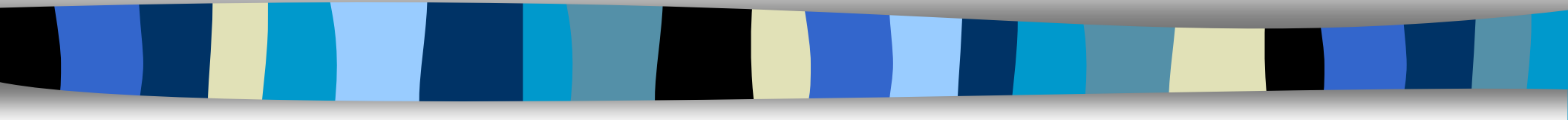


Company Brief



Georgia System Operations Corporation



Oglethorpe Family of Companies

1974 – Oglethorpe Power Corporation started.

1997 – Oglethorpe Power Corporation split into 3 corporations.

- **Oglethorpe Power Corp.(OPC) – Generation Resources**
- **Georgia Transmission Corp.(GTC) – Transmission Resources**
- **Georgia System Operations Corp.(GSOC) – System Operator**



ELECTRIC MEMBERSHIP CORPORATIONS

(EMC)

OPC, GTC, & GSOC are owned by 39 EMC's in Georgia

EMC's provide electric service:

- **To approximately 50% of households in Georgia**
- **Covers 75% of the state's land area**
- **Serves more than 3 million customers**
- **3 EMC's in North Georgia are affiliated with TVA**

PI System Overview (GSOC)

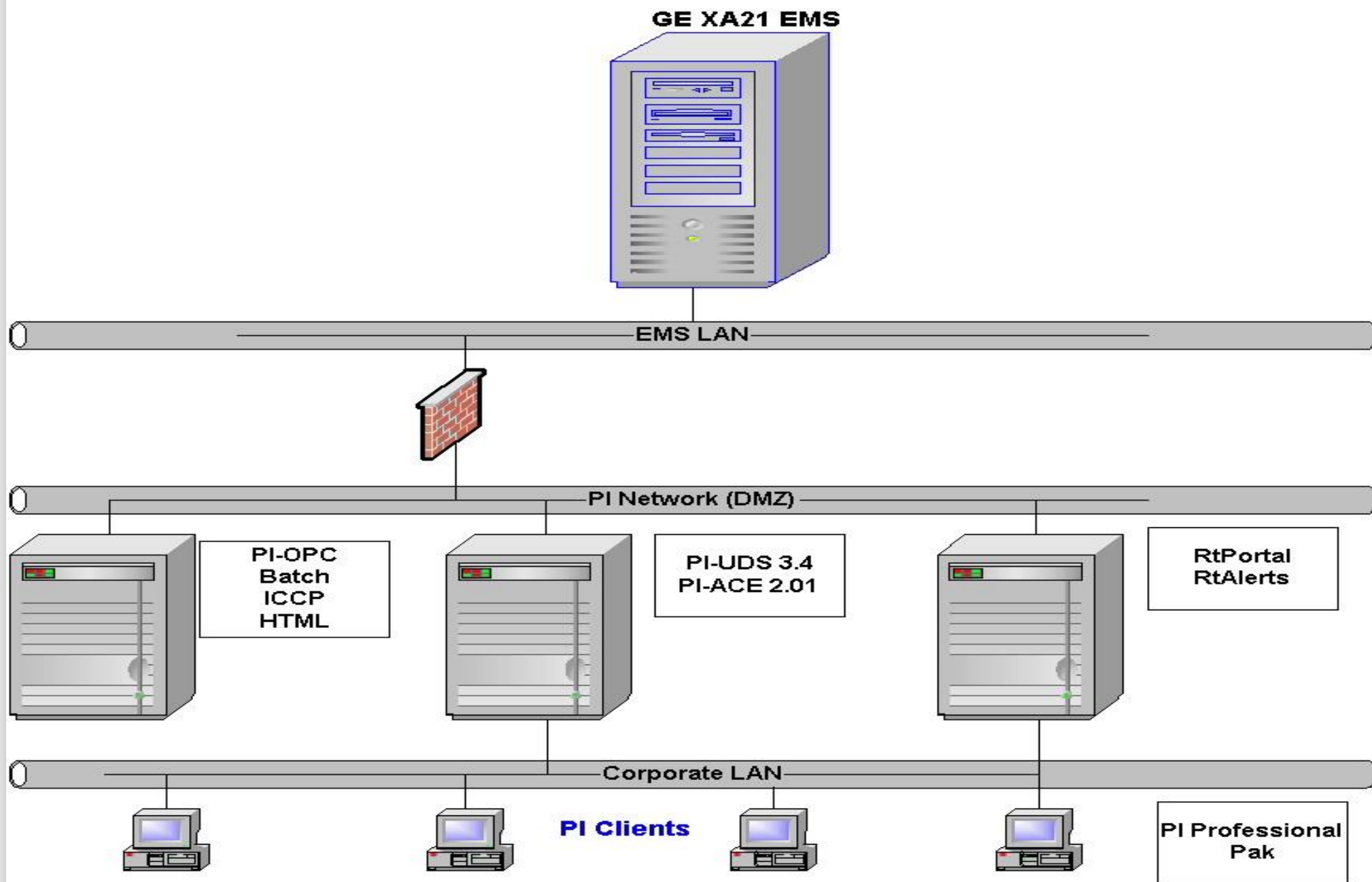
- PI historian is the primary source of historical data collected via the energy management system(EMS).
- PI first installed in 2000 with just a few hundred points.
- The PI system consists of the following components:
 - PI Database server – central component of PI system.
 - PI API – responsible for the PI interfaces that connect to the various data sources within the ECS network.
 - PI ACE – performs various calculations on PI data.
 - RtPortal – web portal that displays PI data in real-time using a web browser interface.



Overview(cont'd)

- Current PI system consist of more than 54,000 tags(points).
- Online storage capacity of 526GB
- PI-ICCP Interface is currently the primary interface used to connect to GE-XA21 Energy Management System. Other interfaces include PI-OPC, PI-Batchfl, and PI-HTML.
- ICCP Interface scans EMS data at scan rates as fast as 2 seconds on status scans.

PI System Configuration - Current





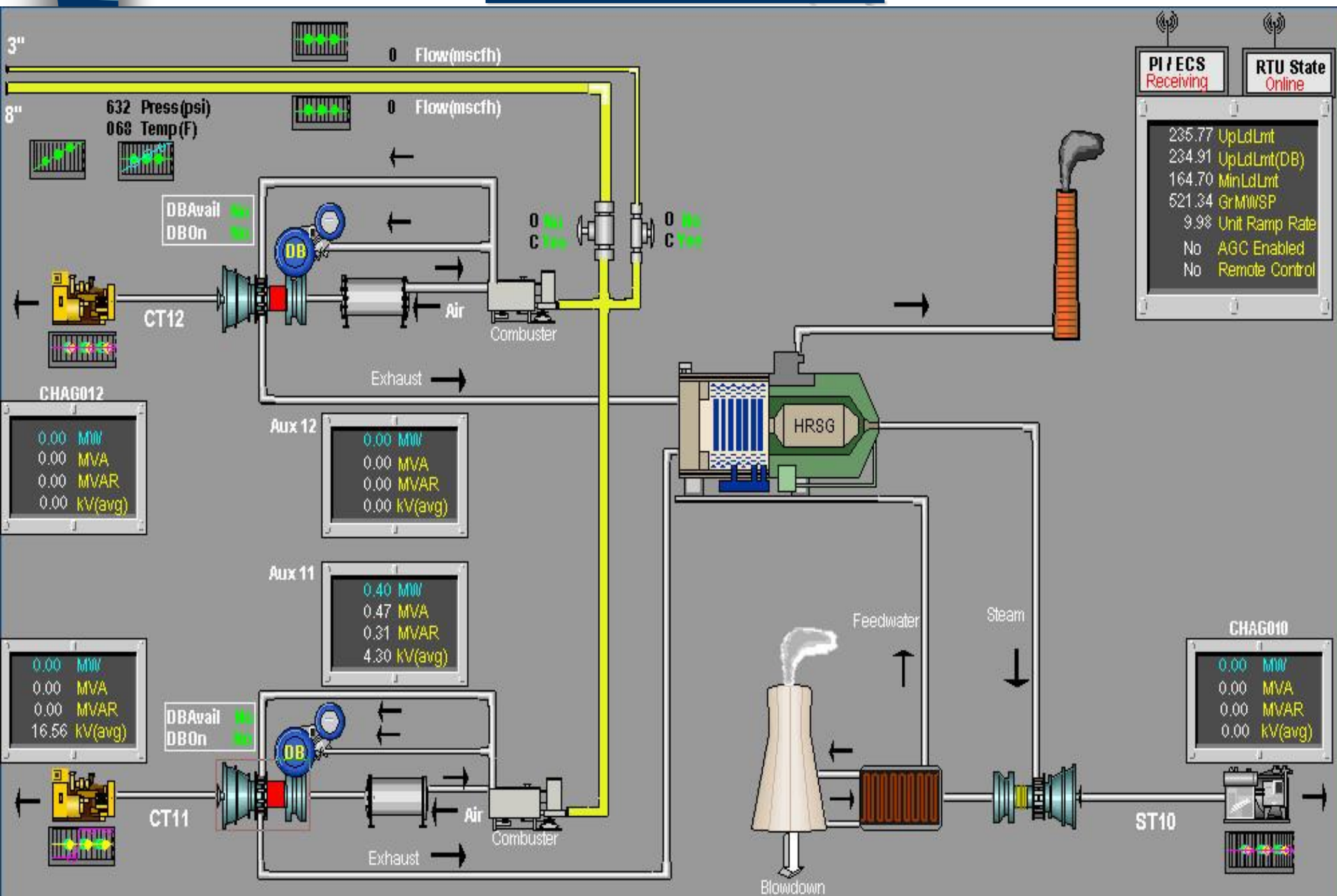
PI System Access Tools

- PI-ProcessBook – graphical interface to PI data.
- PI-Datalink – Microsoft Excel Add-In. Uses many of the Excel functions and tools.
- RtPortal – Web Portal
- PI-ODBC – Allow the collection of PI data using relational database access tools such as Microsoft Access, SQL Server, Sybase, etc.



Examples

ProcessBook Display



PI DataLink Daily Report

Microsoft Excel - EMC_Load_Summary

File Edit View Insert Format Tools Data Window PI PI-SMT Help

Security...

E18 = EPI_SampData("A50007_Carroll_Load", \$B\$3, \$B\$4, \$B\$5, 0, \$B\$2)

	A	B	C	D	E	F	G	H	I	J	K	L
1	EMC TOTAL LOAD											
2	PI Server											
3	Start Date/Time	10/23/2003										
4	End Date/Time	10/24/2003										
5	Interval	1H										
6												
7	Date/Time	Altamaha Load (MW)	Amicalola Load (MW)	Canoochee Load (MW)	Carroll Load (MW)	Central GA Load (MW)	Coastal Load (MW)	Cobb Load (MW)	Colquitt Load (MW)	Coweta Load (MW)	Exelsior Load (MW)	Flint Load (MW)
8	23-Oct-03 00:00:00	78.9289	33.8942	24.8144	69.0449	59.1948	23.2684	225.5070	70.4899	82.56087494	24.8144	24.8144
9	23-Oct-03 01:00:00	74.9061	32.5580	24.0385	64.1269	56.1022	22.4633	210.4416	65.3799	77.44821167		
10	23-Oct-03 02:00:00	75.0519	32.1430	23.9822	64.8181	55.3678	21.9996	204.3036	62.4305	76.63989258		
11	23-Oct-03 03:00:00	75.2319	33.8272	24.2406	65.9142	56.4928	22.1609	201.9688	61.6236	76.45717621		
12	23-Oct-03 04:00:00	78.5727	38.6711	26.0424	71.8634	61.6210	23.3550	211.4373	64.0593	81.44104004		
13	23-Oct-03 05:00:00	86.5674	51.0464	31.7556	85.4177	75.2750	28.5869	250.7364	78.4890	98.71509552		
14	23-Oct-03 06:00:00	96.1470	65.0198	39.1676	99.7416	93.3865	34.4643	318.9546	105.6672	127.0714264		
15	23-Oct-03 07:00:00	92.3224	60.6692	33.8807	92.2262	83.6233	29.6073	321.6312	94.4622	118.0117188		
16	23-Oct-03 08:00:00	88.9516	58.8613	32.0836	89.7318	79.3697	28.9011	313.8410	93.1619	116.3382492		
17	23-Oct-03 09:00:00	89.3263	55.4283	30.9377	87.3879	79.4847	28.1662	318.2496	91.8175	115.8252716		
18	23-Oct-03 10:00:00	86.9678	53.6516	31.2690	87.4354	77.2214	27.2551	319.2579	94.4114	115.1363144		
19	23-Oct-03 11:00:00	88.8925	50.7020	30.8896	84.4987	76.2237	27.1170	318.5420	96.6046	115.6305313		
20	23-Oct-03 12:00:00	84.3913	49.6136	31.1256	87.0431	76.9249	27.2199	326.1340	99.4916	118.4588394		
21	23-Oct-03 13:00:00	87.1586	47.8143	32.5608	87.8813	77.9533	27.4509	331.6226	104.0269	121.5050201		
22	23-Oct-03 14:00:00	87.2811	47.0501	34.6909	88.1261	80.1809	28.9381	343.2745	111.4211	124.214653		
23	23-Oct-03 15:00:00	87.5509	49.2383	37.6314	92.4911	82.2207	30.3435	350.7939	118.2480	129.0757294		

Ready

RtPortal

MyIE2 - [PI Web Portal]

File Edit View Favorites Groups Options Tools Window Help

Address

http://ecs_piwebportal.gasoc.com/piwebportal/piwebportal.asp?piwebportal=...

Links

Media

MSN.com


MSN

Radio Station Guide

Web Events

FOXNews...

PI Web Portal




Georgia System Operations Corporation
PI Web Portal

LogOut | Publish | Adhoc Trend | Content | Layout | Settings | Help

MSNBC Weather


Tucker

Current conditions

75° 


Wind: 7VAR
Baro: 29.81"
Humidity: 31%

Tomorrow



75°/43°

All temps shown in F° | Change to C°

 For extended forecasts, go to MSNBC.com

Web Links








New | Organize

<http://schedmem.gasoc.com>

http://ecs_team2@ms

Microsoft Outlook Messages - Inbox

New | Delete

	From	Subject	Received
	Sarracini, Loreto	FW: Dat...	Wed 10/22/...
	Taganajan, Tito	Owner ...	Wed 10/22/...
	McCafferty, ...	Comput...	Wed 10/22/...
	Taganajan, Tito	Question	Tue 10/21/2...
	Devnet SL	OSI Dev...	Mon 10/20/2...
	Denning, Helen	RE: Req...	Fri 10/17/20...
	Paschall, Sara	Benefits...	Mon 10/13/2...





PI Graphic - emc_id_sum_v1.0.svg

EMC Load Summary

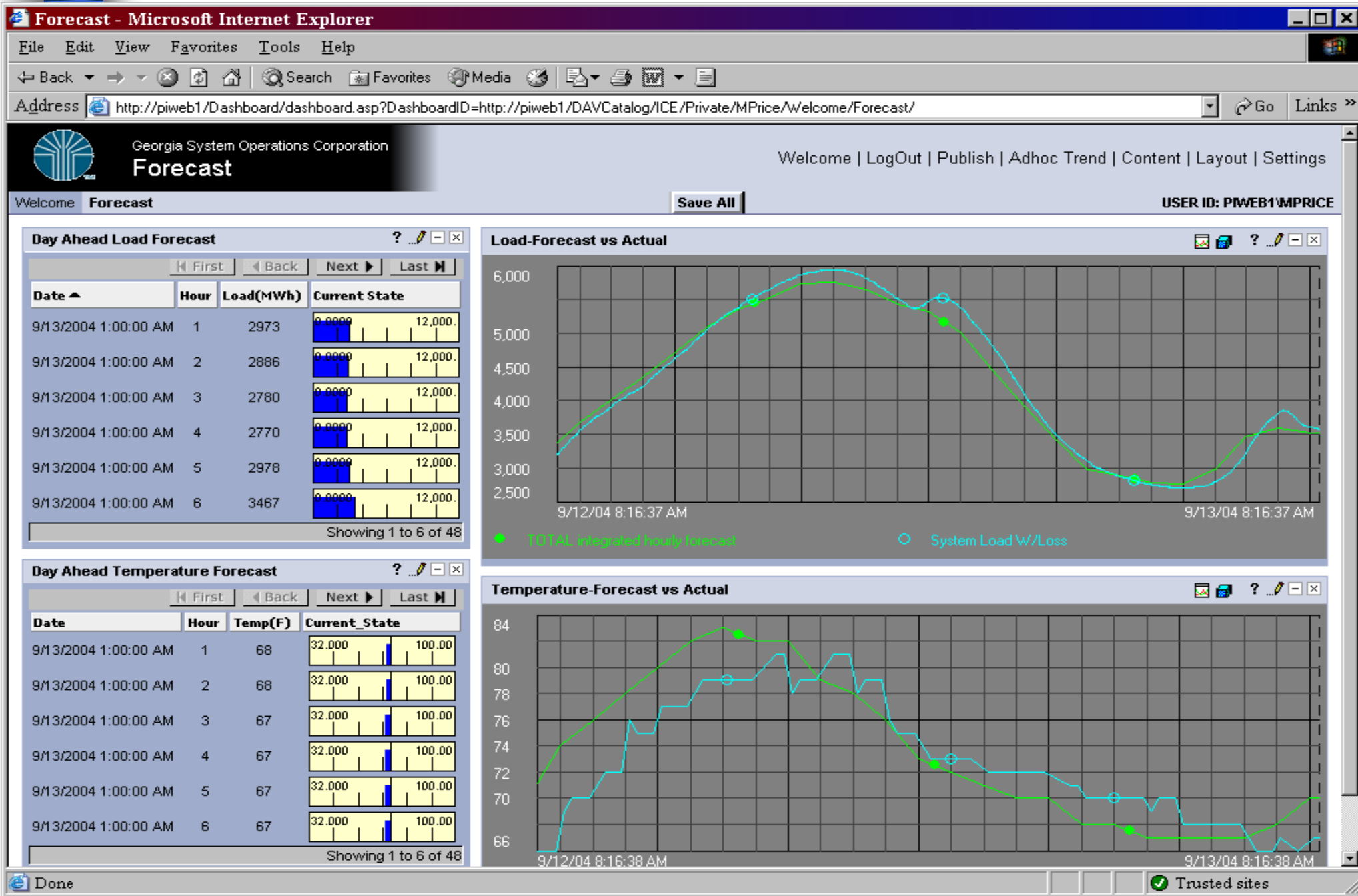
ECS/PI Link
Receiving

EMC	Load (MW)	CurHr (MWh)	EMC	Load (MW)	CurHr (MWh)	EMC	Load (MW)	CurHr (MWh)
Altamaha	93.66	76.68	Irwin	21.52	17.23	Slash Pine	19.85	15.94
Amicalola	51.61	41.44	Jackson	459.67	376.79	Snapping Shoals	150.74	122.94
Canoochee	42.00	34.09	Jefferson	58.22	47.24	Sumter	38.77	30.91
Carroll	93.28	75.25	Lamar	29.74	24.14	Three Notch	25.51	20.40
C. Georgia	89.64	72.27	L. Ocmulgee	20.73	17.15	Tri-County	32.71	26.66
Coastal	35.10	28.84	Middle GA.	15.74	12.68	Troup	50.16	40.45
Cobb	377.40	308.72	Mitchell	53.46	43.26	Upson	13.52	11.01
Colquitt	135.39	109.82	Ocmulgee	19.11	15.18	Walton	220.58	179.62
Coweta-Fayette	138.08	112.05	Oconee	25.11	19.69	Washington	43.38	35.49
Excelsior	39.80	32.22	Okefenoke	61.82	49.32	Sterling Pulp	11.58	
Flint	168.51	137.42	Pataula	10.67	8.64	Total System Load	3658.70	
Grady	38.97	31.63	Planters	23.58	18.51	System Frequency	60.00 Hz	
Greystone	202.94	165.88	Rayle	25.81	20.48	Temperature	76.88 F	
Habersham	43.19	35.03	Satilla	119.89	96.48			
Hart	54.30	44.16	Sawnee	270.98	221.06			

Done

535     2.00K 339M

RtPortal





Using the Batch System in Power

- Batch System = “Event Tracking”
- Batches should be used whenever you need to know “when something occurred.”
 - Unit dispatching
 - Voltage Excursions
 - RTU Communication interruptions
 - Meter imbalances
 - Breaker Trips



Using Batches for T&D

■ Examples

- Unit Dispatch list
- RTU Communication Interruptions
- Meter Imbalances
- Breaker Trips

PI Module Structure for Generation

ecs_pisrv1 - Remote Desktop

PI Module Database Editor - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address D:\PIPC\SMT\MDBEditor\MDBEditor.html

Google Search Web PageRank 79 blocked AutoFill Options

UNIT 1 ANALOG

Folder Items

- My Module Databases
 - localhost
 - PI BatchDB
 - PI ModuleDB
 - %OSI
 - GSOC
 - DISTRIBUTION
 - GENERATION
 - CT
 - Chattahoochee 11
 - Chattahoochee 12
 - Doyle 1
 - Doyle 2
 - Doyle 3
 - Doyle 4
 - Doyle 5
 - Hartwell 1
 - Hartwell 2
 - Sewell Creek 1
 - Sewell Creek 2
 - Sewell Creek 3
 - Sewell Creek 4
 - Smarr 1
 - Smarr 2
 - Talbot 1
 - Talbot 2
 - Talbot 3
 - Talbot 4
 - TestCT
 - FOSSIL
 - SCHERER
 - UNIT 1 ANALOG
 - UNIT 1 DIGITAL
 - UNIT 2 ANALOG
 - UNIT 2 DIGITAL
 - HYDRO
 - NUCLEAR
 - GSOC Test1

Sub-Modules PI Aliases PI Properties

PIAlias Name	Tag Name	Server	Snapshot Value	Snapshot Time
HEAT RATE OPTIMIZ...	1_PERF_IND	localhost	824.5678	9/15/2004 7:01:24 AM
Total Coal Flow	1_TOT_COAL_F	localhost	931.3766	9/15/2004 7:01:44 AM
ECONOMIZER OUTLE...	1_LH_ECON_OUT_CO...	localhost	983.7305	9/15/2004 6:55:04 AM
ECONOMIZER OUTLE...	1_RH_ECON_OUT_C...	localhost	993.75	9/15/2004 6:59:04 AM
ECONOMIZER OUTLE...	1_LH_ECON_OUT_O2...	localhost	-9999999	9/15/2004 6:57:46 AM
ECONOMIZER OUTLE...	1_RH_ECON_OUT_O...	localhost	-9999999	9/15/2004 6:57:46 AM
CEMS NOX	1_CEM_NOX_R	localhost	0.1450781	9/15/2004 6:59:04 AM
GEN GROSS LOAD	1_GROSS_MW	localhost	801.2438	9/15/2004 7:01:44 AM
COAL SILO A CO	1_A_COAL_SILO_CO	localhost	35.49805	9/15/2004 7:01:04 AM
COAL SILO A O2	1_A_COAL_SILO_O2	localhost	17.32734	9/15/2004 6:52:04 AM
COAL SILO B CO	1_B_COAL_SILO_CO	localhost	35.50781	9/15/2004 7:01:44 AM
COAL SILO B O2	1_B_COAL_SILO_O2	localhost	21.1002	9/15/2004 6:53:04 AM
#1 BURNER TILT PO...	1_1_BRNT_POS	localhost	2.637892	9/15/2004 6:53:29 AM
CONT VLV 1 STM L...	1_1_CTL_VLV_STM_L...	localhost	2276.719	9/15/2004 7:01:24 AM
NO 1 HTR DRAIN TMP	1_1_FWH_DRN_T	localhost	133.1913	9/15/2004 6:58:04 AM
NO 1 HTR EXTR PRS	1_1_FWH_EXT_P	localhost	6.598828	9/15/2004 7:00:04 AM
NO 1 HTR EXTR TMP	1_1_FWH_EXT_T	localhost	192.7428	9/15/2004 6:59:04 AM
NO 1 HTR COND I...	1_1_FWH_IN_P	localhost	264.0234	9/15/2004 7:00:24 AM
NO 1 HTR COND I...	1_1_FWH_IN_T	localhost	123.0964	9/15/2004 6:56:44 AM
10 STG EXTR TE LO ...	1_10STG_EXT_TE_LO_T	localhost	869.0687	9/15/2004 7:01:04 AM
10 STG EXTR TE UP ...	1_10STG_EXT_TE_UP_T	localhost	869.793	9/15/2004 6:57:44 AM
10 STG EXTR LO GEN...	1_10STG_EXT_GE_LO...	localhost	866.3638	9/15/2004 6:56:44 AM
10 STG EXTR UP GEN...	1_10STG_EXT_GE_UP...	localhost	869.5144	9/15/2004 6:57:04 AM
14 STG EHT HOOD A...	1_14STG_HD_A_LO_I...	localhost	566.0308	9/15/2004 6:56:24 AM
14 STG EHT HOOD A...	1_14STG_HD_A_LO_I...	localhost	562.0841	9/15/2004 6:55:04 AM
14STGEHT HOOD A L...	1_14STG_HD_A_LO...	localhost	481.0464	9/15/2004 6:59:44 AM
14STGEHT HOOD A L...	1_14STG_HD_A_LO...	localhost	471.6599	9/15/2004 6:56:04 AM
14 STG EHT HOOD A...	1_14STG_HD_A_UP_I...	localhost	568.952	9/15/2004 6:56:04 AM
14 STG EHT HOOD A...	1_14STG_HD_A_UP_I...	localhost	557.8722	9/15/2004 7:01:04 AM
14STGEHT HOOD A ...	1_14STG_HD_A_UP...	localhost	443.8894	9/15/2004 6:59:24 AM
14STGEHT HOOD A ...	1_14STG_HD_A_UP...	localhost	455.2909	9/15/2004 7:00:24 AM
14 STG EHT HOOD B...	1_14STG_HD_B_LO_I...	localhost	622.7699	9/15/2004 6:57:44 AM
14 STG EHT HOOD B...	1_14STG_HD_B_LO_I...	localhost	608.1644	9/15/2004 6:57:04 AM
14STGEHT HOOD B L...	1_14STG_HD_B_LO...	localhost	463.7981	9/15/2004 6:59:44 AM
14STGEHT HOOD B L...	1_14STG_HD_B_LO...	localhost	438.3376	9/15/2004 7:00:44 AM
14 STG EHT HOOD B...	1_14STG_HD_B_UP_I...	localhost	629.1953	9/15/2004 7:01:44 AM

0 Objects Type: PIModule Aliases: 1314 Properties: 0 Effective Date: 12/31/1969 6:00:01 PM Query Date: 9/15/2004 7:01:59 AM Creator: piadmin ParentCount: 1

Done

Start My Computer 7:02 AM

PI Module Structure for Distribution

ecs_pisrv1 - Remote Desktop

PI Module Database Editor - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address D:\PIPC\SMT\MDBEditor\MDBEditor.html

Google Search Web PageRank 79 blocked AutoFill Options

ALT01 - Swainsboro

Folder Items

- localhost
 - PI BatchDB
 - PI ModuleDB
 - %OSI
 - GSOC
 - DISTRIBUTION
 - ALT
 - ALT01 - Swainsboro**
 - ALT02 - Soperton
 - ALT04 - East Dublin
 - ALT05 - Ohoopsee River
 - ALT06 - Alston
 - ALT08 - Kibbee
 - ALT09 - Stanley
 - ALT10 - McGregor
 - ALT11 - Phillips
 - ALT12 - Southeast Paper
 - ALT13 - Nunez
 - ALT14 - Loop Road
 - ALT15 - Minter
 - ALT19 - West Lyons
 - AMI
 - AMI01 - Tate
 - AMI02 - N. Division Office
 - AMI05 - Briar Patch
 - AMI08 - Talking Rock
 - AMI11 - Quill
 - AMI12 - Cane Creek
 - AMI13 - Big Canoe
 - AMI14 - Lake Arrowhead
 - AMI15 - BoardTown
 - AMI16 - Juno
 - AMI17 - First Mountain
 - AMI18 - North Keithsburg
 - AMI20 - Stamp Creek
 - AMI22 - Etowah

Sub-Modules PI Aliases PI Properties

PIAlias Name	Tag Name	Server	Snapshot Value	Snapshot Time
ALTS001 RRM MW	A20260:ALT01:ALTS...	localhost	0	9/15/2004 7:00:02 AM
ALT01 Bk-A&B MW	A5359:ALT01:ALT01...	localhost	7.6464	9/13/2004 1:56:22 PM
Bk-A&B MVAR	A5360:ALT01:Bk-A&...	localhost	0.4266	9/15/2004 7:03:01 AM
Bk-A&B P1 Amps	A5361:ALT01:Bk-A&...	localhost	119.4	9/15/2004 7:03:01 AM
Bk-A&B P2 Amps	A5362:ALT01:Bk-A&...	localhost	109.8	9/15/2004 7:03:01 AM
Bk-A&B P3 Amps	A5363:ALT01:Bk-A&...	localhost	141	9/15/2004 7:03:01 AM
ALT01 Bk-A&B Volts	A5364:ALT01:ALT01...	localhost	12.92245	9/15/2004 7:03:01 AM
PCB#H0482 Amps	A5365:ALT01:PCB#...	localhost	106	9/15/2004 7:03:01 AM
PCB#C-402 Amps	A5366:ALT01:PCB#...	localhost	5.2	9/15/2004 7:01:41 AM
ALT01 Battery Voltage	A5367:ALT01:ALT01...	localhost	133.95	9/15/2004 7:00:02 AM
ALTS001 P1 Volts	A5369:ALT01:ALTS0...	localhost	13.2498	9/15/2004 7:02:41 AM
ALTS001 P2 Volts	A5370:ALT01:ALTS0...	localhost	13.24201	9/15/2004 7:02:41 AM
ALTS001 P3 Volts	A5371:ALT01:ALTS0...	localhost	13.09392	9/15/2004 7:02:41 AM
ALTS001 P1 Amps	A5372:ALT01:ALTS0...	localhost	111.6	9/15/2004 7:03:01 AM
ALTS001 P2 Amps	A5373:ALT01:ALTS0...	localhost	132	9/15/2004 7:03:01 AM
ALTS001 P3 Amps	A5374:ALT01:ALTS0...	localhost	106.5	9/15/2004 7:03:01 AM
ALTS001 MW	A5375:ALT01:ALTS0...	localhost	2.6406	9/15/2004 7:02:56 AM
ALTS001 MVAR	A5376:ALT01:ALTS0...	localhost	0.3888	9/15/2004 7:01:20 AM
ALTS001 PF	A5377:ALT01:ALTS0...	localhost	0.9855	9/15/2004 7:03:01 AM
ALTS001 MVA	A5378:ALT01:ALTS0...	localhost	2.673	9/15/2004 7:03:01 AM
Calculated-MVA	A5379:ALT01:Calcul...	localhost	2.818867	9/15/2004 7:03:01 AM
ALTS001 MWH Recei...	C4922:ALT01:ALTS0...	localhost	0	9/15/2004 7:00:05 AM
ALTS001 MWH Deliv...	C4923:ALT01:ALTS0...	localhost	2.74608	9/15/2004 7:00:05 AM
ALTS001 MVARH Rec...	C4924:ALT01:ALTS0...	localhost	0	9/15/2004 7:00:05 AM
ALTS001 MVARH Deli...	C4925:ALT01:ALTS0...	localhost	0.40356	9/15/2004 7:00:05 AM
ALTS001 RRM Comm.	S45000:ALT01:ALTS...	localhost	Alarm	9/15/2004 7:00:02 AM
Swainsboro Status	S6791:ALT01:Swains...	localhost	Online	9/15/2004 7:00:01 AM
AOM Sw#042997	S6792:ALT01:AOM S...	localhost	Close	9/15/2004 7:00:01 AM
12kV PCB#H0482	S6793:ALT01:12kV ...	localhost	Close	9/15/2004 7:00:01 AM
12kV PCB#C0402	S6794:ALT01:12kV ...	localhost	Close	9/15/2004 7:00:01 AM
Bk-A&B Oil Level	S6795:ALT01:Bk-A&...	localhost	Normal	9/15/2004 7:00:01 AM
Bk-A&B Prot. C.O. Sw.	S6796:ALT01:Bk-A&...	localhost	Close	9/15/2004 7:00:01 AM
H0482 Prot. C.O. Sw.	S6797:ALT01:H0482...	localhost	Close	9/15/2004 7:00:01 AM
C0402 Prot. C.O. Sw.	S6798:ALT01:C0402...	localhost	Close	9/15/2004 7:00:01 AM
Bk-A&B DX L.O.	S6799:ALT01:Bk-A&...	localhost	Normal	9/15/2004 7:00:01 AM
RTU Control Board	S6801:ALT01:RTU C...	localhost	Normal	9/15/2004 7:00:01 AM

1 Objects Type: PIModule Aliases: 40 Properties: 0 Effective Date: 12/31/1969 6:00:01 PM Query Date: 9/15/2004 7:03:04 AM Creator: piadmin ParentCount: 1

Done My Computer

Start PI Module Dat...

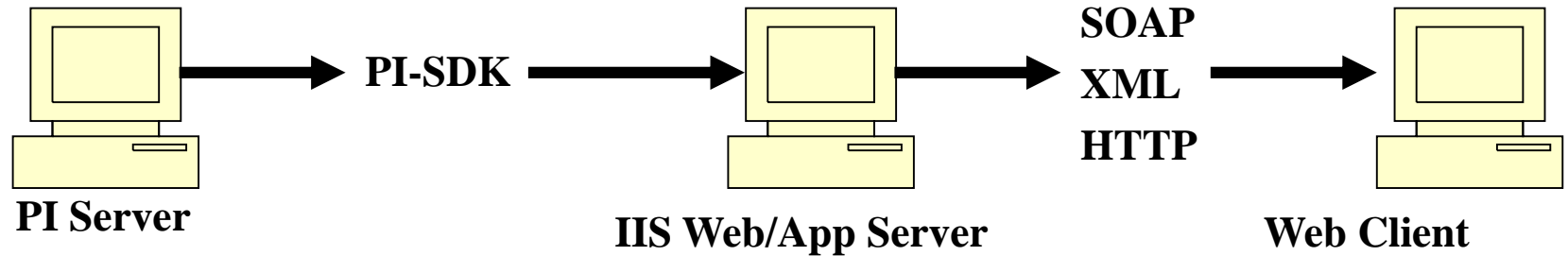
7:03 AM



ACE Applications

- Using the Module Database speeds up deploying ACE applications (contexts) substantially
- Sample Applications
 - “Homegrown” batch generation application
 - Meter imbalance applications
 - Three-phase current imbalance
 - ACE Applications are exposed as SOAP XML Web Services

Data flow for Web Services



```
POST /pisoap/pi.asmx
HTTP/1.1 Host: localhost
Content-Type: text/xml; charset=utf-8
Content-Length: length
SOAPAction: "http://localhost/Sinusoid"
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/">
<soap:Body>
<Sinusoid xmlns="http://localhost" />
</soap:Body>
</soap:Envelope>
```

ASP.NET Unit Dispatch Report

WebForm1 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media AutoFill Options

Address http://ecs_pisrv1/pireports/unitbatchtest.aspx Go Links

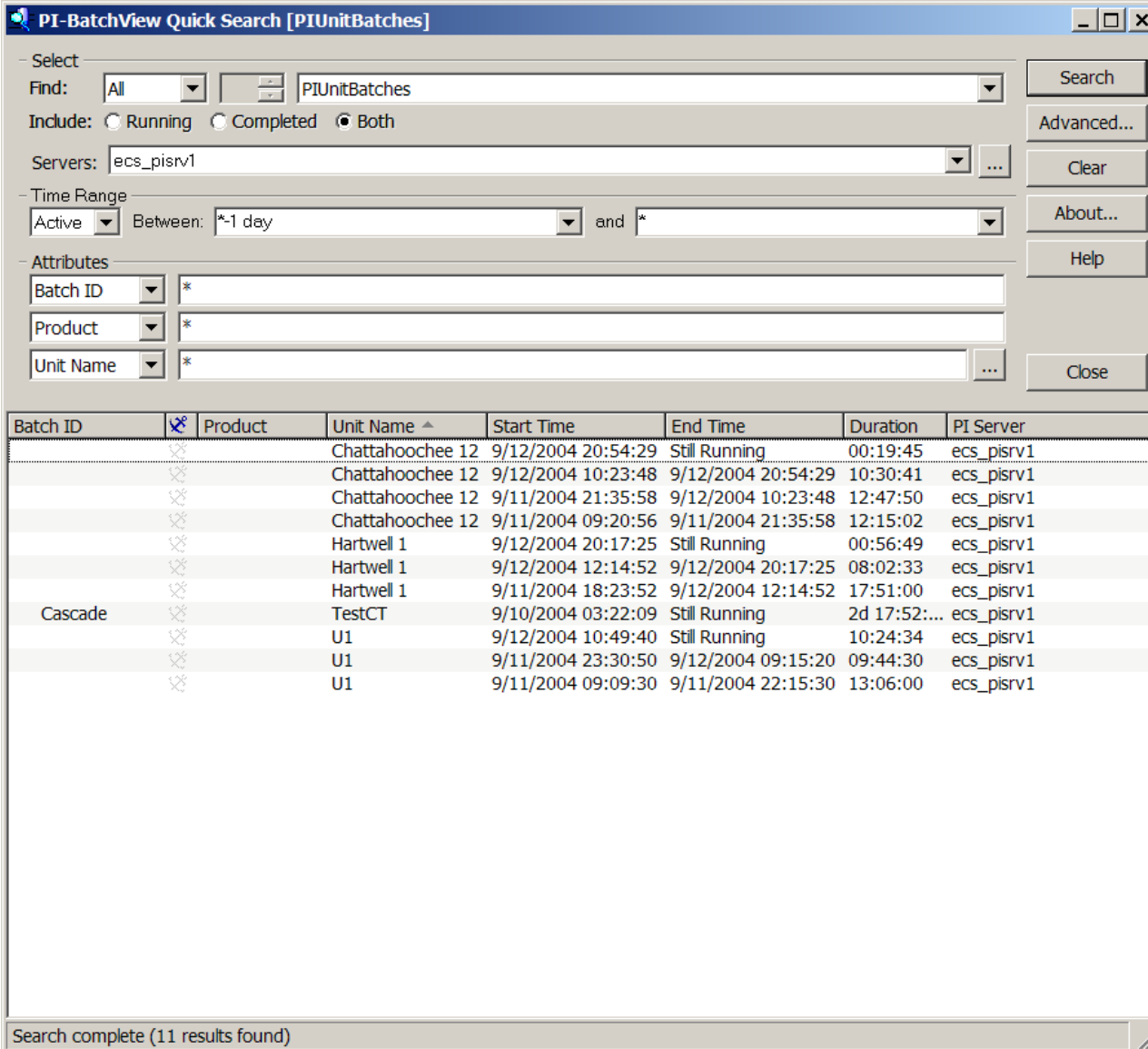
Google Search Web 289 blocked AutoFill Options

Chattahoochee 12

Start Time	End Time	Unit	Maximum	Minimum	MWh
9/14/2004 8:58:17 PM	9/15/2004 9:09:48 AM	Chattahoochee 12	18.30	-4.67	-0.07
9/15/2004 9:09:48 AM	9/15/2004 8:28:33 PM	Chattahoochee 12	163.59	2.15	63.81
9/15/2004 8:28:33 PM	9/16/2004 5:46:54 AM	Chattahoochee 12	17.90	-4.79	-0.04
9/16/2004 5:46:54 AM	Current	Chattahoochee 12	131.04	17.90	

Done Trusted sites

PI Batches For Unit Dispatch



PI-BatchView Quick Search [PIUnitBatches]

Select
Find: All [dropdown] PIUnitBatches [dropdown]
Include: ☐ Running ☐ Completed ☒ Both
Servers: ecs_pisrv1 [dropdown]
Time Range
Active [dropdown] Between: *-1 day [dropdown] and * [dropdown]
Attributes
Batch ID [dropdown] * [text]
Product [dropdown] * [text]
Unit Name [dropdown] * [text]
Buttons: Search, Advanced..., Clear, About..., Help, Close

Batch ID	Product	Unit Name ^	Start Time	End Time	Duration	PI Server
		Chattahoochee 12	9/12/2004 20:54:29	Still Running	00:19:45	ecs_pisrv1
		Chattahoochee 12	9/12/2004 10:23:48	9/12/2004 20:54:29	10:30:41	ecs_pisrv1
		Chattahoochee 12	9/11/2004 21:35:58	9/12/2004 10:23:48	12:47:50	ecs_pisrv1
		Chattahoochee 12	9/11/2004 09:20:56	9/11/2004 21:35:58	12:15:02	ecs_pisrv1
		Hartwell 1	9/12/2004 20:17:25	Still Running	00:56:49	ecs_pisrv1
		Hartwell 1	9/12/2004 12:14:52	9/12/2004 20:17:25	08:02:33	ecs_pisrv1
		Hartwell 1	9/11/2004 18:23:52	9/12/2004 12:14:52	17:51:00	ecs_pisrv1
Cascade		TestCT	9/10/2004 03:22:09	Still Running	2d 17:52:...	ecs_pisrv1
		U1	9/12/2004 10:49:40	Still Running	10:24:34	ecs_pisrv1
		U1	9/11/2004 23:30:50	9/12/2004 09:15:20	09:44:30	ecs_pisrv1
		U1	9/11/2004 09:09:30	9/11/2004 22:15:30	13:06:00	ecs_pisrv1

Search complete (11 results found)

PI Batches for Comm. Problems

ecs_pisrv1 - Remote Desktop

PI Module Database Editor - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Media Print Copy Paste

Address <D:\PIPC\SMT\MDBEditor\MDBEditor.html> Go Links

Google Search Web PageRank 79 blocked AutoFill Options

Search_3 : PIUnitBatchList

Folder Items

- CT
 - Chattahoochee 11
 - Chattahoochee 12
 - Doyle 1
 - Doyle 2
 - Doyle 3
 - Doyle 4
 - Doyle 5
 - Hartwell 1
 - Hartwell 2
 - Sewell Creek 1
 - Sewell Creek 2
 - Sewell Creek 3
 - Sewell Creek 4
 - Smarr 1
 - Smarr 2
 - Talbot 1
 - Talbot 2
 - Talbot 3
 - Talbot 4
 - TestCT
- FOSSIL
 - SCHERER
 - UNIT 1 ANALOG
 - UNIT 1 DIGITAL
 - UNIT 2 ANALOG
 - UNIT 2 DIGITAL
 - HYDRO
 - NUCLEAR
 - GSOCtest1
 - GSOCtest2
 - GSOC, OLD
- My Searches
 - Search_1 : PIUnitBatchList
 - Search_2 : PIUnitBatchList
 - Search_3 : PIUnitBatchList

27 Objects

Done My Computer

Start [Icons] PI Module Dat...

7:05 AM

PI UnitBatchList Detail

Name	Start Time	End Time	PI Unit	Product	Procedure	PIHeading	Re...
10	9/11/2004 4:18:54 PM	*	ALT02 - Soperton				
10	9/11/2004 4:18:52 PM	9/11/2004 4:18:54 PM	ALT02 - Soperton				
10	9/11/2004 4:18:36 PM	9/11/2004 4:18:52 PM	ALT02 - Soperton				
10	9/11/2004 4:17:02 PM	9/11/2004 4:18:36 PM	ALT02 - Soperton				
10	9/11/2004 4:16:12 PM	9/11/2004 4:17:02 PM	ALT02 - Soperton				
10	9/11/2004 4:16:10 PM	9/11/2004 4:16:12 PM	ALT02 - Soperton				
10	9/11/2004 4:15:40 PM	9/11/2004 4:16:10 PM	ALT02 - Soperton				
10	9/11/2004 4:15:20 PM	9/11/2004 4:15:40 PM	ALT02 - Soperton				
10	9/11/2004 3:59:25 PM	9/11/2004 4:15:20 PM	ALT02 - Soperton				
10	9/11/2004 3:58:47 PM	9/11/2004 3:59:25 PM	ALT02 - Soperton				
10	9/11/2004 3:51:36 PM	9/11/2004 3:58:47 PM	ALT02 - Soperton				
10	9/11/2004 3:51:26 PM	9/11/2004 3:51:36 PM	ALT02 - Soperton				
10	9/11/2004 3:46:26 PM	9/11/2004 3:51:26 PM	ALT02 - Soperton				
10	9/11/2004 3:46:22 PM	9/11/2004 3:46:26 PM	ALT02 - Soperton				
10	9/11/2004 3:45:12 PM	9/11/2004 3:46:22 PM	ALT02 - Soperton				
10	9/11/2004 3:44:36 PM	9/11/2004 3:45:12 PM	ALT02 - Soperton				
10	9/11/2004 3:43:00 PM	9/11/2004 3:44:36 PM	ALT02 - Soperton				
10	9/11/2004 3:42:50 PM	9/11/2004 3:43:00 PM	ALT02 - Soperton				
10	9/11/2004 3:41:30 PM	9/11/2004 3:42:50 PM	ALT02 - Soperton				
10	9/11/2004 3:41:16 PM	9/11/2004 3:41:30 PM	ALT02 - Soperton				
10	9/11/2004 3:35:30 PM	9/11/2004 3:41:16 PM	ALT02 - Soperton				
10	9/11/2004 3:35:24 PM	9/11/2004 3:35:30 PM	ALT02 - Soperton				
10	9/11/2004 3:33:14 PM	9/11/2004 3:35:24 PM	ALT02 - Soperton				
10	9/11/2004 3:33:04 PM	9/11/2004 3:33:14 PM	ALT02 - Soperton				
10	9/11/2004 3:29:02 PM	9/11/2004 3:33:04 PM	ALT02 - Soperton				
10	9/11/2004 3:28:46 PM	9/11/2004 3:29:02 PM	ALT02 - Soperton				
10	9/10/2004 2:39:29 PM	9/11/2004 3:28:46 PM	ALT02 - Soperton				