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Itron Inc.  
Conroe, TX

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> *Knowledge to Shape Your Future*





# Itron Overview

- > Publicly traded U.S. company
  - NASDAQ symbol ITRI
- > Headquarters in Spokane, WA
  - Metering – West Union, SC
  - Meter Data Collection, Waseca, MN
  - Software Solutions, Oakland, CA
- > Sales, Support and Field Services
  - Located around the world
- > Over 29 Years Experience in the Utility Industry
- > The Premier Supplier of Utility Meter Reading Information Systems in the World
  - **Over 55 million AMR modules shipped**
  - **2,000+ utilities in Over 45 countries using Itron Handheld Systems**
  - **1,000+ utilities using Itron Automatic Meter Reading (AMR) Systems**



“You can not Manage what you do not Measure.”

Itron provides a complete end-to-end solution and supplies the tools you need to put your data to work in reducing energy use.



**Electricity  
Metering**

**Mobile & Fixed  
Network Meter  
Data Collection**

**Interval Data  
Management,  
Monitoring &  
Analysis**

**Bill Processing,  
Verification and  
Analysis**

**Rate Modeling  
& Weather  
Services**

**Energy  
Forecasting**



# CENTRON<sup>®</sup> Meter

- Residential or commercial
- Revenue grade
- Socket-mounted
- Single phase or poly-phase
- Onboard storage
- TOU/Demand/Load Profile
- Multiple communication options.
- PON/PRN
- Tamper Detection





# SENTINEL<sup>®</sup> Meter

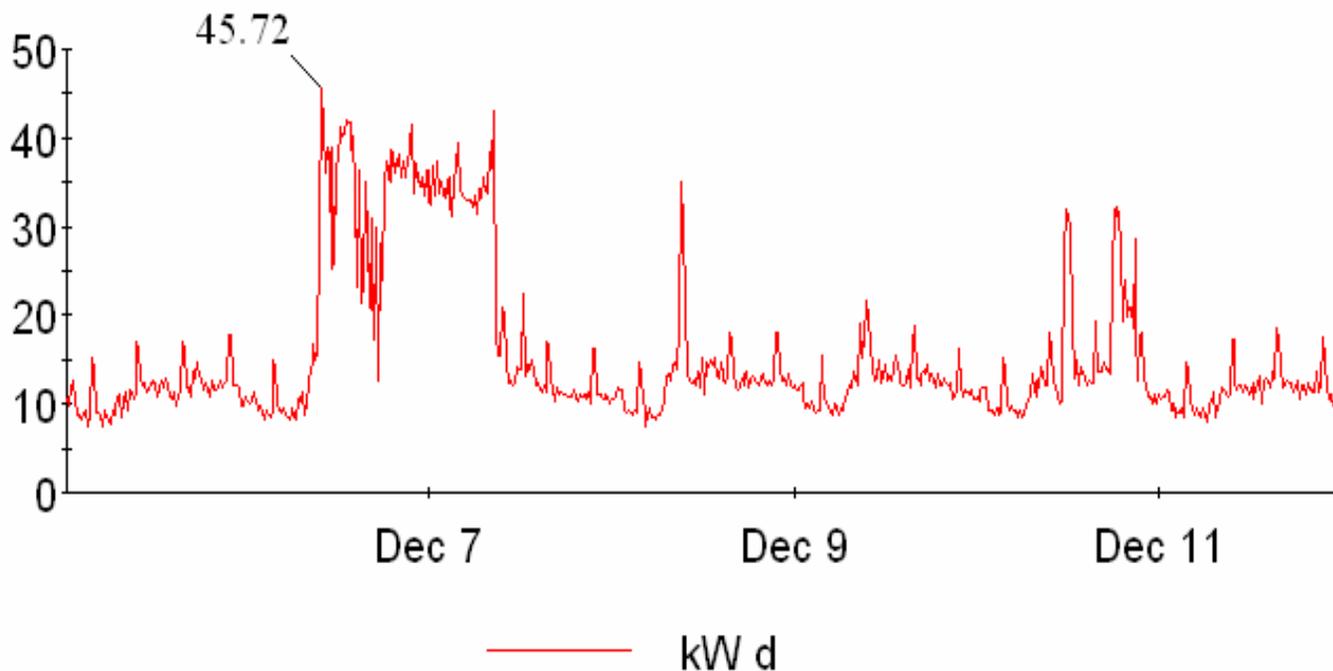
- Commercial / Industrial
- Revenue grade
- Socket or A-Base mount
- Data storage options
- Communicate
  - > Phone Modem
  - > Ethernet
  - > Serial (RS232/485)
  - > 900MHz RF
  - > Digital Wireless (GSM/GPRS, CDMA/1XRTT)
  - > KYZ Pulse Input/Output
  - > Optical port
- Power Quality / Harmonic Events
- Functionality enabled through Meter Keys





# PC-Pro+ Advanced Software

Unit ID: 36098187  
12/5/2004 - 12/12/2004



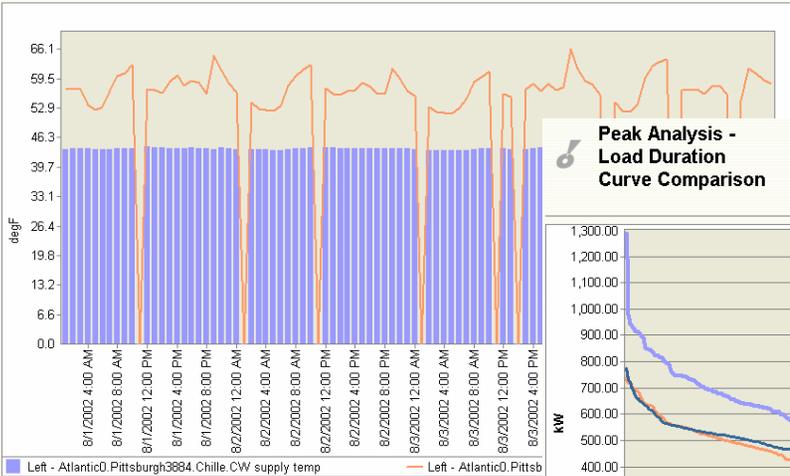


# EEM Suite Software

## Multi-Point Trend report

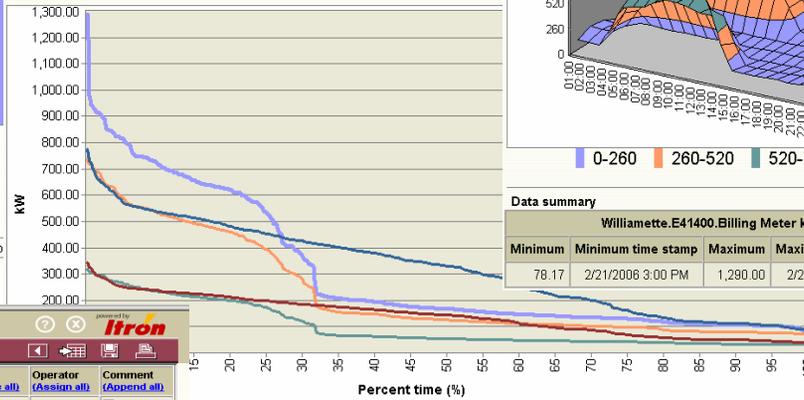
### Chilled Water - Supply & Return temps

Report date: 3/17/2006 10:46:58 AM  
 Report span: 8/1/2002 - 8/4/2002  
 Total days: 4



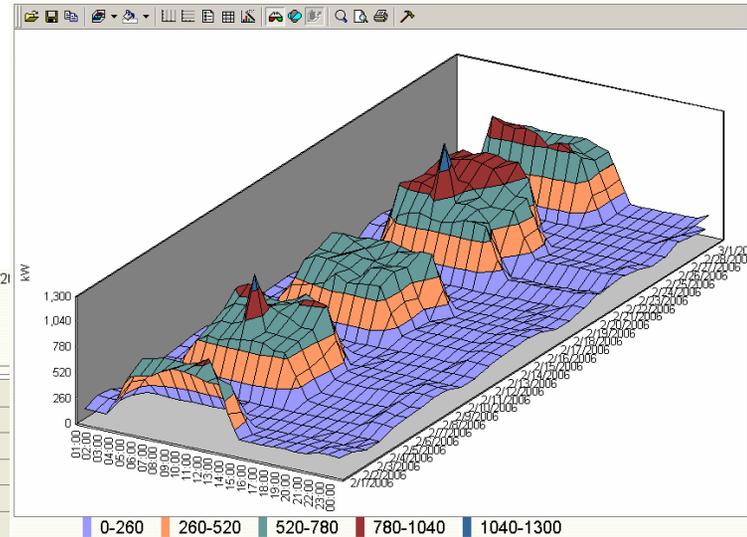
### Peak Analysis - Load Duration Curve Comparison

Report date: 3/17/21



## Peak Analysis - 3D Surface Chart

Report date: 3/17/2006 1:48:26 PM  
 Report span: 2/1/2006 - 2/28/2006  
 Total days: 28



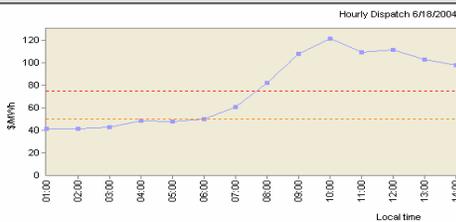
### Data summary

Williamette.E41400.Billing Meter kWh (Point ID: 150)

Minimum	Minimum time stamp	Maximum	Maximum time stamp	Average	Units
78.17	2/21/2006 3:00 PM	1,290.00	2/21/2006 9:00 AM	306.28	kWh

## Alarm Events report

Point name (click to trend)	Date & time (Local)	Severity	Priority	Value	Acknowledge (Acknowledge all)	Resolve (Resolve all)	Operator (Assign all)	Comment (Append all)
Hourly Dispatch	6/18/2004 8:00:00 AM	High-Alarm	Important	82.240 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/17/2004 8:00:00 PM	High-Alarm	Important	76.340 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/17/2004 12:00:00 PM	High-Alarm	Important	95.580 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/17/2004 7:00:00 AM	High-Alarm	Important	78.730 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/16/2004 11:00:00 AM	High-Alarm	Important	84.440 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/15/2004 9:00:00 AM	High-Alarm	Important	79.600 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/14/2004 8:00:00 AM	High-Alarm	Important	86.980 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/12/2004 7:00:00 AM	High-Alarm	Important	115.030 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		
Hourly Dispatch	6/12/2004 8:00:00 AM	High-Warning	Important	58.340 \$/MWh	<input type="checkbox"/>	<input type="checkbox"/>		



**Expected Usage Alert - Message (HTML)**

From: EEM Sub Alert Center [dang@itronenergy.com] Sent: Thu 5/15/2003 2:11 PM  
 To: Benson, Teo  
 Cc:  
 Subject: Expected Usage Alert

**Itron EEM Suite Expected Usage Alert**

Usage for 4/21/2003 - 4/27/2003 exceeded baseline by 29.99% for the following point(s). Alert threshold is 20% or more.

Company	Major Industries	Region	Alerted	Report Date
		Atlantic		3/17/2003 8:13:02 PM

Meter	Point ID	Point Name	Use (kWh)	Percentage
	4423	Freema Albany E4133 IntervalData	679.48	
	4434	Freema Albany E4133 BaselineUsage	522.68	
<b>Over Expected</b>			156.80	29.99%

## POWER SOURCES

## OPERATIONS

## ENVIRONMENTAL

Solar Array Power: 290 kW  
 Fuel Cell Power: 520 kW  
 Renewable Energy Per Month: 1,800,200 kWh

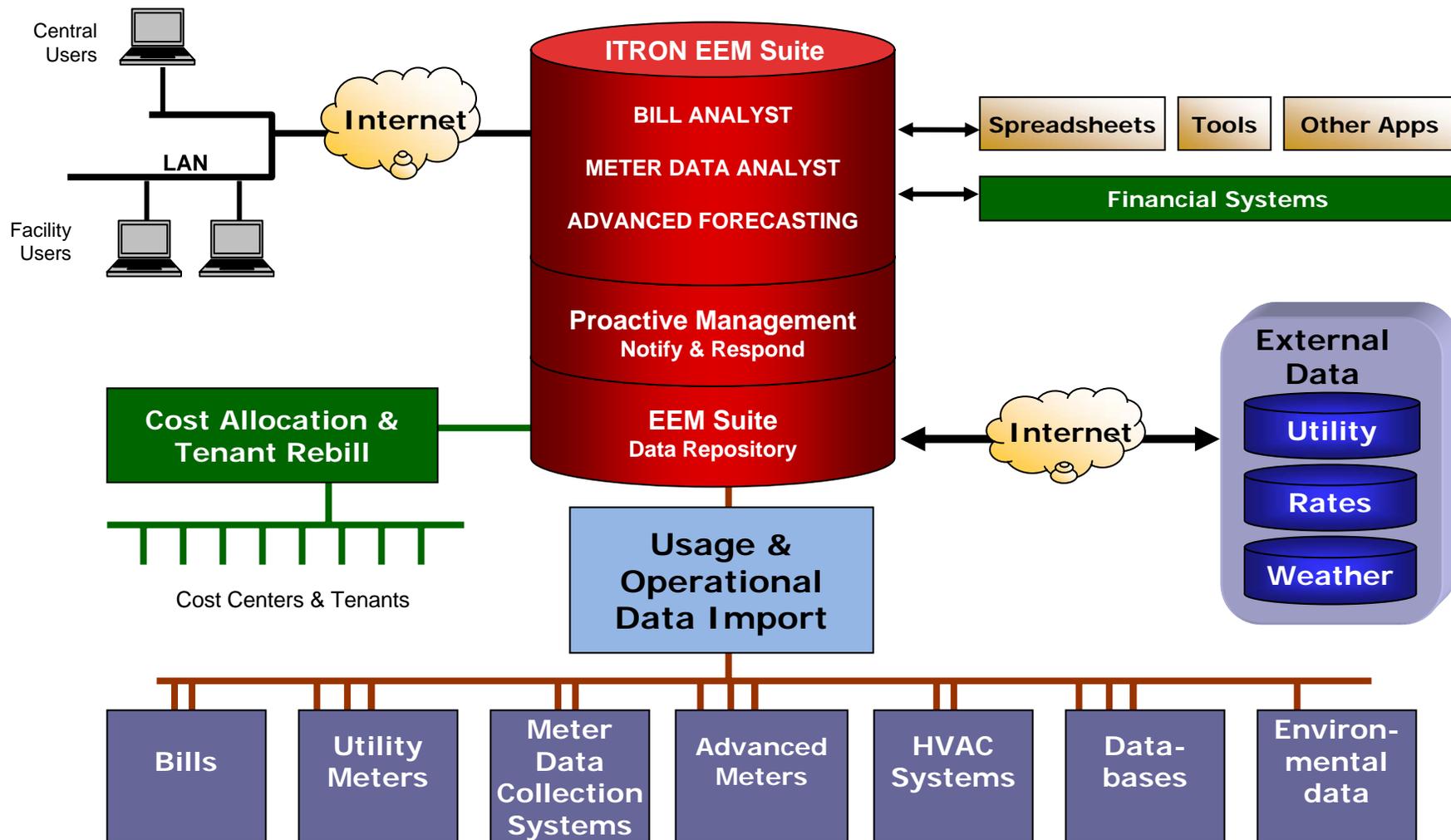
The annual equivalent of this renewable energy equates to:

Removing from the road: 1450 cars	Planting: 2150 trees
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Review & Submit data to California Climate Registry



# Enterprise Energy Management Environment





# Advanced Metering Systems

- **Financial Management**
  - > Manage your bills & costs
- **Operational Efficiency**
  - > Reduce and/or change your consumption
- **Optimize Procurement**
  - > Secure the best price

- Bill Audits
- Bill Reconciliation
- Cost Allocation/Tenant Rebill
- Budget Analysis





# Thank You

To know more, start here: [www.itron.com](http://www.itron.com)



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