acct:

\$





# PDF Voucher Sample

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## Service Details



### ELECTRIC SERVICE

2420 SAN ANTONIO ST

| Read Date  | 09/01/2017 | 10/01/2017 | Consumption     |
|--|------------|------------|-----------------|
| Total Consumption in EVKH                                    |            |            | 209.53          |
| EV Charging Station Credit - Secondary Voltage <10kW         |            |            |                 |
| Credit Energy Charge 210 kWh at \$-0.04802 per kWh           |            |            | -\$10.08        |
| Credit Community Benefit Charges                             |            |            | -\$0.96         |
| Credit Regulatory Charges 210 kWh at \$-0.01343 per kWh      |            |            | -\$2.82         |
| Credit Power Supply Adjustment 210 kWh at \$-0.02727 per kWh |            |            | -\$5.73         |
| Credit Summary of Current Charges                            |            |            | -\$19.59        |
| COA EV Charging Station - Commercial Sales Tax(Subrate)      |            |            |                 |
| Taxable Amount   |            |            | -\$19.59        |
| <b>TOTAL CURRENT CHARGES</b>                                 |            |            | <b>-\$19.59</b> |

Want to save money on your electric bill? Visit [austineenergy.com](http://austineenergy.com) for information on our rebate programs and energy saving tips.



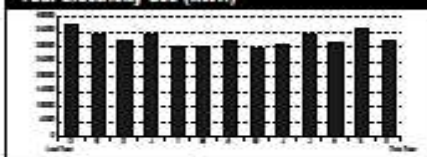


# PDF Voucher Sample



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## Your Electricity Use (KWH)



Days of service 29  
 kWh used 32000  
 Avg. kWh per day 1103.4  
 Avg. cost per day \$86.36  
 13 month avg. consumption: 32646.16



## ELECTRIC SERVICE

PowerLink Number: 07270506

2420 SAN ANTONIO ST

Meter # 2102819

| Read Date | 09/05/2017               | 10/04/2017 | Consumption |
|-----------|--------------------------|------------|-------------|
| Read      | 8669                     | 8749       | 80          |
|           | Reading Difference       |            | 80          |
|           | Meter Multiplier         |            | 400         |
|           | Total Consumption in KWH |            | 32000       |
|           | Demand Usage             |            | 72.00       |
|           | Power Factor             |            | 0.85        |

City of Austin Electric - Secondary Voltage &gt;10kW &lt;300kW

|   |                   |
|---|-------------------|
| Customer Charge   | \$27.50           |
| Electric Delivery 72.00 kW at \$4.50 per kW                     | \$324.00          |
| Demand Charge 72.00 kW at \$4.19 per kW                         | \$301.68          |
| Energy Charge 32,000 kWh at \$0.02421 per kWh                   | \$774.72          |
| Community Benefit Charges                                       | \$145.28          |
| Regulatory Charges 72.00 kW at \$3.75 per kW                    | \$270.00          |
| Power Supply Adjustment, Winter 32,000 kWh at \$0.02727 per kWh | \$872.64          |
| Power Factor Adjustment Below 90%                               | \$52.68           |
| State Discount  | \$292.94          |
| Total Current Charges   | \$2,475.56        |
| Commercial Sales Tax  |                   |
| Taxable Amount  | \$2,475.56        |
| <b>TOTAL CURRENT CHARGES</b>                                    | <b>\$2,475.56</b> |

Want to save money on your electric bill? Visit [austinenenergy.com](http://austinenenergy.com) for information on our rebate programs and energy saving tips.



## ELECTRIC SERVICE

2420 SAN ANTONIO ST

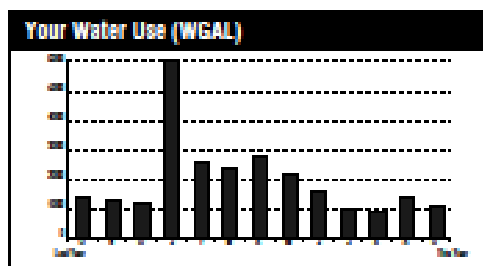
| Read Date  | 09/01/2017 | 10/01/2017 | Consumption                      |
|--|------------|------------|----------------------------------|
|  |            |            | Total Consumption in EVKH 464.69 |
| EV Charging Station Credit - Secondary Voltage <10kW         |            |            |                                  |
| Credit Energy Charge 465 kWh at \$-0.04802 per kWh           |            |            | -\$22.33                         |
| Credit Community Benefit Charges                             |            |            | -\$2.11                          |
| Credit Regulatory Charges 465 kWh at \$-0.01343 per kWh      |            |            | -\$6.24                          |
| Credit Power Supply Adjustment 465 kWh at \$-0.02727 per kWh |            |            | -\$12.68                         |
| Credit Summary of Current Charges                            |            |            | -\$43.36                         |
| COA EV Charging Station - Commercial Sales Tax(Subrate)      |            |            |                                  |
| Taxable Amount   |            |            | -\$43.36                         |
| <b>TOTAL CURRENT CHARGES</b>                                 |            |            | <b>-\$43.36</b>                  |

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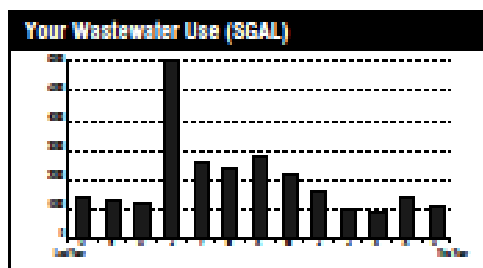
# PDF Voucher Sample

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Current  
Month

Days of service 29  
Gallons used 1100  
Avg. gallons per day 37.9  
Avg. cost per day \$1.26  
13 month avg. consumption: 1992.31



Current  
Month

Days of service 29  
Gallons used 1100  
Avg. gallons per day 37.9  
Avg. cost per day \$0.71



## WATER SERVICE

2420 SAN ANTONIO ST

Meter # 204640W

| Read Date | 09/05/2017                     | 10/04/2017 | Consumption |
|-----------|--------------------------------|------------|-------------|
| Read      | 2371                           | 2382       | 11          |
|           | Reading Difference in Hundreds |            | 11          |
|           | Total Consumption in Gallons   |            | 1100        |

City of Austin Water - Commercial

|  |         |
|--|---------|
| Customer Charge  | \$13.00 |
| Fixed Charge   | \$16.00 |
| 1,100 Gallons at \$6.57 per 1,000 - On Peak                | \$7.23  |
| 1,100 Gallons at \$0.19 per 1,000 - Reserve Fund Surcharge | \$0.21  |

**TOTAL CURRENT CHARGES** \$36.44



## WASTEWATER SERVICE

2420 SAN ANTONIO ST

City of Austin WasteWater - Commercial

|                                   |         |
|-----------------------------------|---------|
| Customer Charge                   | \$10.30 |
| 1,100 Gallons at \$9.48 per 1,000 | \$10.43 |

**TOTAL CURRENT CHARGES** \$20.73

# Summary Benefits

- Quality improvement by reducing the number of error-prone activities
- 66% efficiency increased by reducing manual tasks

[Configuration](#)
[Information Collection](#)
[GLO Gas](#)
[Billing](#)
[Receivables](#)
[Views](#)
[Reports](#)

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[Export Meters History to Excel](#)

[Home](#)
[Help](#)
[Logout](#)
[User: falemam](#)
[Modify account](#)
[Log off](#)

Configuration > Meters > Meters

Filters

Search:

| Meter ID     | Abbrev. Bldg. | Service Provider - Commodity | Unit of Measurement | Vendor Account | Cost Allocation | Meter Type | Billing Type | Main Meter | Main Meter Address            | Second |
|--------------|---------------|------------------------------|---------------------|----------------|-----------------|------------|--------------|------------|-------------------------------|--------|
| 144323       | GARDEN        | COA-Water                    |                     |                |                 |            |              |            | 2108 Concho St.               |        |
| 10033390     | GARDEN        | COA-Water                    |                     |                |                 |            |              |            | 2112 Leona St.                |        |
| X6118394281  | GARDEN        | COA-Wastewater               |                     |                |                 |            |              |            | 2112 Leona St.                |        |
| Z6118394281  | GARDEN        | COA-Misc                     |                     |                |                 |            |              |            | 2112 Leona St.                |        |
| 0701_E1285   | HTB           | UT-Electricity               |                     |                |                 |            |              |            | 1601 Trinity St.              | HTB R  |
| 0201_X2101   | FCS           | UT-Wastewater - Industrial   |                     |                |                 |            |              |            |                               | East M |
| X2251200000  | LOOP          | COA-Wastewater               |                     |                |                 |            |              |            | 1730 N. IH 35 Service Rd. ... |        |
| 0701_E1291   | HTB           | UT-Electricity               |                     |                |                 |            |              |            | 1601 Trinity St.              | HTB R  |
| 0701_E1290   | HTB           | UT-Electricity               |                     |                |                 |            |              |            | 1601 Trinity St.              | HTB R  |
| 0217A32015-G | HTB           | GLO-Gas                      |                     |                |                 |            |              |            | 1601 Trinity St.              |        |
| 0217A32015   | HTB           | TGS-Gas Transportation       |                     |                |                 |            |              |            | 1601 Trinity St.              |        |
| 0216B04595-G | EER           | GLO-Gas                      |                     |                |                 |            |              |            | 2501 Speedway St.             | Lab    |
| 2104121      | CDA           | COA-Electricity              |                     |                |                 |            |              |            | 2205 Comal St.                |        |
| 10045108     | ECG           | COA-Water                    |                     |                |                 |            |              |            | 1200 E Martin Luther King Jr  |        |
| 4018912      | ADH           | COA-Electricity              |                     |                |                 |            |              |            | 2635 1/2 Guadalupe St.        |        |
| 0216B04595   | EER           | TGS-Gas Transportation       |                     |                |                 |            |              |            | 2501 Speedway St.             | Lab    |
| 0201_W2101   | FOUNT.        | UT-Water - Industrial        |                     |                |                 |            |              |            |                               | East M |

DELAWARE SOFTWARE

**TREFOIL ENERGY**

User:

Password:

Login

Page: 1 Show: 25 1-25 of 1506

Trefoil Energy

ops-delaware@web.austin.utexas.edu/trefoilEnergy/

Consumption History

User: faleman Modify account Log off

**TREFOIL ENERGY**

Configuration Information Collection CLO Gas Billing Receivables Views Reports

Configuration > Meters > Meters

Add Delete Edit Back

Meter ID: 8701\_81290  
 Address: 8701\_81290  
 Meter Type: Internal  
 Billing Type: Billed  
 Unit of Measurement: Kilo Watts Hour  
 Tag Name:

Main Meter Address: 1701 Trinity St  
 Secondary Address: HTB Electrical Room 9.204  
 Vendor Account:  
 PUP Number:  
 Effective Date: 2017-10-01 00:00:00  
 Timestamp: 2017-12-05 16:52:10

Campus: UT Main Campus  
 Building: HTB-Health Transformation Building  
 Area: Select  
 Cost Allocation: 100% Cell Medical School:HTB-IPU / AUX

Service Provider - Commodity: UT-Electricity  
 Main Meter: Select  
 Rate Plan Name: Select  
 Meter Size: Select  
 Loop: Select  
 Loop Relationship: Select

Number of Digits: 8  
 Reporting factor: 1  
 Factor: 1.0000

Comment: 9th Floor Meter

Consumption History

Search:

| Billing Period    | Service Period          | Effective Date | Imported Timestamp  | Consumption     | Unit of Measurement | Cost       | Cost Allocation    | Comment   |
|-------------------|-------------------------|----------------|---------------------|-----------------|---------------------|------------|--------------------|---|
| 2018-02 (17 - 18) | 01/01/2018 - 01/31/2018 | 01/01/2018     | 02/13/2018 10:10:40 | 16,834.000 kWh  |                     | \$1,161.55 | 100% HTB-IPU / AUX | ED Reading  |
| 2018-01 (17 - 18) | 12/01/2017 - 12/31/2017 | 12/01/2017     | 01/09/2018 15:19:47 | 17,473.000 kWh  |                     | \$1,205.64 | 100% HTB-IPU / AUX | Manual Read from ED                               |
| 2018-01 (17 - 18) | 09/01/2017 - 09/30/2017 | 09/02/2017     | 01/29/2018 11:47:06 | 12,193.000 kWh  |                     | \$841.32   | 100% HTB-IPU / AUX | Credit DMS HTB Building & Charge E&G, LH, and IPU |
| 2018-01 (17 - 18) | 09/01/2017 - 09/30/2017 | 09/01/2017     | 01/29/2018 11:46:02 | -12,193.000 kWh |                     | \$-841.32  | 100% DMS / AUX     | Credit DMS HTB Building & Charge E&G, LH, and IPU |
| 2018-01 (17 - 18) | 08/01/2017 - 08/31/2017 | 08/03/2017     | 01/29/2018 11:41:50 | 12,687.000 kWh  |                     | \$875.40   | 100% HTB-IPU / AUX | Credit DMS HTB Building & Charge E&G, LH, and IPU |
| 2018-01 (17 - 18) | 08/01/2017 - 08/31/2017 | 08/02/2017     | 01/29/2018 11:40:44 | -12,687.000 kWh |                     | \$-875.40  | 100% DMS / AUX     | Credit DMS HTB Building & Charge E&G, LH, and IPU |
| 2017-12 (17 - 18) | 11/01/2017 - 11/30/2017 | 11/01/2017     | 12/05/2017 08:57:35 | 14,578.000 kWh  |                     | \$1,095.88 | 100% HTB-IPU / AUX | Manual Read from ED                               |
| 2017-11 (17 - 18) | 10/01/2017 - 10/31/2017 | 10/01/2017     | 11/14/2017 14:24:20 | 13,122.000 kWh  |                     | \$905.42   | 100% HTB-IPU / AUX | Manual Read from ED                               |
| 2017-10 (17 - 18) | 09/01/2017 - 09/30/2017 | 09/01/2017     | 10/10/2017 16:50:44 | 12,193.000 kWh  |                     | \$841.32   | 100% DMS / AUX     | Manual Read from ED                               |
| 2017-10 (17 - 18) | 08/01/2017 - 08/31/2017 | 08/01/2017     | 10/24/2017 08:09:28 | 12,687.000 kWh  |                     | \$875.40   | 100% DMS / AUX     |   |

2:49 PM 1/2/2018



Configuration

Information Collection

GLO Gas

Billing

Receivables

Views

Reports

Information Collection > Purchased > Utility Service Entry

Add

Delete

Edit

Back

Billing Period

2018-02 (17 - 18)

Service Period

01/01/2018 - 01/31/2018

Effective Date

2018-01-01 09:00:00

Service Provider

City of Austin

Vendor Account

4289000000

Invoice Number

428906775888

Invoice Total

\$ 2,845.70

Electricity (Secondary Voltage >10kW <300kW) meter 2102819 in San Antonio Garage from City of Austin

|                            |                         |                                |             |
|----------------------------|-------------------------|--------------------------------|-------------|
| Consumption                | 38000.000               | Regulatory Charges             | \$ 888.80   |
| Customer Charge            | \$ 27.50                | Power Supply Adjustment @Water | \$ 1,115.88 |
| Electric Delivery @ \$4.50 | \$ 342.00               | Power Factor Adjustment        | \$ 0.00     |
| Demand Charge              | \$ 318.44               | Load Factor Adjustment         | \$ 0.00     |
| Energy Charge              | \$ 910.08 at \$0.024210 | State Discount                 | \$ 321.58   |
| Community Benefit Charges  | \$ 172.52               | Electricity total              | \$ 2,663.34 |

Water (Commercial - 5/8" - 3/4" - 1") meter 204540W in San Antonio Garage from City of Austin

|                                |                       |                        |          |
|--------------------------------|-----------------------|------------------------|----------|
| Consumption                    | 500.000               | Reserve Fund Surcharge | \$ 0.10  |
| Customer Charge                | \$ 13.00              | Backflow Prev Fee      | \$ 0.00  |
| Fixed Charge                   | \$ 16.00              | Private Hydrant Fee    | \$ 0.00  |
| Flow Charge                    | \$ 2.81 at \$0.005820 | Water total            | \$ 32.09 |
| Water Community Benefit Charge | \$ 0.00               |                        |          |

Wastewater (Inside Commercial-WW) meter X4289000000 in San Antonio Garage from City of Austin

|                            |                       |                              |                       |
|----------------------------|-----------------------|------------------------------|-----------------------|
| Consumption                | 500.000               | Industrial Waste Surcharge   | \$ 0.00 at \$0.000190 |
| Customer Charge            | \$ 10.30              | Monthly Discharge Permit fee | \$ 0.00               |
| Flow Charge                | \$ 4.67 at \$0.009480 | Discharge Permit             | \$ 0.00               |
| WW Customer Benefit Charge | \$ 0.00               | Wastewater total             | \$ 15.00              |

Miscellaneous (EV Charging Station Credit - Secondary voltage <10kW) meter 24289000000-EV1 in San Antonio Garage from City of Austin

|                                  |           |                                |           |
|----------------------------------|-----------|--------------------------------|-----------|
| Credit Energy Charge             | -\$ 15.80 | Credit Power Supply Adjustment | -\$ 8.60  |
| Credit Community Benefit Charges | -\$ 1.49  | Miscellaneous total            | -\$ 31.43 |
| Credit Regulatory Charges        | -\$ 4.48  |                                |           |

Miscellaneous (EV Charging Station Credit - Secondary Voltage <10kW) meter 24289000000-EV2 in San Antonio Garage from City of Austin

|                                  |           |                                |           |
|----------------------------------|-----------|--------------------------------|-----------|
| Credit Energy Charge             | -\$ 15.76 | Credit Power Supply Adjustment | -\$ 10.25 |
| Credit Community Benefit Charges | -\$ 1.59  | Miscellaneous total            | -\$ 33.35 |
| Credit Regulatory Charges        |           |                                |           |

Trefoil Energy

Most Visited Getting Started

TREFOIL ENERGY

Configuration Information Collection CLO Gas Billing **Receivables** Views Reports

User: falenman Modify account Log off

Receivables > Aging Report

Filters

Client Group Select Client Campus Cafe Associates, Ltd. Reporting Group Select Billing Period Select

Clear Apply

1 of 1

90%

TEXAS The University of Texas at Austin

The University of Texas at Austin  
Utilities and Energy Management  
P.O. Box 7400  
Austin, TX 78710

Aging Report  
As of March 2, 2018


Client Campus Cafe Associates, Ltd. Contact

| Billing Period                     | Due Date   | Invoice # | Current    | 1 - 30 | 31 - 60 | 61 - 90 | 91 and Over | Total      |
|------------------------------------|------------|-----------|------------|--------|---------|---------|-------------|------------|
| 2018-01 (17 - 18)                  | 03/06/2018 | 43199     | \$1,307.73 |        |         |         |             | \$1,307.73 |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43299     | \$1,217.14 |        |         |         |             | \$1,217.14 |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43216     | \$267.58   |        |         |         |             | \$267.58   |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43224     | \$396.48   |        |         |         |             | \$396.48   |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43252     | \$46.27    |        |         |         |             | \$46.27    |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43276     | \$77.37    |        |         |         |             | \$77.37    |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43296     | \$7.27     |        |         |         |             | \$7.27     |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43296     | \$17.95    |        |         |         |             | \$17.95    |
| 2018-01 (17 - 18)                  | 03/06/2018 | 43371     | \$166.96   |        |         |         |             | \$166.96   |
| Total Campus Cafe Associates, Ltd. |            |           | \$3,488.83 |        |         |         |             | \$3,488.83 |
| Total for this report              |            |           | \$3,488.83 |        |         |         |             | \$3,488.83 |

3:30 PM 3/2/2018

UTel Energy AT&T Mobility\_1392201

file:///C:/Users/jfa558/Downloads/AT&T\_Mobility\_139220180206104007\_Client\_7.pdf



# TEXAS

The University of Texas at Austin

The University of Texas at Austin  
Utilities and Energy Management  
P.O. Box 7459  
Austin, TX 78713

**Billing Period:** 2018-01 (17 - 18) **INVOICE No.** 43251

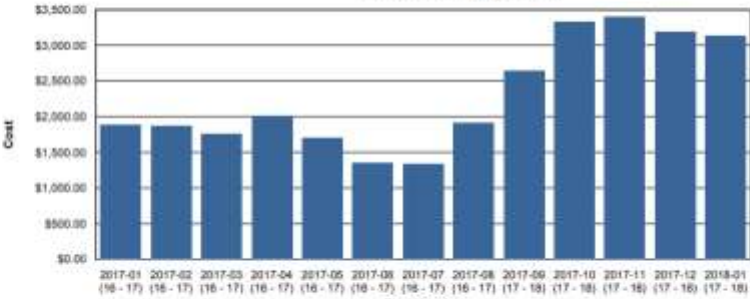
**To:** Accounts Payable, AT&T Mobility  
 Note: Please make check payable to The University of Texas at Austin.  
 Remit payment to: Juan M. Ontiveros, Associate Vice President of Utilities, Energy and Facilities Management, P. O. Box 7459, Austin, Texas 78713.

**Client:** AT&T Mobility **Account:** 0000000805

**Building:** SOF Telecom. Svc. Satellite Ops. Facility

| Meter #                             | Service Period | Total Meter Consumption | Allocation % | Allocation Consumption | Rate     | Allocated Cost  |
|-------------------------------------|----------------|-------------------------|--------------|------------------------|----------|-----------------|
| UT-Electricity                      |                |                         |              |                        |          |                 |
| 0638_E1186                          | 2017-12        | 10,357.000              | 100.0000%    | 10,357.000             | \$0.0690 | \$714.63        |
| 0638_E1187                          | 2017-12        | 31,926.500              | 100.0000%    | 31,926.500             | \$0.0690 | \$2,202.93      |
| 0638_E1188                          | 2017-12        | 3,149.500               | 100.0000%    | 3,149.500              | \$0.0690 | \$217.32        |
| <b>Total Charges for this Month</b> |                |                         |              |                        |          | <b>3,134.88</b> |

### Historical Expense



Cost

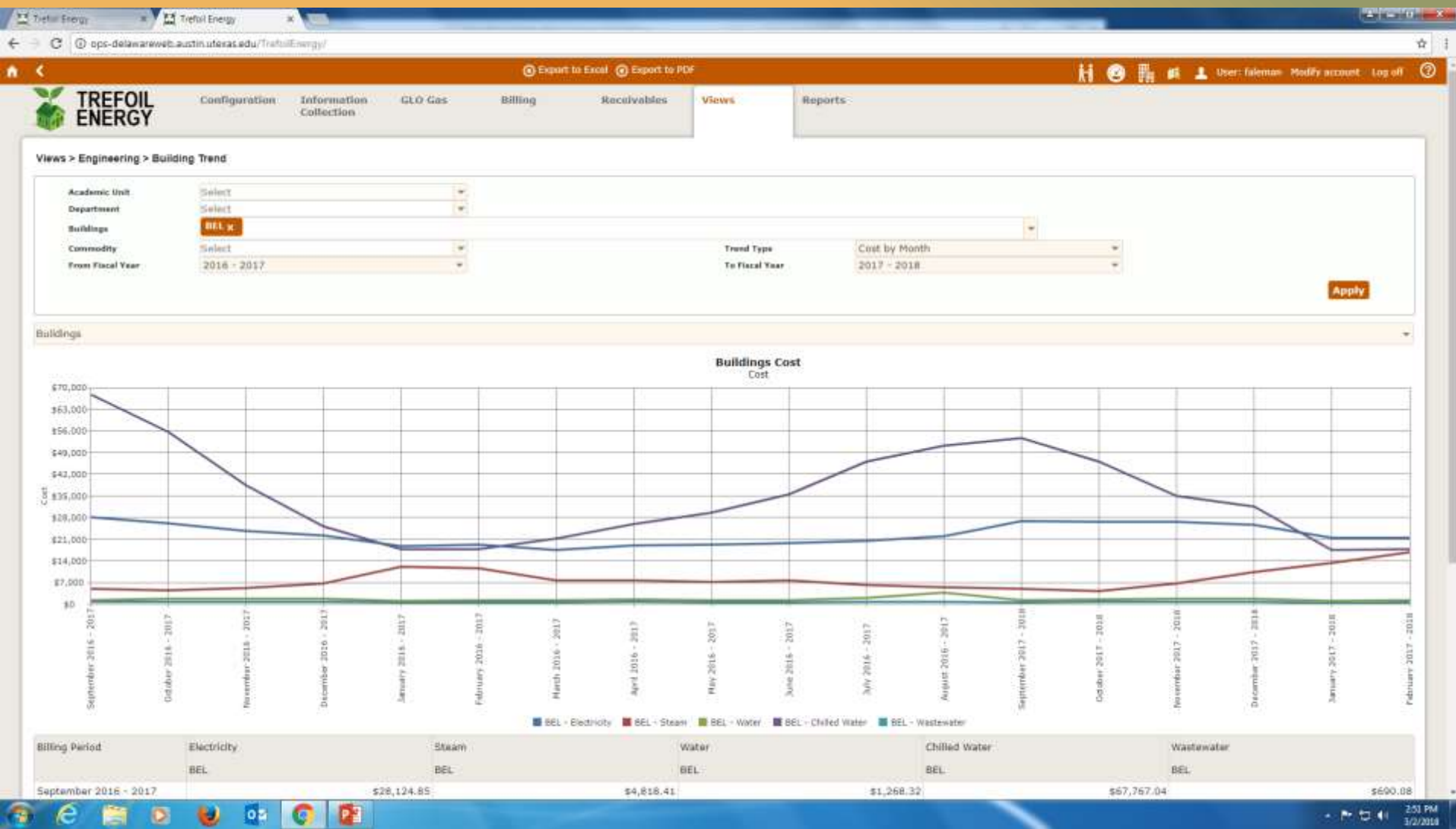
Billing Period

Telecomm. Svc. Satellite Ops. Facility

| Cost Summary   |                |                   |
|----------------|----------------|-------------------|
| UT-Electricity | 45,433.000 kWh | \$3,134.88        |
|                |                | <b>\$3,134.88</b> |

3:02 PM 1/2/2018







## **JUAN M. ONTIVEROS, P.E.**

AVP – UTILITIES, ENERGY AND FACILITIES MANAGEMENT

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