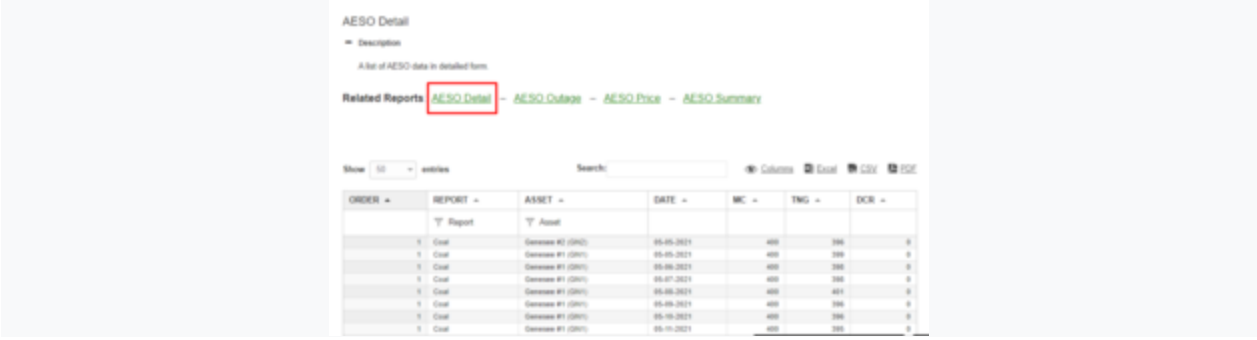
ANSERGY HELP MANUAL

Contents

AESO Detail



Where

[Main Menu / Power / Demand / AESO Summary]

Here is the source location
- http://ets.aeso.ca/ets_web/ip/Market/Reports/CSDReportServlet

Why

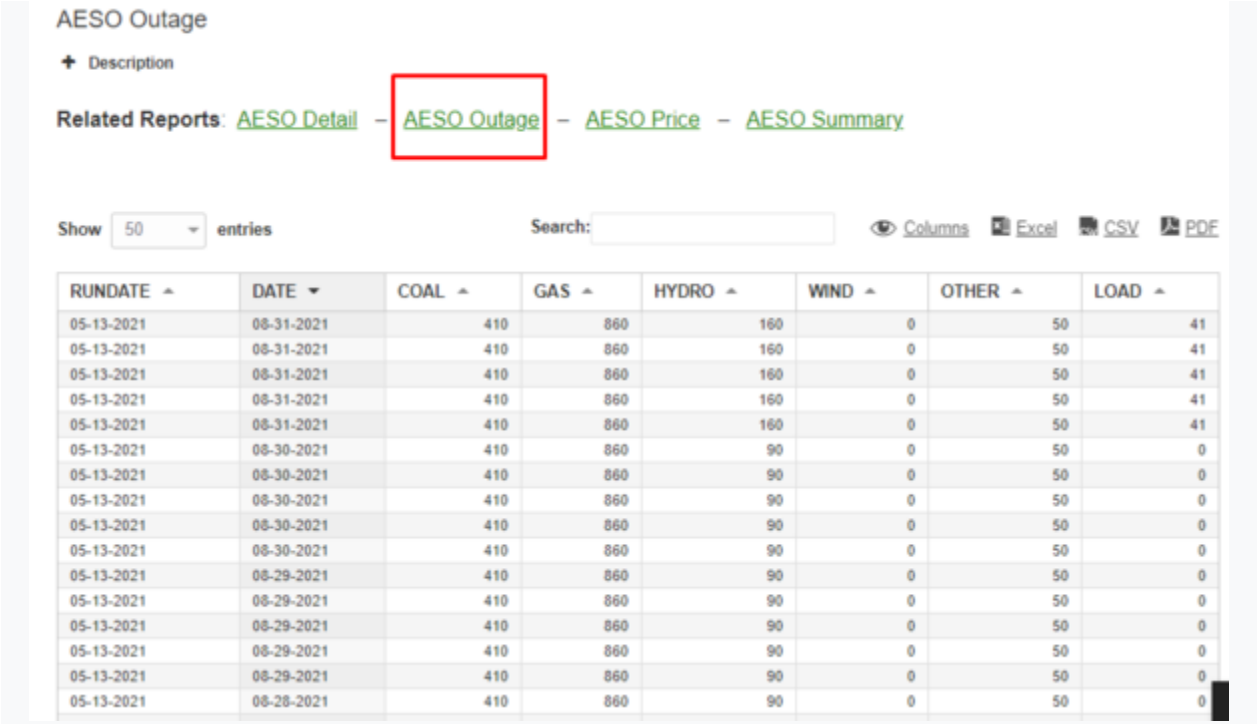
A list of AESO data in detailed form.

What

- Filter by report type; Bio, Coal, Cogen, CombCycle (combined cycle), Gas, Generation, Hydro or Wind
- Select Asset Location
- MC - Max Capacity
- TNG - Total Net Generation
- DCR - Dispatched Contingency Reserve
- Show or Hide Columns
- Export to Excel or CSV

Alberta Internal Load	Calculated total Alberta demand based on all telemetered Control Area Net Generation plus Net Actual Interchange.
Alberta Total Net Generation	Total telemetered Net Generation within the Alberta control Area
Contingency Reserve Required	Based on the WSCC Reserve calculation Methodology - DCR Required is the amount of Contingency reserve that should be obtained on average during the hour
DCR	Dispatched (and Accepted) Contingency Reserve
DCR Generation	Total Dispatched Contingency Reserve obtained from Generation assets
DCR Other	Total Dispatched Contingency Reserve obtained from Non- Generation assets (Interconnections, Load, etc)
DCR Total	The mathematical sum of DCR Generation plus DCR Other
Net Actual Interchange	Control area interchange between Alberta and British Columbia, Saskatchewan and Montana - Defined as Import (-) or Export (+)
Net-To-Grid Generation	Net-To-Grid Generation is calculated as per the definition "net generation the ISO determines is delivered to the grid" in Alberta Reliability Standard BAL-002-WECC-AB-2). Load used to calculate contingency reserves requirements, as per BAL-002-WECC-AB-2, is Net-To-Grid Generation minus Net Actual Interchange. Please see BAL-002-WECC-AB-2 for more information
MC	Maximum Capability: For a generating asset, the maximum quantity (MW) that the generating asset is physically capable of providing under optimal operating conditions for that asset while complying with all applicable ISO rules and terms and conditions of the ISO tariff. Note that the MCs of coal assets are net of auxiliary load.
MCR	Maximum Continuous Rating
TNG	Total Net Generation (Gross Generation minus Asset service)

AESO Outage



AESO Outage

+ Description

Related Reports: AESO Detail – AESO Outage – AESO Price – AESO Summary

Show 50 entries Search: Columns Excel CSV PDF

RUNDATE	DATE	COAL	GAS	HYDRO	WIND	OTHER	LOAD
05-13-2021	08-31-2021	410	860	160	0	50	41
05-13-2021	08-31-2021	410	860	160	0	50	41
05-13-2021	08-31-2021	410	860	160	0	50	41
05-13-2021	08-31-2021	410	860	160	0	50	41
05-13-2021	08-31-2021	410	860	160	0	50	41
05-13-2021	08-30-2021	410	860	90	0	50	0
05-13-2021	08-30-2021	410	860	90	0	50	0
05-13-2021	08-30-2021	410	860	90	0	50	0
05-13-2021	08-30-2021	410	860	90	0	50	0
05-13-2021	08-30-2021	410	860	90	0	50	0
05-13-2021	08-29-2021	410	860	90	0	50	0
05-13-2021	08-29-2021	410	860	90	0	50	0
05-13-2021	08-29-2021	410	860	90	0	50	0
05-13-2021	08-29-2021	410	860	90	0	50	0
05-13-2021	08-29-2021	410	860	90	0	50	0
05-13-2021	08-28-2021	410	860	90	0	50	0

Where

Main Menu / Power / Demand / AESO Outage

Here is the source location - http://ets.aeso.ca/ets_web/ip/Market/Reports/CSDReportServlet

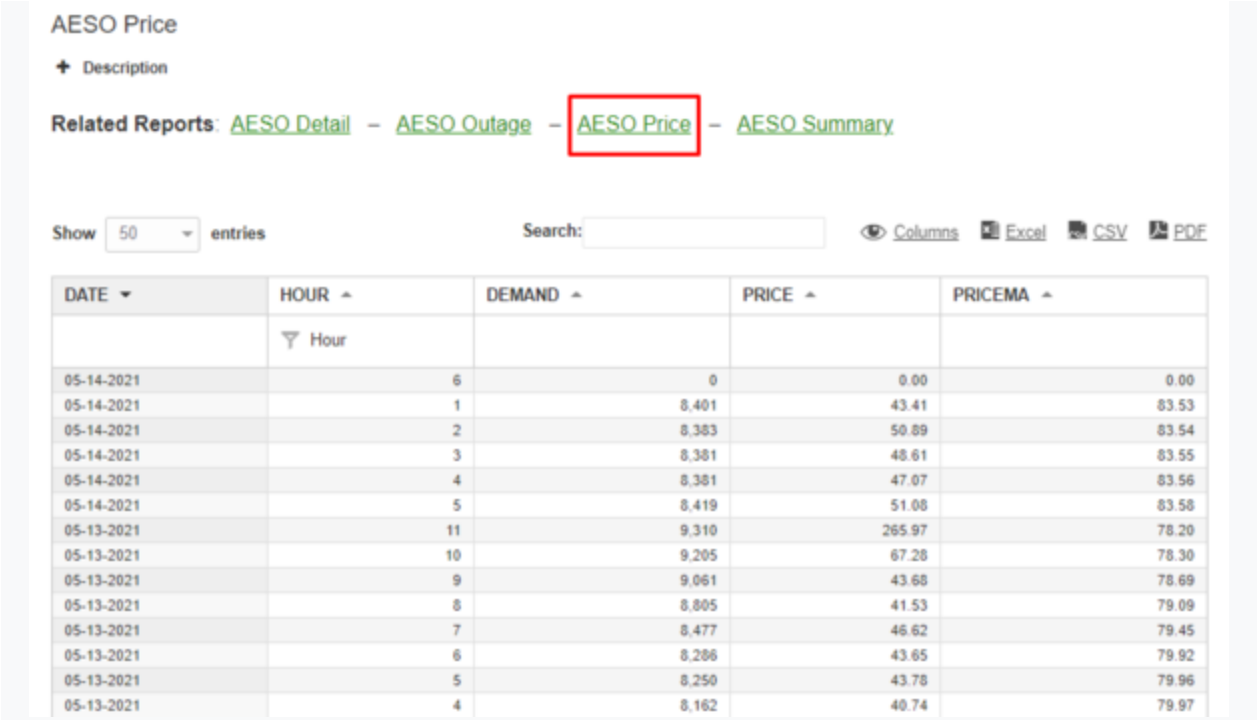
Why

A list of AESO outages in detailed form.

What

- Filter by date and look for change in MW for either coal, gas, hydro, wind, other, load
- Show or Hide Columns
- Export to Excel or CSV

AESO Price



AESO Price

+ Description

Related Reports: AESO Detail – AESO Outage – AESO Price – AESO Summary

Show 50 entries Search: Columns Excel CSV PDF

DATE	HOUR	DEMAND	PRICE	PRICEMA
	Hour			
05-14-2021	6	0	0.00	0.00
05-14-2021	1	8,401	43.41	83.53
05-14-2021	2	8,383	50.89	83.54
05-14-2021	3	8,381	48.61	83.55
05-14-2021	4	8,381	47.07	83.56
05-14-2021	5	8,419	51.08	83.58
05-13-2021	11	9,310	265.97	78.20
05-13-2021	10	9,205	67.28	78.30
05-13-2021	9	9,061	43.68	78.69
05-13-2021	8	8,805	41.53	79.09
05-13-2021	7	8,477	46.62	79.45
05-13-2021	6	8,286	43.65	79.92
05-13-2021	5	8,250	43.78	79.96
05-13-2021	4	8,162	40.74	79.97

Where

Main Menu / Power / Demand / AESO Price

Here is the source location - http://ets.aeso.ca/ets_web/ip/Market/Reports/CSDReportServlet

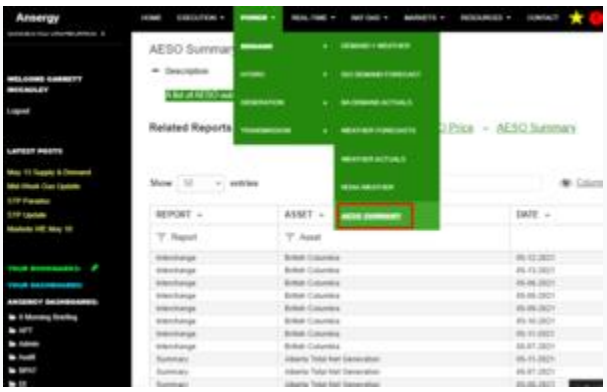
Why

A list of AESO Prices in detailed form.

What

- Filter by hour to view demand, price and price ma
- Show or Hide Columns
- Export to Excel or CSV

AESO Summary



Where

[Main Menu / Power / Demand / AESO Summary]

Why

A list of AESO outages.

What

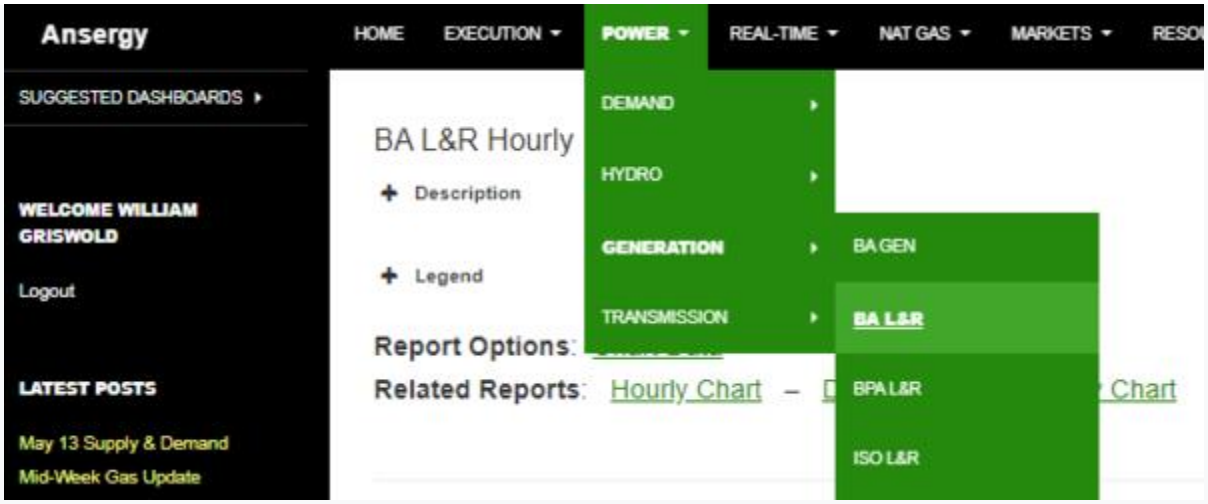
- Filter by report type; either Interchange or Summary
- Select Asset location
- Value is in MW
- Show or Hide Columns
- Export to Excel or CSV

BA L&R

Contents

Where

Main Menu / Power / Generation / BA L&R



Menu Location

What

Balancing Authority Loads and Resources (BA L&R). This report contains graphs and tables displaying balancing authority actuals by fuel type from the EIA. Prices are LMP sourced by the ISO. Data is available in Hourly, Daily, and Weekly aggregations. Select a balancing authority or an aggregation of BAs from the dropdown box to display the L&R data.

BA	<>	Interior	MidC	NoCal	NW	Palo	Rockies	SoCal	SP15	SW	WECC
APS		1				1				1	1
Avista			1		1						1
BPA			1		1						1
Chelan			1		1						1
Douglas			1		1						1
ElPaso		1					1				1
Grant			1		1						1
Idaho		1			1		1				1
IID								1			1
LDWP								1			1
NaturEner_WW	1				1						1
NCPA				1							1
Nevada		1								1	1
Northwestern		1			1		1				1
PacEast		1					1				1
PacWest			1		1						1
PG&E				1							1
PNM		1					1			1	1
Portland Gen			1		1						1
PSC		1					1				1
Puget			1		1						1
SaltRiver		1				1				1	1
SCE								1	1		1
SDGE								1	1		1
Seattle			1		1						1
Tacoma			1		1						1
Tucson		1				1				1	1
Turlock				1							1
WAPA LC		1				1				1	1
WAPA RM		1					1				1
WAPA UP		1					1				1

Balancing Authority Mapping

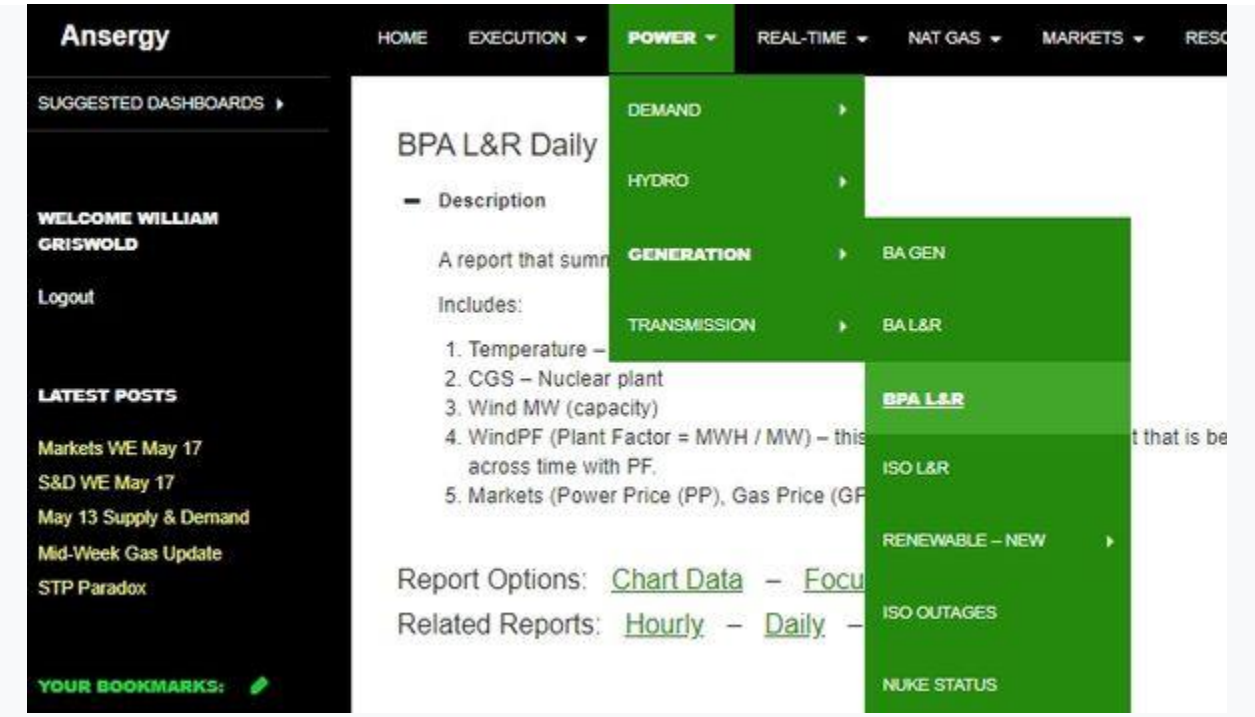
BA L&R Fields

-
  - **Coal**: Includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
  - **Natgas:**
  - **Oil:**
  - **Thermal:**
  - **Other:** Includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
  - **Nuke:**
  - **Hydro:**
  - **Solar:**
  - **Wind:**
  - **Renew: I**ncludes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass
  - **Netgen**:
  - **Net IntrChg**:

BPA L&R

Where

Main Menu / Power / Generation / BPA L&R



Menu Location

What

BPA Loads and Resources (BPA L&R). This report contains graphs and tables displaying BPA actuals by fuel type. Data is available in Hourly, Daily, and Weekly aggregations. Select an hour type and an aggregation type (average, minimum, maximum) from the dropdown boxes to display the L&R data.

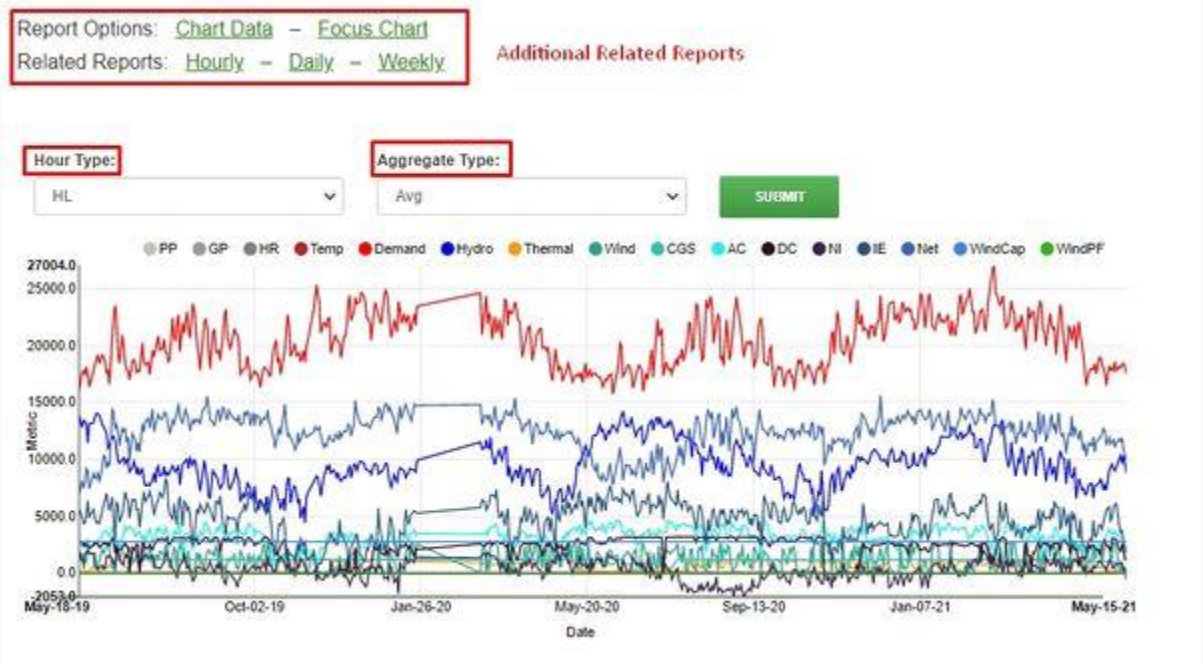


Chart Details

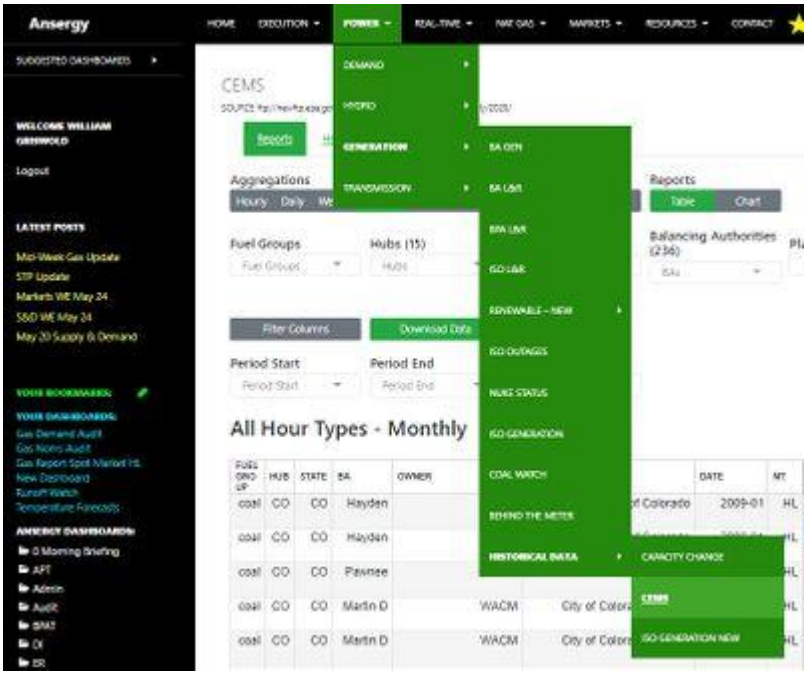
BPA L&R Fields

- Temperature – based on Portland OR
- CGS – Nuclear plant at Columbia Generating Station
- Wind MW (capacity)
- WindPF (Plant Factor = MWH / MW) – this measures the % of the plant that is being used to generate energy. Now, you can compare BPA wind across time with PF.
- Markets (Power Price (PP), Gas Price (GP), and Heat Rate (HR).

CEMS

Where

Main Menu / Power / Generation / Historical Data / CEMS



What

The EPA (Environmental Protection Agency) provides Continuous Emissions Monitors (CEMS) data publicly. Ansergy captures this data and presents it in an easy to read format.

CEMS is EPA's power plant database of hourly data and includes the following unit-level data:

- History – full hourly starting on January 1, 2009 through March 31, 2019. EPA updates CEMS once a quarter, about 30 days following the expiry of the Q.
- Energy – hourly MWH by generating unit; our WECC CEMS has 680 coal and gas-fired units reflecting around 60,000 MWs of capacity.
- Fuel Burn – both hourly coal and gas burn measured in MMBtu.
- Emissions – SOX, NOX, and CO2
- Rates – SOX/MWh, NOX/MWh, CO2/MWh
- Heat Rates

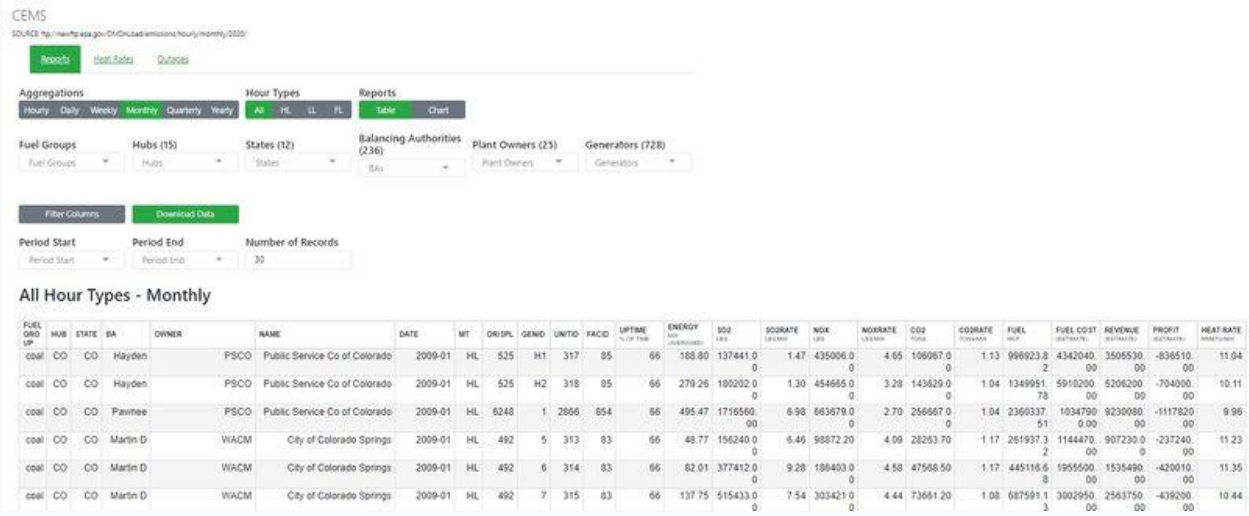


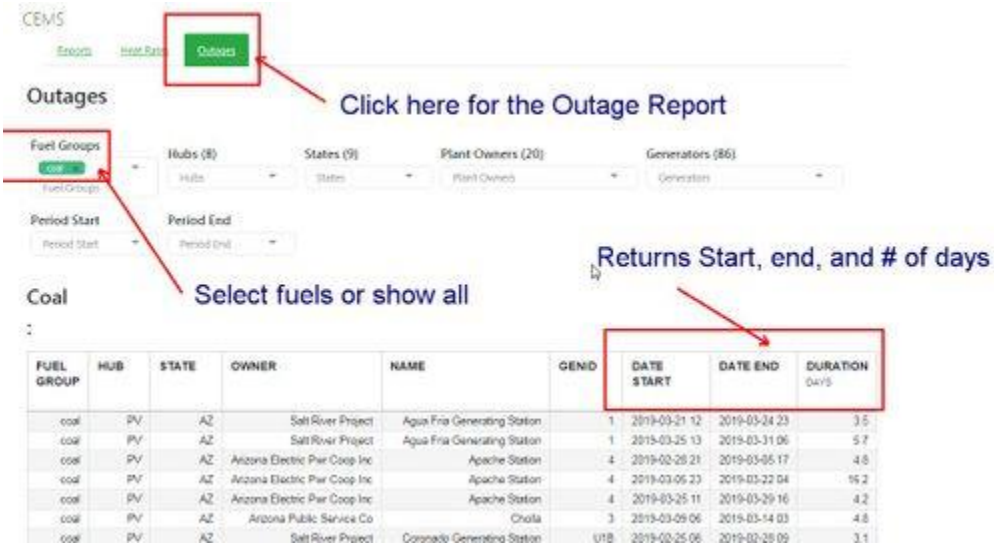
Table Depiction

Report Types

Heat Rates

CEMS is the only source for actual heat rates. Ansergy has made it easy to pull these with its canned heat rate report. With a click, you can see summer, winter, or melded heat rates computed from actual gas burn and generation since 2009. You can also derive other heat rates like Ramp Up heat rates.

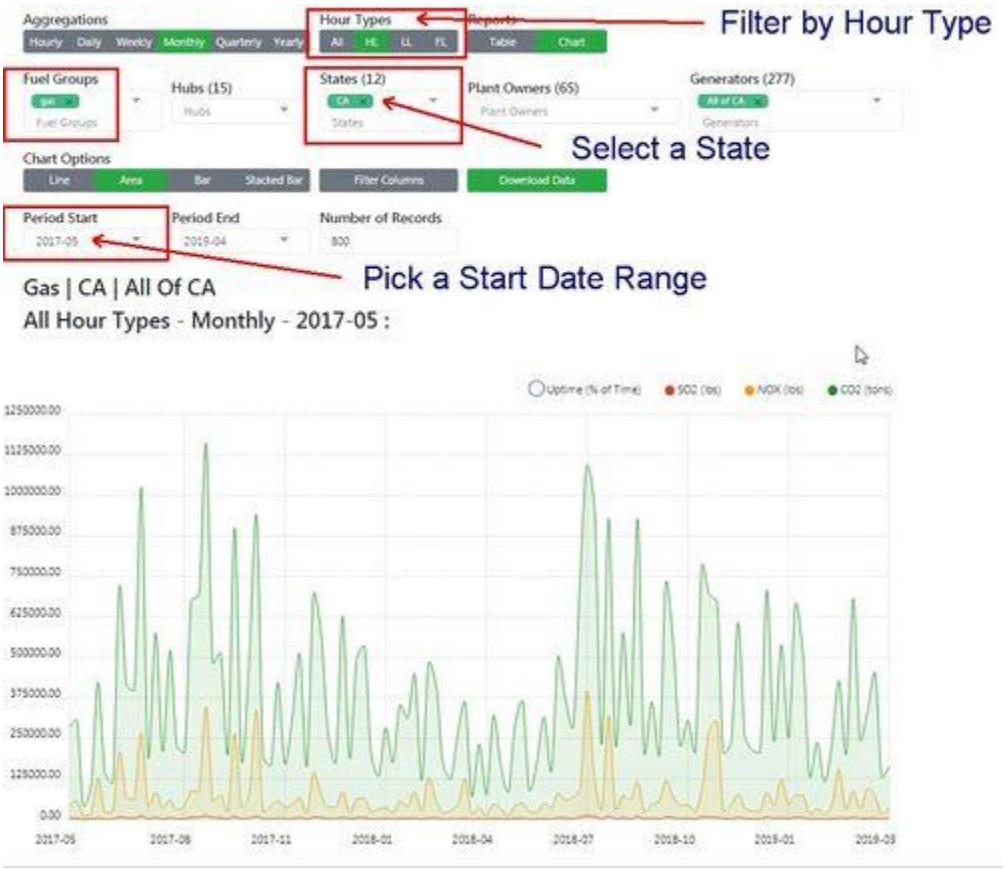
Outages



Another energy mystery are outages; only the NERC and the plant owners have the true outages … and users of CEMS. Ansergy has compiled lists of all unit outages greater than 2 Days.

In the above example, we filtered out the coal units and get a list of every outage greater than 2 days since 2009. Look for repetitive outages of similar duration to back into planned outages, or compute your own forced outage rates.

CEMS Emissions



Each unit returns its hourly SOX, NOX, and CO2. You can then compile emission rates either by fuel (MMBTU) or energy (MWH). In the above example, California SOX, NOX, and CO2 are plotted and aggregated by month for the HL hours. Use the standard charting filters to make changes.

COE Flows

Current Stream Flows

+ Description

+ Legend

Historical Charts – Current Charts

Search: Columns CSV PDF

METRIC	DAM	FULL	CUR	1D	1W	2W	1M	1Y	2Y	DELTA
Metric	Dam									
CFS gen	Albeni Falls	2,062	17,552	16,191	1,087,058	15,787,500	15,519	13,914	13,914	3,638.00
Forebay	Albeni Falls	2,062	2,049	2,050	2,050	2,050	2,049	2,050	2,050	-0.63
CFS spill	Albeni Falls	2,062	0	0	0	0	3,271	0	0	0.00
CFS gen	Bonneville	77	173,140	179,995	12,973,883	182,737,500	199,195	208,458	208,458	-35,318.00
Forebay	Bonneville	77	73	72	73		74	73	73	0.52
CFS spill	Bonneville	77	640	610	529	525,000	527	768	768	-128.00
CFS gen	Chief Joseph	956	140,695	122,150	7,333,362	111,466,667	124,318	132,579	132,579	8,116.00
Forebay	Chief Joseph	956	953	952	952	952	952	952	952	0.56
CFS spill	Chief Joseph	956	6,245	340	0		0	0	0	6,245.00
CFS gen	Dworshak	1,601	1,505	1,523	134,782	1,579,167	2,414	1,500	1,500	5.00
Forebay	Dworshak	1,601	1,533	1,533	1,532	1,531	1,530	1,521	1,521	11.78
CFS spill	Dworshak	1,601	0	0	0	0	0	0	0	0.00
CFS gen	Grand Coulee	1,292	145,678	129,105	11,005,662	115,954,167	124,268	131,930	131,930	13,748.00
Forebay	Grand Coulee	1,292	1,278	1,279	1,280	1,280	1,285	1,272	1,272	6.47
CFS spill	Grand Coulee	1,292	0	0	0	0	0	0	0	0.00
CFS gen	Hungry Horse	3,561	7,371	5,377	421,267	5,695,833	3,824	4,476	4,476	2,895.00
Forebay	Hungry Horse	3,561	3,536	3,536	3,538	3,540	3,546	3,532	3,532	3.96
CFS spill	Hungry Horse	3,561	0	0	0	0	0	0	0	0.00
CFS gen	Ice Harbor	440	29,705	31,073	2,066,979	29,191,667	28,676	45,129	45,129	-15,424.00
Forebay	Ice Harbor	440	438	439	438		438	438	438	0.11
CFS spill	Ice Harbor	440	0	0	0	0	0	0	0	0.00
CFS gen	John Day	268	171,753	170,295	17,569,612	173,408,333	176,332	204,040	204,040	-32,287.00
Forebay	John Day	268	263	264	263		264	263	263	0.24

Where

[Main Menu / Power / Hydro / River Conditions / COE Flows]

Why

Recap of NW COE hourly project data including QG (generation discharge), QS (spill), and HF (forebay). Click the current chart icon to view the last 90 days of hourly project data; click the historical chart icon to view the last six years of weekly average project data.

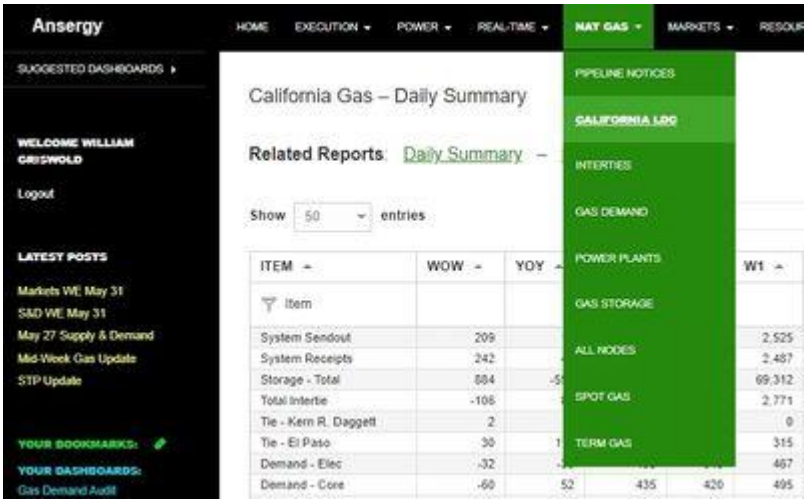
What

- Filter metric; CFS Generation, Forebay, CFS Spill
- Variable zoom option available at the bottom of the chart
    - 1D – One Day Ago 1W – One Week Ago 2W – Two Weeks Ago 1M – One Month Ago 1Y – One Year Ago 2Y – Two Years Ago Delta – Current minus One Year Ago

California Gas Daily Summary

Where

Main Menu / Natural Gas / California Gas Daily Summary



What

This report contains a detailed summary of various pieces of gas pipeline-related data from both PGE and SoCal Gas. Information includes Intertie flow data, Storage, Production, and Demand. All numbers shown are in MMBTU units.

California Gas – Daily Summary

Related Reports: Daily Summary – Daily Chart

Show 50 entries Search: Columns Excel CSV PDF

ITEM	WOW	YOY	CUR	D1	W1	Y1	Y2	Y3	LOC	GROUP
Item									Loc	GROUP
System Sendout	209	19	2,734	2,761	2,525	2,715	2,461	2,168	PGE	System
System Receipts	242	45	2,729	2,895	2,487	2,684	2,595	2,226	PGE	System
Storage - Total	884	-557	70,196	70,196	69,312	70,753	56,540	71,861	PGE	System
Total Intertie	-106	89	2,665	2,726	2,771	2,576	2,652	2,712	PGE	System
Tie - Kern R. Daggett	2	2	2	2	0	0	3	15	PGE	Intertie
Tie - El Paso	30	118	345	348	315	227	377	301	PGE	Intertie
Demand - Elec	-32	-39	435	345	467	474	78	259	PGE	Demand
Demand - Core	-60	52	435	420	495	383	439	374	PGE	Demand
Demand - Ind	-20	6	680	650	700	674	738	670	PGE	Demand
Tie - GTNW	-52	-183	1,335	1,336	1,387	1,518	1,430	1,687	PGE	Intertie
Tie - Ruby	-32	87	709	745	741	622	546	343	PGE	Intertie
Tie - Transwestern	-54	67	271	271	325	204	290	324	PGE	Intertie
Tie - Kern HDL	0	0	0	21	0	0	0	35	PGE	Intertie
Tie - Southwest Gas	0	-2	3	3	3	5	6	7	PGE	Intertie
Tie - Southern Trails	0	0	0	0	0	0	0	0	PGE	Intertie
Storage - PG&E	-191	132	132	0	323	0	0	38	PGE	Storage
Storage - Lodi	6	313	347	0	341	34	0	83	PGE	Storage

Table Depiction

Image 1: Receipt Points & Transmission Zone Firm Capacities

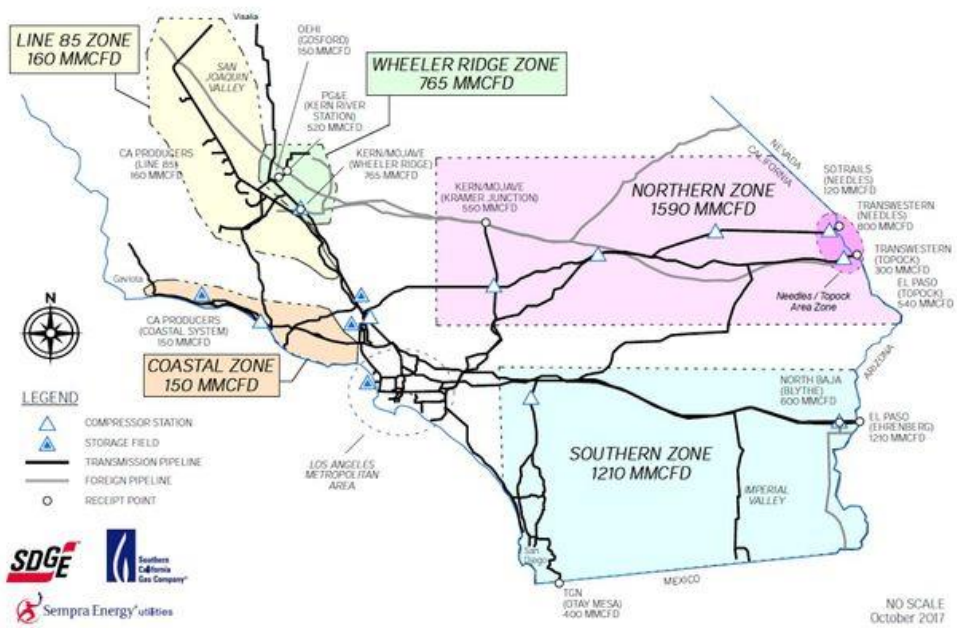


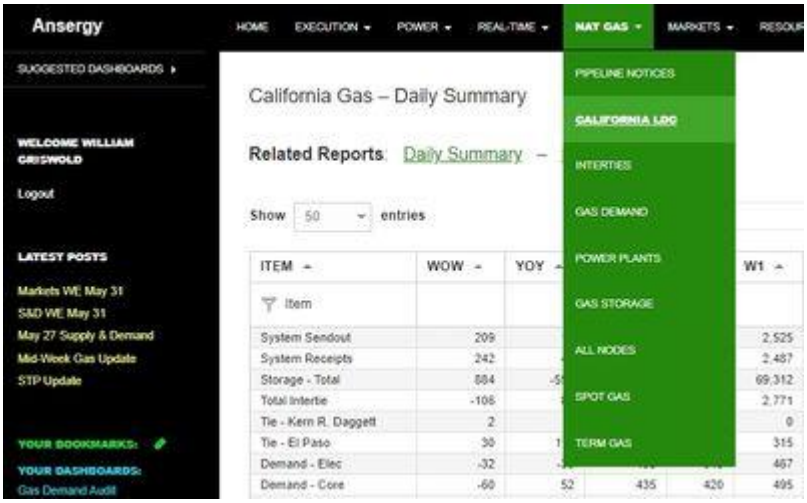
Image source: www.socalgas.com

California Gas – Daily Chart

Where

Main Menu / Natural Gas / California Gas Daily Chart

This report is found as a link from within the California Daily Summary report.



What

Related to the California Daily Summary report, this report charts items from the Summary into a 365-day image. This data is presented in MCF and includes daily tallies as well as a line showing how the most recent day compares to those over the last year (as shown in red).

Chart data is available as linked near the top of the page.

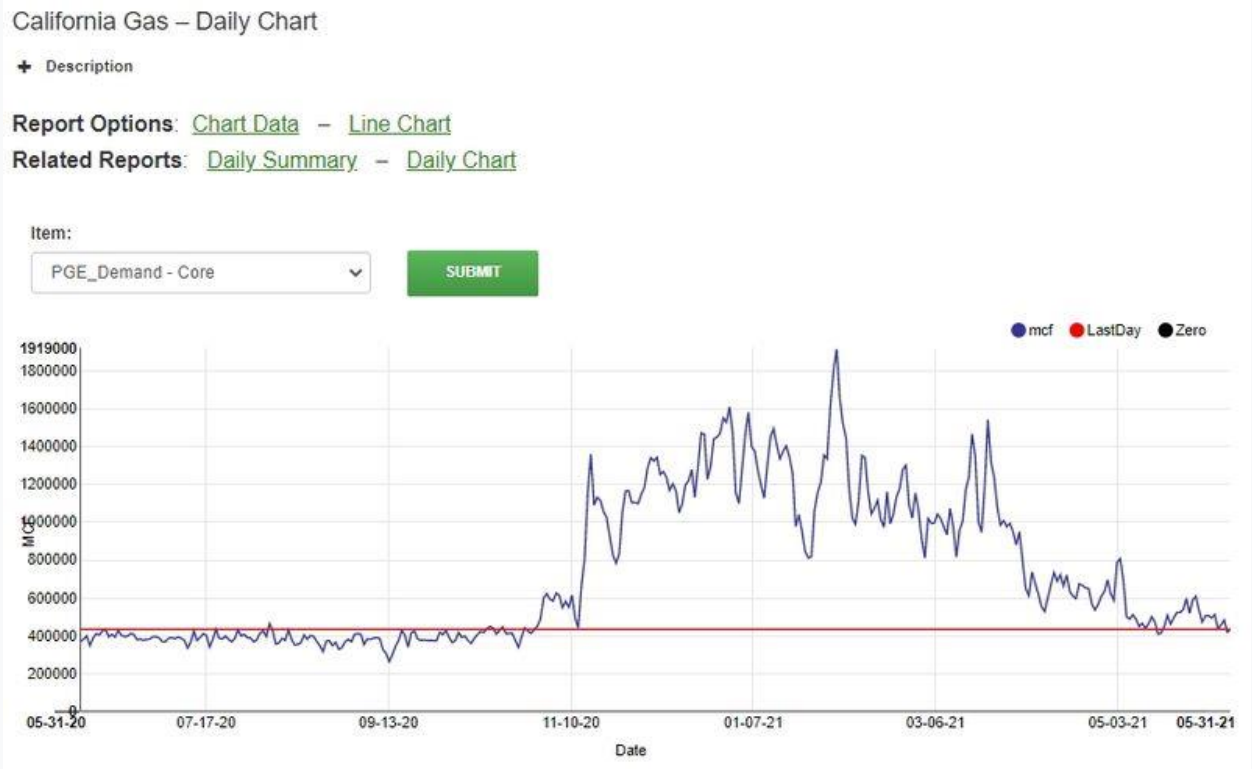


Chart Depiction

Image 1: Receipt Points & Transmission Zone Firm Capacities

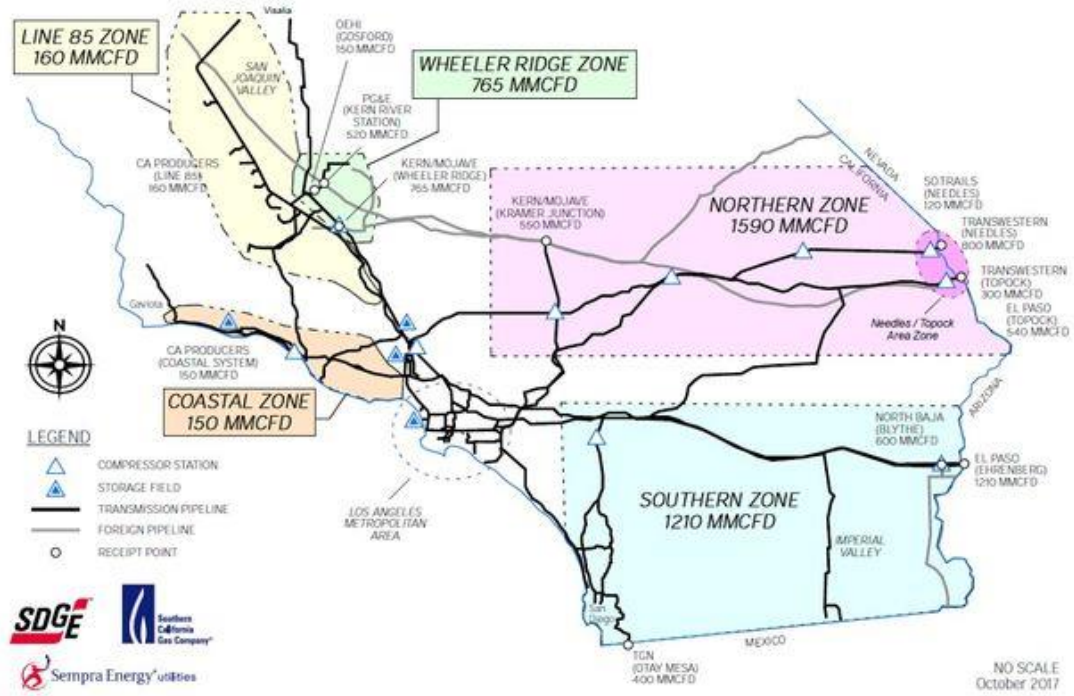
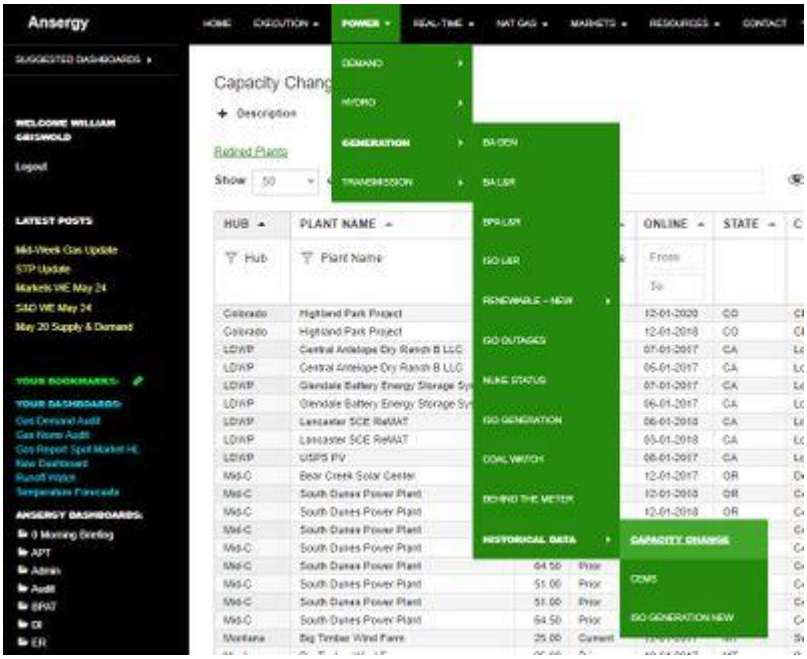


Image source: www.socalgas.com

Capacity Change – Planned

Where

Main Menu / Power / Generation / Historical Data / Capacity Change



What

This report displays the changes in the most recent EIA 860 Monthly capacity update.

- Current – most recent month (typically delayed about 60 days)
- Prior – the month preceding Current

Only records that have changed from the prior month are included. Changes could be Online Date, Capacity (MW), Status, or Owner. New additions will have no Prior; a Prior with no Current means a dropped plant.

Capacity Change – Planned

+ Description

Retired Plants

Show 50 entries Search: Columns Excel CSV PDF

HUB	PLANT NAME	MW	TYPE	ONLINE	STATE	COUNTY	GENID	BA	OWNER	TECHNOLOGY	FUEL	PM	STATUS
Hub	Plant Name		Type	From To				BA		Technology	Fuel	PM	Status
Colorado	Highland Park Project	158.00	Current	12-01-2020	CO	Clear Creek	HPWT	PSCO	Clear Creek Power	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated
Colorado	Highland Park Project	158.00	Prior	12-01-2018	CO	Clear Creek	HPWT	PSCO	Clear Creek Power	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated
LDWP	Central Antelope Dry Ranch B LLC	3.00	Current	07-01-2017	CA	Los Angeles	CADRB	CISO	Sustainable Power Group, LLC	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
LDWP	Central Antelope Dry Ranch B LLC	3.00	Prior	05-01-2017	CA	Los Angeles	CADRB	CISO	Sustainable Power Group, LLC	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
LDWP	Glendale Battery Energy Storage System	2.00	Current	07-01-2017	CA	Los Angeles	2BESS	LDWP	City of Glendale - (CA)	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete
LDWP	Glendale Battery Energy Storage System	2.00	Prior	06-01-2017	CA	Los Angeles	2BESS	LDWP	City of Glendale - (CA)	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete
LDWP	Lancaster SCE ReMAT	3.00	Current	06-01-2018	CA	Los Angeles	PV1	CISO	SolarCity Corporation	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
LDWP	Lancaster SCE ReMAT	3.00	Prior	03-01-2018	CA	Los Angeles	PV1	CISO	SolarCity Corporation	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated
LDWP	USPS PV	10.70	Current	06-01-2017	CA	Los Angeles	USPS1	CISO	USPS LA Solar FIT A & B	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete
Mid-C	Bear Creek Solar Center	10.00	Current	12-01-2017	OR	Deschutes	BCRSC	PACW	Bear Creek Solar Center, LLC	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction
Mid-C	South Dunes Power Plant	64.50	Prior	12-01-2018	OR	Coos	CT-4	PACW	Jordan Cove Energy Project LP	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction
Mid-C	South Dunes Power Plant	64.50	Prior	12-01-2018	OR	Coos	CT-1	PACW	Jordan Cove Energy Project LP	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction
Mid-C	South Dunes Power Plant	64.50	Prior	12-01-2018	OR	Coos	CT-3	PACW	Jordan Cove Energy Project LP	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction
Mid-C	South Dunes Power Plant	64.50	Prior	12-01-2018	OR	Coos	CT-5	PACW	Jordan Cove Energy Project LP	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction
Mid-C	South Dunes Power Plant	64.50	Prior	12-01-2018	OR	Coos	CT-6	PACW	Jordan Cove Energy Project LP	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction

Table Depiction

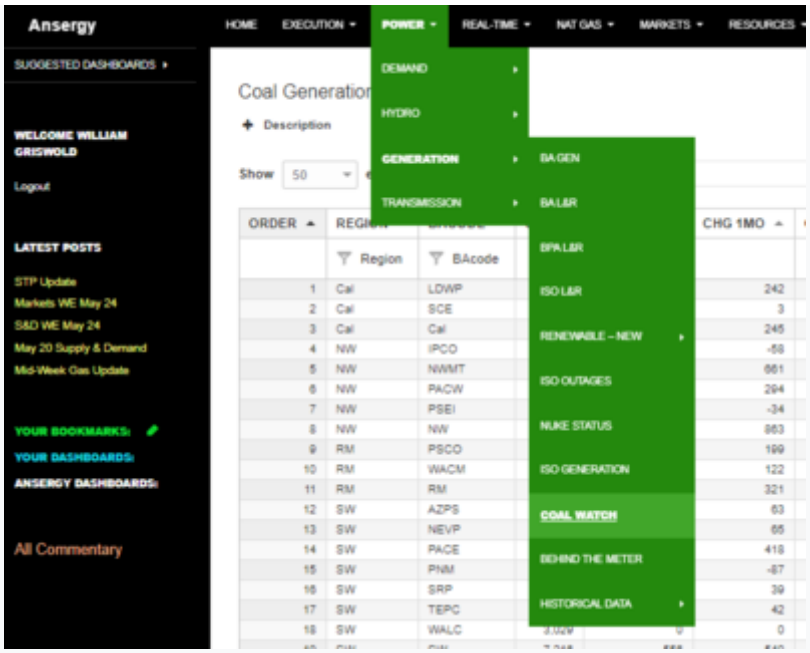
Capacity Change Fields

- **Hub:** The hub associated with the corresponding Plant Name
- **Plant Name:** The plant name as assigned by the EIA
- **MW:** Generating capacity of the plant
- **Type:** The type of change being noted (Current – most recent month (typically delayed about 60 days; Prior – the month preceding Current)
- **Online:** The date that the plant came online
- **State:** State in which the plant is located
- **County:** County in which the plant is located
- **GenID:** The GenID assigned by the EIA
- **BA:** The balancing authority associated with the corresponding Plant Name
- **Owner:** The listed owner of the plant as shown by the EIA
- **Technology:** The type of fuel/source of power used by the plant
- **Fuel:** Abbreviated fuel type
- **PM:** Prime Mover abbreviation
- **Status:** The current status of the plant (Operational, Cancelled etc)

Coal Watch

Where

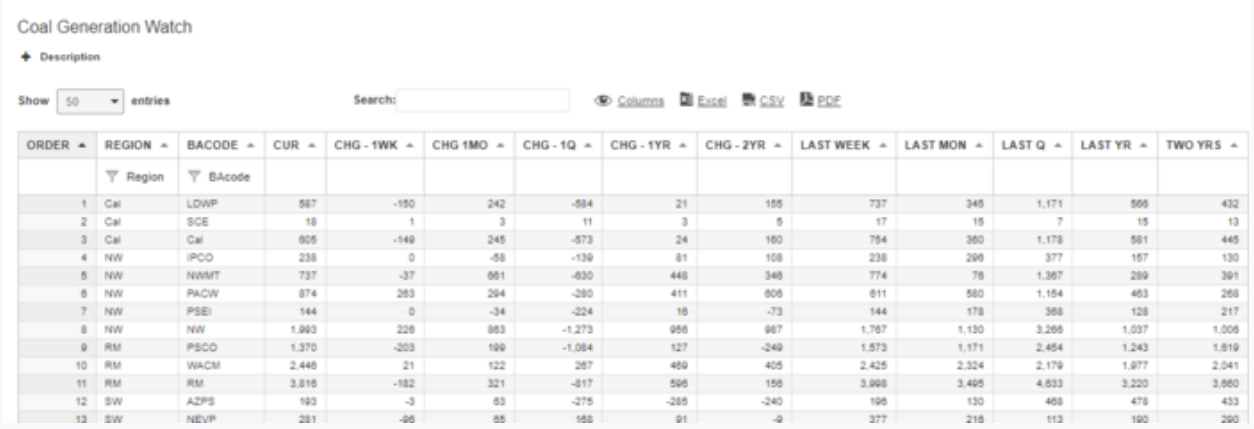
Main Menu / Power / Generation / Coal Watch



Menu Location

What

This report summarizes the change in coal generation as sourced by EIA. Utilizing this report can effectively allow a user to monitor coal outages across the WECC.



Coal Generation Watch

Description

Show 50 entries Search: Columns Excel CSV PDF

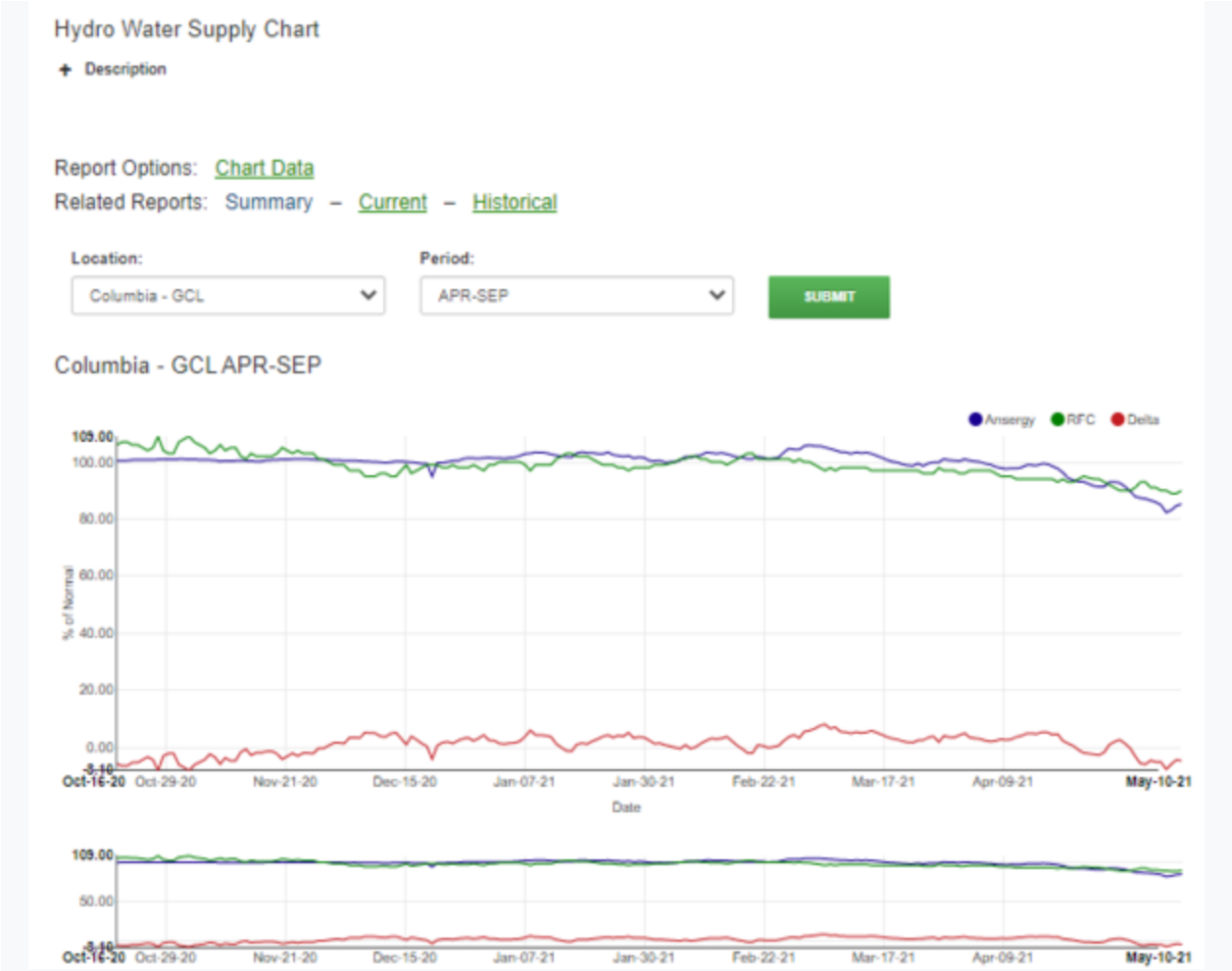
ORDER	REGION	BACODE	CUR	CHG - 1WK	CHG 1MO	CHG - 1Q	CHG - 1YR	CHG - 2YR	LAST WEEK	LAST MON	LAST Q	LAST YR	TWO YRS
	Region	BAcode											
1	Cal	LDWP	587	-150	242	-584	21	155	737	345	1,171	566	432
2	Cal	SCE	18	1	3	11	3	5	17	15	7	15	13
3	Cal	Cal	605	-149	245	-573	24	160	754	360	1,178	581	445
4	NW	IPCO	238	0	-58	-139	81	108	238	296	377	157	130
5	NW	NWMT	737	-37	661	-630	448	346	774	76	1,367	289	391
6	NW	PACW	874	263	294	-280	411	606	611	580	1,154	463	268
7	NW	PSEI	144	0	-34	-224	16	-73	144	178	368	128	217
8	NW	NW	1,993	226	863	-1,273	956	987	1,767	1,130	3,266	1,037	1,006
9	RM	PSCO	1,370	-203	199	-1,084	127	-249	1,573	1,171	2,454	1,243	1,619
10	RM	WACM	2,446	21	122	267	469	405	2,425	2,324	2,179	1,977	2,041
11	RM	RM	3,816	-182	321	-817	596	156	3,998	3,495	4,633	3,220	3,660
12	SW	AZPS	193	-3	63	-275	-285	-240	196	130	468	478	433
13	SW	NEVP	281	-96	65	168	91	-9	377	216	113	190	290

Table Details

Coal Watch Table Fields

- **Region**: Higher level aggregation for coal plant location (ie, Northwest, California, WECC, etc.)
- **BACode**: The balancing authority for an associated coal plant
- **Cur**: The current amount of MWs being generated within a respective balancing authority
- **Chg - 1WK**: The difference between Current MWs and the MWs from One Week ago
- **Chg - 1MO**: The difference between Current MWs and the MWs from One Month ago
- **Chg - 1Q**: The difference between Current MWs and the MWs from One Quarter ago
- **Chg - 1Yr**: The difference between Current MWs and the MWs from One Year ago
- **Chg - 2Yr**: The difference between Current MWs and the MWs from Two Years ago
- **Last Week**: The amount of MWs being generated One Week ago
- **Last Mon**: The amount of MWs being generated One Month ago
- **Last Q**: The amount of MWs being generated One Quarter ago
- **Last Yr**: The amount of MWs being generated One Year ago
- **Two Yrs**: The amount of MWs being generated Two Years ago

Current Water Supply



Where

[Main Menu / Power / Hydro / Water Supply / Water Supply / Current]

Why

Ansergy freezes water supply around May 10 and resume forecasting in October. The reason for this is because there's no new snow pack, and the water year is already locked in. A chart of this year's water supply compared to the previous six years. Includes a comparison between Ansergy and the RFC's estimates.

What

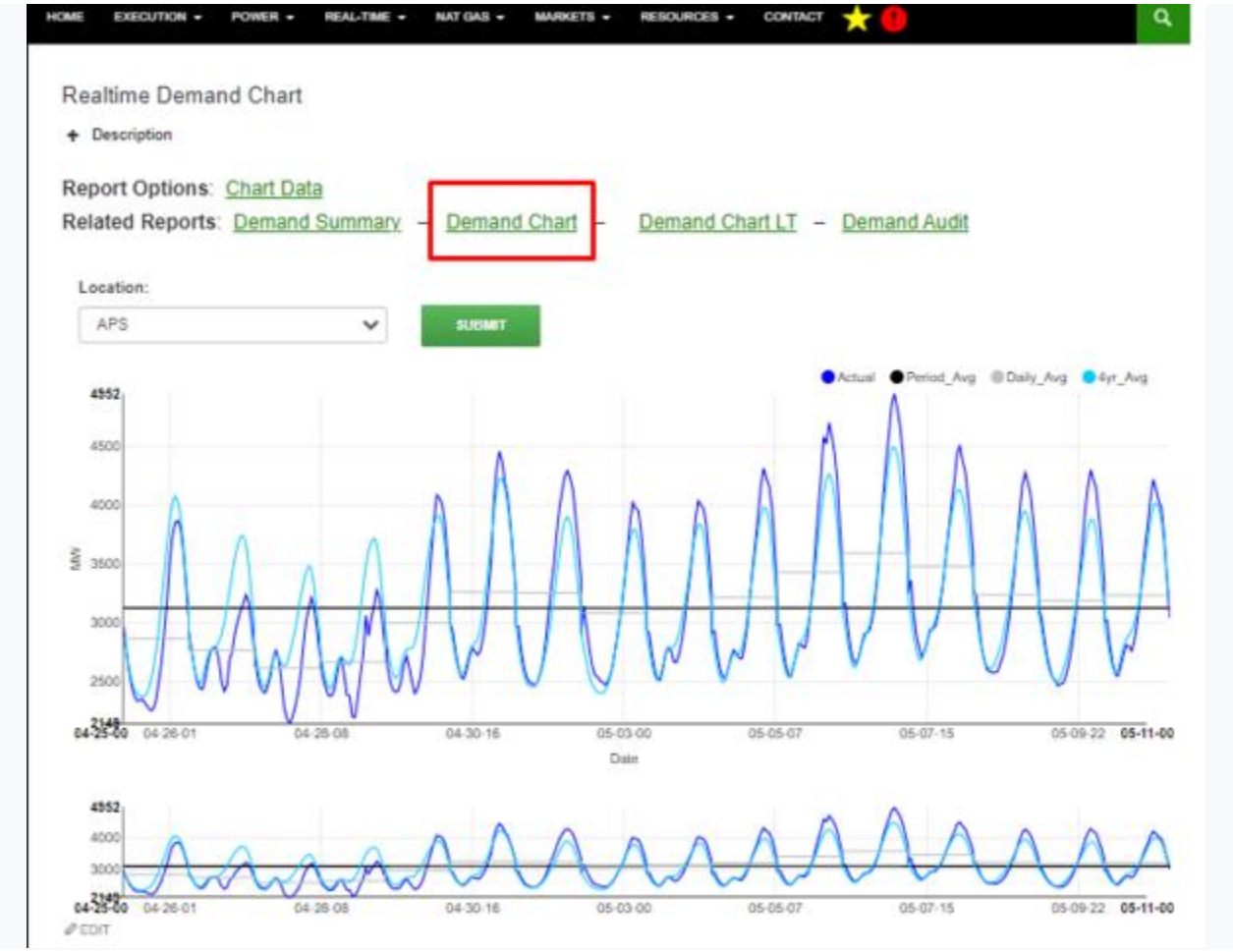
- Select a location and period, then click submit
- Click the colored circle to show or hide a line
- Location - select the rivers you'd like to see in the table
- Period - choose your preferred time period

- Ansergy - Ansergy forecasts an independent water supply number to compare to the River Forecast Center
- RFC - The River Forecast Centers forecast for water supply at a specific river
- Delta - The difference between Ansergy's forecasted water supply vs the River Forecast Center

DEMAND CHART

Where

Main Menu / POWER / BA DEMAND ACTUALS / DEMAND CHART



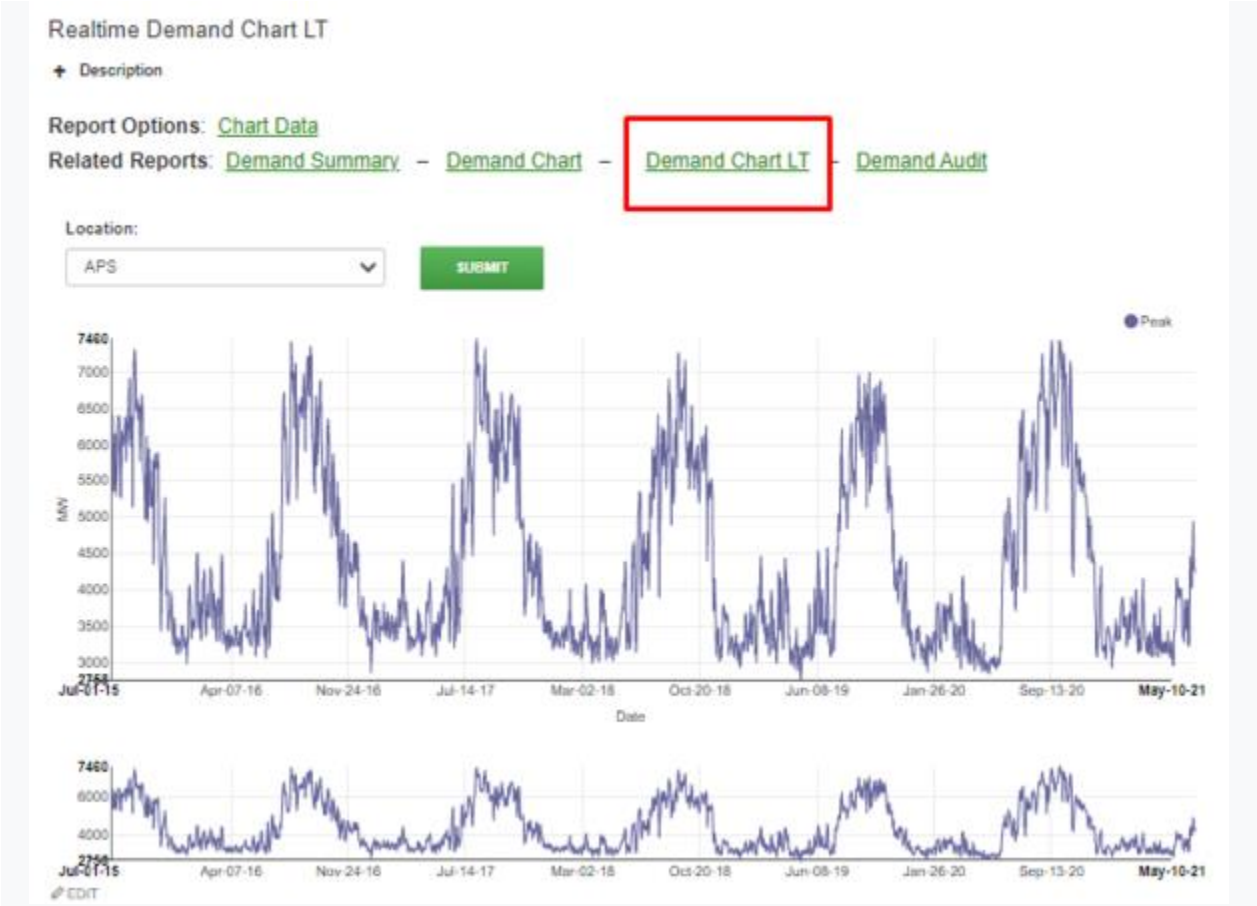
What

- Select location then hit submit
- Compare actuals vs period average vs daily average vs the 4 year average
- Click the colored circle to hide or show data/line
- Focus chart - change date range

DEMAND CHART LT

Where

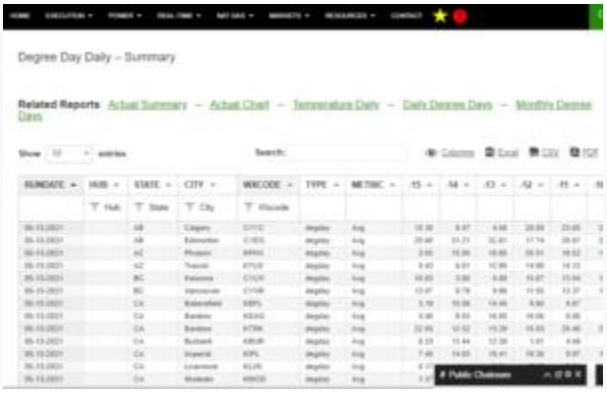
Main Menu / POWER / DEMAND / BA DEMAND ACTUALS / DEMAND CHART LT



What

- Select location then hit submit
- Compare peak demand back 5 years
- Focus line chart - change the range for the data you're looking at

Daily Degree Days



Where

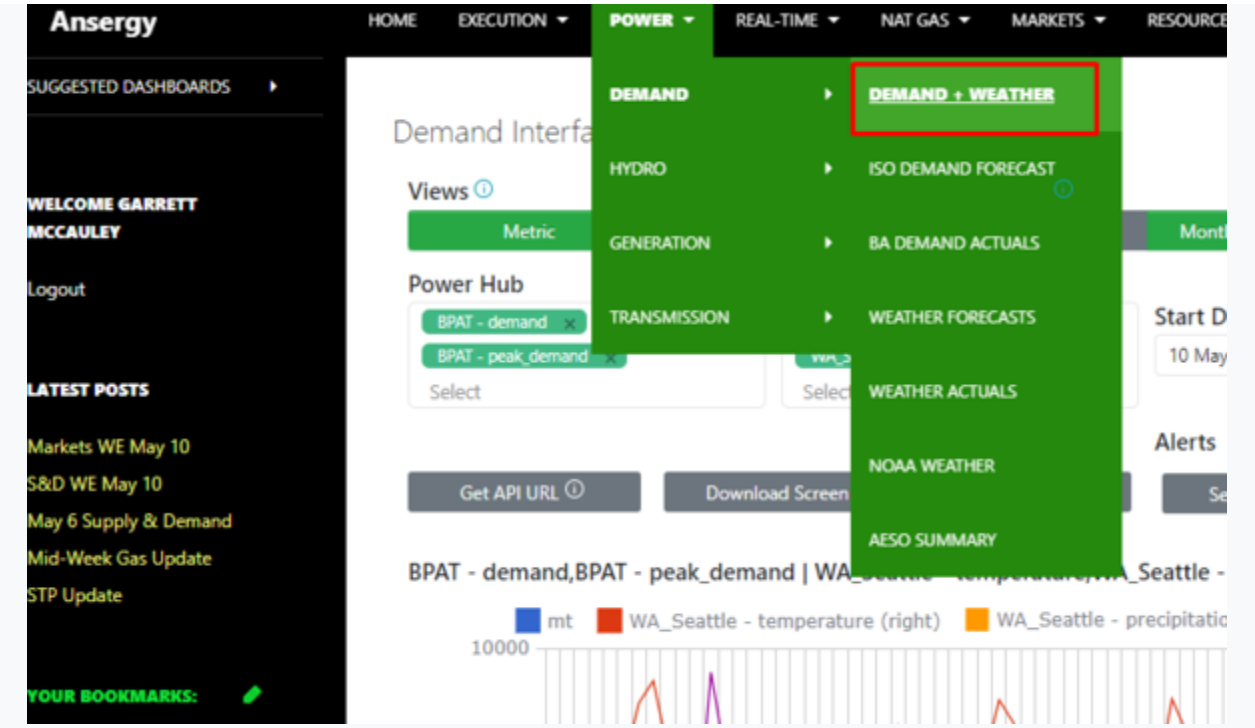
[Main Menu / Power / Demand / Weather Actuals / Daily Degree Days]

What

- Filter by State, City or Wxcode (Weather Code)
- Show or Hide Columns
- Export to Excel, CSV or PDF

Demand+Weather

Demand + Weather Interface



Demand plus Weather

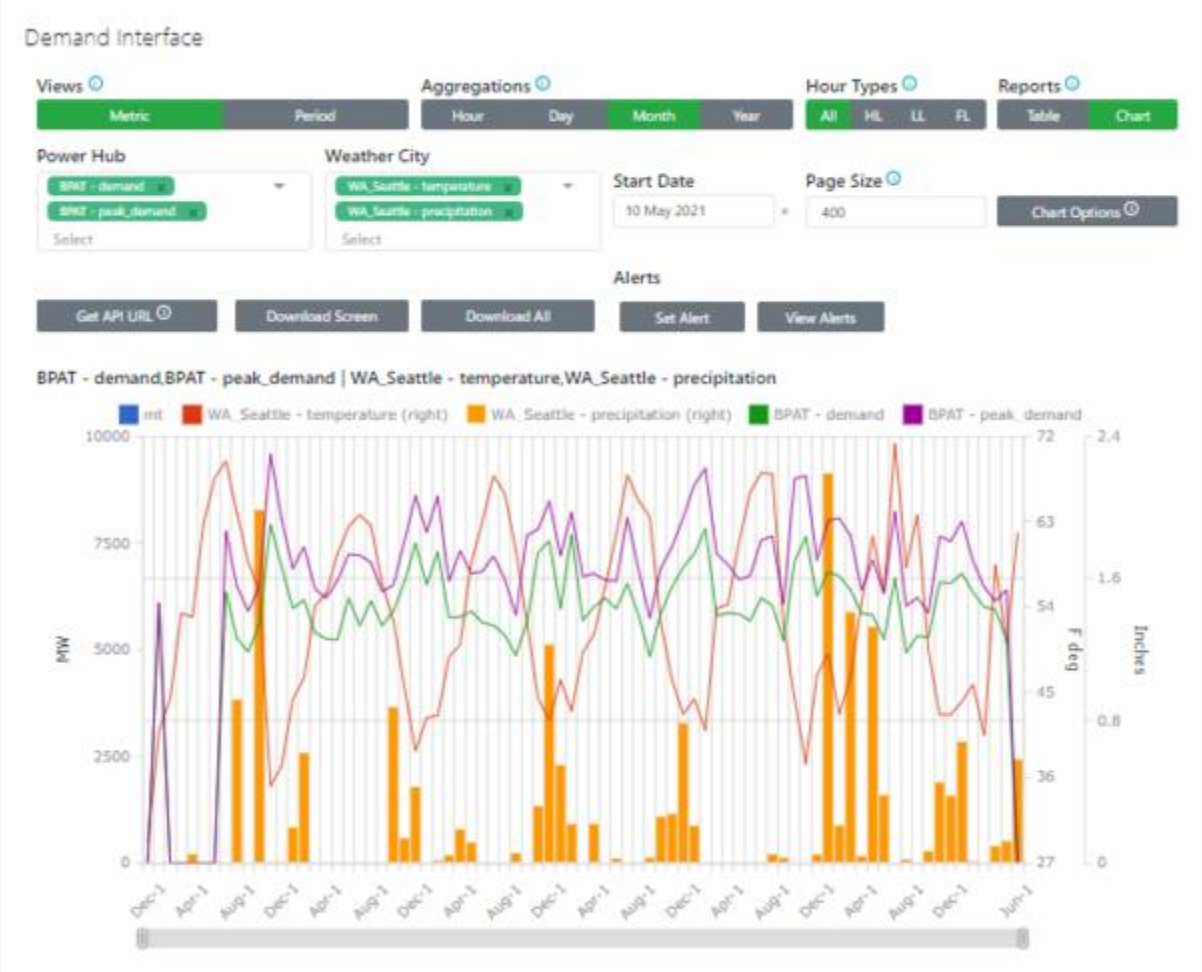
Where

Main Menu / Power / Demand / Demand + Weather

Why

Demand plus Weather is a report that allows you to compare a power hubs demand/peak demand verses a weather city based on temperature, precipitation, degree days, cloud cover, humidity or wind speed.

What



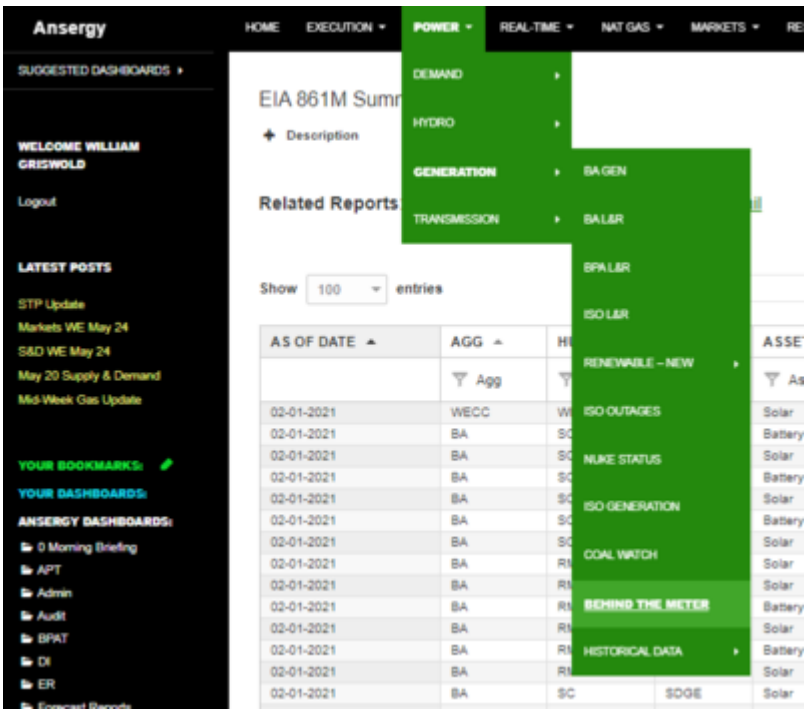
D+W

- Views - Metric/Period
- Aggregations - Hour/Day/Month/Year
- Hour Types - All/HL/LL/FL
- Reports - Table/Chart
- Power Hub - Demand/Peak Demand
- Weather City - Temperature/Precipitation/Degree Days/Cloud Cover/Humidity/Wind Speed
- Start Date
- Page Size - Increase or decrease page size to add or subtract days on the chart
- Chart Options - Change chart axes - Left/Right and add description or Show/Hide columns
- Add to an API by clicking the API URL link (may have to contact Ansergy's developers to implement)
- Download Screen - Download data shown in chart
- Set Alert - Create an alert when the data hits a set parameter (see Set Alert Help)

EIA 861M Detail

Where

Main Menu / Power / Generation / EIA 861M Detail This report link can be found within the 861M Summary report.



What

A more detailed snapshot of aggregated generation data from the EIA 861M table. The plants are aggregated into Hubs, Balancing Authorities, and assets (fuels). This table depicts the change in generation from the previous EIA update to the current update.

The Form EIA-861M “Monthly Electric Power Industry Report” collects sales of electricity and associated revenue, each month, from a statistically chosen sample of electric utilities in the United States. The respondents to the Form EIA-861M are chosen from the Form EIA-861, “Annual Electric Power Industry Report.” Methodology is based on the “Annual Electric Utility Report.”

EIA 861M Detail

+ Description

Related Reports: EIM 861M Summary – EIM 861M Detail

Show 100 entries Search: Columns Excel CSV PDF

RUN DATE	AGG	NEW	PER ID	YEAR	MONTH	DATE	HUB	BA	UTES	ASSET	METRIC	USER	VALUE
	Agg	New	Per ID	Year	Month		Hub	BA		Asset	Metric	User	
05-25-2021	WECC	0	50	2,017	1	01-01-2017	WECC	WECC	49	Solar	MW	Tra	1
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	Customers	Ind	92
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	Customers	Res	6,948
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	Customers	Tot	7,266
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	MW	Com	5
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	MW	Ind	8
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	MW	Res	51
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	IPCO	2	Solar	MW	Tot	64
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	2	Battery	Customers	Res	819
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	2	Battery	Customers	Tot	820
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	1	Battery	MW	Ind	0
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	3	Battery	MW	Res	1,229
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	2	Battery	MW	Tot	6
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	3	Solar	Customers	Com	2,015
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	2	Solar	Customers	Ind	108
05-25-2021	BA	1	1	2,021	2	02-01-2021	GB	NEVP	4	Solar	Customers	Res	64,838

Table Depiction

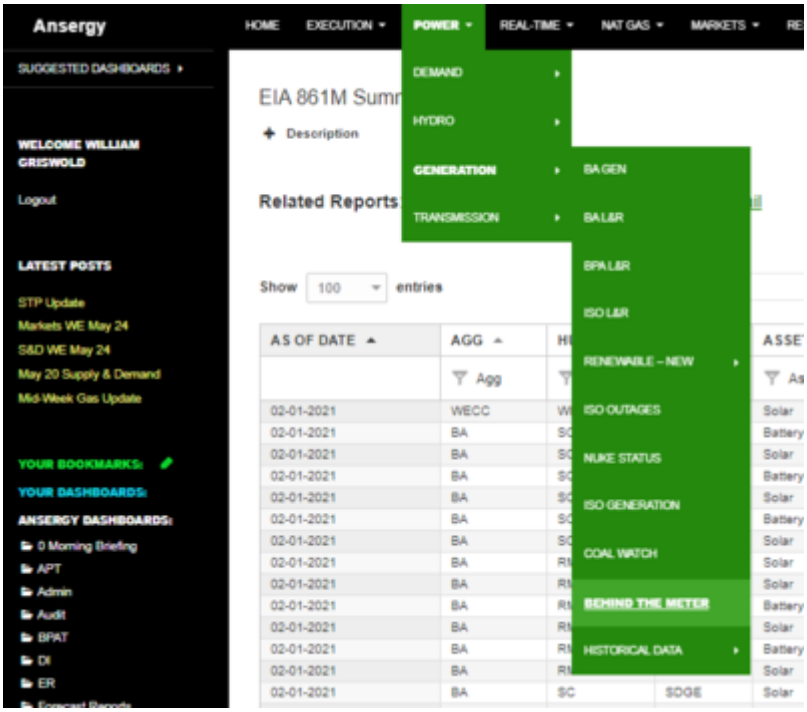
EIA 861M Detail Fields

- **Run Date:** The date in which the report was last updated
- **Agg**: The level of aggregation being displayed
- **New**: Indicates whether or not the information has changed from the last update
- **Per ID**: ID based on the period being displayed
- **Year**: Year of data
- **Month**: Month of data
- **Date**: Date in which the EIA last updated the data
- **Hub:** The associated hub for the respective BA
- **BA**: The associated balancing authority for the record being displayed
- **Utes**: Number of utilities included in the data
- **Asset:** The type of plant in question
- **Metric**: Either MW or customers with respect to the field Value
- **User**: Industrial, Residential, Total, or Commercial
- **Value**: Actual number corresponding to previous fields

EIA 861M Summary

Where

Main Menu / Power / Generation / EIA 861m Summary



What

A snapshot of aggregated generation data from the EIA 861M table. The plants are aggregated into Hubs, Balancing Authorities, and assets (fuels). This table depicts the change in generation from the previous EIA update to the current update.

EIA 861M Summary

+ Description

Related Reports: EIM 861M Summary – EIM 861M Detail

Show 100 entries Search: Columns Excel CSV PDF

AS OF DATE	AGG	HUB	BA	ASSET	PRE	POST	CHANGE
	Agg	Hub	BA	Asset			
02-01-2021	WECC	WECC	WECC	Solar	13,923	15,082	1,159
02-01-2021	BA	SC	SDGE	Battery	47	59	12
02-01-2021	BA	SC	SCE	Solar	2,946	3,152	206
02-01-2021	BA	SC	SCE	Battery	92	115	23
02-01-2021	BA	SC	LDWP	Solar	371	400	29
02-01-2021	BA	SC	LDWP	Battery	10	13	3
02-01-2021	BA	SC	IID	Solar	82	85	3
02-01-2021	BA	RM	WAUW	Solar	0	0	0
02-01-2021	BA	RM	WACM	Solar	25	27	2

Table Depiction

EIA 861M Fields

- **As of Date:** The date in which the report was last updated
- **Agg**: The level of aggregation being displayed
- **Hub:** The associated hub for the respective BA
- **BA**: The associated balancing authority for the record being displayed
- **Asset:** The type of plant in question
- **Pre**: The MW totals from the previous EIA update
- **Post**: The MW totals from the current EIA update
- **Change**: The difference from Post & Pre

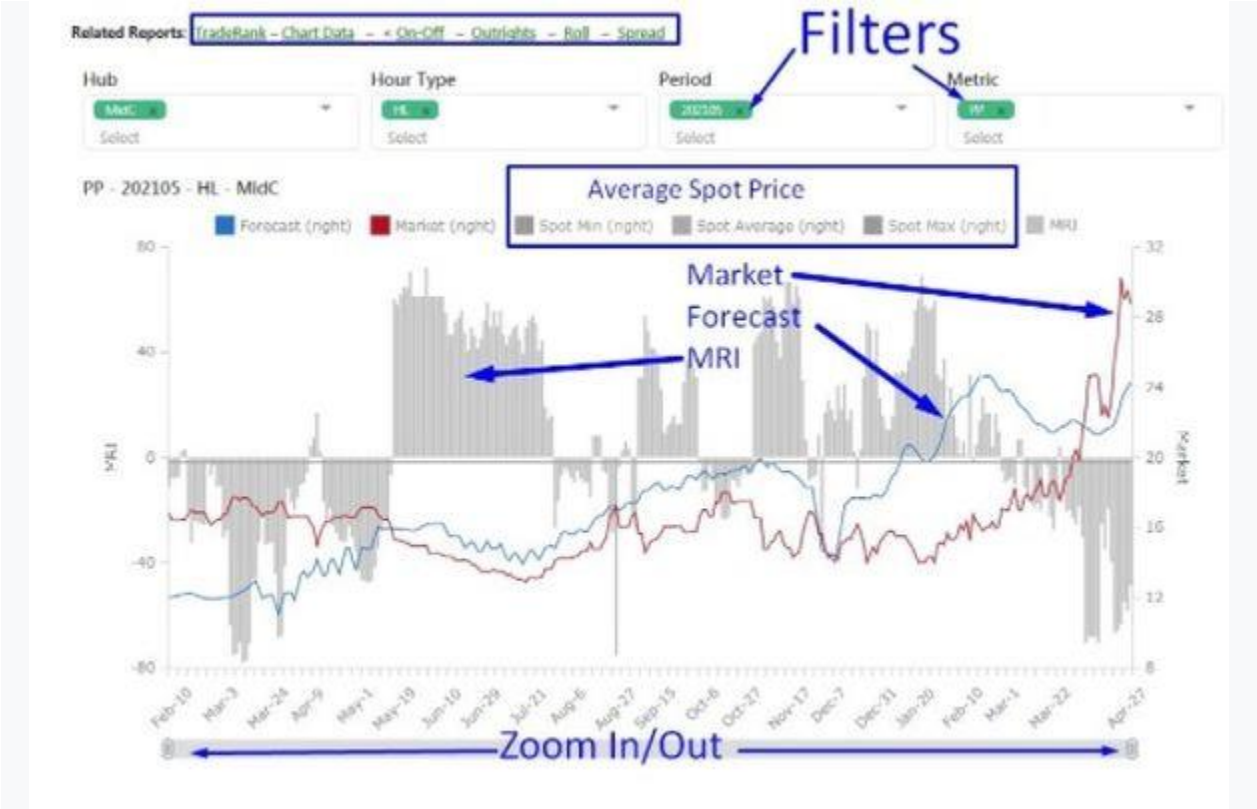
Execution/TradeRank/Outrights

Where

*Main Menu / Execution / TradeRank / Outrights[**edit** | **edit source**]*

What

TradeRank plots term market prices against forecasts and prior year cash settles. Market prices are end-of-day ICE settles, the forecasts are from Ansergy's forecast model, and historical spot prices are the average, maximum, and minimum from the last ten years.



TradeRank Derivative Types

- Outrights (HL or LL)
- Spreads (one hub vs another hub, same period)
- Rolls (one period vs an adjacent period, same hub)
- On Off (HL - LL, same hub, same period)

MRI - Market Richness Index

MRI is a computed value based upon multiple factors involving the relationship between the market and forecasts, the market against itself, and the market against historical spot settles. For a more detail explanation click here.

How Trade Rank is Used

TradeRank can act as a second opinion on a derivative either for hedging our speculating. MRI has been backcasted and proven to call direction correctly over 60% of the time. The metric is especially useful in comparing one derivative against another. For example, when comparing a buy for June or one in May, you can run rolls and see how each period has performed, relative to the forecast and to past market prices, thereby adding further insight into the relative value of each.

Execution/TradeRank/Rolls

Where

Main Menu / Execution / TradeRank / Outrights

What

TradeRank plots term market prices against forecasts and prior year cash settles. Market prices are end-of-day ICE settles, the forecasts are from Ansergy's forecast model, and historical spot prices are the average, maximum, and minimum from the last ten years.

TradeRank Derivative Types

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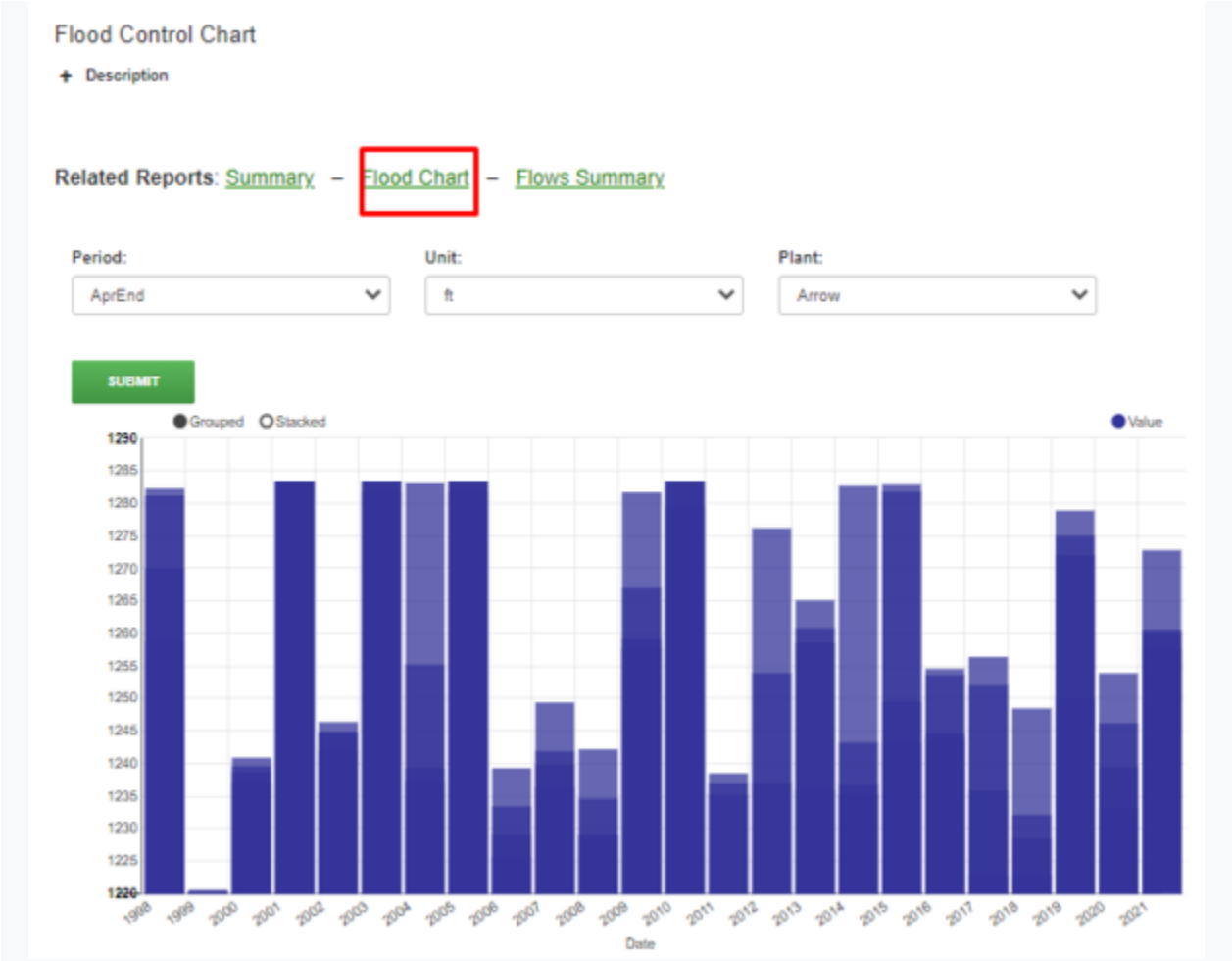
Flood Control Chart



Where

[Main Menu / Power / Hydro / Water Supply / Flood Control Chart]

Why

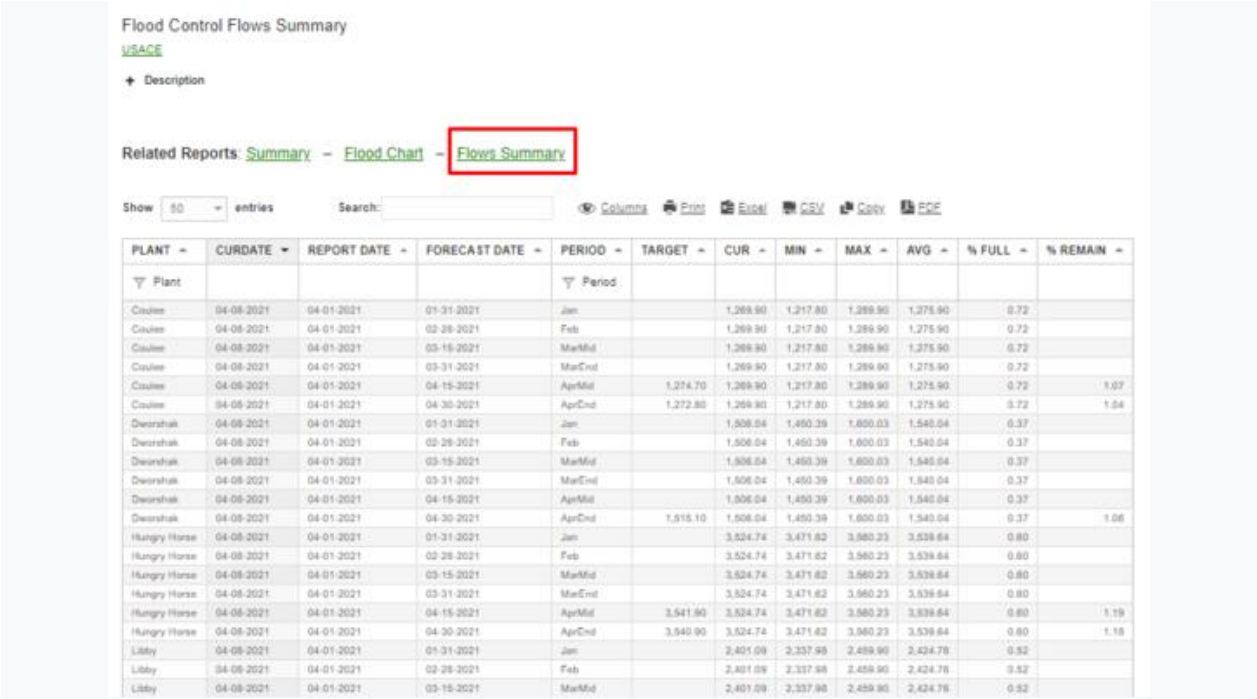
Complete scrape of the Corps of Engineers Flood Control site: http://www.nwd-wc.usace.army.mil/report/colsum/

What

Fields

- Select desired period, unit and plant location
- Compare current year to past 20 years

Flood Control Flows



Flood Control Flows Summary

USACE

+ Description

Related Reports: Summary – Flood Chart – Flows Summary

Show 50 entries Search: Columns Print Excel CSV Copy PDF

PLANT	CURDATE	REPORT DATE	FORECAST DATE	PERIOD	TARGET	CUR	MIN	MAX	AVG	% FULL	% REMAIN
Plant				Period							
Coulee	04-08-2021	04-01-2021	01-31-2021	Jan		1,269.90	1,217.80	1,289.90	1,275.90	0.72	
Coulee	04-08-2021	04-01-2021	02-28-2021	Feb		1,269.90	1,217.80	1,289.90	1,275.90	0.72	
Coulee	04-08-2021	04-01-2021	03-15-2021	MarMid		1,269.90	1,217.80	1,289.90	1,275.90	0.72	
Coulee	04-08-2021	04-01-2021	03-31-2021	MarEnd		1,269.90	1,217.80	1,289.90	1,275.90	0.72	
Coulee	04-08-2021	04-01-2021	04-15-2021	AprMid	1,274.70	1,269.90	1,217.80	1,289.90	1,275.90	0.72	1.07
Coulee	04-08-2021	04-01-2021	04-30-2021	AprEnd	1,272.80	1,269.90	1,217.80	1,289.90	1,275.90	0.72	1.04
Dworshak	04-08-2021	04-01-2021	01-31-2021	Jan		1,506.04	1,450.39	1,600.03	1,540.04	0.37	
Dworshak	04-08-2021	04-01-2021	02-28-2021	Feb		1,506.04	1,450.39	1,600.03	1,540.04	0.37	
Dworshak	04-08-2021	04-01-2021	03-15-2021	MarMid		1,506.04	1,450.39	1,600.03	1,540.04	0.37	
Dworshak	04-08-2021	04-01-2021	03-31-2021	MarEnd		1,506.04	1,450.39	1,600.03	1,540.04	0.37	
Dworshak	04-08-2021	04-01-2021	04-15-2021	AprMid		1,506.04	1,450.39	1,600.03	1,540.04	0.37	
Dworshak	04-08-2021	04-01-2021	04-30-2021	AprEnd	1,515.10	1,506.04	1,450.39	1,600.03	1,540.04	0.37	1.06
Hungry Horse	04-08-2021	04-01-2021	01-31-2021	Jan		3,524.74	3,471.62	3,560.23	3,539.64	0.60	
Hungry Horse	04-08-2021	04-01-2021	02-28-2021	Feb		3,524.74	3,471.62	3,560.23	3,539.64	0.60	
Hungry Horse	04-08-2021	04-01-2021	03-15-2021	MarMid		3,524.74	3,471.62	3,560.23	3,539.64	0.60	
Hungry Horse	04-08-2021	04-01-2021	03-31-2021	MarEnd		3,524.74	3,471.62	3,560.23	3,539.64	0.60	
Hungry Horse	04-08-2021	04-01-2021	04-15-2021	AprMid	3,541.90	3,524.74	3,471.62	3,560.23	3,539.64	0.60	1.19
Hungry Horse	04-08-2021	04-01-2021	04-30-2021	AprEnd	3,540.90	3,524.74	3,471.62	3,560.23	3,539.64	0.60	1.18
Libby	04-08-2021	04-01-2021	01-31-2021	Jan		2,401.09	2,337.98	2,459.90	2,424.78	0.52	
Libby	04-08-2021	04-01-2021	02-28-2021	Feb		2,401.09	2,337.98	2,459.90	2,424.78	0.52	
Libby	04-08-2021	04-01-2021	03-15-2021	MarMid		2,401.09	2,337.98	2,459.90	2,424.78	0.52	

Where

Main Menu / Power / Hydro / Water Supply / Flood Control Flows

Why

Complete scrape of the Corps of Engineers Flood Control site: http://www.nwd-wc.usace.army.mil/report/colsum/

What

- Fields
  - Plant – the name of the plant
  - CurDate – Date used for pulling current reservoir elevations
  - Report Date – the USACE report date
  - Forecast Date – the period being forecasted
  - Period – Text Period name
  - Target – the USACE reservoir elevation targets
  - Cur – Current reservoir elevations as of CurDate (Current Date)
  - Min – Minimum reservoir elevation
  - Max – Maximum reservoir elevation
  - Avg – Average Reservoir elevation
  - % Full – Percent Full (Max – Cur) / (Max – Min)
  - % Remain – Percent left tell done; the % of draft remaining (Cur – Target) / (Max – Target)

Flood Control Summary

Flood Control Summary

USACE

+ Description

Related Reports: Summary – Flood Chart – Flows Summary

Show 50 entries Search: Columns CSV PDF

YEAR	MON	RDATE	FPERIOD	TPER	UNIT	PLANT	VALUE	TDA	STNPER
Year	Mon			tper	Unit	Plant			
2021	Jan	01-01-2021	01-31-2021	Jan	kaf	Horse	370.00	0.94	
2021	Mar	03-01-2021	01-31-2021	Jan	kaf	Arrow		0.94	1.07
2021	Apr	04-01-2021	01-31-2021	Jan	ft	Horse		0.90	
2021	Mar	03-01-2021	01-31-2021	Jan	ft	Horse		0.94	
2021	Jan	01-01-2021	01-31-2021	Jan	ft	Horse	3,543.90	0.94	
2021	Mar	03-01-2021	01-31-2021	Jan	kaf	Coulee		0.94	0.98
2021	Jan	01-01-2021	01-31-2021	Jan	kaf	Dworshak	1,045.00	0.94	
2021	Feb	02-01-2021	01-31-2021	Jan	ft	Bronwlee	198.00	0.95	
2021	Jan	01-01-2021	01-31-2021	Jan	kaf	Coulee	0.00	0.94	0.98
2021	Mar	03-01-2021	01-31-2021	Jan	kaf	Bronwlee		0.94	
2021	Feb	02-01-2021	01-31-2021	Jan	ft	Horse	500.00	0.95	
2021	Mar	03-01-2021	01-31-2021	Jan	ft	Duncan		0.94	1.09
2021	Jan	01-01-2021	01-31-2021	Jan	ft	Bronwlee	2,077.00	0.94	
2021	Apr	04-01-2021	01-31-2021	Jan	kaf	Coulee		0.90	0.95
2021	Jan	01-01-2021	01-31-2021	Jan	ft	Coulee	1,290.00	0.94	0.98
2021	Apr	04-01-2021	01-31-2021	Jan	kaf	Dworshak		0.90	
2021	Jan	01-01-2021	01-31-2021	Jan	kaf	Arrow	1,703.00	0.94	1.06
2021	Mar	03-01-2021	01-31-2021	Jan	ft	Coulee		0.94	0.98
2021	Feb	02-01-2021	01-31-2021	Jan	ft	Dworshak	1,083.00	0.95	
2021	Feb	02-01-2021	01-31-2021	Jan	kaf	Bronwlee		0.95	
2021	Jan	01-01-2021	01-31-2021	Jan	kaf	Duncan	857.00	0.94	1.08
2021	Mar	03-01-2021	01-31-2021	Jan	ft	Arrow		0.94	1.07
2021	Apr	04-01-2021	01-31-2021	Jan	ft	Duncan		0.90	1.08

Where

Main Menu / Power / Hydro / Water Supply / Flood Control Summary

Why

Complete scrape of the Corps of Engineers Flood Control site: http://www.nwd-wc.usace.army.mil/report/colsum/

What

Fields

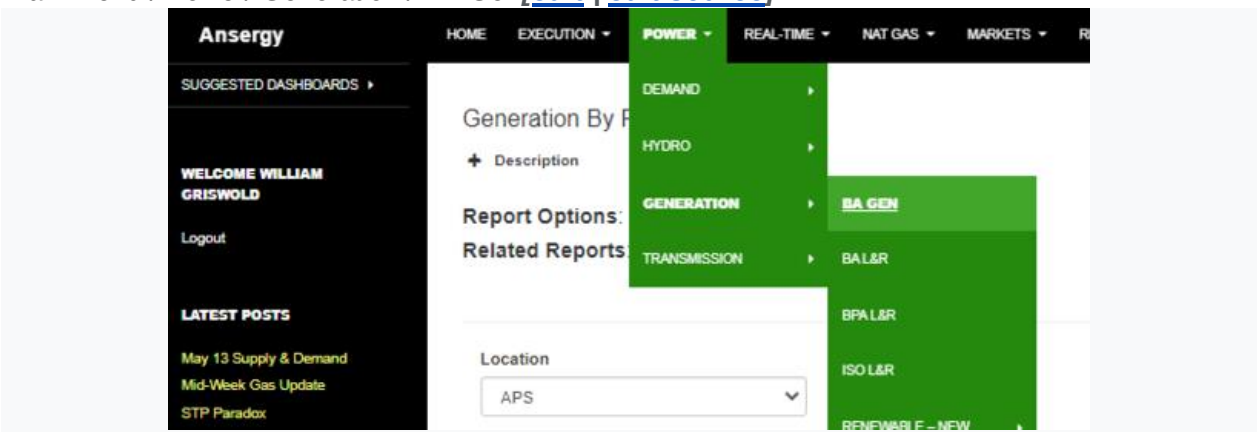
- Year – the water year
- Mon – the month the report was released
- Rdate – Release Date

- Fperiod – Forward forecast date (in Jan the COE forecasts elevations for Feb, Mar, Apr)
- Tper- Text version of Fperiod; use for filtering across years
- Unit – either ft (HF, forebay) or kaf (measure of volume)
- Plant – Hydro Facility subject to Flood Control
- Value – The value reported by the COE
- TDA – The Apr-Aug water supply value at TDA used for that period's forecast
- StnPer – The Apr-Aug water supply forecast for the reported Plant

Generation By Fuel Type

Where

Main Menu / Power/ Generation / BA Gen[edit | edit source]



What

This report displays EIA data detailing hourly generation by balancing authority. The generation types are crossed by locations consisting of balancing authorities and aggregations there of (Mid-C, WECC etc).

Report Options

The report is available in Hourly and Daily aggregations. Each has a corresponding data table linked at the top of the page.

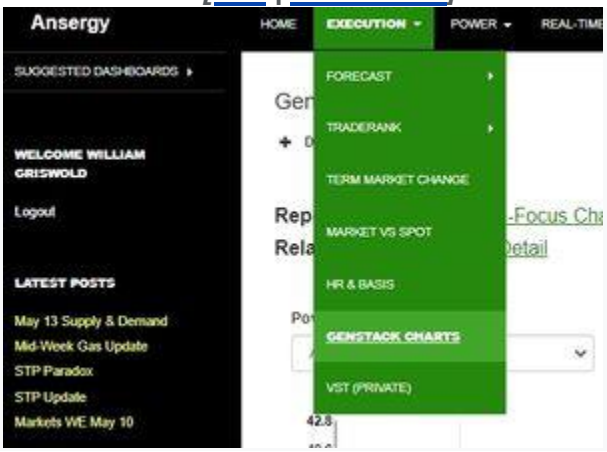
Generation by Fuel Type Fields

- **Coal**: Includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
- **Natgas:**
- **Oil:**
- **Thermal:**
- **Other:** Includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
- **Nuke:**
- **Hydro:**
- **Solar:**
- **Wind:**
- **Renew: I**ncludes wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass
- **Netgen**:

Generation Stack

Where

Main Menu / Execution / Generation Stack[edit | edit source]



What

There are two reports available for Gen Stack -- a chart that plots the Market Price and Ansergy's Forecast Price against cumulative Megawatts of Generation. This chart shows where the current prices are located within the stack, meaning what plants are running in order to serve demand. This chart is helpful in that it also displays the sensitivities of generation as depending on where prices are in the chart, an additional 50 MW of generation can trigger a large increase in price -- or it may result in an increase of just a few cents.

The second available report is the Stack Detail, which is the raw data behind the aforementioned chart. This table displays the actual MW capacity for each plant that serves demand given the price shown in the chart. Be sure to limit the table to a specific power hub in order to get accurate pricing sensitivities.

Stack Detail Fields

- Power Hub
- BA – Balancing Authority
- Owner
- State
- County
- Plant Name
- GenID
- Fuel Group – Ansergy's fuel mapping
- MW – Nameplate
- Prime Mover – EIA's prime mover

- Cogen – EIA's determination of cogen
- Fuel Code – EIA's Primary Fuel Code
- OLdate – Online Date
- RTdate – Retirement Date
- River Basin – If hydro, the Ansergy Hydro Group
- Wind City – If wind, the wind station
- GasPoint – If gas, the gas hub

Grand Coulee Status

Grand Coulee Status

+ Description

Show 50 entries Search: Columns Excel CSV PDF

ALIAS	YEAR	SWE	KAF	MAY	JUNE	JULY	AUG	SEP
GCL Inflows	2016	14.35	28,545	170,906	143,570	117,671	89,084	79,958
GCL Inflows	2017	29.99	23,496	252,521	215,446	106,711	92,625	90,977
GCL Inflows	2018	25.38	25,301	300,957	186,970	125,087	99,692	75,976
GCL Inflows	2019	17.89	25,332	146,949	129,403	103,455	86,103	65,359
GCL Inflows	2020	31.71	24,074	220,254	209,370	163,595	110,324	82,810
GCL Inflows	2021	24.84	25,604	149,848	150,076	110,321	87,543	70,615

Showing 1 to 6 of 6 entries « < 1 > »

Where

[Main Menu / Power / Hydro / Water Supply / Snow Reports / Grand Coulee Status]

Why

A report that returns the KAF, SWE, and Inflows for Grand Coulee for the runoff months over the last recent years. SWE is weighted by the basin's contribution to average inflows into Coulee. KAF is the aggregate of all storage as of the most recent run date, including Coulee. Historical flow data (< Current Year) are actuals while the current year is the STP forecast.

- SWE – weighted average snow for all basins above Coulee including BC
- KAF – the amount of water stored (1000 acre feet) as of today for current year and past years
- May-Sep – actual inflows to Coulee (years 2016-2020)
- The current Year (ie 2021) uses the STP forecast

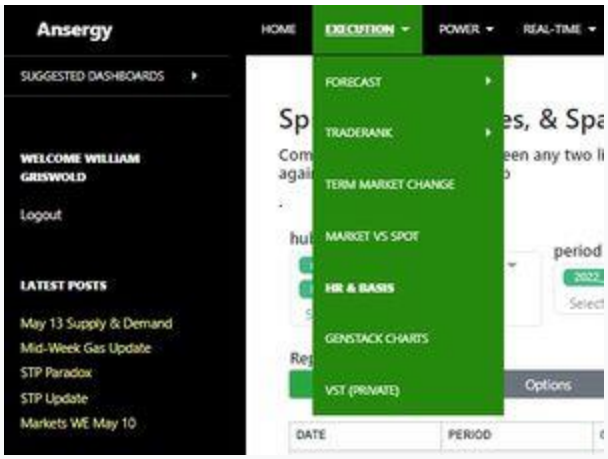
What

- SWE – weighted average snow for all basins above Coulee including BC
- KAF – the amount of water stored (1000 acre feet) as of today for current year and past years
- May-Sep – actual inflows to Coulee (years 2016-2020)
- The current Year (ie 2021) uses the STP forecast
- Download data via the Excel, CSV, or PDF button

HR & Basis

Where

Main Menu / Execution / HR & Basis

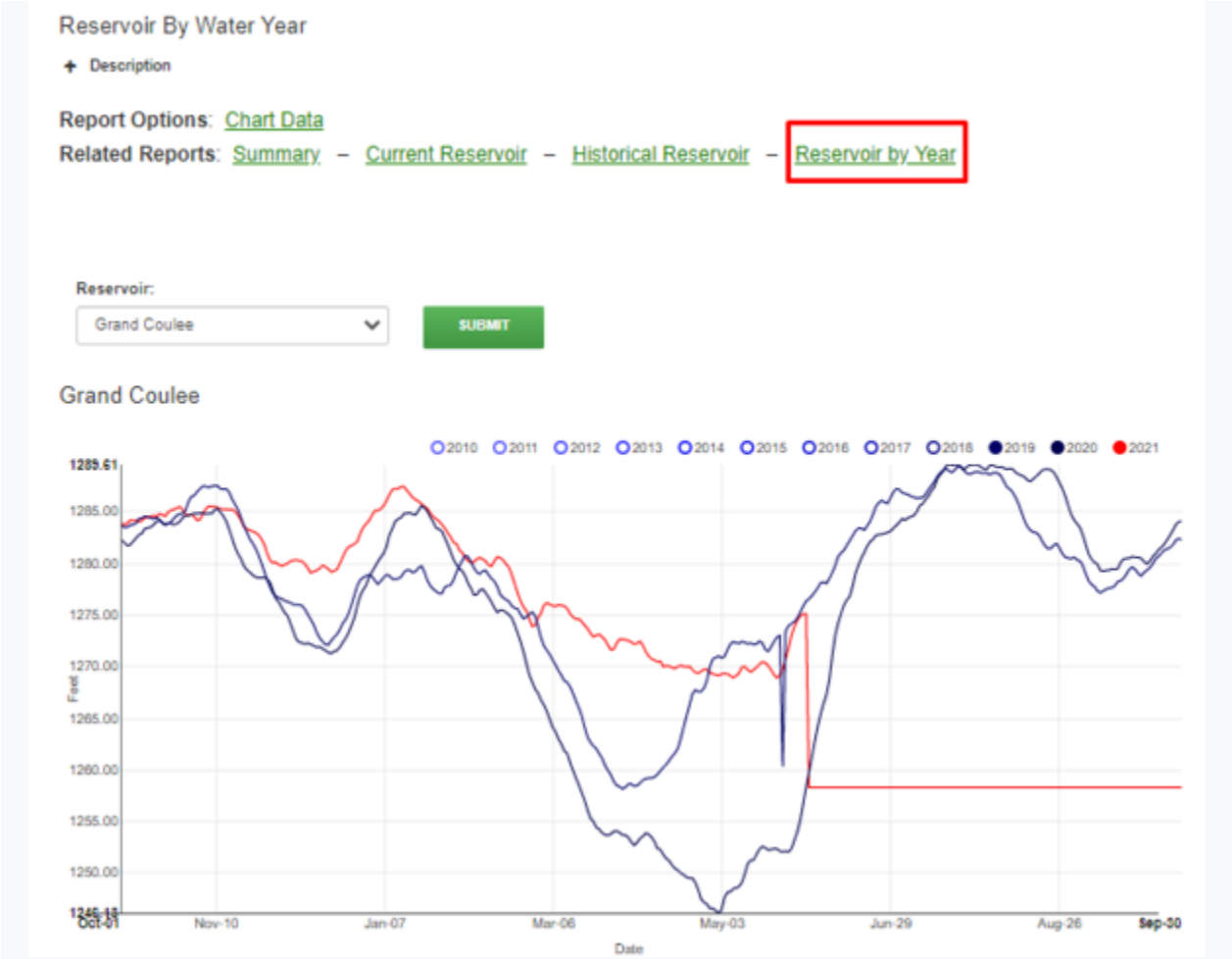


Menu Location

What

The HR & Basis report allows a user to compute basis (spreads) between any two like commodities; or compute heat rate against any power and gas hub; or compute a 7k Spark against any power and gas hub. The table automatically populates the comparison between selected hubs (i.e. with NOB and SP15 selected, the table will display the Spread, Heatrate, and Spark Spread difference between the two hubs). We suggest limiting the number of hubs being selected to four or fewer as the columns grow exponentially as more hubs are selected.

Hydro Reservoir By Year



Where

[Main Menu / Power / Hydro / Water Supply / Reservoirs / Reservoir by Year]

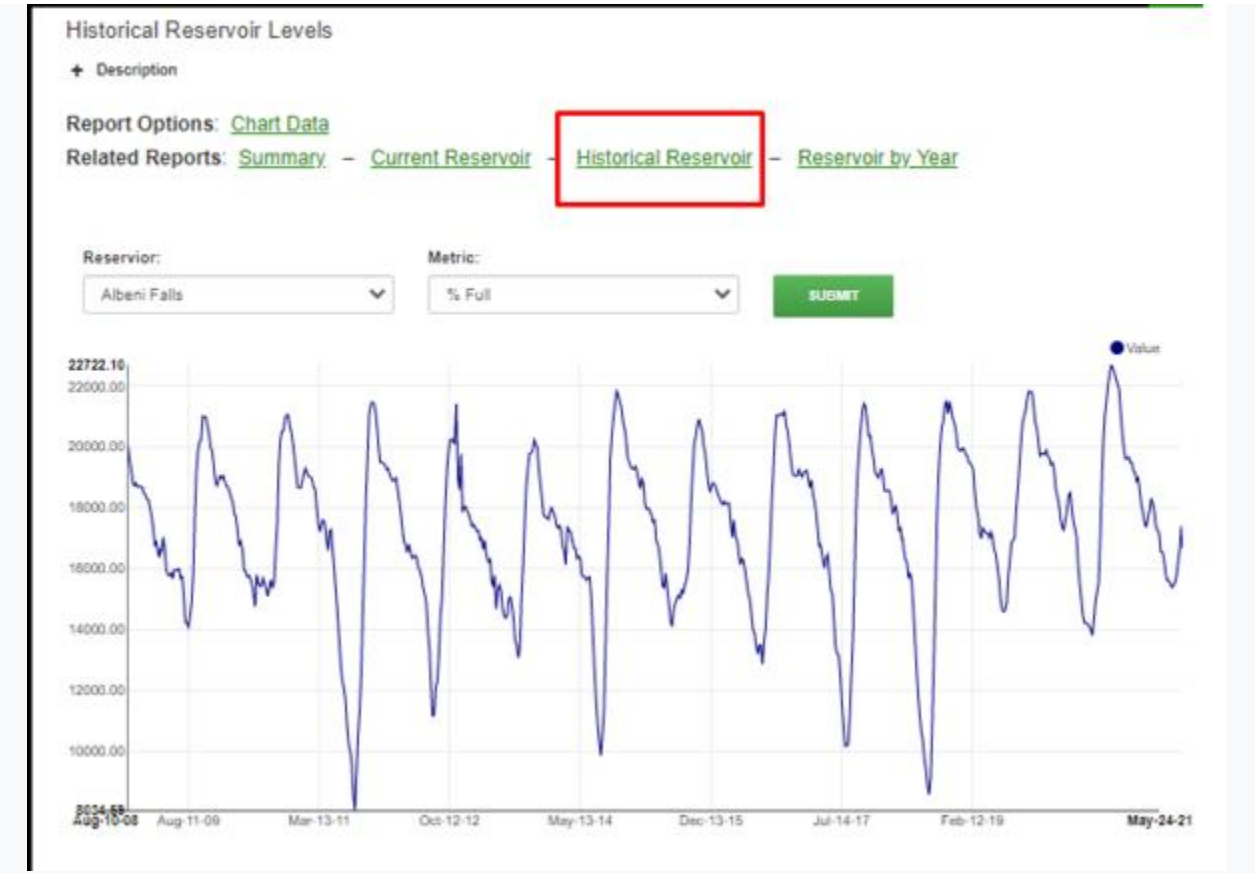
Why

Historical reservoir levels separated by water year.

What

- Select a reservoir then click submit
- Click the colored circle to show or hide a line

Hydro Reservoir Historical



Where

[Main Menu / Power / Hydro / Water Supply / Reservoirs / Historical Reservoir]

Why

A continuous view of historical reservoir levels. View percent full, KAF - Storage or Forebay Elevation

What

- Select a reservoir and metric, then click submit
- Click the colored circle to show or hide a line
- Value - current reservoir metric

Hydro Reservoir Summary

Reservoir Summary

+ Description

Related Reports: Summary – Current Reservoir – Historical Reservoir – Reservoir by Year

Search: Columns Excel CSV PDF

METRIC	HUB	RES	WOW	MOM	YOY	CUR	D1	W1	M1	M2	WY20	WY19
Metric	Hub	Res										
% Full	MidC	Group_MidC	-0.01	0.08	0.00	0.91	0.97	0.92	0.85	0.85	0.91	1.01
Storage - KAF	CAL	New Melones	-18.76	-91.95	-474.95	1,386.76	1,392.52	1,405.52	1,478.71	1,542.48	1,861.71	2,021.77
Storage - KAF	CAL	New Hogan	-2.24	-9.87	-50.11	139.80	140.44	142.04	149.88	152.22	169.91	227.26
Storage - KAF	CAL	Isabella	-0.53	3.81	-129.21	95.74	96.07	96.27	91.93	93.98	224.95	335.06
Storage - KAF	CAL	Folsom	-1.96	13.78	-404.97	368.04	368.69	370.00	354.26	353.75	773.01	926.37
Storage - KAF	CAL	Englebright	2.51	0.67	0.21	66.31	65.76	63.80	65.64	67.33	66.10	71.35
Storage - KAF	BC	Mica	152.67	314.89	-156.49	2,733.63	2,699.26	2,580.96	2,418.74	2,558.15	2,890.12	2,636.30
Storage - KAF	BC	Kootenay	429.18	1,211.03	-711.98	2,649.84	2,597.72	2,220.66	1,438.81	1,415.53	3,361.82	2,448.00
Storage - KAF	BC	Duncan	32.80	55.85	22.16	335.65	326.12	302.85	279.80	291.77	313.49	382.84
Storage - KAF	BC	Arrow	227.64	627.74	58.84	2,974.77	2,916.14	2,747.13	2,347.03	2,134.33	2,916.14	4,147.48
Forebay Elevation	MidC	Palisades	0.00	0.00	-0.03	5,587.82	5,587.82	5,587.82	5,587.82	5,587.82	5,587.85	5,587.85
Forebay Elevation	MidC	Noxon	0.08	1.24	-1.68	2,328.75	2,329.38	2,328.83	2,327.51	2,327.16	2,330.43	2,330.10
Forebay Elevation	MidC	Libby	2.02	7.16	-3.32	2,409.57	2,409.78	2,407.55	2,402.41	2,401.53	2,412.89	2,414.97
Forebay Elevation	MidC	Hungry Horse	3.78	13.12	1.84	3,537.86	3,537.42	3,534.08	3,524.74	3,525.75	3,536.02	3,543.02
Forebay Elevation	MidC	Grand Coulee	4.36	5.98	15.32	1,275.14	1,274.52	1,270.78	1,269.16	1,272.42	1,259.81	1,276.58
Forebay Elevation	MidC	Dworshak	10.22	50.43	-13.80	1,563.80	1,561.55	1,553.58	1,513.37	1,505.19	1,577.60	1,594.40
Forebay Elevation	MidC	Chief Joe	0.83	0.33	0.70	954.03	953.62	953.20	953.70	953.07	953.33	953.45
Storage - KAF	CAL	Pine Flat	9.64	84.77	-392.61	401.84	399.35	392.00	316.87	259.92	794.25	761.21
Storage - KAF	CAL	Shasta	-72.43	-280.92	-1,521.85	2,047.35	2,069.03	2,119.78	2,328.27	2,376.78	3,568.00	4,444.79
% Full	CAL	Group_CAL	-0.01	-0.02	-0.30	0.49	0.49	0.50	0.51	0.51	0.79	0.93
% Full	BC	Group_BC	0.03	0.08	-0.03	0.31	0.31	0.28	0.23	0.23	0.34	0.35
Storage - KAF	MidC	Group_MidC	-261.75	1,037.96	-76.00	16,675.03	17,775.95	16,936.78	15,637.07	15,615.08	16,751.03	18,542.74
Storage - KAF	CAL	Group_CAL	-99.43	-304.92	-3,717.28	6,106.64	6,138.32	6,206.07	6,411.58	6,424.25	9,823.93	11,672.43
Storage - KAF	BC	Group_BC	842.30	2,209.52	-787.67	8,693.90	8,539.26	7,851.60	6,484.38	6,397.77	9,481.57	9,614.43

Where

[Main Menu / Power / Hydro / Water Supply / Reservoirs]

Why

A summary of reservoir levels with historical data to compare today vs yesterday, last week, last month or last year.

What

- Filter Metric, Hub or by Reservoir
- Click the colored circle to show or hide a line
- Location - select the rivers you'd like to see in the table
- Res - Reservoir
    - CUR – Today
    - D1 - Yesterday
    - WOW – Week-on-Week: Today – One Week Ago
    - MOM – Month-on-Month: Today – One Month Ago
    - YOY- Year-on-Year: Today – One Year Ago

Hydro Reservoirs Current

Where

[Main Menu / Power / Hydro / Water Supply / Reservoirs]

Why

The current water year's reservoir levels compared to Min, Max, and Average.

What

- Select a reservoir and metric, then click submit
- Click the colored circle to show or hide a line
- Value - current reservoir metric
- Min. - 10 year minimum
- Max. - 10 year maximum
- Avg. - 10 year average
- Last Day - line to show last days value

Hydro Water Supply

Hydro Water Supply Summary

+ Description

Related Reports: Summary – Current – Historical

Show 50 entries Search: Columns Excel CSV PDF

DID	DATE	RIVER	PERIOD	ANSERGY	RFC	DELTA
DID		River	Period			
1	05-10-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	85.30	90.00	-4.70
2	05-09-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	84.70	89.00	-4.30
3	05-08-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	83.20	89.00	-5.80
4	05-07-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	82.30	90.00	-7.70
5	05-06-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	84.90	90.00	-5.10
6	05-05-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	85.90	91.00	-5.10
7	05-04-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	86.50	91.00	-4.50
8	05-03-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	87.10	93.00	-5.90
9	05-02-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	87.40	93.00	-5.60
10	05-01-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	87.90	91.00	-3.10
11	04-30-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	89.80	90.00	-0.20
12	04-29-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	91.40	90.00	1.40
13	04-28-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	92.70	90.00	2.70
14	04-27-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	93.00	91.00	2.00
15	04-26-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	93.00	92.00	1.00
16	04-25-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	91.30	93.00	-1.70
17	04-24-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	91.30	94.00	-2.70
18	04-23-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	91.60	94.00	-2.40
20	04-21-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	93.10	95.00	-1.90
21	04-20-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	93.20	94.00	-0.80
22	04-19-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	93.80	93.00	0.80
23	04-18-2021	COLUMBIA - GRAND COULEE DAM	APR-SEP	94.40	93.00	1.40

Where

Main Menu / Power / Hydro / Water Supply / Water Supply

Why

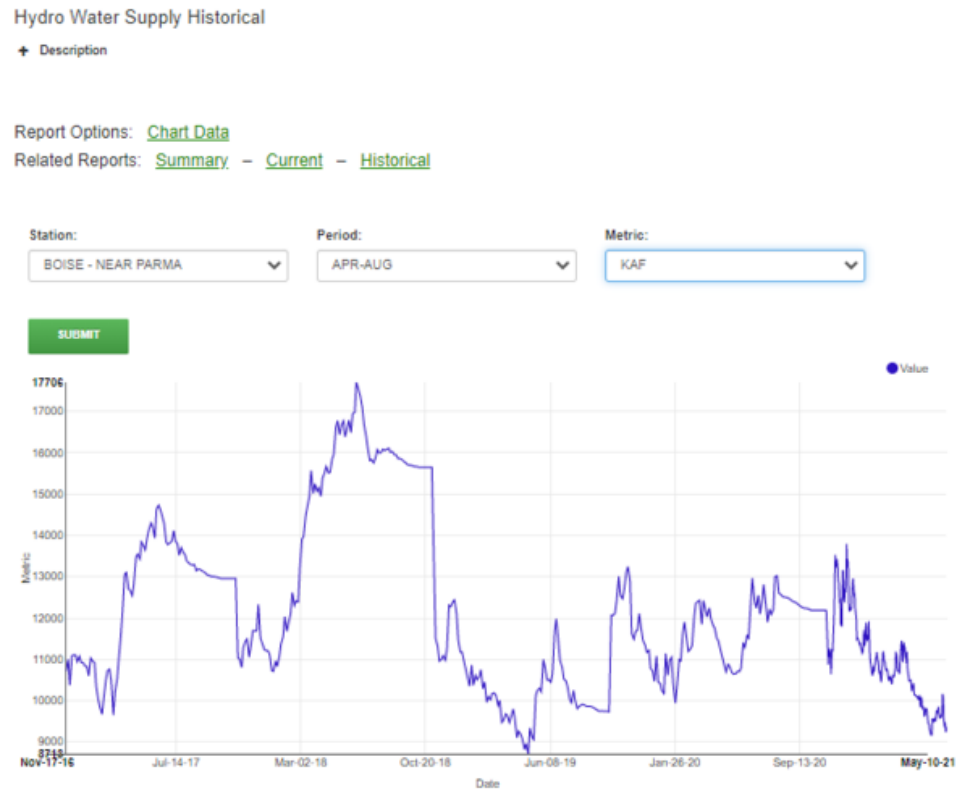
Ansergy freezes water supply around May 10 and resume forecasting in October. The reason for this is because there's no new snow pack, and the water year is already locked in. A summary of this year's water supply compared to the previous six years. Includes a comparison between Ansergy and the RFC's estimates.

What

- Export data to Excel, CSV or PDF
- Click the Columns Eye (icon) to hide or show columns
- River - select the rivers you'd like to see in the table
- Period - choose your preferred time period

- Ansergy - Ansergy forecasts an independent water supply number to compare to the River Forecast Center
- RFC - The River Forecast Centers forecast for water supply at a specific river
- Delta - The difference between Ansergy's forecasted water supply vs the River Forecast Center

Hydro Water Supply Historical



Where

[Main Menu / Power / Hydro / Water Supply / Water Supply / Historical]

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Ansergy freezes water supply around May 10 and resume forecasting in October. The reason for this is because there's no new snow pack, and the water year is already locked in. A chart of historical water supplies compared to the previous six years. Includes a comparison between Anergy and the RFC's estimates.

What

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- RFC - The River Forecast Centers forecast for water supply at a specific river
- Delta - The difference between Ansergy's forecasted water supply vs the River Forecast Center

ISO Generation

Where

Main Menu / Power / Generation / ISO Generation This report is found within a link from the ISO Generation Summary report.

What

This report is a granular plant-level description of the total generation capacity as sourced by the CAISO Atlas. This report also notes when generation has been recently added to the stack, as signified by the "Is New" field.

ISO Generation

+ Description

Related Reports: ISO Gen Summary – ISO Generation Data

Show 50 entries Search: Columns Excel CSV PDF

AS OF	BA	HUB	ISOMAP	PLANTNAME	RESID	MWUSE	MWNP	OWNER	FUEL	OLDATE	ISO	QF	II NEW
	BA	Hub	ISOmap						Fuel		ISO	QF	II New
05-25-2021	CISO	SP15	SCE	Coachella 2	GARNET_2_COAWD2	11	11	Coachella Wind Holdings, LLC	Wind	04-26-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Voyager Wind Oasis Alta	VOYAGR_2_VOAWD5	14	14	Alta Interconnection Management III, LLC	Wind	04-26-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Kramer Junction 9	KRAMER_2_SEGS 9	80	92	Luz Solar Partners Ltd. IX	Solar	04-23-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Point Wind 2	TEHAPI_2_PW2WD2	14	14	Tehachapi Plains Wind, LLC	Wind	04-20-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Ventura Energy Storage	SNCLRA_2_VESBT1	100	100	Ventura Energy Storage, LLC	Battery	04-20-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Painted Hills	VENWD_1_WIND3	45	45	Painted Hills Wind Holdings, LLC	Wind	04-14-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Coachella 1	ALTWD_2_COAWD1	50	50	Coachella Wind Holdings, LLC	Wind	04-13-2021	Yes	N	1
05-25-2021	CISO	NP15	PGAE	Haypress Middle	HAYPRS_6_HAYHD2	7	9	EIF Haypress, LLC	Hydro	04-08-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Dracker Solar Unit 2 BESS	DRACKR_2_DSUBT2	115	115	NextEra Blythe Solar Energy Center, LLC	Battery	04-08-2021	Yes	N	1
05-25-2021	CISO	NP15	PGAE	Dallas Energy Storage 3	VISTRA_5_DALBT3	100	100	Moss Landing Energy Storage 1, LLC	Battery	04-06-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Silverstrand BESS	SNCLRA_2_SILBT1	11	11	Silverstrand Grid, LLC	Battery	04-01-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Acorn I BESS	MOORPK_2_ACOBT1	2	2	Acorn I Energy Storage, LLC	Battery	03-31-2021	Yes	N	1
05-25-2021	CISO	SP15	SCE	Point Wind 1	TEHAPI_2_PW1WD1	47	48	Tehachapi Plains Wind, LLC	Wind	03-30-2021	Yes	N	1

Table Details

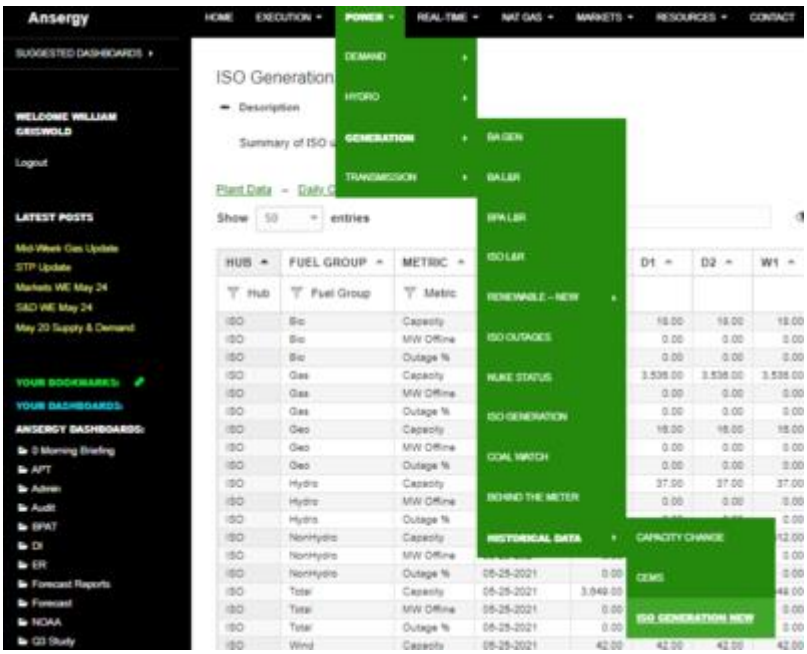
ISO Generation Fields

- **As of:** The date in which the report was last updated
- **BA**: The associated balancing authority for the respective plant
- **Hub:** The associated hub for the respective plant
- **ISO Map**: Where the plant an be found in the ISO map
- **Plantname**: The formal name of the plant
- **ResID**: The ID used by the ISO
- **MWUSE**: Net Dependable Capacity
- **MWNP**: Nameplate Capacity
- **Owner**: Owner of the plant
- **Fuel:** The type of plant in question
- **OLDate**: The date in which the plant came online
- **ISO**: A yes/no for whether the plant is located within CAISO
- **QF**:
- **Is New:** Any new generation will show on this line

ISO Generation Stack

Where

Main Menu / Power / Generation / ISO Generation Stack



What

This report summarizes the ISO units by fuel type and metrics including Capacity, MW Offline, and Outage %. These metrics are shown across various moments in time including recent days, weeks, and years.

The data can also be charted into daily or weekly lines.

ISO Generation Stack

Description

Summary of ISO units.

Plant Data – Daily Chart – Weekly Chart

Show 50 entries Search: Columns Excel CSV PDF

HUB	FUEL GROUP	METRIC	RUN DATE	CUR	D1	D2	W1	W2	M1	Y1	Y2	Y3	Y4	Y5
Hub	Fuel Group	Metric												
ISO	Bio	Capacity	05-25-2021	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00	18.00
ISO	Bio	MW Offline	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Bio	Outage %	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Gas	Capacity	05-25-2021	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00	3,536.00
ISO	Gas	MW Offline	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Gas	Outage %	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Geo	Capacity	05-25-2021	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
ISO	Geo	MW Offline	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Geo	Outage %	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Hydro	Capacity	05-25-2021	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00	37.00
ISO	Hydro	MW Offline	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	Hydro	Outage %	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ISO	NonHydro	Capacity	05-25-2021	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00	3,612.00
ISO	NonHydro	MW Offline	05-25-2021	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table Depiction

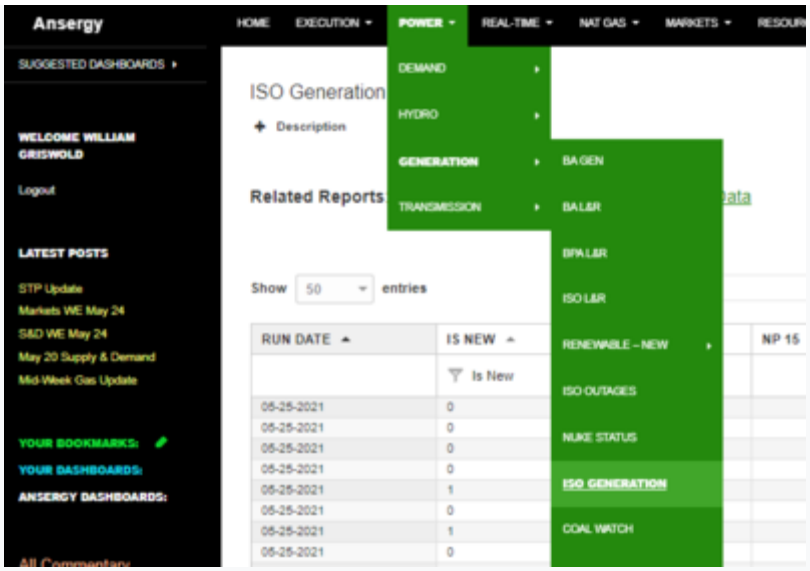
ISO Generation Stack

- **Hub:** The aggregated hub level of corresponding units
- **Fuel Group**: units aggregated into their respective fuels (Gas, Hydro, Bio, etc.).
- **Metric**: The data being displayed (Capacity, MW Offline, and Outage %)
- **Run Date:** The date in which the report was last updated
- **Cur**: The most current data
- **D1-D2**: One to Two days ago
- **W1-W2**: One to Two weeks ago
- **M1**: One month ago
- **Y1-Y5**: One to five years ago

ISO Generation Summary

Where

Main Menu / Power / Generation / ISO Generation



Menu Location

What

This report summarizes the total generation capacity by fuel type as sourced by the ISO. This summary also notes when generation has been recently added to the stack, as signified by the "Is New" field.

Related Reports: ISO Gen Summary – ISO Generation Data

Show 50 entries Search: Columns Excel CSV PDF

RUN DATE	IS NEW	FUEL	NP 15	SP 15	TOTAL ISO
	Is New	Fuel			
05-25-2021	0	Battery	315.50	841.14	1,156.64
05-25-2021	0	Oil	110.00		
05-25-2021	0	Other	27.33	611.42	638.75
05-25-2021	0	Solar	3,888.20	12,019.60	15,907.80
05-25-2021	1	Solar	473.00	841.60	1,314.60
05-25-2021	0	Wind	1,476.90	5,227.97	6,704.87
05-25-2021	1	Wind		575.11	
05-25-2021	0	z_Total	43,679.40	50,507.60	94,186.90
05-25-2021	1	z_Total	500.18	1,439.16	1,939.34
05-25-2021	0	zz_Battery %	0.36	0.83	0.61
05-25-2021	0	Nuke	2,300.00	635.00	2,935.00
05-25-2021	1	Hydro	27.18	11.95	39.13
05-25-2021	1	Battery	300.00	604.16	904.16

Table Details

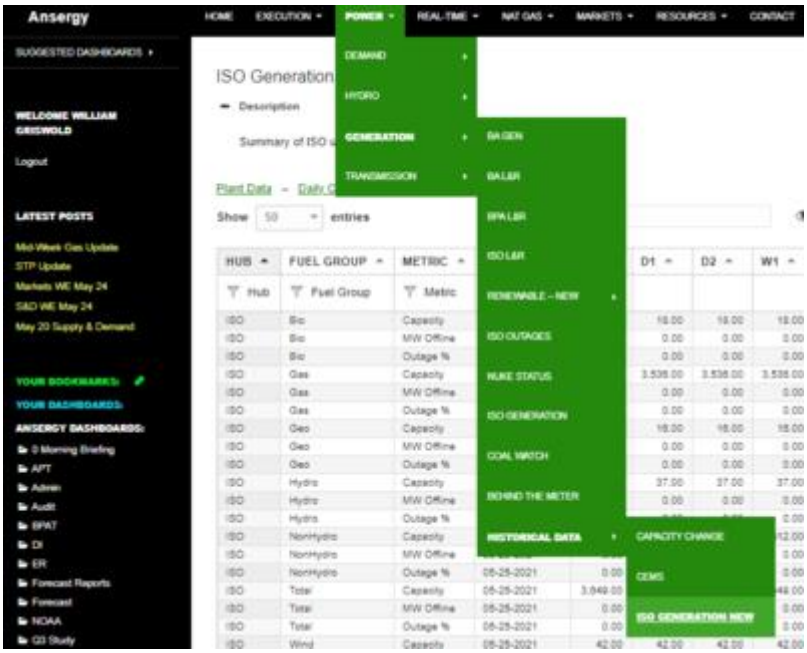
ISO Generation Summary Fields

- **Run Date:** The date in which the report was last updated
- **Is New:** Any new generation will show on this line
- **Fuel:** The type of plant in question
- **NP 15:** Generation specific to NP 15
- **SP 15:** Generation specific to NP 15
- **Total ISO**: Generation specific to the ISO

ISO Generation Units Detail

Where

Main Menu / Power / Generation / ISO Generation Detail This report can be found as a link from the ISO Generation Stack report.



What

This report offers a more descriptive list of plant outages as supplied by the CAISO. Information includes the capacity, percent of current outage, and historical frequency of outages.

ISO Generation Units Detail

Description

Unit Summary – Daily Chart – Weekly Chart

Show 50 entries Search: Columns Excel CSV PDF

RESID	PLANT	FORCED	PLANNED	CAPACITY	CUROUT	W1 %	M1 %	5 YR %	ONLINE	HUB	DEMZONE	BAL AUTH	OWNER	QF?	AGG?	ISOCLASS	FUELGROUP	RUNDATE
										Hub	DemZone	Bal Auth	Owner	QF?	Agg?	ISOclass	FuelGroup	
COLGA1_6_SHELLW	Coalinga Cogeneration	10-28-2016	05-06-2016	52.90	0	0.00	0.00	0.05	10-17-1991	NP15	PGE3	PGAE	Chevron Power Holdings	No	No	Cogen	Gas	05-27-2021
ELCAJN_7_GT1	El Cajon Gt	08-31-2016	05-06-2016	16.38	0	0.00	0.00	0.03	01-01-1968	SP15	SDG1	SDGE	Cabrillo Power	No	No	Peaker	Gas	05-27-2021
ENCINA_7_EA1	Encina Unit 1	05-15-2014	11-28-2016	106.00	0	0.00	0.00	0.05	01-01-1954	SP15	SDG1	SDGE	Cabrillo Power	No	No	Thermal	Gas	05-27-2021
ETIWND_2_QF	Etiwanda Area Lumped Units	12-02-2015	05-16-2014	37.22	0	0.00	0.00	0.01	09-01-1985	SP15	SCE1	SCE	VARIOUS	Yes	Yes	Hydro	Hydro	05-27-2021
FLOWD2_2_UNIT 1	Altamont Power (aggregate)		03-18-2016	42.10	0	0.00	0.00	0.01	01-01-1985	NP15	PGE3	PGAE	PG&E	Yes	Yes	Wind	Wind	05-27-2021
INLDEM_5_UNIT 2	Inland Empire Energy Center, L	08-29-2016	03-01-2017	366.32	0	0.00	0.00	0.09	06-08-2010	SP15	SCE1	SCE	Inland Empire Energy Center	No	No	Thermal	Gas	05-27-2021
JAVVAL_6_UNITG1	Buena Vista Biomass	02-17-2016	11-07-2014	17.84	0	0.00	0.00	0.04	01-03-2013	NP15	PGE2	PGAE	Buena Vista Biomass	No	No	Biomass	Bio	05-27-2021
MIDSET_1_UNIT 1	Midset Cogeneration	12-16-2016	05-28-2016	52.90	0	0.00	0.00	0.03	03-16-1989	ZP26	PGE4	PGAE	Chevron Power Holdings	Yes	No	Cogen	Gas	05-27-2021
MOSSLD_7_UNIT 6	Moss Landing 6	10-14-2015	02-18-2016	754.00	0	0.00	0.00	0.05	01-01-1967	NP15	PGE3	PGAE	Dynegy	No	No	Thermal	Gas	05-27-2021
MOSSLD_7_UNIT 7	Moss Landing 7	12-30-2016	10-06-2016	755.00	0	0.00	0.00	0.04	01-01-1968	NP15	PGE3	PGAE	Dynegy	No	No	Thermal	Gas	05-27-2021
MRGT_7_UNITS	Miramar Gt Plant (aggregate)	12-06-2016	12-05-2016	36.00	0	0.00	0.00	0.06	01-01-1972	SP15	SDG1	SDGE	Cabrillo Power	No	Yes	Peaker	Gas	05-27-2021
OILDAL_1_UNIT 1	Oildale Energy	05-29-2015	04-30-2015	40.00	0	0.00	0.00	0.04	12-29-1984	ZP26	PGE4	PGAE	Oildale Energy	No	No	Cogen	Gas	05-27-2021
PITTSP_7_UNIT 5	Pittsburg Unit 5	04-08-2016	07-15-2016	312.00	0	0.00	0.00	0.11	01-01-1960	NP15	PGE3	PGAE	Mirant	No	No	Thermal	Gas	05-27-2021
PITTSP_7_UNIT 6	Pittsburg Unit 6	12-16-2015	07-15-2016	317.00	0	0.00	0.00	0.12	01-01-1961	NP15	PGE3	PGAE	Mirant	No	No	Thermal	Gas	05-27-2021
PITTSP_7_UNIT 7	Pittsburg Unit 7		12-30-2016	530.00	0	0.00	0.00	0.22	01-01-1972	NP15	PGE3	PGAE	Mirant	No	No	Thermal	Gas	05-27-2021
SARGNT_2_UNIT	Sargent Canyon Cogeneration	10-18-2016	03-31-2016	57.10	0	0.00	0.00	0.03	10-07-1991	NP15	PGE3	PGAE	Chevron Power Holdings	No	No	Cogen	Gas	05-27-2021
VESTAL_6_ULTRGN	Rio Bravo Jasmin	08-16-2013	08-19-2011	38.00	0	0.00	0.00	0.01	11-02-1989	SP15	SCE1	SCE	Southern California Edison	Yes	No	Cogen	Gas	05-27-2021

ISO Generation Units Detail Fields

- **ResID**: ID used by the CAISO for the respective unit

- **Plant**: Plant name as assigned by the CAISO
- **Forced**: Date of last forced outage
- **Planned**: Date of last planned outage
- **Capacity**: The total generating capacity of the unit
- **CurOut**: The current outage in terms of MW
- **W1%**: Average outage percentage in the last week
- **M1%**: Average outage percentage in the last month
- **5 Yr%**: Average outage percentage in the last five years
- **Online**: Date the unit first came online
- **Hub**: The Hub assigned to the respective unit
- **Demzone**: The zone assigned to the respective unit
- **Bal Auth**: The Balancing Authority assigned to the respective unit
- **Owner**: The listed owner of the plant
- **QF**: A yes or no on whether the plant is a Qualified Facility
- **Agg**: A yes or no on whether the plant is a aggregate
- **ISO Class**: The type of plant as assigned by the CAISO
- **Fuel Group**: units aggregated into their respective fuels (Gas, Hydro, Bio, etc.).
- **RunDate**: The date in which the report was last updated

ISO Historical Outage Chart

Where

Main Menu / Power / Generation / ISO Outage Summary. This report is linked from the ISO Recent Outage Chart report.

What

The Cal ISO publishes a list of units off line each day; this report summarizes that data. This table is aggregated into hubs, outage type, and fuel type. Another iteration of this data is available at the unit level.

ISO Unit Status (Source Data)

Chart Data

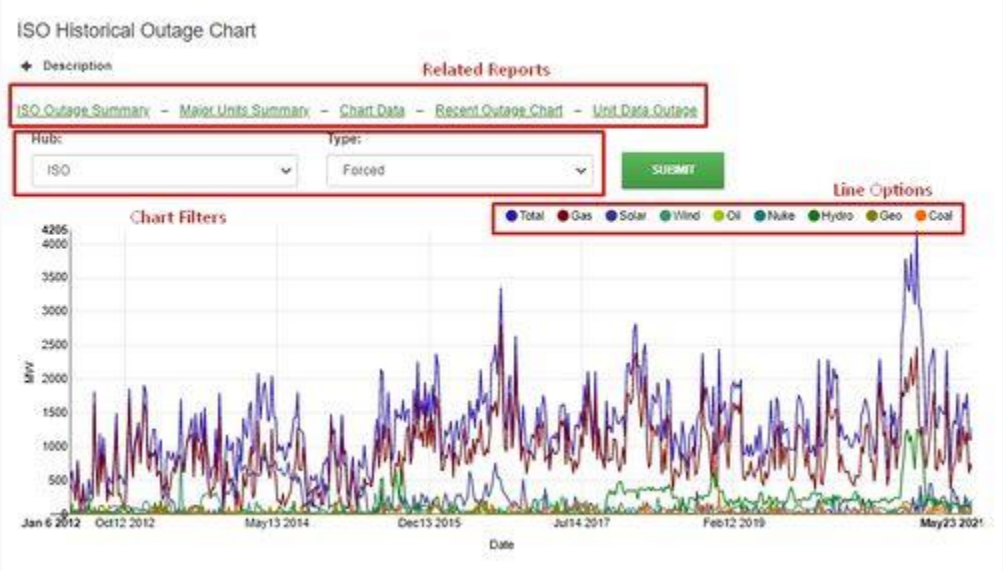


Chart Description

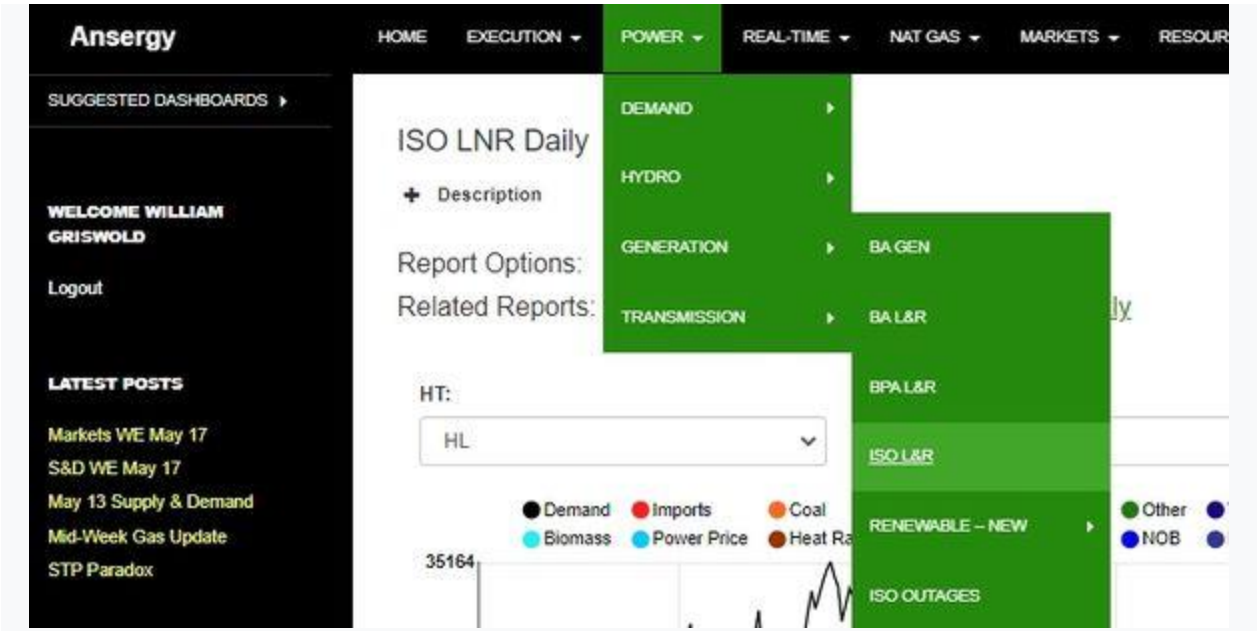
Historical Outage Chart Fields

- Hub: Unit level outage data aggregated into corresponding hub
- Type: The type of outage being reported (planned, forced, etc)
- Total: All fuel types aggregated into a total
- Fuel Types: Individual outages charted by fuel type

ISO L&R

Where

Main Menu / Power / Generation / ISO L&R



What

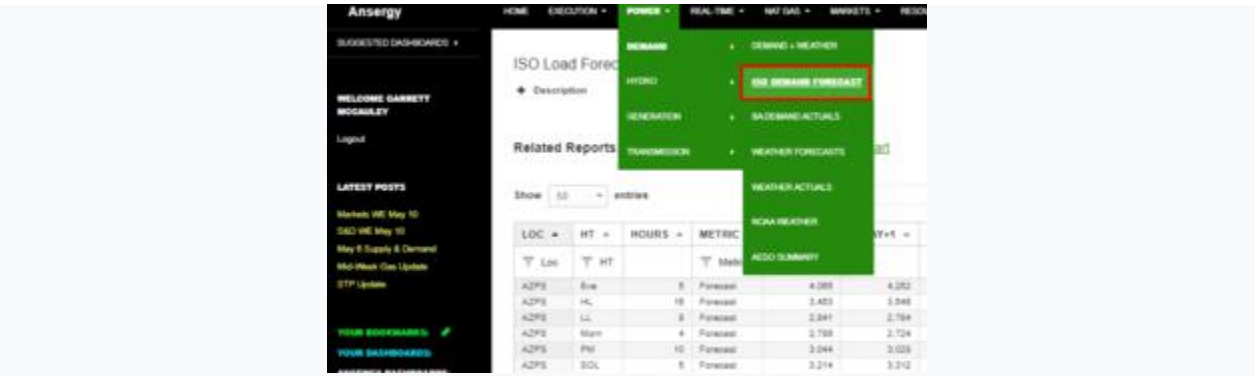
ISO Loads and Resources (ISO L&R). This report contains graphs and tables displaying ISO actuals by fuel type. Data is available in Hourly, Daily, and Weekly aggregations. Select an hour type and an aggregation type (average, minimum, maximum) from the dropdown boxes to display the L&R data.

ISO L&R Fields

- **Demand:**
- Imports:
    - **Coal**: Includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
    - Gas:
    - Batteries:
    - **Other:** Includes non-biogenic municipal solid waste, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
    - Thermal
    - **Nuke:**
    - **Solar:**
    - **Wind:**
    - Hydro:
    - GeoThermal:
    - Biomass:
    - Power Price:
    - Heat Rate:
    - Gas Price:
    - Malin500:
    - NOB:
    - Path 15:
    - Path 26:
    - Mead:
    - Palo Verde:

ISO LOAD FORECAST

Where



What

ISO Load Forecast Summary

Description

Related Reports: Summary – Hourly Chart – Daily Chart

Show 50 entries Search: Columns Excel CSV PDF

LOC	HT	HOURS	METRIC	TODAY+0	TODAY+1	TODAY+2	TODAY+3	TODAY+4	TODAY+5	TODAY+6	TODAY+7
Loc	HT		Metric								
AZPS	Eve	5	Forecast	4,065	4,252	4,538	4,396	4,406	4,162	4,055	3,924
AZPS	HL	16	Forecast	3,453	3,546	3,759	3,657	3,670	3,483	3,364	3,329
AZPS	LL	8	Forecast	2,841	2,784	2,889	2,823	2,875	2,878	2,809	2,689
AZPS	Morn	4	Forecast	2,786	2,724	2,835	2,778	2,807	2,647	2,501	2,665
AZPS	PM	10	Forecast	3,044	3,028	3,151	3,071	3,108	3,070	3,018	2,913
AZPS	SOL	5	Forecast	3,214	3,312	3,546	3,459	3,476	3,331	3,167	3,075
BANC	Eve	5	Forecast	1,672	1,750	1,779	1,623	1,657	1,385	1,251	1,479
BANC	HL	16	Forecast	1,426	1,469	1,471	1,367	1,385	1,169	1,087	1,272
BANC	LL	8	Forecast	1,037	1,049	1,038	992	1,009	957	906	952
BANC	Morn	4	Forecast	1,106	1,117	1,099	1,077	1,074	918	863	1,039
BANC	PM	10	Forecast	1,132	1,149	1,140	1,078	1,093	1,029	961	1,033
BANC	SOL	5	Forecast	1,402	1,436	1,428	1,321	1,343	1,095	1,064	1,218
BCHA	HL	6	Forecast	6,992							

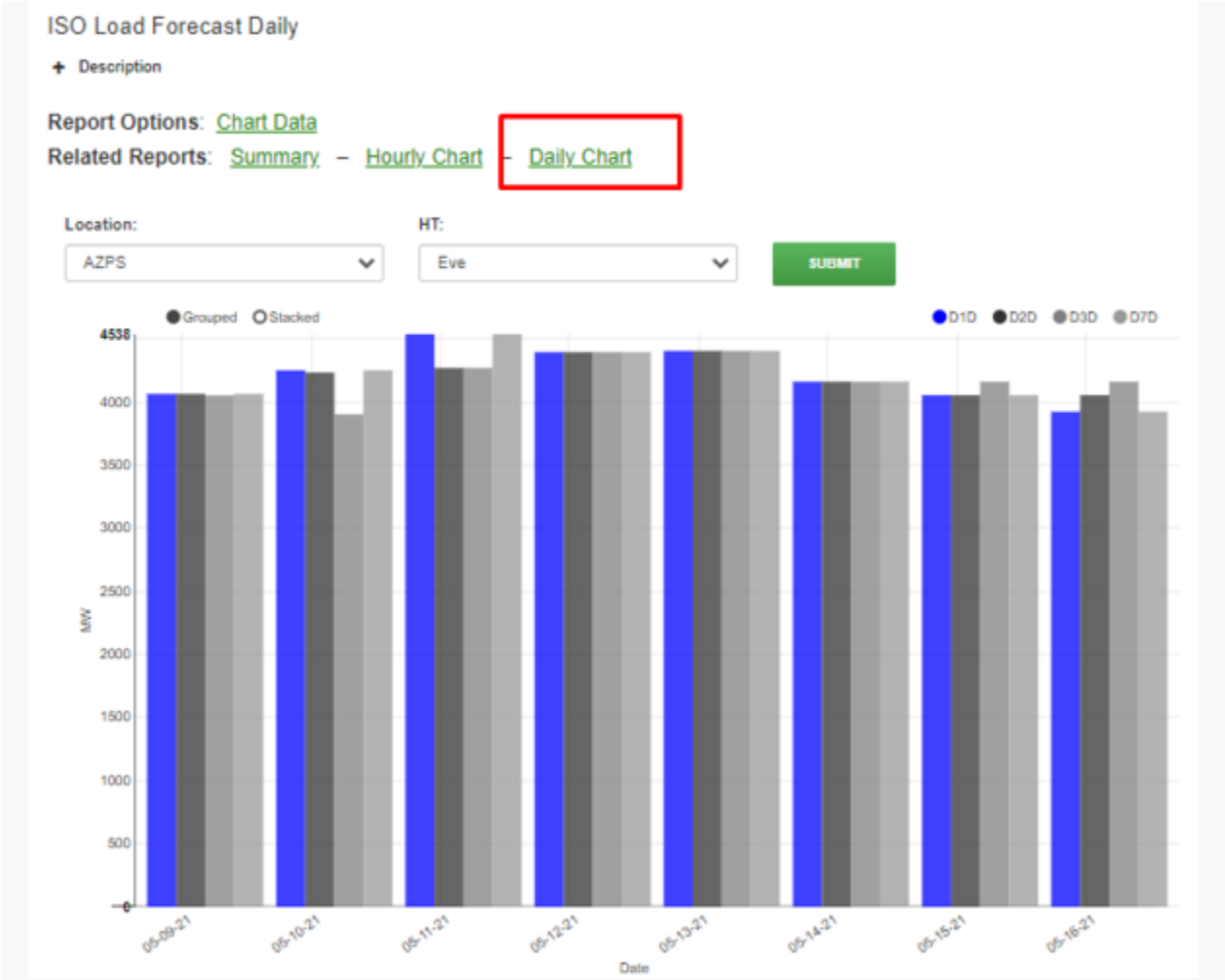
Acronyms

- LOC - Location
- HT - Hour Type
- HOURS - Hour being forecasted
- TODAY+0 - Todays forecasted load
- TODAY+1 - Tomorrows forecasted load
- TODAY+2, ETC - Forecasted load 2 days from now
- SHOW ENTRIES - Increase or decrease chart/table size
- COLUMNS - Hide or show additional columns
- EXPORT DATA - EXCEL/CSV/PDF

ISO LOAD FORECAST DAILY

Where

Main Menu / POWER / DEMAND / ISO DEMAND FORECAST / DAILY CHART



What

- Select location and HT (Hour Type) then click submit
- Compare forecast from today (D1D) VS 2 DAYS VS 3 DAYS VS 1 WEEK (D7D)
- Click the colored circle to hide or show additional data/line

- Loc – the location
    - BANC_SMUD
    - ISO
    - Northwest_IPCO
    - Northwest = IPCO+PACW+PGE+PSEI
    - Northwest_PACW
    - Northwest_PGE

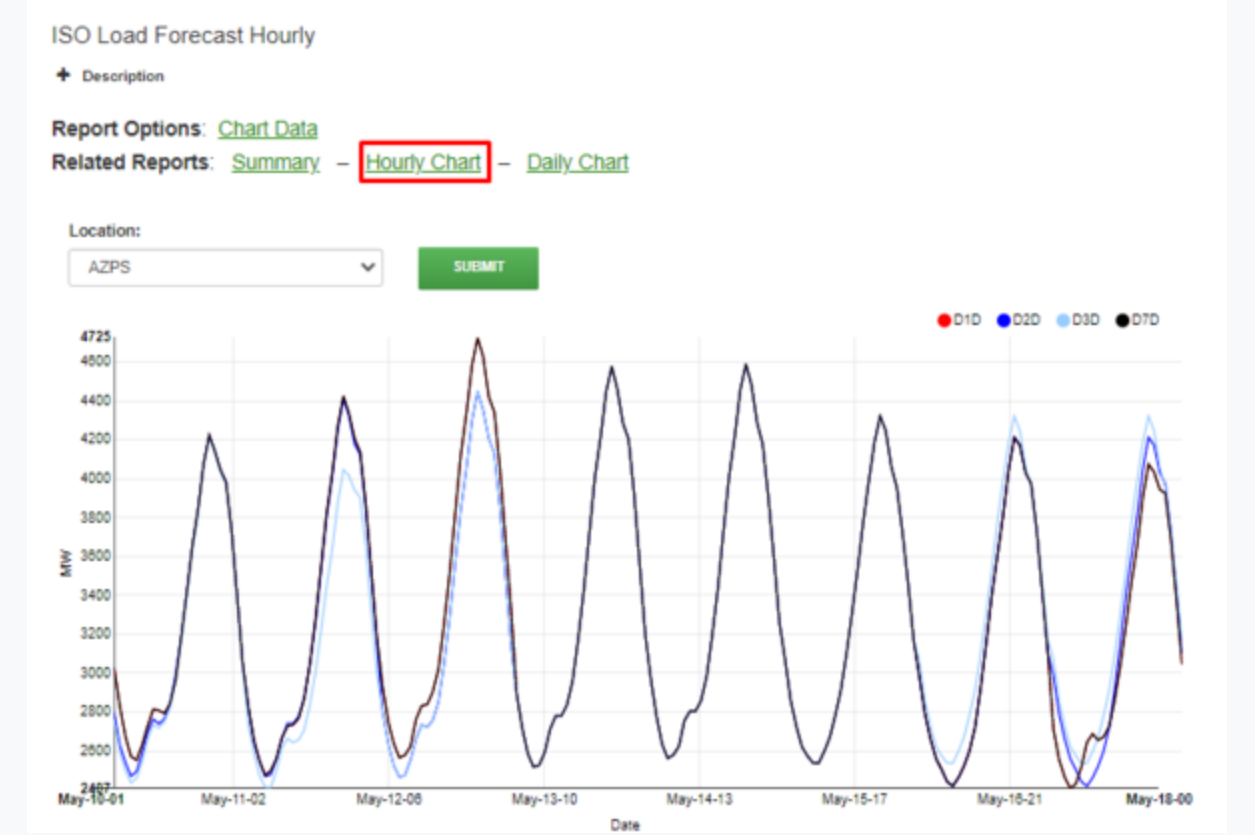
    - Northwest_PSEI
    - NP15 – PG&E
    - Southwest_AZPS
    - Southwest_NEVP
    - Southwest_PACE
    - Southwest = AZPS + NEVP + PACE
    - SP15_MWD
    - SP15_SCE
    - SP15_SDGE
    - SP15 = MWD + SCE + SDGE + VEA
    - SP15_VEA

- Date – the day being forecasted
- HT – there are five hour types
    - Flat – Hours 1 to 24
    - On-Peak – Hours 7 to 22
    - Off-Peak – Hours 1 to 6 and 23 to 24
    - Solar Ramp Up – Hours 11 to 16
    - Solar Ramp Down – Hours 19 to 21
- Hours – The number of hours in the hourtype
- D1D – The most recent ISO's forecast, typically today's forecast
- D2D – Yesterday's ISO forecast
- D3D – Three Days ago
- D7D – Seven Days ago

ISO LOAD FORECAST HOURLY

Where

Main Menu / POWER / ISO DEMAND FORECAST / HOURLY CHART



What

- Select location and hit submit
- Compare forecast from today to yesterday and so on (D1D) VS 2 DAYS VS 3 DAYS VS 1 WEEK (D7D)
- Click the colored circle to show or hide line
- Focus chart - change date range

ISO Major Units Outage Summary

Where

Main Menu / Power / Generation / ISO Major Units Outage Summary. This report is linked from the ISO Recent Outage Chart report.

What

The Cal ISO publishes a list of units off line each day; this report categorizes the data by hub, type, and fuel. This table shows outages at the unit level.

ISO Unit Status (Source Data)

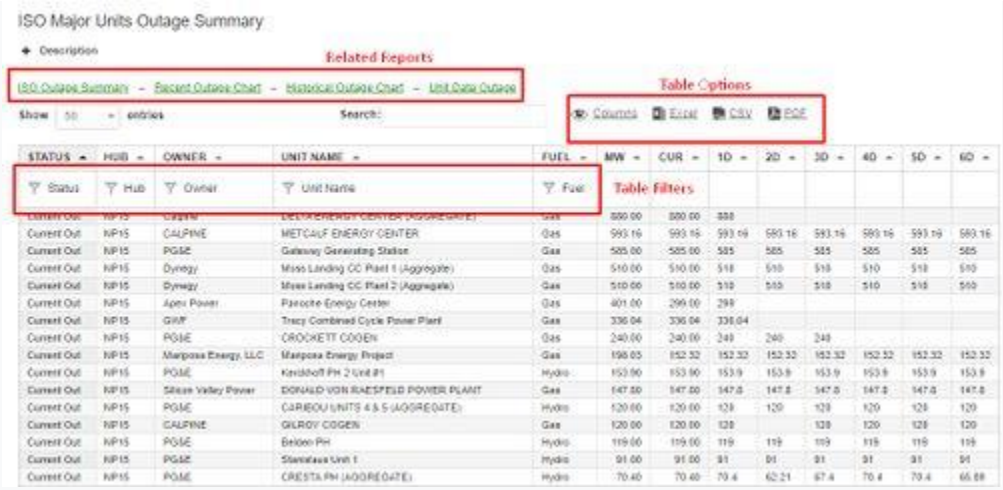


Table Description

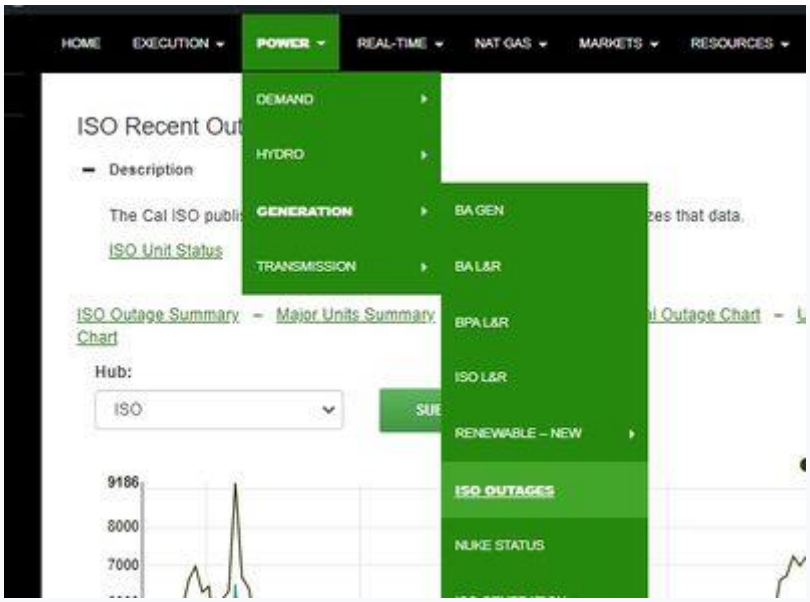
Outage Summary Fields

- Status: Current status of the plant (out or returned)
- Hub: Associated hub
- Owner: Plant Owner
- Unit Name: Associated ISO name of the plant
- Fuel: Fuel type associated with the plant
- MW: Capacity of the plant
- Cur: Current MW outage
- 1D - 6D: Previous MW outage

ISO Outage Summary

Where

Main Menu / Power / Generation / ISO Outage Summary



Menu Location

What

The Cal ISO publishes a list of units off line each day; this report summarizes that data. This chart is aggregated into hubs while another iteration is available at the unit level.

ISO Unit Status (Source Data)

Chart Details

Recent Outages Fields

- Total
- Bio
- Gas
- Geo
- Hydro
- Solar
- Wind

ISO Outage Unit Data

Where

Main Menu / Power / Generation / ISO Outage Unit Data. This report is linked from the ISO Recent Outage Chart report.

What

The Cal ISO publishes a list of units off line each day; this report offers a detailed description of that data. This table organizes outages into hubs, outage type, and fuel type, and shows how today's outages compare to those the previous nine days.

ISO Unit Status (Source Data)

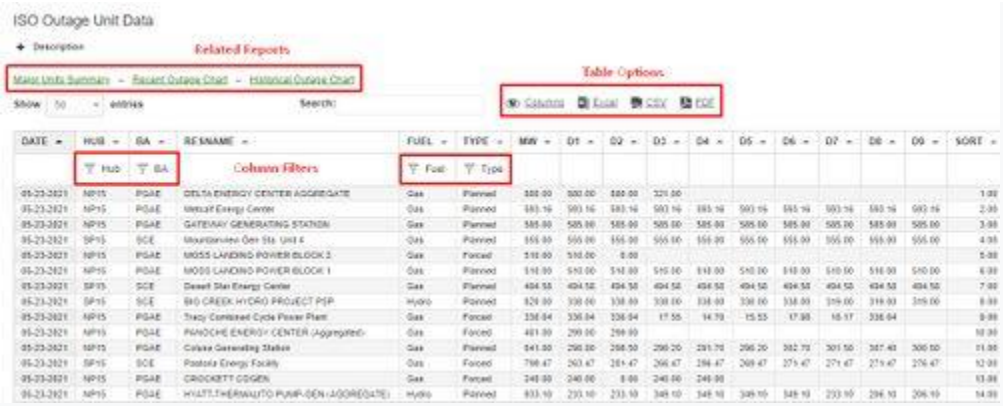


Table Description

Outage Summary Fields

- Date: Date the table was last updated
- Hub: Unit level outage data aggregated into corresponding hub
- BA: Unit level outage data aggregated into corresponding balancing authority
- Resname: Unit name
- Fuel: The fuel associated with the outage
- Type: The type of outage being reported (planned, forced, etc)
- MW: Capacity of unit
- D1-D9: Outages reported for corresponding day

ISO Outage summary

Where

Main Menu / Power / Generation / ISO Outage Summary. This report is linked from the ISO Recent Outage Chart report.

What

The Cal ISO publishes a list of units off line each day; this report summarizes that data. This table is aggregated into hubs, outage type, and fuel type. Another iteration of this data is available at the unit level.

ISO Unit Status (Source Data)

HUB	TYPE	FUEL	CUR	D1	W1	W2	M1	Y1	Y2	Y3	Y4
ISO Total	Hub Total by Fuel	All	10,638	12,022	10,457	10,668	12,628	8,622	8,743	9,308	4,460
ISO Total by Fuel	Hub Total by Fuel	Bio	180	220	232	190	184	88	339	541	210
ISO Total by Fuel	Hub Total by Fuel	Coal	95		38		242			189	
ISO Total by Fuel	Hub Total by Fuel	Gas	7,178	8,231	6,747	7,006	8,439	4,583	4,515	6,067	2,001
ISO Total by Fuel	Hub Total by Fuel	Geo	309	309	270	365	256	284	602	548	246
ISO Total by Fuel	Hub Total by Fuel	Hydro	2,586	2,580	2,719	2,772	3,175	3,410	2,489	1,827	1,740
ISO Total by Fuel	Hub Total by Fuel	Nuke									19
ISO Total by Fuel	Hub Total by Fuel	Oil			110		20			20	20
ISO Total by Fuel	Hub Total by Fuel	Solar	110	489	113	204	179	93	298		
ISO Total by Fuel	Hub Total by Fuel	Wind	180	193	228	131	133	164	500	116	224
NP15	Hub Total	All	7,372	7,934	6,508	6,246	6,720	3,833	3,701	4,720	2,070
SP15	Hub Total	All	2,921	3,633	3,588	3,058	4,214	4,575	4,699	3,756	2,246
ZP26	Hub Total	All	345	455	361	1,364	1,694	214	343	832	144
NP15	Hub Total by Fuel	Bio	132	172	93	143	141	44	53	204	81
NP15	Hub Total by Fuel	Gas	4,885	5,318	3,755	3,422	3,550	1,337	775	2,599	606
NP15	Hub Total by Fuel	Geo	309	309	270	365	256	284	602	534	246
NP15	Hub Total by Fuel	Hydro	2,014	2,013	2,155	2,259	2,637	2,044	2,096	1,312	1,100

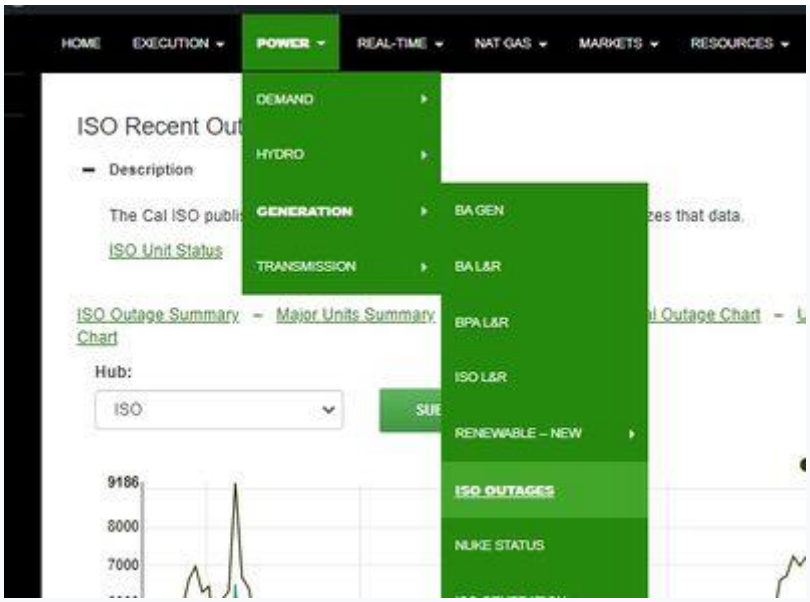
Outage Summary Fields

- Hub: Unit level outage data aggregated into corresponding hub
- Type: The type of outage being reported (planned, forced, etc)
- Fuel: The fuel associated with the outage
- Cur: Current outage in MW
- D1: Yesterday
- W1: One week prior
- W2: Two weeks prior
- M1: One month prior
- Y1: One year prior
- Y2: Two years prior
- Y3: Three years prior
- Y4: Four years prior

ISO Recent Outage

Where

Main Menu / Power / Generation / ISO Recent Outage



Menu Location

What

The Cal ISO publishes a list of units off line each day; this report summarizes that data. This chart is aggregated into hubs while another iteration is available at the unit level.

ISO Unit Status (Source Data)

Chart Details

Recent Outages Fields

- Total
- Bio
- Gas
- Geo
- Hydro
- Solar
- Wind

ISO Renewable Forecast

Where

Main Menu / Power / Generation / ISO Renewable Forecast

Menu Location

What

Ansergy uses the ISO's forecasts for both renewables and demand. These forecasts are used by almost all ISO participants but they disappear each day, to be replaced by the current forecast. These reports will capture how the ISO is changing their forecast. There are three reports.

NOTE: The ISO forecasts out five days, therefore D5D will only have one current date. The other dates are filled in using the last date.

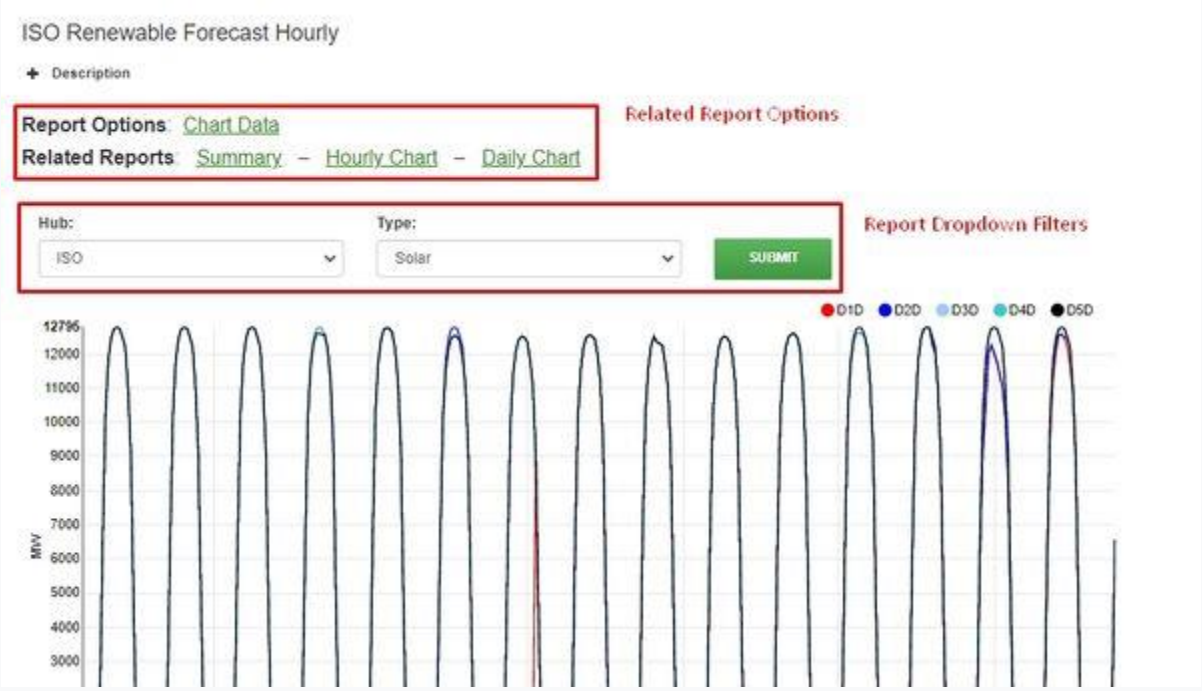


Chart Details

ISO L&R Fields

- Hub – The ISO location; four hubs
- NP15
- ZP26
- SP15
- ISO = NP+ZP+SP
- Date – The day being forecasted
- Hour – The hour being forecasted
- Type – Two types of renewables
- Solar
- Wind
- D1D – The most recent ISO's forecast, typically today's forecast
- D2D – Yesterday's ISO forecast
- D3D – Three Days ago
- D4D – Four Days ago
- D5D – Five Days ago

Market Vs Spot

Where

Main Menu / Execution / Market Vs. Spot[edit | edit source]

Menu Location

What

Market vs. Spot is a table that offers a historical context to current markets vs historical spot clears. The current year's settles are displayed in contrast to years going back to 2011.

Market Vs. Spot Fields

- **Hub** – 2 letter code; just the four traded hubs
- **HT** – HL or LL
- **Agg** – M, Q, or Y
- **Perid** – used for filtering; to filter Q3, filter out “Q” on AGG and 3 on PerID
- **Period** – the TradeRank period name
- **Metric** – PP = Power Price; HR = Heat Rate
- **FC** – Forecast (from TradeRank)
- **Market** – From TradeRank
- **AD** – Average Delta computed by comparing Market to prior year spot settles. AD = AVG(All Year % Deltas)
- **PYD** – Prior Year Delta – the % delta as compared to the prior year settle
- **Y2021 to y2011** – the average settles for those years
- **AOD** – As of Date – the market price date

Monthly Degree Days

Where

[Main Menu / Power / Demand / Weather Actuals / Daily Degree Days]

Why

Degree days shown by city and month for a large selection of years.

What

- Filter by City
- Select Month
- Compare this year to past years or vs the 5 year average
- Show or Hide Columns
- Export to Excel or CSV

NOAA Weather

Main Menu / Power / Demand / NOAA Weather

Why

This report allows you to look at a specific weather location and compare previous NOAA runs, including the 0z, 6z, 12z, and 18z

What

- View either by Metrics or Runs
- Filter out selected runs to compare
- Select which location you'd like to research (wxcode)
- Choose your metric - Temperature, Humidity, Wind at 10 meters, Wind at 80 meters (location of windmill blades), cloud cover, pressure or precipitation
- Select future dates or certain hours
- Click table to move from chart to table view. This will show the data for the chart shown
- **Chart Options:** Label chart axes, and add a second axes
- Select the blue columns to show to hide a column or change the axes, as well as change the line type
- Download Data - Allows you to download all the data shown in the chart or table to CSV
- Click one of the colored boxes to hide that data line in the chart

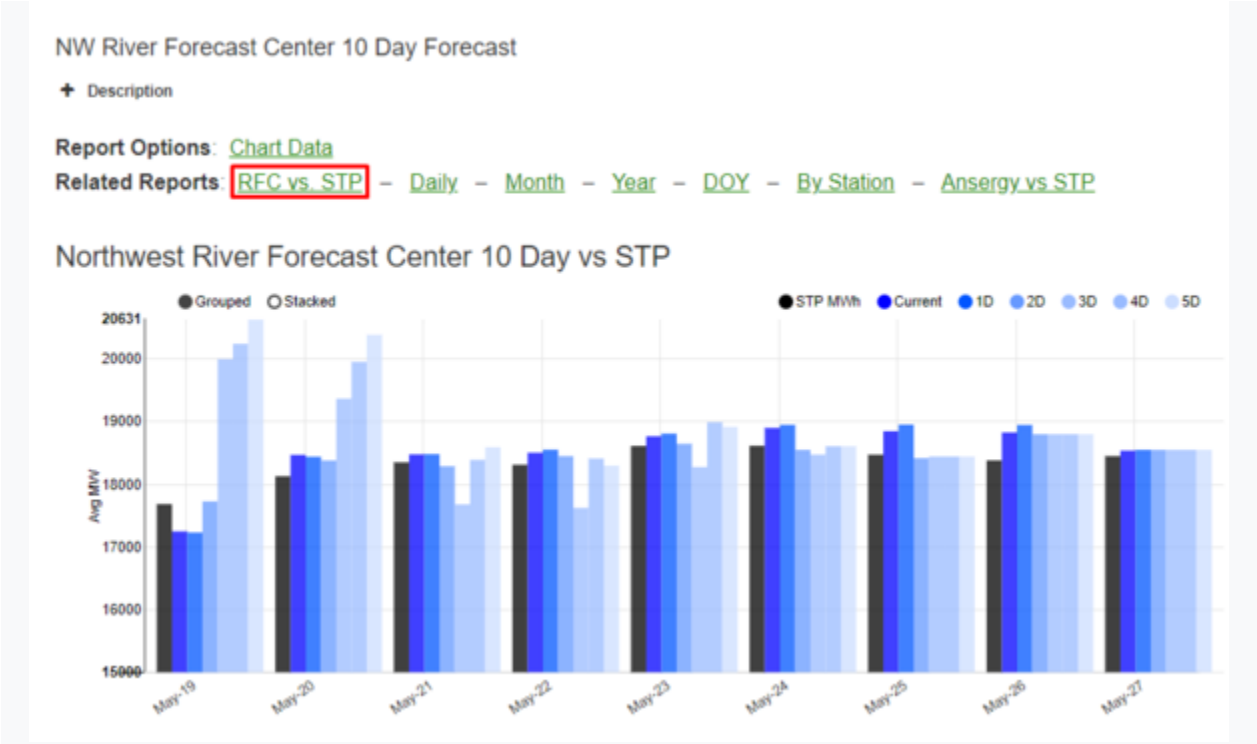
Set/View Alerts

TradeRank Alerts are often utilized by users that wish to know when a weather metric reaches a desired outcome. When that outcome is reached, an email will be automatically sent to that user's inbox with a notification. A detailed tutorial of how to set and use Alerts can be found on the Ansergy website using this link.

Page Size[edit | edit source]

By default, the NOAA interface will return 300 records. You can display up to 1000 records in a report by changing the page size to 1000. Enter the integer and hit the [ENTER] key. This feature is useful for creating downloads as the number of records downloaded will be set by the Page Size. This filter also controls the size (or length of time) being displayed in a chart.

NWRFC 10Day



Where

[Main Menu / Power / Hydro / STP Reports / RFC vs STP]

Why

Last seven NWRFC 10 day forecasts converted into energy (aMW) plus the most recent STP forecast for those same days. Useful for identifying mid-week changes to the RFC's outlook and can act as a leading indicator of the direction the RFC will take in the next STP release. All values are expressed in aMW. Tip: click the legend name to remove that line from the chart.

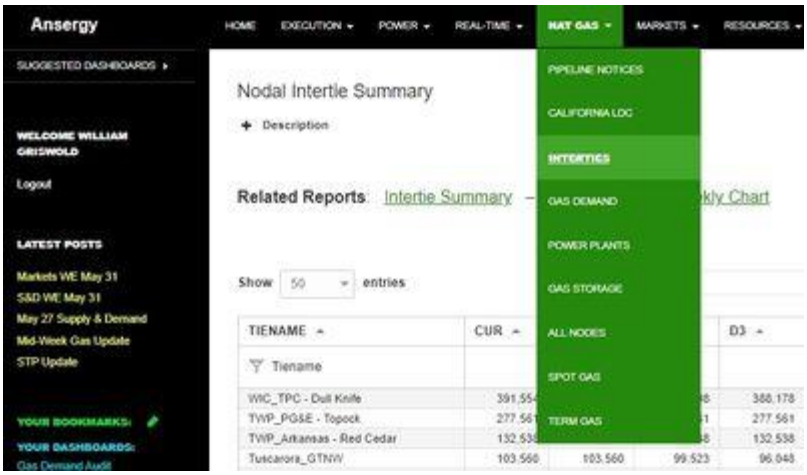
What

- Click a colored circle to turn on or off a specific line item
- Toggle between grouped or stacked chart

Nodal Intertie Summary

Where

Main Menu / Natural Gas / Nodal Intertie Summary



What

A summary of how gas flows across pipelines. There are over 40 points in the data-set and all are measured in MCF (thousand cubic feet). The table allows the intertie data to be compared across time, specifically from the most current data to the previous four days as well as the historical minimum, maximum, and average.

Westcoast data source link

Nodal Intertie Summary

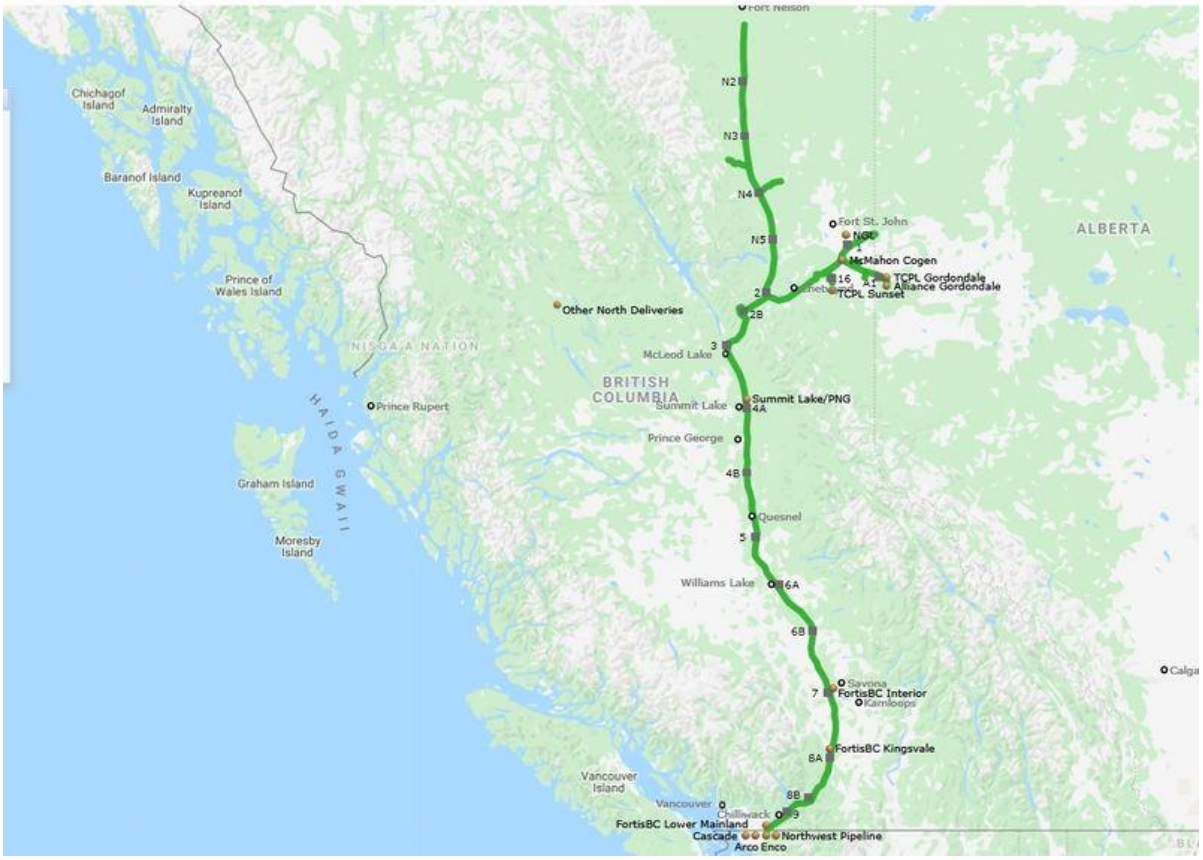
+ Description

Related Reports: Intertie Summary – Daily Chart – Weekly Chart

Show 50 entries Search: Columns Excel CSV PDF

TIENAME	CUR	D1	D2	D3	D4	MIN	MAX	AVG
Tiename								
WIC_TPC - Dull Knife	391,554	391,498	391,498	388,178	417,357	23,622	749,202	536,333
TWP_PG&E - Topock	277,561	277,561	277,561	277,561	282,199	0	681,203	150,882
TWP_Arkansas - Red Cedar	132,538	132,538	132,538	132,538	133,345	10,141	264,870	160,894
Tuscarora_GTNW	103,560	103,560	99,523	96,048	84,805	10,576	230,849	117,905
Socal_TWP - Topock	0	0	0	0	0	0	248,292	14,392
Socal_TWP - Needles	238,374	238,374	238,419	238,549	238,549	0	783,522	354,761
Socal_PG&E - Wheeler	222,086	223,314	223,314	223,818	223,314	0	521,208	219,314
Socal_Mojave - Wheeler	571,751	571,751	571,751	571,751	581,127	29,754	765,396	501,310
Socal_Mojave - Kramer	485,279	485,296	487,255	487,255	533,449	12,312	739,000	506,599
Socal_EPNG - Topock	96,435	96,435	96,613	96,613	96,613	0	520,182	70,304
Socal_EPNG - Ehrenberg	653,851	674,010	673,846	653,851	673,846	405,270	1,086,534	759,781
TWP_Socal - Needles	240,685	240,715	240,773	242,510	242,555	0	774,684	319,416
Vancouver Area Demand			525,819	489,811	498,966			
Westcoast - Aitken Creek	29,917	32,167	55,319	40,389	30,917			
WIC_CPG - Thunder Chief	234,147	234,147	233,593	233,593	226,951	19,590	533,145	203,732
WIC_CIG - Thunder Chief	234,147	234,147	233,593	233,593	226,951	19,590	533,146	203,742

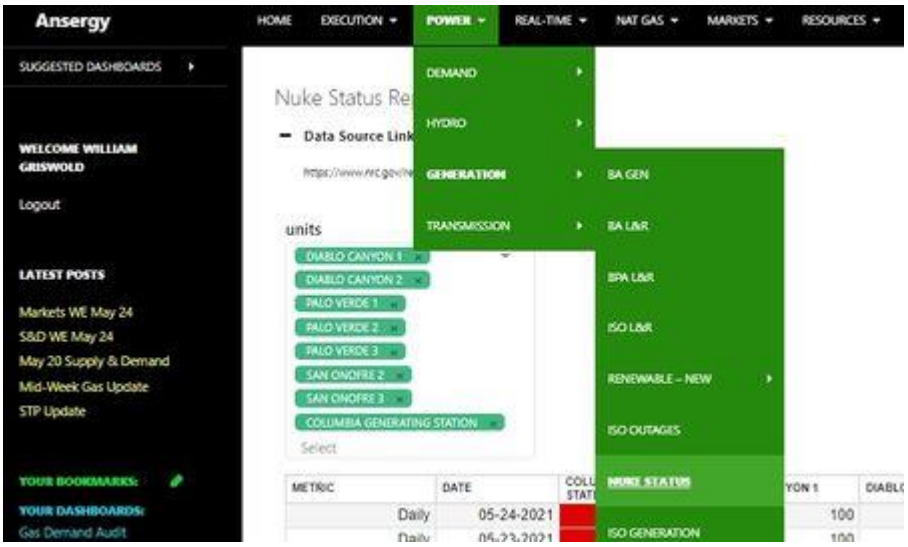
Table Depiction



Nuke Status

Where

Main Menu / Power / Generation / Nuke Status.



What

The US Nuclear Regulatory Commission releases a plant status report twice a day (4 AM and 8 AM Eastern), this report displays that information in an easy to read format.

Note that 100 signifies the plant is running at full capacity, while 0 represents 0% capacity as the plant is fully offline.

NRC Data Source

METRIC	DATE	COLUMBIA GENERATING STATION	DIABLO CANYON 1	DIABLO CANYON 2	PALO VERDE 1	PALO VERDE 2	PALO VERDE 3
Daily	05-24-2021	[illegible]	100	100	100	100	70
Daily	05-23-2021	[illegible]	100	100	100	[illegible]	29
Daily	05-22-2021	[illegible]	100	100	100	[illegible]	[illegible]
Daily	05-21-2021	[illegible]	100	100	100	[illegible]	[illegible]
Daily	05-20-2021	[illegible]	100	100	100	[illegible]	[illegible]
Daily	05-19-2021	[illegible]	100	100	100	100	[illegible]
Daily	05-18-2021	[illegible]	100	100	100	100	[illegible]
Daily	05-17-2021	[illegible]	100	100	100	100	[illegible]
Daily	05-16-2021	[illegible]	100	100	100	100	[illegible]
Daily	05-15-2021	[illegible]	100				
Weekly	2021 W20	[illegible]	100	100	100	60	49.5
Weekly	2021 W19	[illegible]	100	100	100	58	[illegible]
Weekly	2021 W18	[illegible]	100	100	100	100	[illegible]

Table Description

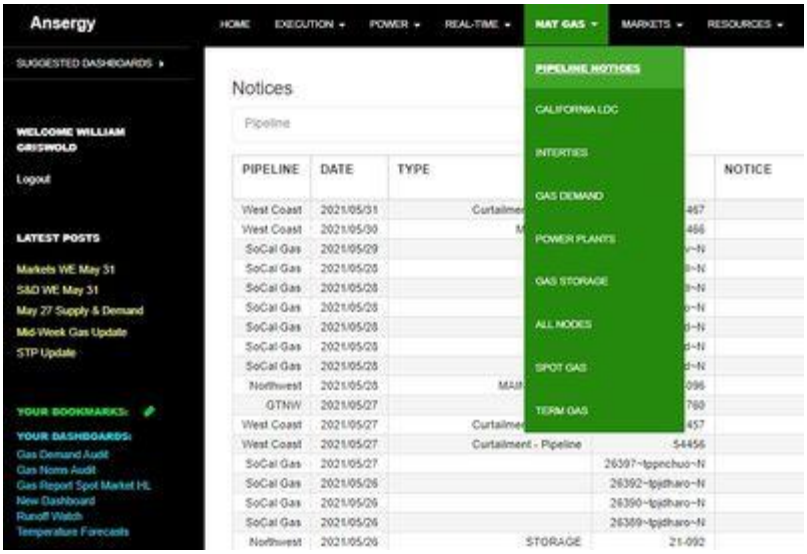
Outage Summary Fields

- Metric: Displays daily, weekly, or yearly aggregations of plant data. Daily is the latest capacity reading for that corresponding date, while weekly and yearly are averages for their respective periods
- Date: The date or period being displayed in the respective row
- Plant Fields: Plants selected from the "units" filter located above the table will be displayed in this section. The image above contains the six WECC plants.

Pipeline Notices

Where

Main Menu / Natural Gas / Pipeline Notices



What

Ansergy scrapes critical and non-critical notices posted by various Pipelines including:

- Gas Transmission Northwest
- Westcoast Energy Inc
- Northwest Pipeline
- SoCal Gas

The table includes links to the actual notice and includes a field that signifies the type of notice being displayed (maintenance, force, etc.)

Precip SWE Summary

PRE & SWE Summary

+ Description

Report Options: Basin Level Chart

Related Reports: Station Level Data – Basin Level Data – Basin Level – Change – PRE & SWE Summary

Show 50 entries Search: Columns Excel CSV PDF

AGG	HUB	PROD BASIN	LOC	ELEV	GROUP	CMW	METRIC	CUR	D1	D2	W1	W2	W3	2021	2020
Agg	Hub	Prod Basin	Loc		Group		Metric								
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		PRE	27.12	28.77	28.43	31.18	30.91	33.64	27.12	31.80
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		PRE AVG	26.04	26.56	27.09	30.18	29.61	32.42	26.04	26.01
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		PRE PER	1.08	1.08	1.05	1.03	1.04	1.03	1.08	1.27
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		SWE	27.12	28.77	28.43	31.18	30.91	33.64	27.12	31.80
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		SWE AVG	26.04	26.56	27.09	30.18	29.61	32.42	26.04	26.01
Hub	BC Hydro	BC Hydro	BC Hydro	5,797	6		SWE PER	1.08	1.08	1.05	1.03	1.04	1.03	1.08	1.27
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	PRE	20.57	20.32	20.07	18.91	18.67	18.23	20.57	22.52
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	PRE AVG	26.86	26.83	26.74	26.16	24.43	23.78	26.86	26.83
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	PRE PER	0.80	0.79	0.78	0.78	0.78	0.77	0.80	0.87
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	SWE	2.31	2.39	2.29	2.81	5.40	7.93	2.31	5.40
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	SWE AVG	6.56	6.89	7.30	9.22	11.81	13.58	6.56	6.89
Hub	Idaho	Idaho	Idaho	7,463	7	2,349	SWE PER	0.35	0.35	0.31	0.30	0.46	0.58	0.35	0.78
Hub	LDWP	LDWP	LDWP	8,427	8		PRE	19.14	19.14	19.27	18.51	18.14	18.14	19.14	20.83
Hub	LDWP	LDWP	LDWP	8,427	8		PRE AVG	32.46	32.46	32.46	32.09	31.66	31.29	32.46	32.46
Hub	LDWP	LDWP	LDWP	8,427	8		PRE PER	0.59	0.59	0.59	0.58	0.57	0.58	0.59	0.64
Hub	LDWP	LDWP	LDWP	8,427	8		SWE	1.21	1.21	1.21	1.29	2.13	4.57	1.21	2.10
Hub	LDWP	LDWP	LDWP	8,427	8		SWE AVG	5.33	5.71	5.95	7.91	11.43	15.01	5.33	5.71
Hub	LDWP	LDWP	LDWP	8,427	8		SWE PER	0.23	0.21	0.20	0.16	0.19	0.30	0.23	0.37
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	PRE	46.03	44.99	46.06	43.90	43.74	43.18	46.03	46.42
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	PRE AVG	47.78	47.71	47.86	47.09	46.27	46.62	47.78	47.43
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	PRE PER	0.94	0.94	0.95	0.93	0.95	0.95	0.94	1.02
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	SWE	9.01	9.37	9.60	10.33	13.73	16.31	9.01	10.18
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	SWE AVG	8.73	9.12	9.48	11.28	14.01	16.58	8.73	8.96
Hub	Mid-C	Mid-C	Mid-C	4,938	5	30,254	SWE PER	1.03	1.03	1.01	0.92	0.98	0.98	1.03	1.13
Hub	Montana	Montana	Montana	6,397	6	2,008	PRE	29.68	29.43	28.88	26.61	26.50	25.97	29.68	29.24
Hub	Montana	Montana	Montana	6,397	6	2,008	PRE AVG	31.32	31.28	31.17	30.34	29.53	28.77	31.32	30.76
Hub	Montana	Montana	Montana	6,397	6	2,008	PRE PER	0.95	0.94	0.92	0.88	0.90	0.90	0.95	0.95
Hub	Montana	Montana	Montana	6,397	6	2,008	SWE	8.84	9.01	8.99	8.23	12.27	13.49	8.84	12.19
Hub	Montana	Montana	Montana	6,397	6	2,008	SWE AVG	10.46	10.91	11.28	13.28	15.92	17.28	10.46	10.30
Hub	Montana	Montana	Montana	6,397	6	2,008	SWE PER	0.84	0.83	0.80	0.62	0.77	0.78	0.84	1.18
Hub	NCPA	NCPA	NCPA	7,196	7	1,827	PRE	20.70	20.70	20.68	19.88	19.64	19.64	20.70	24.30
Hub	NCPA	NCPA	NCPA	7,196	7	1,827	PRE AVG	36.24	36.20	36.17	35.85	35.29	34.67	36.24	36.20
Hub	NCPA	NCPA	NCPA	7,196	7	1,827	PRE PER	0.57	0.57	0.57	0.55	0.56	0.57	0.57	0.67

Where

[Main Menu / Power / Hydro / Water Supply / Snow Reports / PRE & SWE Summary]

Why

This summary allows users to see hydro metrics based on Snow Basin and Production Basin. Note; BC doesn't provide Precipitation data so we use SWE for Canada.

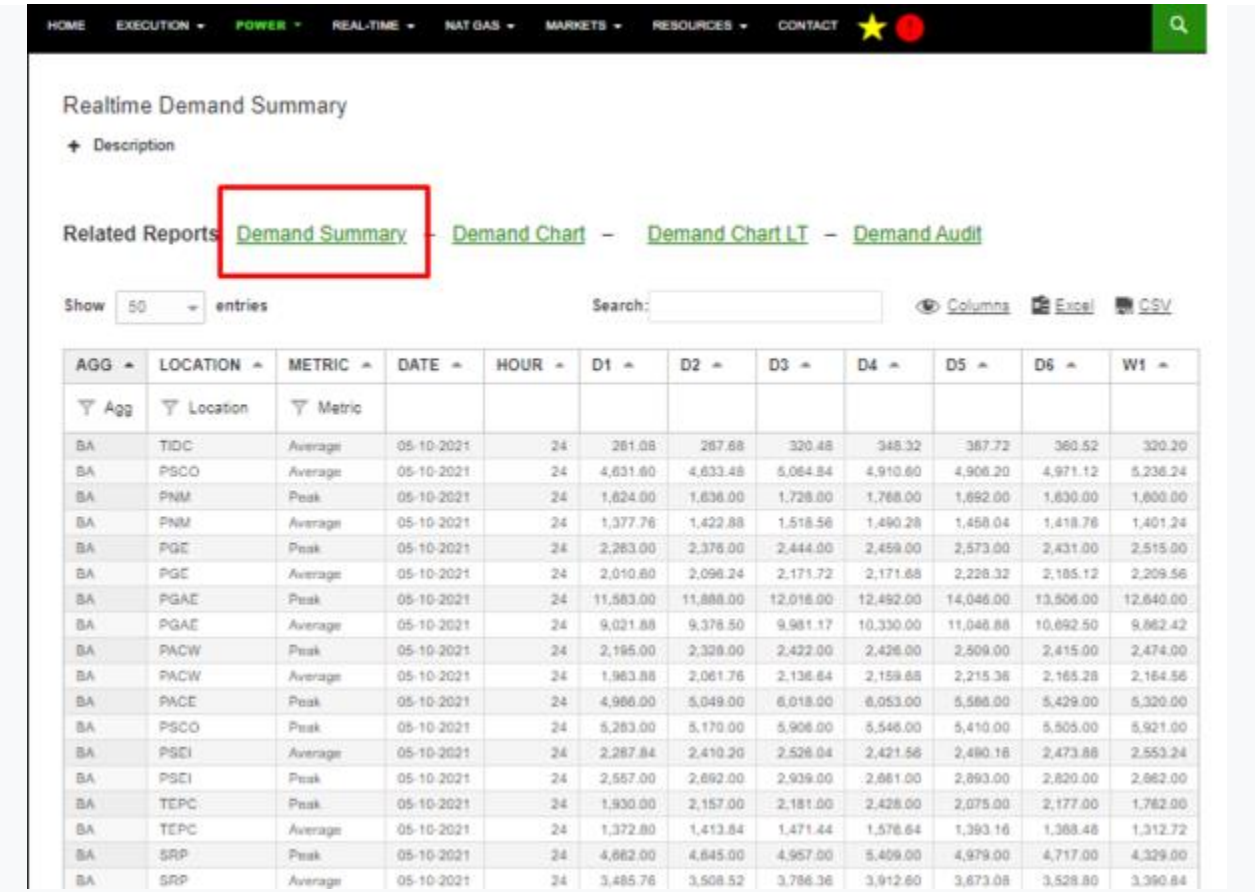
What

- View table by Agg (Aggregated region), Hub, and Basin
- CMW (Cumulative MW)
- % of AVG (Percent of Average Snow water equivalent)
- Download data via the Excel, CSV, or PDF button

REALTIME DEMAND SUMMARY

Where

Main Menu / POWER/DEMAND/BA DEMAND ACTUALS



AGG	LOCATION	METRIC	DATE	HOUR	D1	D2	D3	D4	D5	D6	W1
Agg	Location	Metric									
BA	TIDC	Average	05-10-2021	24	281.08	287.68	320.48	348.32	387.72	360.52	320.20
BA	PSCO	Average	05-10-2021	24	4,631.60	4,633.48	5,064.84	4,910.60	4,906.20	4,971.12	5,236.24
BA	PNM	Peak	05-10-2021	24	1,624.00	1,636.00	1,728.00	1,768.00	1,692.00	1,630.00	1,600.00
BA	PNM	Average	05-10-2021	24	1,377.76	1,422.88	1,518.56	1,490.28	1,458.04	1,418.76	1,401.24
BA	PGE	Peak	05-10-2021	24	2,283.00	2,376.00	2,444.00	2,459.00	2,573.00	2,431.00	2,515.00
BA	PGE	Average	05-10-2021	24	2,010.60	2,096.24	2,171.72	2,171.68	2,228.32	2,185.12	2,209.56
BA	PGAE	Peak	05-10-2021	24	11,583.00	11,888.00	12,016.00	12,492.00	14,046.00	13,506.00	12,640.00
BA	PGAE	Average	05-10-2021	24	9,021.88	9,378.50	9,981.17	10,330.00	11,046.88	10,692.50	9,862.42
BA	PACW	Peak	05-10-2021	24	2,195.00	2,328.00	2,422.00	2,426.00	2,509.00	2,415.00	2,474.00
BA	PACW	Average	05-10-2021	24	1,983.88	2,061.76	2,136.64	2,159.68	2,215.36	2,165.28	2,164.56
BA	PACE	Peak	05-10-2021	24	4,986.00	5,049.00	6,018.00	6,053.00	5,586.00	5,429.00	5,320.00
BA	PSCO	Peak	05-10-2021	24	5,283.00	5,170.00	5,906.00	5,546.00	5,410.00	5,505.00	5,921.00
BA	PSEI	Average	05-10-2021	24	2,287.84	2,410.20	2,526.04	2,421.56	2,490.16	2,473.88	2,553.24
BA	PSEI	Peak	05-10-2021	24	2,557.00	2,692.00	2,939.00	2,661.00	2,893.00	2,820.00	2,862.00
BA	TEPC	Peak	05-10-2021	24	1,930.00	2,157.00	2,181.00	2,428.00	2,075.00	2,177.00	1,762.00
BA	TEPC	Average	05-10-2021	24	1,372.80	1,413.84	1,471.44	1,576.64	1,393.16	1,368.48	1,312.72
BA	SRP	Peak	05-10-2021	24	4,682.00	4,645.00	4,957.00	5,409.00	4,979.00	4,717.00	4,329.00
BA	SRP	Average	05-10-2021	24	3,485.76	3,508.52	3,786.36	3,912.60	3,673.08	3,528.80	3,390.84

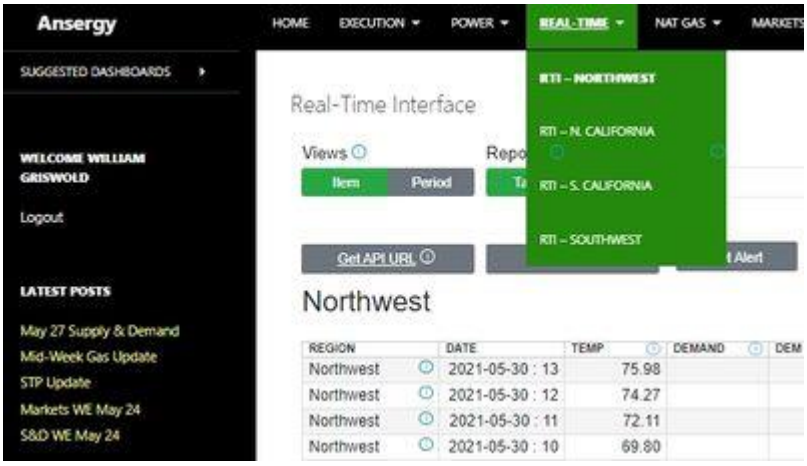
What

- AGG - Aggregation via BA/HUB/REGION/WECC
- LOCATION - select location
- METRIC - Average or Peak
- D1 - Today
- D2 - Tomorrow
- D3 - 2 Days from now
- SHOW ENTRIES - Expand or reduce data shown
- COLUMNS - Hide or show columns
- EXPORT - EXCEL OR CSV

Real Time Reports

Where

Main Menu / Real Time



What

This report is an aggregate of all elements/data points that are updated intra-hour within the Ansergy website. There are four reports links on the menu -- Northwest, Southwest, Northern California, and Southern California. Despite having separate menu links, all four reports are housed within the same interface and can be accessed by changing the "Region" filter.

The data can be viewed within a table, or accessed via a chart. Select either with the "Reports" filter.

Real-Time Interface

Views: Item | Period
Reports: Table | Chart
Date: Date
Region: Northwest
Page Size: 30
Filter Columns

Get API URL | Download | Set Alert | View Alerts
Auto-reload (last reloaded at 12:07:49): off | 5 min | 15 min | 1 hour

Northwest

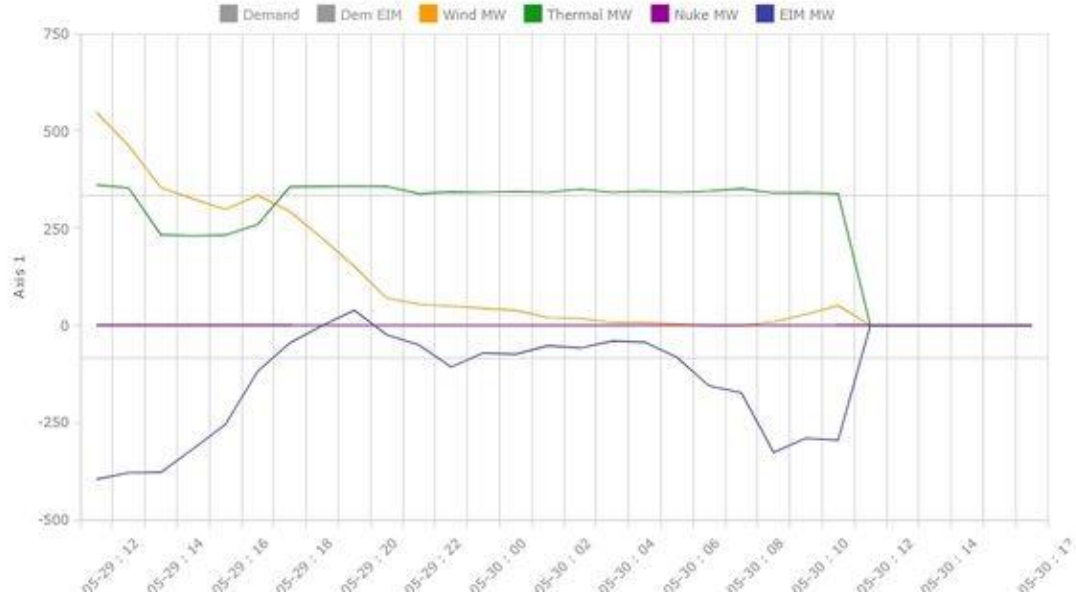
REGION	DATE	TEMP	DEMAND	DEM EIM	BC LOAD	GAS $	EIM $	CJACK HR	CJACK DA	CJACK HA	MALIN DA	MALIN HA	MALIN HR	NOB DA
Northwest	2021-05-30 : 16	78.66		10300.79		2.75		6.98	33.74		33.72		12.21	30.50
Northwest	2021-05-30 : 15	79.36		10025.99		2.75		6.68	32.28		32.27		11.69	29.97
Northwest	2021-05-30 : 14	78.93		9865.91		2.75		5.90	28.52		28.51		10.32	26.07
Northwest	2021-05-30 : 13	77.41		9751.87		2.75		3.84	18.57		18.56		6.72	16.61
Northwest	2021-05-30 : 12	75.05		9694.91		2.75		2.27	10.99		10.99		3.98	7.93
Northwest	2021-05-30 : 11	72.94		11064.48	6404.59	2.75	10.65	1.69	8.20	15.21	8.19	15.21	2.97	4.55
Northwest	2021-05-30 : 10	71.83	17062.00	10946.65	6336.35	2.75	6.67	1.43	6.92	8.51	6.92	8.50	2.50	4.44
Northwest	2021-05-30 : 09	68.62	15305.00	10591.90	6138.18	2.75	4.15	1.70	8.24	13.50	8.24	13.50	2.98	6.94
Northwest	2021-05-30 : 08	65.02	14623.00	10152.62	5868.10	2.75	-0.32	2.26	10.95	2.63	10.95	2.63	3.96	9.64
Northwest	2021-05-30 : 07	61.16	13965.00	9717.70	5517.77	2.75	1.06	4.45	21.49	15.95	21.49	15.95	7.78	21.59
Northwest	2021-05-30 : 06	59.25	13474.00	9520.83	5353.52	2.75	16.39	6.52	31.49	27.80	31.47	27.80	11.40	31.44
Northwest	2021-05-30 : 05	58.11	13301.00	9297.21	5243.49	2.75	18.68	7.12	34.42	29.43	34.40	29.43	12.46	34.37
Northwest	2021-05-30 : 04	56.63	13231.00	9222.26	5209.25	2.75	20.06	6.94	33.55	29.68	33.54	29.68	12.15	33.50
Northwest	2021-05-30 : 03	57.61	13358.00	9229.26	5209.08	2.75	20.13	6.81	32.91	29.48	32.90	29.48	11.92	32.86
Northwest	2021-05-30 : 02	58.61	13648.00	9365.78	5270.32	2.75	19.81	6.74	32.56	29.56	32.54	29.56	11.78	32.50
Northwest	2021-05-30 : 01	60.20	14193.00	9640.87	5232.79	2.75	20.35	6.88	33.27	29.73	33.25	29.73	12.05	33.20
Northwest	2021-05-30 : 00	61.95	13081.00	10604.20	6199.91	2.75	21.45	7.46	36.08	30.98	34.00	30.98	12.31	36.00
Northwest	2021-05-29 : 23	63.74	15909.00	10845.99	5624.66	2.75	21.18	7.82	37.79	31.45	37.76	31.45	13.68	37.72
Northwest	2021-05-29 : 22	64.88	16705.00	11558.73	5990.32	2.75	22.89	8.77	42.36	36.78	42.34	36.79	15.34	42.29
Northwest	2021-05-29 : 21	66.48	16953.00	12015.72	6207.51	2.75	25.58	10.30	49.74	44.05	49.71	44.06	18.01	49.68
Northwest	2021-05-29 : 20	68.93	17204.00	12169.45	6342.76	2.75	28.47	12.57	60.71	46.68	60.67	46.69	21.98	53.53
Northwest	2021-05-29 : 19	71.72	17325.00	12191.29	6387.44	2.75	30.66	11.77	56.87	39.71	56.84	39.72	20.59	56.75
Northwest	2021-05-29 : 18	74.69	17174.00	12208.39	6409.30	2.75	25.32	9.17	44.29	27.07	44.26	27.08	16.03	44.21
Northwest	2021-05-29 : 17	77.04	16822.00	11959.56	6347.57	2.75	21.02	6.60	31.91	23.41	33.46	23.41	12.12	20.61
Northwest	2021-05-29 : 16	77.81	16509.00	11526.41	6349.02	2.75	12.87	4.79	23.16	19.48	23.19	19.49	8.40	15.03
Northwest	2021-05-29 : 15	76.80	16345.00	11330.44	6207.81	2.75	12.82	4.43	21.40	16.20	21.39	16.20	7.75	14.91
Northwest	2021-05-29 : 14	74.47	16261.00	11159.22	6168.24	2.75	9.66	3.10	14.97	15.44	14.97	15.43	5.42	8.01
Northwest	2021-05-29 : 13	71.48	16335.00	11128.23	6109.27	2.75	1.41	2.51	12.16	14.08	12.16	14.08	4.40	5.73

Real-Time Interface

Views: Item | Period
Reports: Table | Chart
Date: Date
Region: Northwest
Page Size: 30
Chart Options

Get API URL | Download | Set Alert | View Alerts
Auto-reload (last reloaded at 12:12:49): off | 5 min | 15 min | 1 hour

Northwest



Realtime Reports Options

Views

A view is a way to control what is displayed in the columns - think pivot tables. There are four views

- **Hub View** - all hubs are columns with dates and items as records down; this view is useful for viewing WECC-wide data across multiple date ranges, especially if you filter to a single item. This view is useful for plotting one hub against another when a single item is selected.
- **Item View** - all items are columns with hubs and dates as records down. The Item View is useful for charting two or more items against each other. For example, plotting hydro against demand, or demand against heat rates
- **Period View** - Periods across, hubs and items down. Useful when looking at a single hub to determine changes across time. This view does not plot well.
- **Hour Type View** - Hour Types across (HL, LL or Flat) and dates, hubs, and items down. Useful for comparing the hour types and makes a nice On:Off chart.

Reports

The report object allows you to toggle between Data and Chart views. All View controls are available in both reporting types.

As a note, some views chart better than others. By default, the chart will attempt to render whatever was selected in the Report View. If that view is not filtered, the chart will be meaningless, usually.

Date Filter

The Date Filter is used to look at one specific period where the available periods are determined by the aggregation level selected. This filter is useful for drilling down to a single period, otherwise the Forecast Interface will display all periods in date ascending order.

Region

Use this filter to change the data being displayed to either Northwest, Southwest, Northern California, or Southern California.

Page Size

By default, the interface will return 30 records. You can display up to 1000 records in a report by changing the page size to 1000. Enter the integer and hit the [ENTER] key. This feature is useful for creating downloads as the number of records downloaded will be set by the Page Size. This filter also controls the size (or length of time) being displayed in a chart.

Get API URL

This object generates an API based off the setting that were selected at the time of clicking. The API allows the data to be embedded within a 3rd part application.

Download Data

The table can be downloaded/exported in two formats. The first allows a user to download exactly what is being displayed in the table, this is signified as "current screen" in the download options. The second allows a user to download according to region where all aggregations are included for Power Price, Gas Price, and Heat Rate.

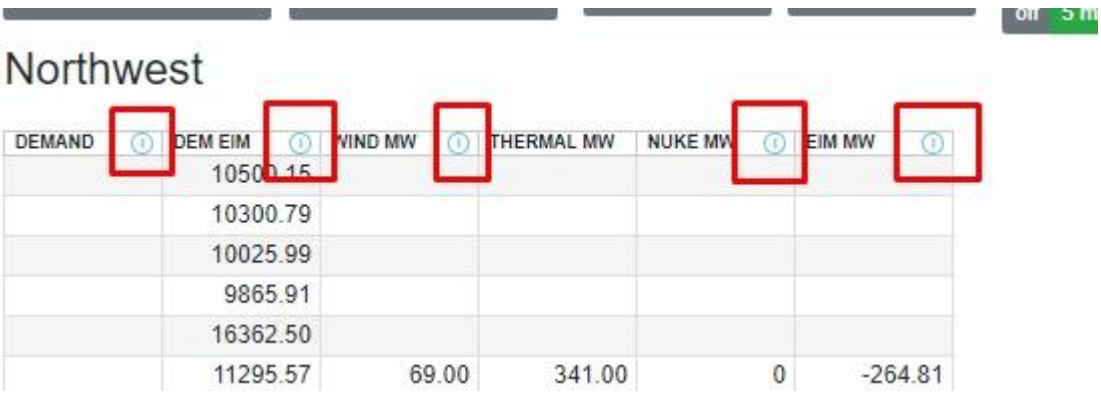
Set/View Alerts

TradeRank Alerts are often utilized by users that wish to know when Ansergy's forecast, the market price, etc, have reached a desired outcome. When that outcome is reached, an email will be automatically sent to that user's inbox with a notification. A detailed tutorial of how to set and use Alerts can be found on the Ansergy website using this link.

Filter Columns

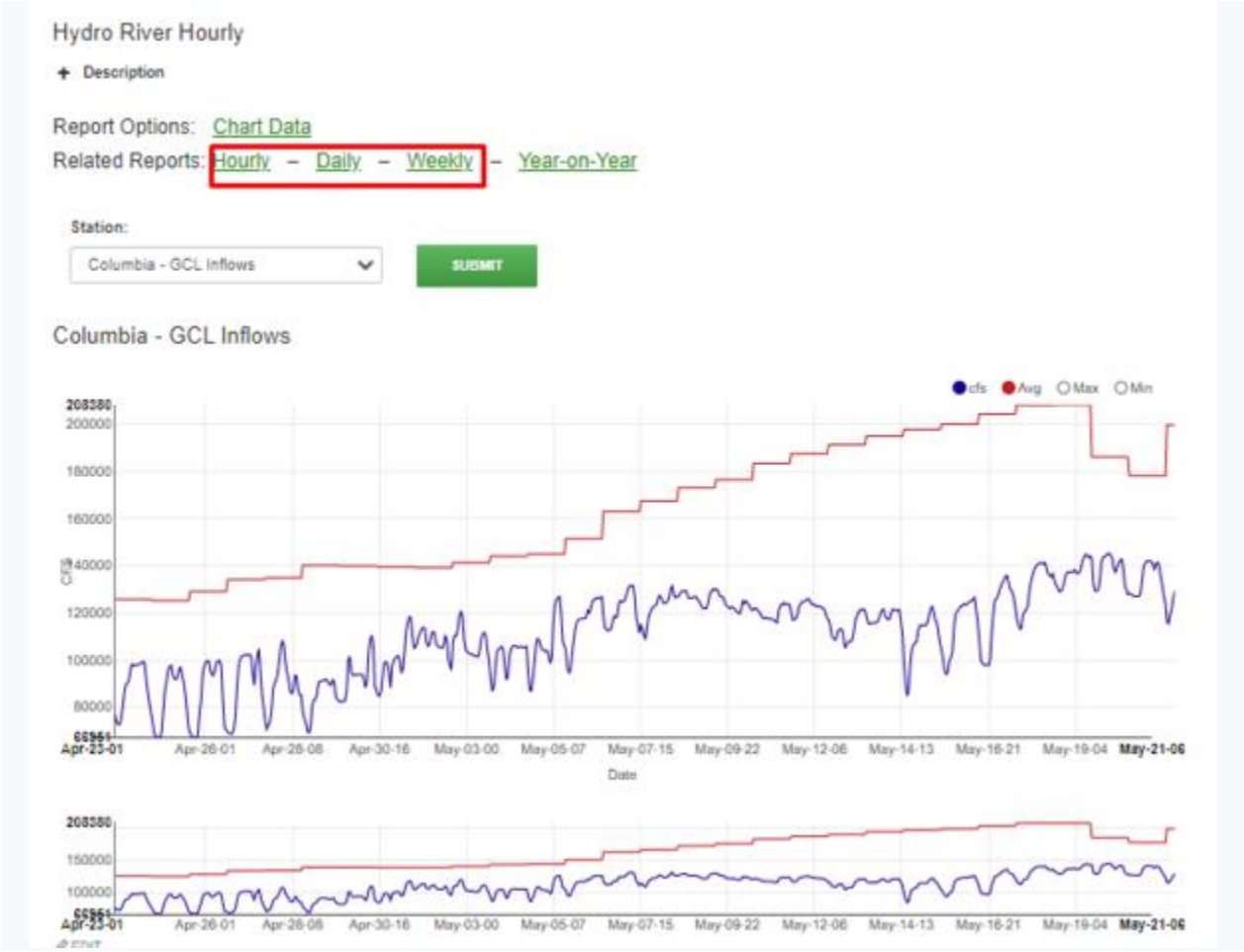
When selecting different views, the number of columns displayed will be a function of the views. The filter will control the contents of the records (rows) but by default you will see all potential columns. For example, if you selected Period View, Month - you would get 300 columns (one for each month of the 25-year forecast). In the hub view, you would see all 52 hubs. In general, a user will want to narrow the amount of data being presented, as such you will use this filter.

Table & Chart field Descriptions



The red highlighted buttons offer additional information and descriptions of fields (or whatever particular item it may be attached to). Click the question mark to read the description. If you see a field or item without the help button, send us a note we can add it to the report.

River Flows



Where

[Main Menu / Power / Hydro / River Conditions / River Flows]

Why

Compare current river conditions to the 10 year average which can help determine where we're at in the run off cycle.

What

- Click a colored circle to turn on or off a specific line item
- Variable zoom option available at the bottom of the chart
    - Rundate -The date the report was ran (GMT)
    - Hub – Ansergy Power Hub
    - River – The major river the Station is on
    - Type – Type of station, there are two types
        - MW – megawatts, indicates it is one of our forecast stations and will also include a water supply and streamflow forecast

        - Reference – a station provided as a reference point
    - Station – the name of the point; is either a dam, reservoir, or a gauge on a river
    - DOY – Day of Year
    - Date – the date (PDT)
    - Hour – the hour (PDT)
    - CFS – current flows (cubic feet per second)
    - Avg – Average for that Day of Year, based upon last ten years where available
    - Min – Minimum for that Day of Year, based upon last ten years where available
    - Max – Maximum for that Day of Year, based upon last ten years where available

River Flows YOY

Where

[Main Menu / Power / Hydro / River Conditions / River Flows / Year on Year]

Why

Compare current river conditions to the last 6 years which can give insight to this years water year.

What

- Click a colored circle to turn on or off a specific line item
- Variable zoom option available at the bottom of the chart
    -
        - Rundate – The date the report was ran (GMT)
        - Station – The name of the point; is either a dam, reservoir, or a gauge on a river
        - Week – Week of year (1 to 53) beginning in January
        - Years – Year of record

STP DOY

Where

[Main Menu / Power / Hydro / STP Reports / STP Day of Year]

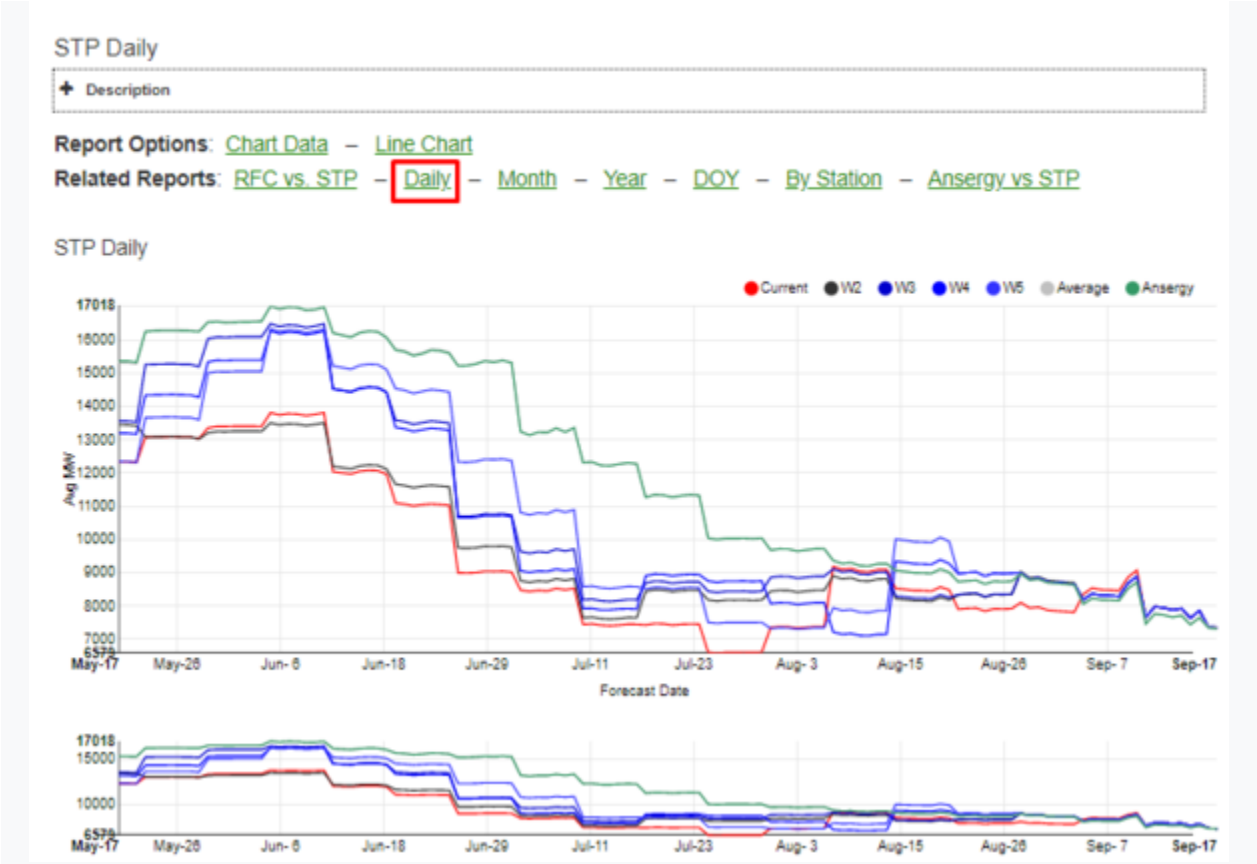
Why

An STP report which compares the current forecast by “Day of Year” (DOY) to the previous three forecasts.

What

- Click a colored circle to turn on or off a specific line item
- Variable zoom option available at the bottom of the chart

STP Daily



Where

[Main Menu / Power / Hydro / STP Reports / STP Daily]

Why

Northwest River Forecast Center 10 Day vs STP – Summary of last five STP reports aggregated into total energy by day. Note: this is not Ansergy's Mid-C energy forecast as there are plants not covered by the RFC that are included in our forecast. Tip: click the legend name to remove that line from the chart.

What

- Click a colored circle to turn on or off a specific line item
- Variable zoom option available at the bottom of the chart

STP Month

Where

[Main Menu / Power / Hydro / STP Reports / STP by Month]

Why

Summary of last five STP reports aggregated into total energy by month. Note: this is not Ansergy's Mid-C energy forecast as there are plants not covered by the RFC that are included in our forecast. Tip: click the legend name to remove that line from the chart.

What

- Click a colored circle to turn on or off a specific line item
- Toggle between grouped and stacked charting

STP Year

Where

[Main Menu / Power / Hydro / STP Reports / STP by Year]

Why

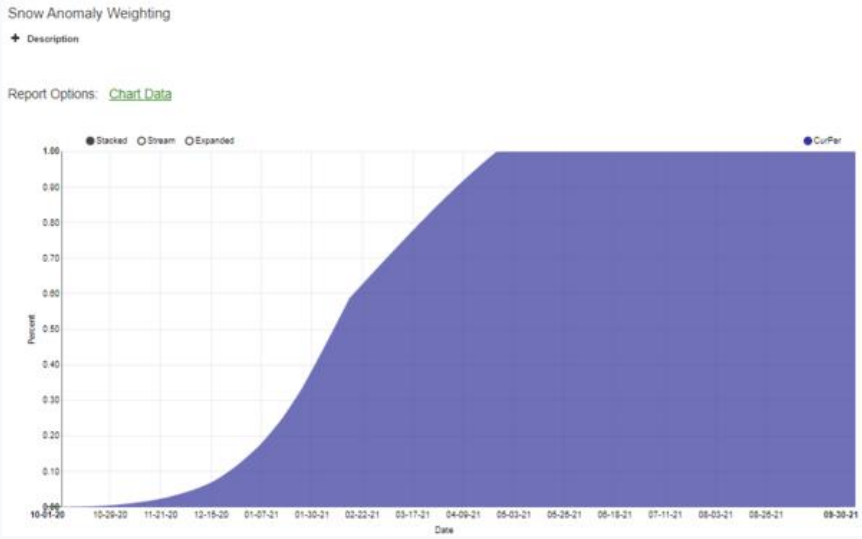
Summary of last five STP reports aggregated into total energy by year. Note: this is not Ansergy's Mid-C energy forecast as there are plants not covered by the RFC that are included in our forecast. Tip: click the legend name to remove that line from the chart.

The historical years are "actual" energy computed by using actual flows and Ansergy's proprietary CFS to MWH algorithms.

What

- Click a colored circle to turn on or off a specific line item
- Toggle between grouped or stacked chart view

Snow Anomaly Weighting



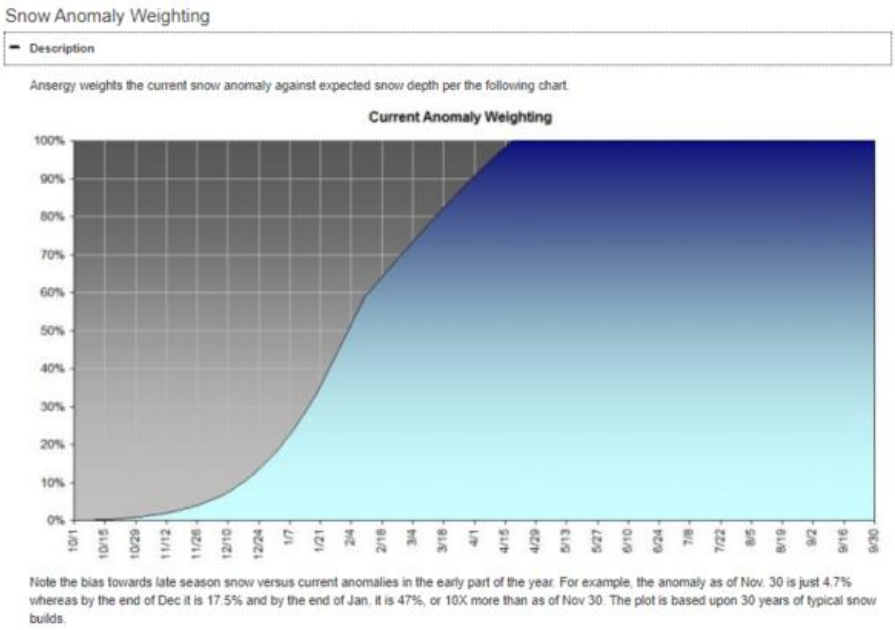
Where

[Main Menu / Power / Hydro / Water Supply / Snow Reports / Snow Anomaly Weighting]

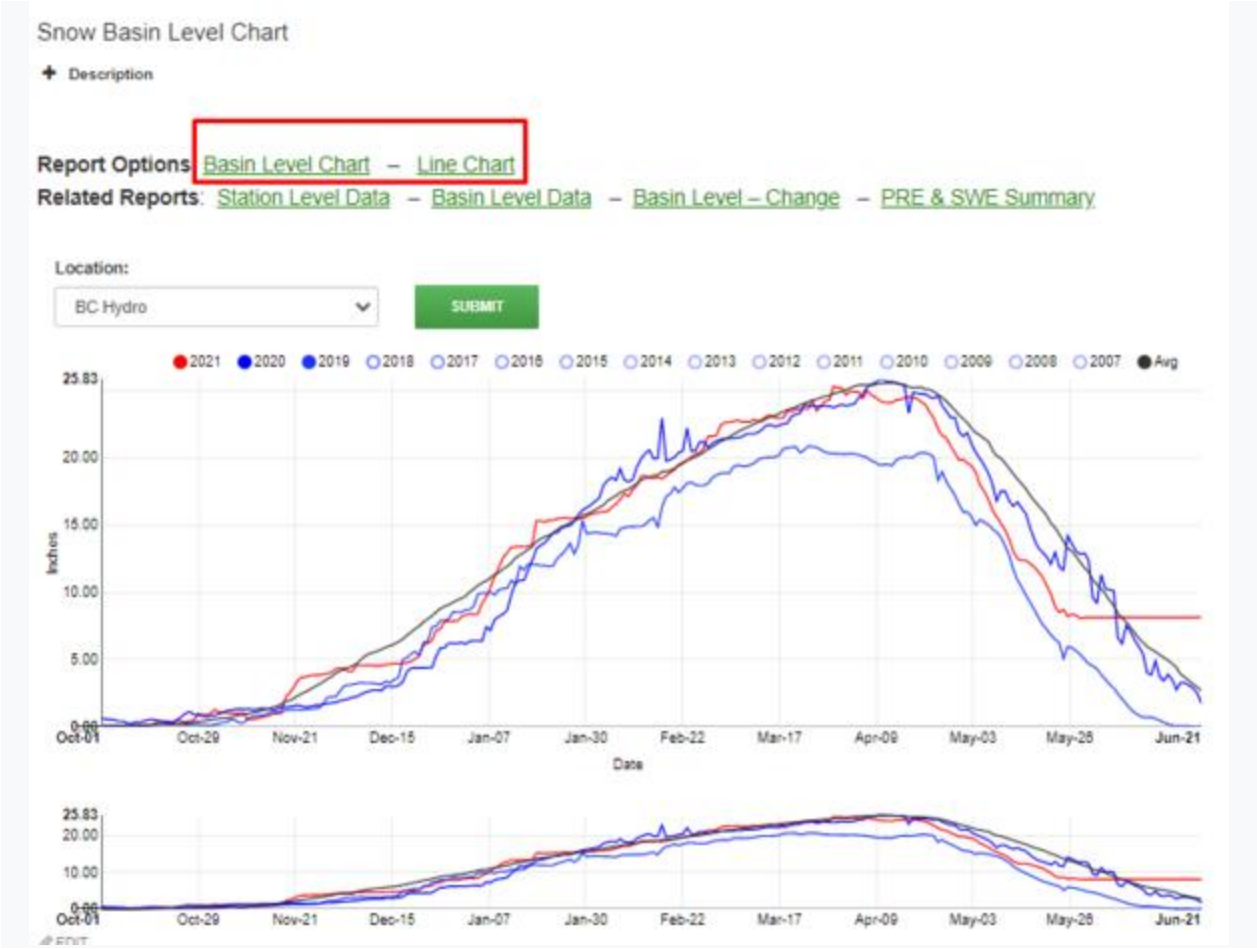
Why

Ansergy weights the current snow anomaly against expected snow depth per the following chart.

What



Snow Basin Chart



Where

[Main Menu / Power / Hydro / Water Supply / Snow Reports / Snow Basin Level Chart]

Why

A report that returns the actual depth of snow water equivalent rather than the snowpack anomaly.

What

- Click colored circle to show or hide line
- Inches in SWE (Snow Water Equivalent)
- Focus zoom, click and drag to show desired timeline

Snow Basin Level

Snow – Basin Level

+ Description

Report Options: Basin Level Chart – Line Chart

Related Reports: Station Level Data – Basin Level Data – Basin Level – Change – PRE & SWE Summary

Show 50 entries Search: Columns Excel CSV PDF

AGG	HUB	LOC	CMW	DATE	DOY	ELEVATION	IS CUR	% OF AVG	AVG	2021	2020	2019	2018
Agg	Hub	Loc					Is Cur						
Basin	BC Hydro	Kootenay	18,743	05-24-2021	236	1,685	1	91.86%	37.46	34.41	39.02	30.94	26.42
Basin	BC Hydro	Mica	21,150	05-24-2021	236	2,477	1	109.52%	39.86	43.64	52.74	32.03	37.56
Basin	BC Hydro	Peace	3,000	05-24-2021	236	2,100	1	208.41%	12.96	27.00	14.90	10.59	6.73
Basin	BC Hydro	Revelstoke	19,410	05-24-2021	236	1,880	1	111.39%	38.51	42.90	52.28	30.30	42.78
Basin	Idaho	Middle Snake	10,008	05-24-2021	236	1,902	1	19.51%	3.82	0.74	2.02	5.64	2.28
Basin	Idaho	Upper Snake	11,009	05-24-2021	236	3,616	1	45.37%	8.47	3.84	8.83	14.42	10.29
Basin	Mid-C	Bonneville	973	05-24-2021	236	77	1	89.59%	16.79	15.04	14.72	6.32	8.67
Basin	Mid-C	Chief Joseph	11,115	05-24-2021	236	956	1	91.33%	14.08	12.86	17.83	5.44	6.91
Basin	Mid-C	Clark Fork	19,702	05-24-2021	236	2,288	1	70.75%	14.03	9.93	13.31	8.87	16.30
Basin	Mid-C	Clearwater	9,155	05-24-2021	236	1,800	1	78.34%	11.50	9.01	13.21	11.35	15.17
Basin	Mid-C	Grand Coulee	17,610	05-24-2021	236	1,292	1	59.13%	11.41	6.75	11.01	3.39	6.46
Basin	Mid-C	Ice Harbor	6,305	05-24-2021	236	440	1	3.00%	10.22	0.33	12.00	10.80	9.48
Basin	Mid-C	John Day	4,657	05-24-2021	236	268	1	88.94%	12.72	11.31	13.66	8.05	9.19
Basin	Mid-C	Little Goose	8,008	05-24-2021	236	638	1	100.00%	23.51	23.51	24.00	20.30	18.80
Basin	Mid-C	Lower Monumental	7,109	05-24-2021	236	540	1	100.00%	23.51	23.51	24.00	20.30	18.80
Basin	Mid-C	McNary	5,750	05-24-2021	236	340	1	90.78%	11.49	10.43	14.03	9.82	10.48
Basin	Mid-C	Oregon Central	3,020	05-24-2021	236	1,841	1	77.98%	6.44	5.03	5.30	2.59	2.14
Basin	Mid-C	Oregon West	1,238	05-24-2021	236	600	1	56.98%	9.19	5.24	5.50	5.53	2.54
Basin	Mid-C	Pend Oreille	18,774	05-24-2021	236	2,148	1	59.29%	12.02	7.13	14.98	5.63	8.78
Basin	Mid-C	Priest Rapids	6,532	05-24-2021	236	501	1	79.95%	11.04	8.83	5.17	2.23	5.94
Basin	Mid-C	Rocky Reach	7,844	05-24-2021	236	707	1	82.83%	8.27	6.85	4.79	2.67	3.37
Basin	Mid-C	Salmon	8,869	05-24-2021	236	1,850	1	67.60%	9.34	6.31	10.11	9.82	10.96
Basin	Mid-C	Spokane	17,789	05-24-2021	236	1,710	1	68.75%	11.83	8.13	12.93	5.03	9.00
Basin	Mid-C	The Dalles	2,538	05-24-2021	236	160	1	97.72%	11.58	11.31	11.07	4.99	6.79
Basin	Mid-C	Wanapum	8,787	05-24-2021	236	871	1	106.31%	9.66	10.27	7.19	3.35	4.98
Basin	Mid-C	Wash Central	5,978	05-24-2021	236	753	1	75.89%	9.22	6.98	5.69	2.15	3.56
Basin	Mid-C	Wash West	1,470	05-24-2021	236	1,197	1	135.18%	21.00	28.38	20.22	7.06	17.73
Basin	Montana	Flathead	20,342	05-24-2021	236	3,257	1	84.05%	14.04	9.00	11.97	8.19	15.58
Basin	Montana	Kootenai	18,135	05-24-2021	236	2,459	1	83.00%	13.63	11.38	13.42	9.81	16.64
Basin	Montana	Missouri	824	05-24-2021	236	5,500	1	137.29%	6.06	8.32	8.75	11.41	10.79
Basin	NCPA	Cherry Ck	1,452	05-24-2021	236	2,200	1	7.12%	7.02	0.50	1.75	16.05	1.31
Basin	NP15	Cosumnes	1,040	05-24-2021	236	1,902	1	6.39%	8.18	0.52	1.76	19.01	1.59
Basin	NP15	Pit River	766	05-24-2021	236	2,500	1	6.40%	4.32	0.28	0.86	10.74	0.24
Basin	NP15	Shasta	1,155	05-24-2021	236	2,400	1	6.93%	3.09	0.21	1.26	4.40	0.25
Basin	NP15	Yuba	1,220	05-24-2021	236	2,300	1	10.08%	8.82	0.67	1.78	14.50	1.72
Basin	Palo Verde	Desert SW	114	05-24-2021	236	3,000	1	11.70%	0.48	0.50	0.00	2.22	0.00
Basin	SP15	San Joaquin	1,832	05-24-2021	236	2,100	1	13.07%	9.88	1.29	3.00	21.18	3.02

Where

Main Menu / Power / Hydro / Water Supply / Snow Reports / Snow Basin Level Data

Why

A report that returns the actual depth of snow water equivalent rather than the snowpack anomaly.

What

- View table by Agg (Aggregated region), Hub, and Basin
- CMW (Cumulative MW)
- % of AVG (Percent of Average Snow water equivalent)
- Download data via the Excel, CSV, or PDF button

Snow Basin Level Change

Snow – Basin Level – Change

+ Description

Report Options: Basin Level Chart

Related Reports: Station Level Data – Basin Level Data – Basin Level – Change – PRE & SWE Summary

Show 50 entries Search: Columns Excel CSV PDF

MRD	AGG	HUB	BASIN NAME	CMW	MW	D1-D2	D1-D3	D1-D7	CUR	D2	D3	D4	D5	D6	W1
	Agg	Hub	Basin Name												
05-27-2021	Basin	BC Hydro	Kootenay	18,743	50	-0.75	-1.34	-2.13	33.07	33.82	34.41	34.57	34.88	35.16	35.20
05-27-2021	Basin	BC Hydro	Mica	21,150	1,740	-0.14	0.35	-1.60	43.09	44.14	43.64	43.28	43.78	45.14	45.59
05-27-2021	Basin	BC Hydro	Peace	3,000	2,876	-8.96	-9.76	-12.70	17.24	26.20	27.00	27.83	28.58	29.25	29.94
05-27-2021	Basin	BC Hydro	Revelstoke	19,410	1,800	-0.67	-1.34	-4.27	41.56	42.22	42.90	43.52	44.82	45.51	45.82
05-27-2021	Basin	Idaho	Middle Snake	10,006	1,277	-0.01	-0.02	0.00	0.72	0.73	0.74	0.71	0.75	0.70	0.73
05-27-2021	Basin	Idaho	Upper Snake	11,009	1,160	-0.15	0.06	-0.49	3.90	4.05	3.84	3.83	3.98	4.00	4.39
05-27-2021	Basin	Mid-C	Bonneville	973	1,182	-0.38	-0.84	-1.46	14.40	14.78	15.04	15.37	15.65	15.84	15.86
05-27-2021	Basin	Mid-C	Chief Joseph	11,115	2,458	-0.23	-0.41	-0.91	12.44	12.68	12.86	12.99	13.19	13.30	13.36
05-27-2021	Basin	Mid-C	Clark Fork	19,702	975	-0.27	-0.36	0.37	9.58	9.85	9.93	9.38	9.06	9.54	9.21
05-27-2021	Basin	Mid-C	Clearwater	9,165		-0.27	-0.44	-0.15	8.56	8.83	9.01	8.56	9.22	8.96	8.71
05-27-2021	Basin	Mid-C	Grand Coulee	17,610	6,944	-0.40	-0.75	-1.28	5.99	6.39	6.75	6.90	7.18	7.27	7.28
05-27-2021	Basin	Mid-C	Ice Harbor	6,305	603	0.00	-0.33	-1.33	0.33	0.33	0.67	0.67	1.00	1.33	1.67
05-27-2021	Basin	Mid-C	John Day	4,657	2,160	-0.29	-0.48	-1.08	10.83	11.12	11.31	11.58	11.76	11.88	11.90
05-27-2021	Basin	Mid-C	Little Goose	8,008	310	-0.67	-1.40	-4.04	22.11	22.78	23.51	24.48	24.42	25.37	25.15
05-27-2021	Basin	Mid-C	Lower Granite	8,784	822	0.00	-2.00	-6.00	1.00	1.00	3.00	4.00	5.00	6.00	7.00
05-27-2021	Basin	Mid-C	Lower Monumental	7,109	810	-0.67	-1.40	-4.04	22.11	22.78	23.51	24.48	24.42	25.37	25.15
05-27-2021	Basin	Mid-C	McNary	5,750	990	-0.21	-0.32	-0.94	10.11	10.32	10.43	10.66	10.89	11.00	11.06
05-27-2021	Basin	Mid-C	Oregon Central	3,020	523	-0.22	-0.37	-0.66	4.66	4.88	5.03	5.25	5.29	5.34	5.32
05-27-2021	Basin	Mid-C	Oregon West	1,238	1,281	-0.22	-0.33	-0.64	4.90	5.13	5.24	5.51	5.57	5.63	5.54
05-27-2021	Basin	Mid-C	Pend Oreille	18,774	1,251	-0.30	-0.77	-0.67	6.38	6.68	7.13	6.98	7.10	7.18	6.93
05-27-2021	Basin	Mid-C	Priest Rapids	6,632	956	-0.90	-1.21	-2.03	7.62	8.52	8.83	8.64	9.19	9.52	9.65
05-27-2021	Basin	Mid-C	Rocky Reach	7,844	2,703	-0.30	-0.66	-1.17	6.29	6.59	6.85	6.94	7.24	7.40	7.45
05-27-2021	Basin	Mid-C	Salmon	8,889	10	-0.21	-0.26	-0.24	6.07	6.27	6.31	6.02	6.47	6.34	6.30
05-27-2021	Basin	Mid-C	Spokane	17,789	208	-0.38	-0.87	-0.94	7.26	7.64	8.13	8.05	8.28	8.35	8.20
05-27-2021	Basin	Mid-C	The Dalles	2,538	1,826	-0.29	-0.48	-1.08	10.83	11.12	11.31	11.58	11.76	11.88	11.90
05-27-2021	Basin	Mid-C	Wanapum	8,767	1,220	-0.46	-0.84	-1.41	9.43	9.89	10.27	10.41	10.70	10.77	10.84
05-27-2021	Basin	Mid-C	Wash Central	6,976	1,080	-0.58	-0.80	-1.30	6.17	6.75	6.98	6.87	7.20	7.39	7.47
05-27-2021	Basin	Mid-C	Wash West	1,470	664	-0.79	-1.35	-3.40	27.03	27.83	28.38	28.87	29.61	30.24	30.43
05-27-2021	Basin	Montana	Flathead	20,342	642	-0.25	-0.10	0.38	8.90	9.15	9.00	8.56	8.16	8.75	8.81
05-27-2021	Basin	Montana	Kootenai	18,135	525	-0.18	-0.16	0.89	11.22	11.40	11.38	10.67	10.38	10.73	10.33
05-27-2021	Basin	Montana	Missouri	824	876	-0.11	-0.23	0.98	8.09	8.20	8.32	7.63	7.85	7.21	7.10

Where

Main Menu / Power / Hydro / Water Supply / Snow Reports / Snow Basin Level Change

Why

In this view we cross the last 14 days and show the locations down. This provides an easy interface to see how snow levels have changed.

What

- View table by Agg (Aggregated region), Hub, and Basin
- CMW (Cumulative MW)
- Download data via the Excel, CSV, or PDF button

Snowpack by Station

Where

[Main Menu / Power / Hydro / Water Supply / Snow Reports / Snowpack by Station]

Why

In this view we look at the current years snowpack by station vs previous years. This helps us determine what size of runnoff to expect in the spring/summer.

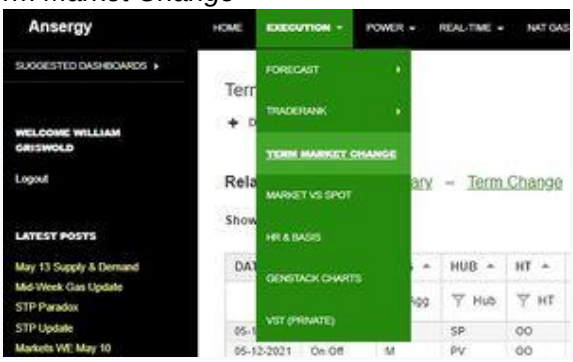
What

- View table by Basin, Hub, Station, ST (State) or GRP (Group)
- SWE (Snow Water Equivalent)
- WY21 (Water Year 2021)
- PER (Percentage of Average snowpack)
- Download data via the Excel, CSV, or PDF button

Term Market Change

Where

Main Menu / Execution / Term Market Change



What

Term Market Change is sourced by data from the Trade Rank reports. This table displays a variety of information regarding how term markets are trending across the past week, and offers insight into what direction the term trades may be heading.

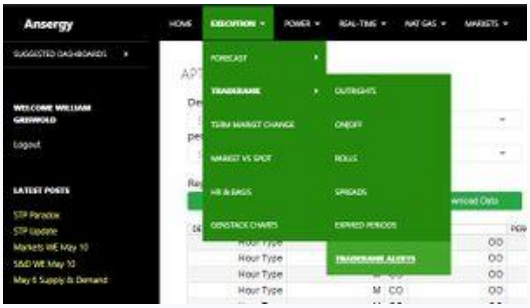
Term Market Change Fields

1. **Date** – the most recent term market "as of" date; typically yesterday, unless a weekend or holiday
2. **Dtype** – Derivative type (H=hourtype; O=outright; S=locational spread; R = Roll)
3. **Agg** – M = Month; Q = Quarter; Y = Year
4. **Metric** – HR = Heat Rate; PP = Power Price
5. **Rank** – sorted on APC (Absolute Value of Percentage Change) for Dtype & Agg; compares all hubs, all periods against each other for those two types
6. **Hub** – MC, PV, SP, or NP
7. **HT** – HL, LL, or OO (On Off)
8. **Percode** – the period
9. **APC** – Absolute Value of Percentage Change for Today vs Yesterday
10. **PC1** – % Change from "Yesterday": (CUR – D2) / D2
11. **PC2** – % Change from "Two Days Ago": (CUR – D3) / D3
12. **PC7** – % Change from "Seven Days Ago": (CUR – D7) / D7
13. **Chg1** – $ change from Yesterday: CUR – D2
14. **Chg2** – $ change from Two Days Ago: CUR – D3
15. **Chg7** – $ change from YSeven Days Ago: CUR – D7
16. **CUR** – most recent market price
17. **D2** – 2nd most recent market price
18. **D3-Dy** – other historical market prices
19. **Pid** – Product ID, used internally
20. **Product** – Product code, used internally

TradeRank Alerts

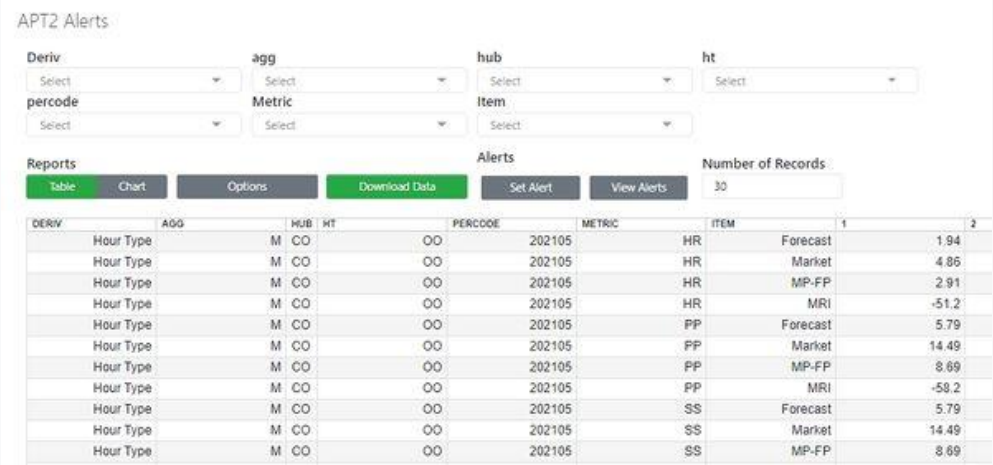
Where

Main Menu / Execution / TradeRank / Traderank Alerts



What

TradeRank Alerts allow a user to create an automated notification email whenever a desired outcome or variable is reached within traderank. Use each of the filters at the top of the table to winnow the rows to a single entry, then click the "Set Alert" button to enter your desired criteria to be alerted upon.



DERIV	AGG	HUB	HT	PERCODE	METRIC	ITEM	1	2
Hour Type	M	CO	OO	202105	HR	Forecast	1.94	
Hour Type	M	CO	OO	202105	HR	Market	4.86	
Hour Type	M	CO	OO	202105	HR	MP-FP	2.91	
Hour Type	M	CO	OO	202105	HR	MRI	-51.2	
Hour Type	M	CO	OO	202105	PP	Forecast	5.79	
Hour Type	M	CO	OO	202105	PP	Market	14.49	
Hour Type	M	CO	OO	202105	PP	MP-FP	8.69	
Hour Type	M	CO	OO	202105	PP	MRI	-58.2	
Hour Type	M	CO	OO	202105	SS	Forecast	5.79	
Hour Type	M	CO	OO	202105	SS	Market	14.49	
Hour Type	M	CO	OO	202105	SS	MP-FP	8.69	

Alert Table

How Alerts Are Used

Alerts are often utilized by users that wish to know when Ansergy's forecast, the market price, etc, have reached a desired outcome. When that outcome is reached, an email will be automatically sent to that user's inbox with a notification.

A detailed tutorial of how to set and use Alerts can be found on the [Ansergy website using this link](#).

TradeRank Historical

Where

Main Menu / Execution / TradeRank / Expired Periods

What

This report is a historical log of terms that have expired and includes all traded derivatives. TradeRank plots term market prices against forecasts and prior year cash settles. Market prices are end-of-day ICE settles, the forecasts are from Ansergy's forecast model, and historical spot prices are the average, maximum, and minimum from the last ten years.

TradeRank Derivative Types

- Outrights (HL or LL)
- Spreads (one hub vs another hub, same period)
- Rolls (one period vs an adjacent period, same hub)
- On Off (HL - LL, same hub, same period)

MRI - Market Richness Index

MRI is a computed value based upon multiple factors involving the relationship between the market and forecasts, the market against itself, and the market against historical spot settles. For a more detail explanation click here.

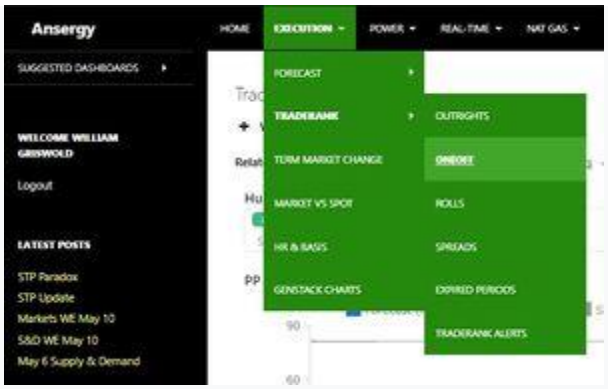
How Trade Rank is Used

TradeRank can act as a second opinion on a derivative either for hedging our speculating. MRI has been backcasted and proven to call direction correctly over 60% of the time. The metric is especially useful in comparing one derivative against another. For example, when comparing a buy for June or one in May, you can run rolls and see how each period has performed, relative to the forecast and to past market prices, thereby adding further insight into the relative value of each.

TradeRank Outrights/On-Off

Where

Main Menu / Execution / TradeRank / On-Off



On-Off Menu Location

What

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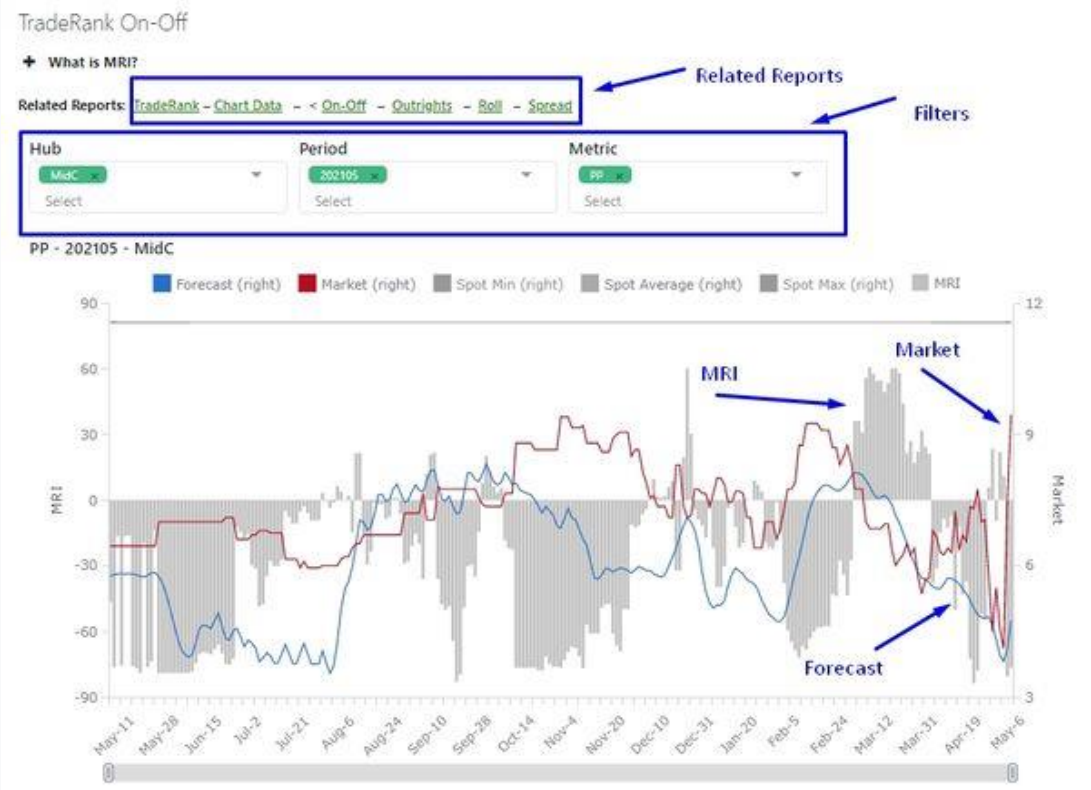

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TradeRank Roll

Where

Main Menu / Execution / TradeRank / Roll

Roll Menu Location

What

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TradeRank Derivative Types

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- Spreads (one hub vs another hub, same period)
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TradeRank Spread

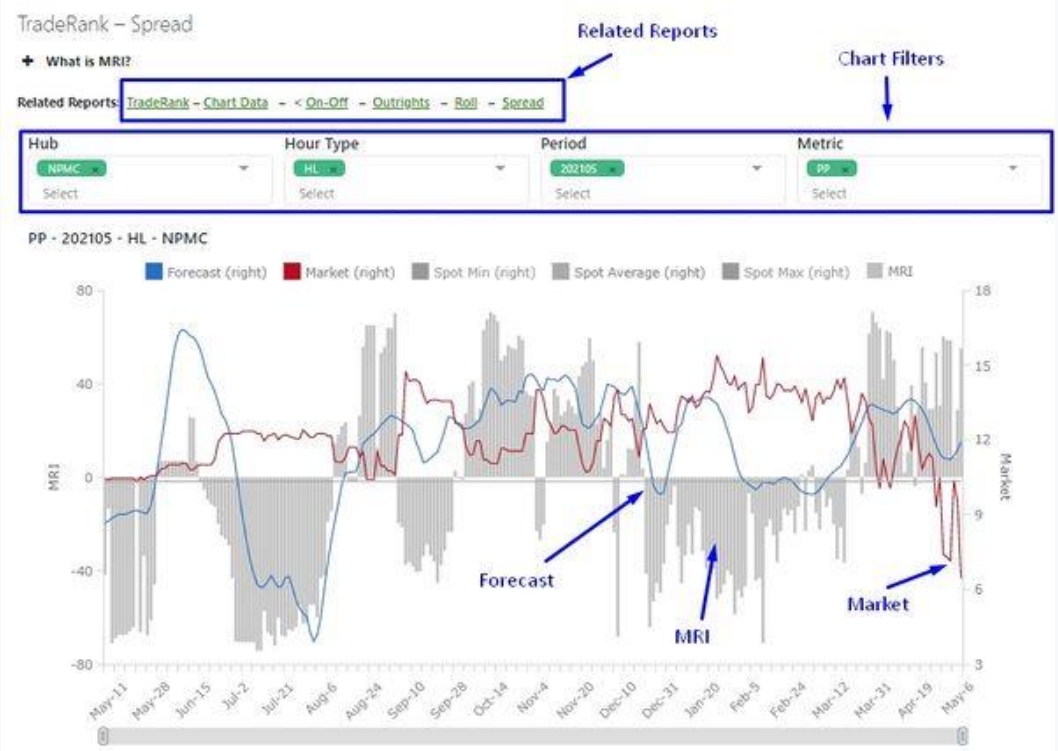
Where

Main Menu / Execution / TradeRank / Spread

Spread Menu Location

What

TradeRank plots term market prices against forecasts and prior year cash settles. Market prices are end-of-day ICE settles, the forecasts are from Ansergy's forecast model, and historical spot prices are the average, maximum, and minimum from the last ten years.



TradeRank Derivative Types

- Outrights (HL or LL)
- Spreads (one hub vs another hub, same period)
- Rolls (one period vs an adjacent period, same hub)
- On Off (HL - LL, same hub, same period)

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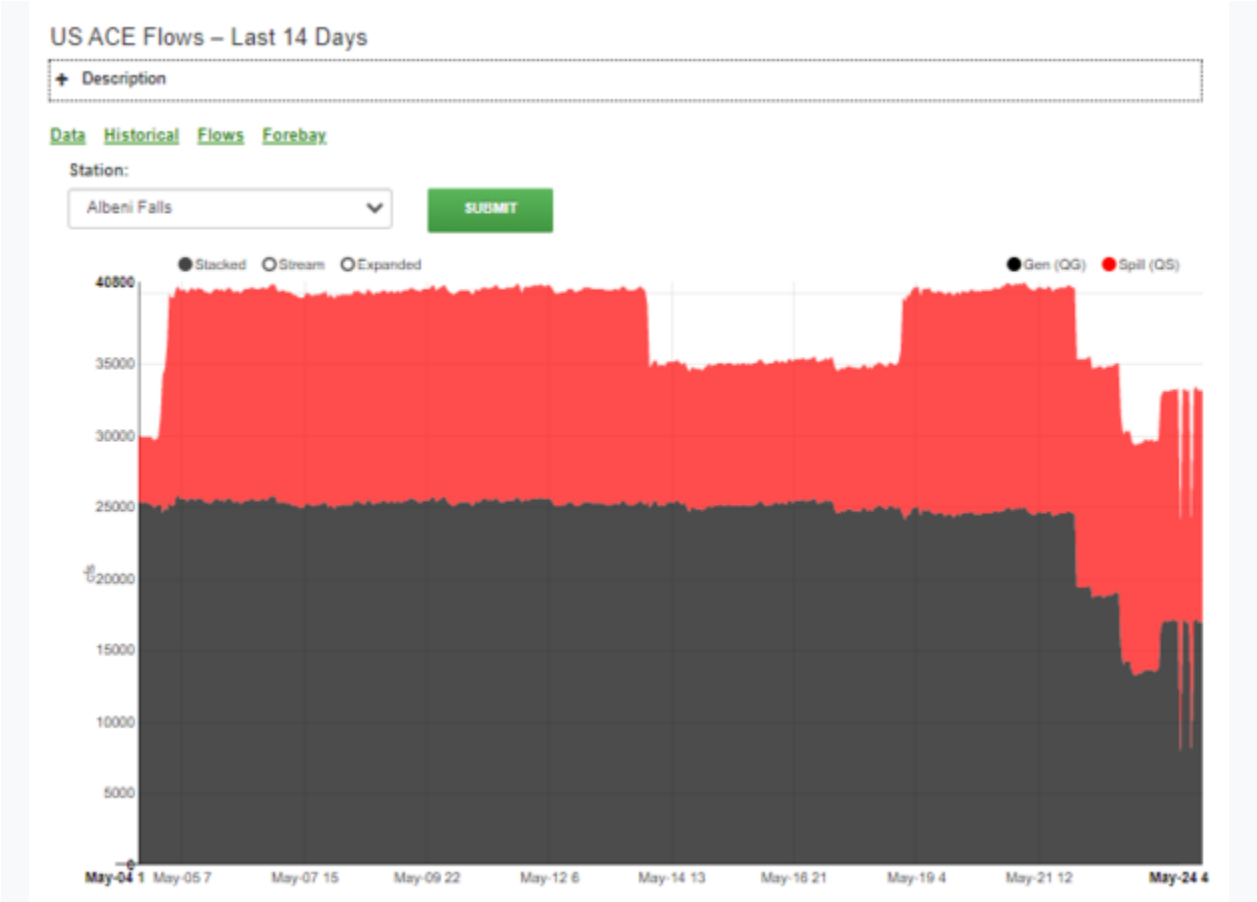
US ACE Current Water Flows



Where

[Main Menu / Power / Hydro / River Conditions / COE Flows / Current Charts]

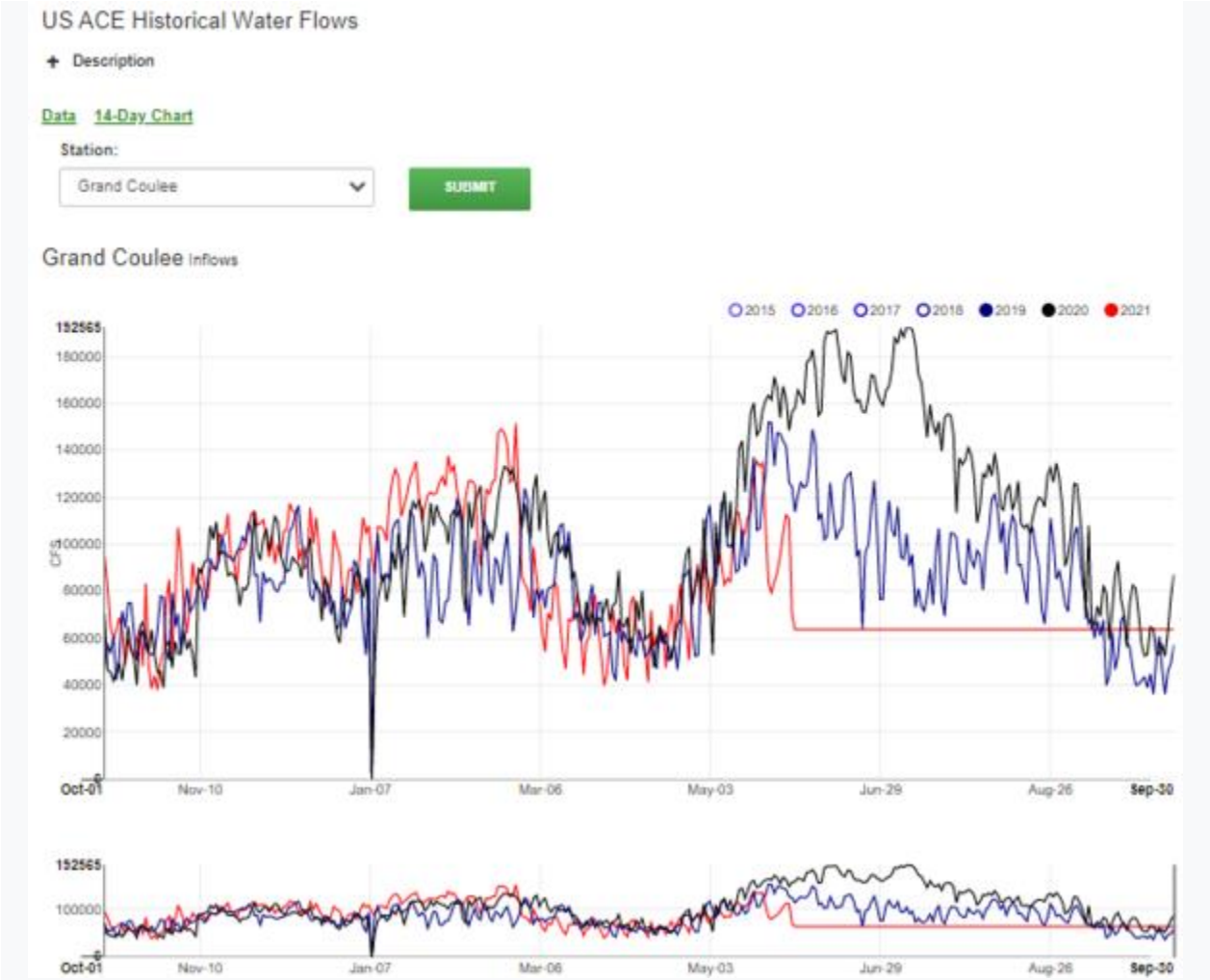
Why

Last 21 days of hourly flows, spill, and forebay elevation from the Army of Corps of Engineers for 19 northwest hydro projects. Tip: click the legend name to remove that line from the chart.

What

- Click a colored circle to turn on or off a specific line item
- Select Station from drop down menu and click submit

US ACE Historical Water Flows



Where

[Main Menu / Power / Hydro / River Conditions / COE Flows / Historical Charts]

Why

Last five years of weekly average flows for 19 northwest hydro projects. Tip: click the legend name to remove that line from the chart.

What

- Click a colored circle to turn on or off a specific line item
- Variable zoom option available at the bottom of the chart

Vst

VST Help Page

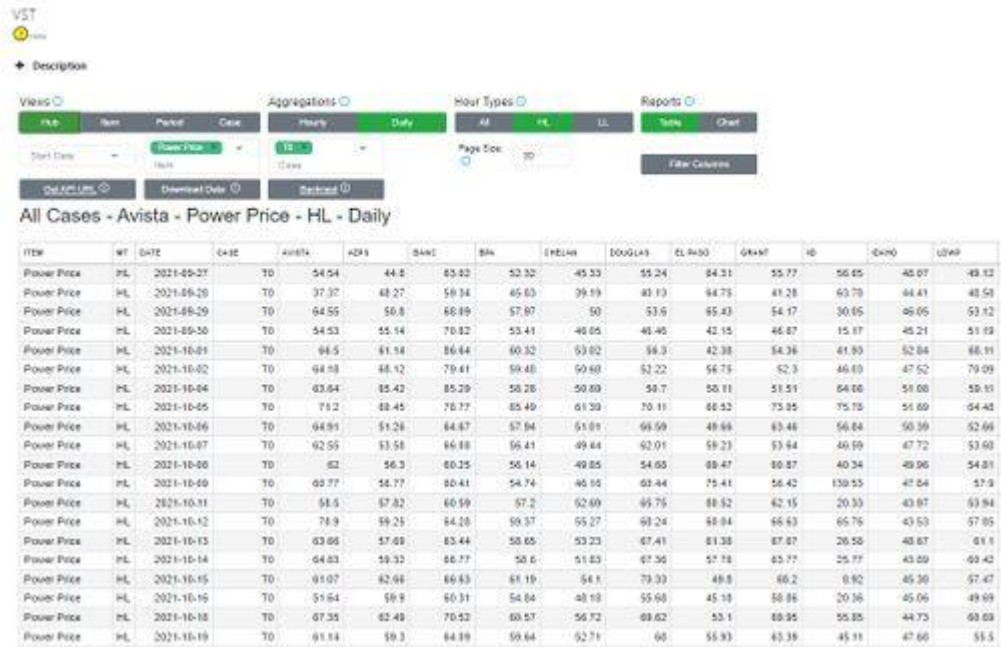
About

VST = Very Short Term and is Ansergy's frequently updated 21-day forecast. The model updates the forecast every 30 minutes and incorporates all known fundamentals in each run. In addition, VST runs 9 scenarios around a base case including tests on temperature, outages, demand, and supply components.

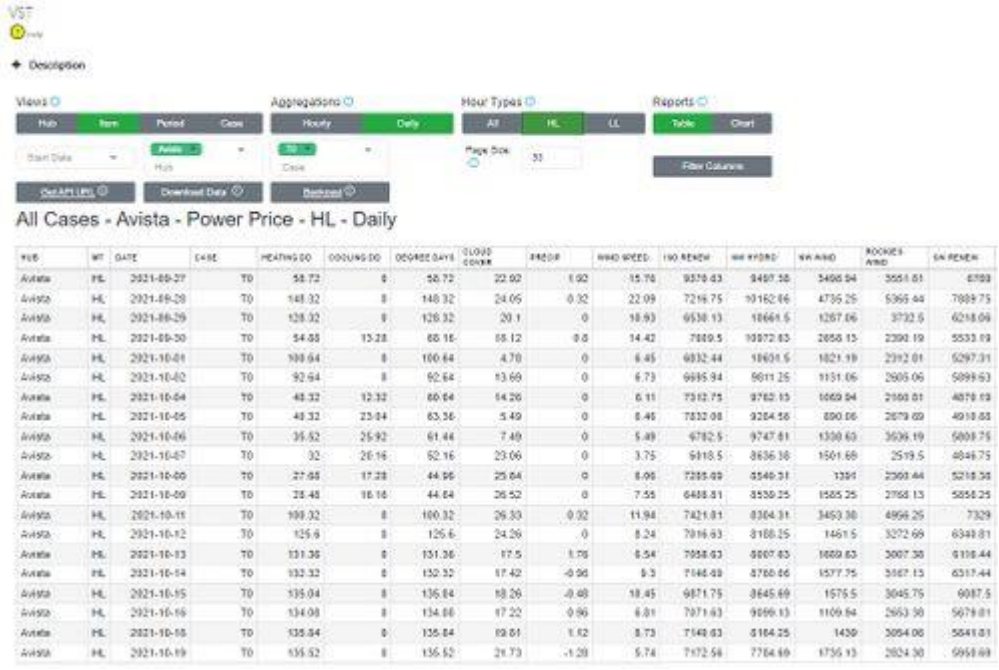
Views

A view is a way to control what is displayed in the columns - similar to pivot tables. There are four views:

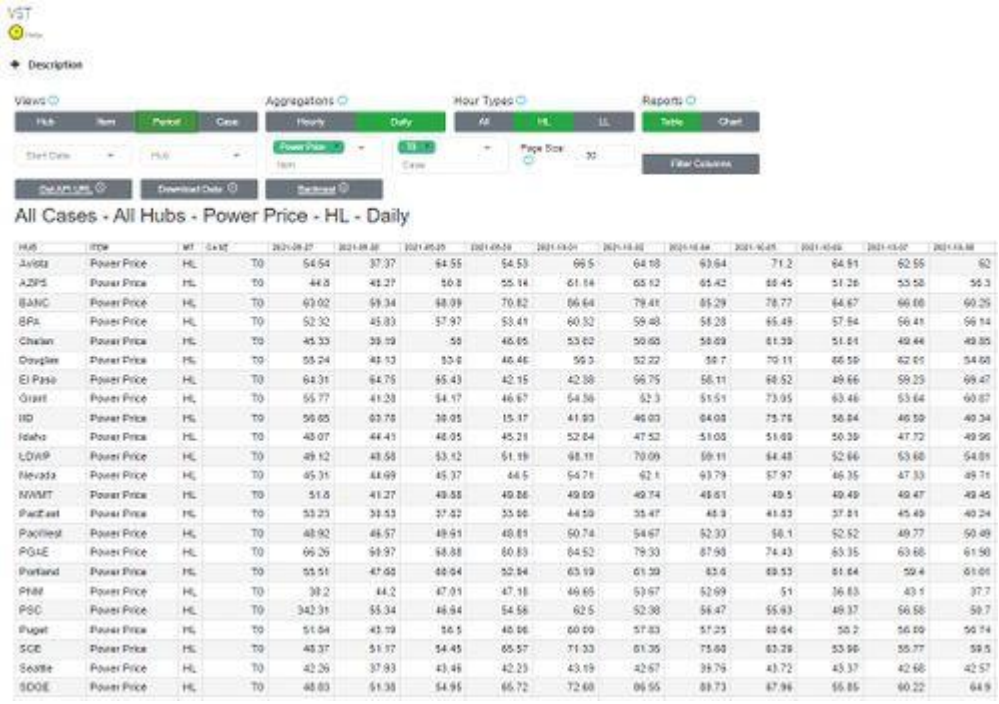
- **Hub View** - Columns are populated by hubs with dates and items available as filters; this view is useful for This view is useful for plotting one hub against another when a single item is selected.



- **Item View** - Items are columns with dates, hubs, and cases available as filters and records flowing down. The Item View is useful for charting two or more items against each other. For example, plotting hydro against demand, or demand against heat rates. This also allows you to view items as a time series while viewing a table.



- **Period View** - Periods are columns while hubs and items flow down. This view is useful when used to determine changes across time. Note that this view does not plot well.



- **Case** - The case view shows each of the 9 Ansergy determined cases (expanded upon below) as columns while records are separated by hub and item. It may be most useful to filter to one specific item if you desire to compare changes by case by hub.

All Hubs - Power Price - HL - Daily

HUB	ITEM	MT	DATE	ND+1000BO	ND-1000BO	ND+1000BPAT	ND-1000BPAT	T+5CA	T-5CA	T+5NW	T-5NW	T0
Avista	Power Price	HL	2021-09-27	56.64	50.84	57.32	53.5	57.39	52.05	51.9	55.87	54.54
AZPS	Power Price	HL	2021-09-27	47.73	43.48	44.64	46.31	49.7	45.67	46.38	46.1	44.8
BANC	Power Price	HL	2021-09-27	68	59.9	63.84	62.23	76.49	56.84	62.8	65.14	63.02
BPA	Power Price	HL	2021-09-27	51.99	50.58	53.15	50.25	53.58	50.11	49.63	55.06	52.32
Chelan	Power Price	HL	2021-09-27	45.99	44.29	46.71	43.8	47.13	43.43	43.16	47.37	45.33
Douglas	Power Price	HL	2021-09-27	54.59	54.22	55.53	52.7	57	52.54	54.21	58.59	55.24
El Paso	Power Price	HL	2021-09-27	63.64	63.5	64.07	64.14	63.98	64.24	64.01	63.57	64.31
Grant	Power Price	HL	2021-09-27	56.16	53.94	55.64	50.66	56.54	50.37	53.66	55.93	55.77
IID	Power Price	HL	2021-09-27	34.87	48.02	49.66	59.23	70.7	2.46	55.36	48.27	56.65
Idaho	Power Price	HL	2021-09-27	49.72	48.2	48.85	47.94	50.54	47.71	48.27	49.28	48.07
LDWP	Power Price	HL	2021-09-27	50.23	48.39	49.34	48.75	54.7	46.7	49.4	49.76	49.12
Nevada	Power Price	HL	2021-09-27	46.23	44.51	45.81	44.94	50.23	44.35	45.26	45.84	45.31
NWMT	Power Price	HL	2021-09-27	51.61	49.03	51.46	50.03	52.55	48.86	51.85	53.2	51.8
PacEast	Power Price	HL	2021-09-27	55.04	50.45	54.85	45.19	50.63	50.03	53.9	51.09	53.23
PacWest	Power Price	HL	2021-09-27	50.01	45.89	49.91	48.74	50.01	47.94	48.56	50.34	48.92
PGAE	Power Price	HL	2021-09-27	71.94	56.75	68.41	66.52	76.11	58.33	64.98	68.79	66.26
Portland	Power Price	HL	2021-09-27	55.99	55.06	57.34	51.36	57.62	53.3	52.78	57.34	55.51
PNM	Power Price	HL	2021-09-27	39.17	40.89	38.84	39.01	43.02	38.64	40.03	38	38.2
PSC	Power Price	HL	2021-09-27	342.26	342.48	342.26	342.26	342.48	342.26	342.48	342.1	342.31
Puget	Power Price	HL	2021-09-27	52.44	51.82	53.17	48.51	53.95	47.69	49.33	53.62	51.84
SCE	Power Price	HL	2021-09-27	50.01	47.95	48.94	46.83	56.37	46.09	48.69	48.57	48.37
Seattle	Power Price	HL	2021-09-27	41.96	41.68	42.39	39.73	42.58	37.16	41.58	42.46	42.26

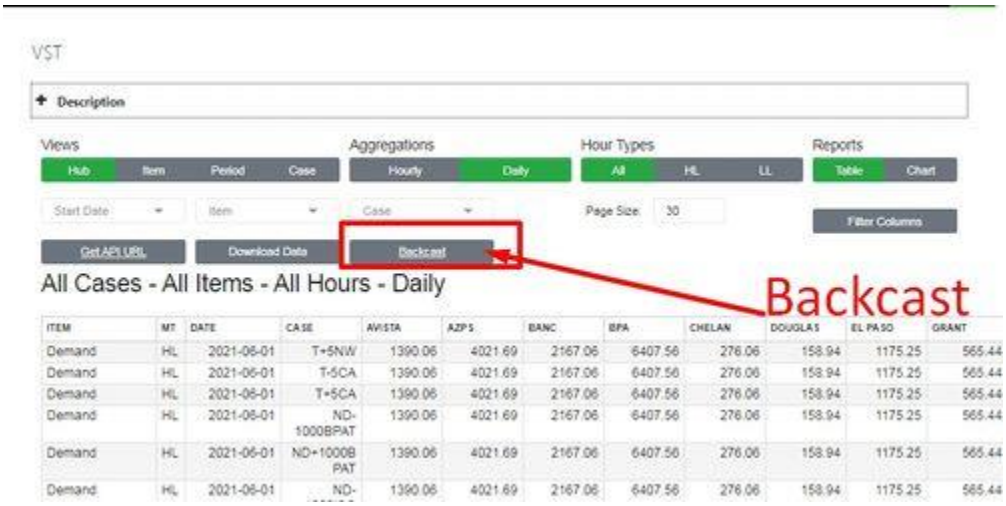
Cases

caseid	case	Description
1	T0	Base Case
2	T-5NW	Subtract 5 degrees from all Northwest Cities
3	T+5NW	Add 5 degrees from all Northwest Cities
4	T-5CA	Subtract 5 degrees from all Calif Cities
5	T+5CA	Add 5 degrees from all Calif Cities
6	ND-1000BPAT	Adjust BPAT net demand by -1000 MW

7	ND+1000BPAT	Adjust BPAT net demand by +1000 MW
8	ND-1000ISO	Adjust PGAE and SCE net demand by -1000 MW
9	ND+1000ISO	Adjust PGAE and SCE net demand by +1000 MW

Backcasts

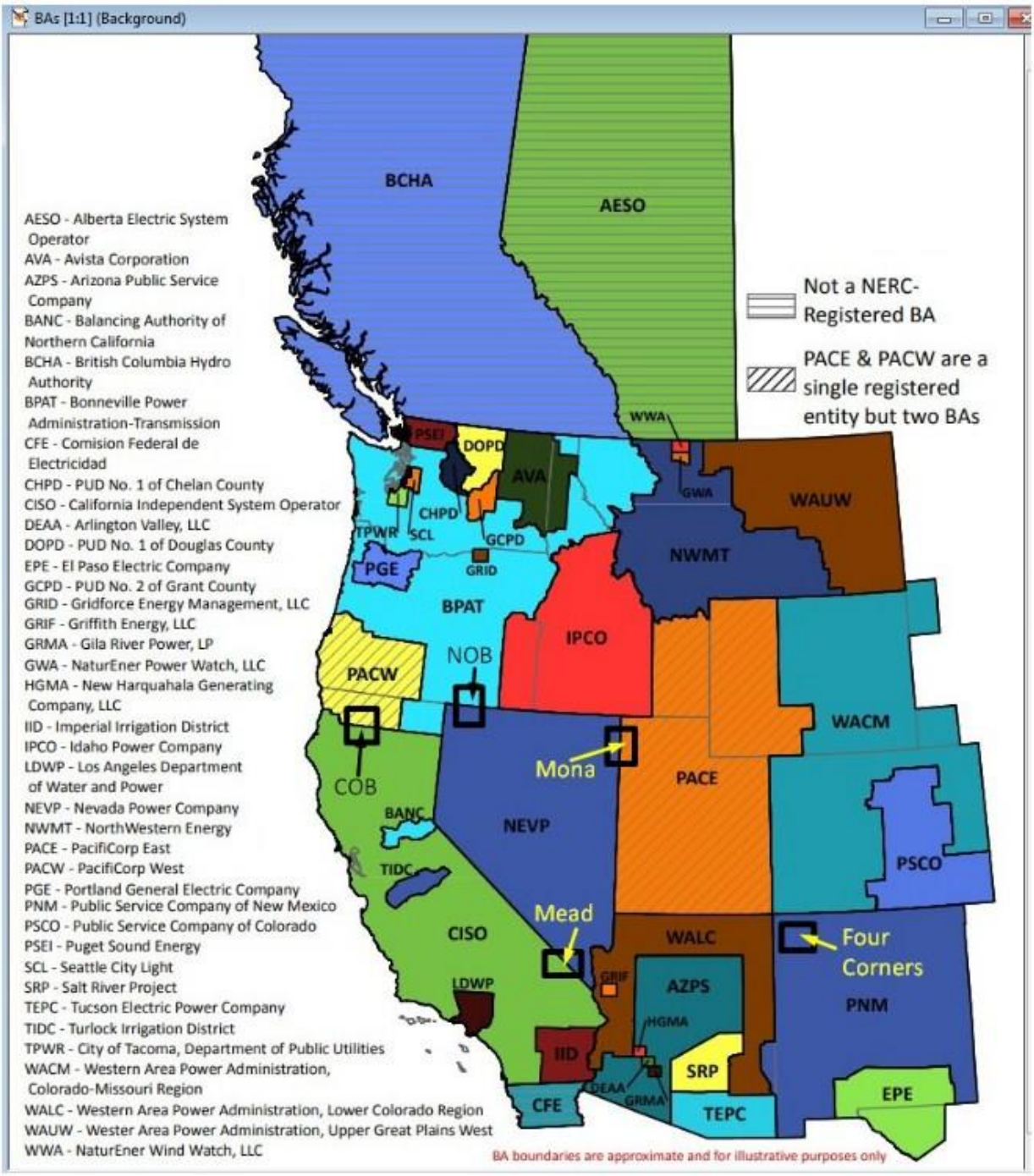
Each of the 48 forecast locations (hubs) are backcasted to either an LMP or a virtual price index. Backcasts are available by clicking the Backcast button.



Topology

This map of the Western United States depicts what hubs and BA are forecasted by Ansergy through VST.

Ansergy Power Hubs

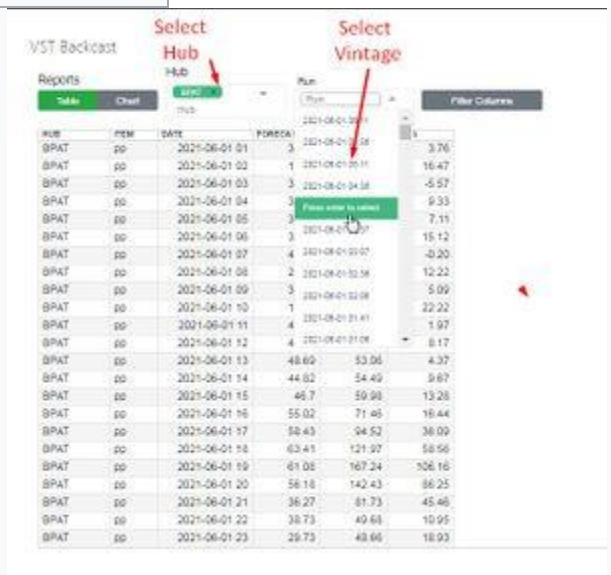


Vst backcast

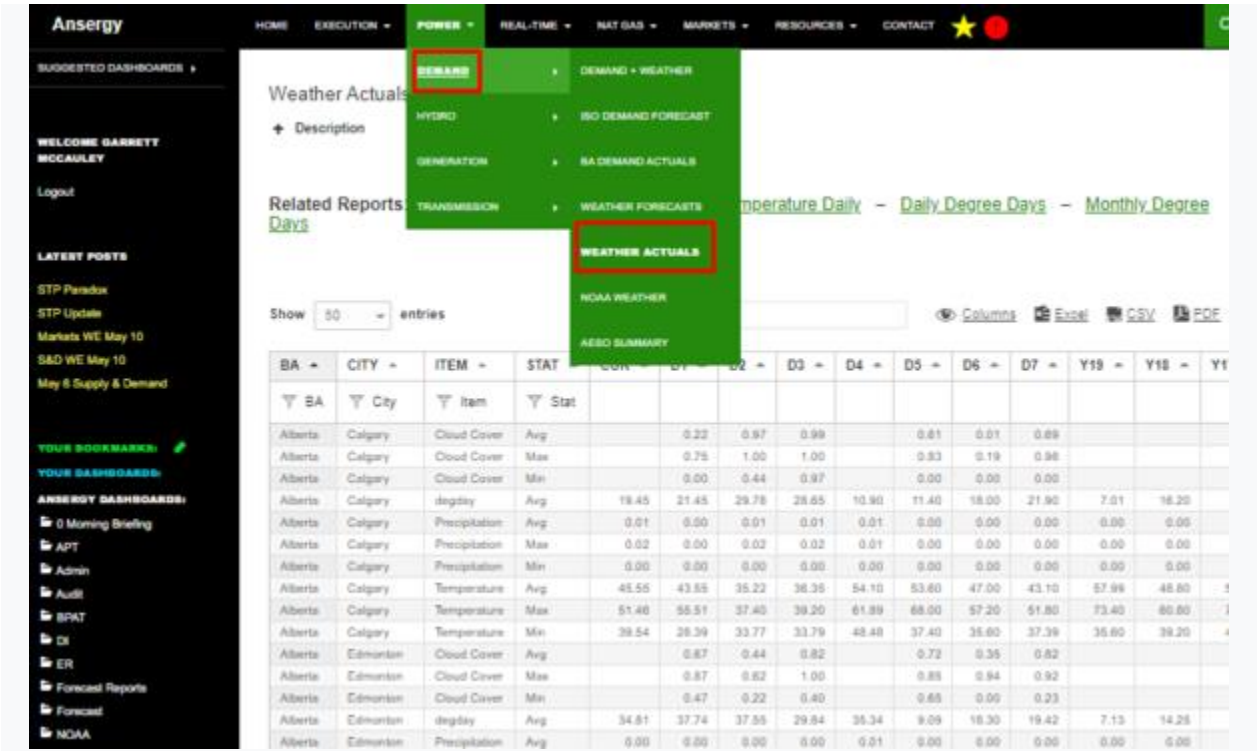
Ansergy backcasts its price forecast for 17 locations (hubs) using a BPA-defined price actual source. The following table summarizes that mapping:

Query1	
Hub Name	**Backcast Source**
AZPS	ELAP_AZPS-APND
BPA	DGAP_BPAT-APND
COB	MALIN_5_N101
Idaho	ELAP_IPCO-APND
Mead	MEADS_2_N101
MidC	MidC
Mona	MONA_3_N501
Nevada	ELAP_NEVP-APND
NOB	SYLMARDC_2_N501
NP15	TH_NP15_GEN-APND
PacEast	ELAP_PACE-APND
PacWest	ELAP_PACW-APND

Palo Verde	PALOVRDE_ASR-APND
Portland	ELAP_PGE-APND
Puget	ELAP_PSEI-APND
Seattle	ELAP_SCL-APND
SP15	TH_SP15_GEN-APND

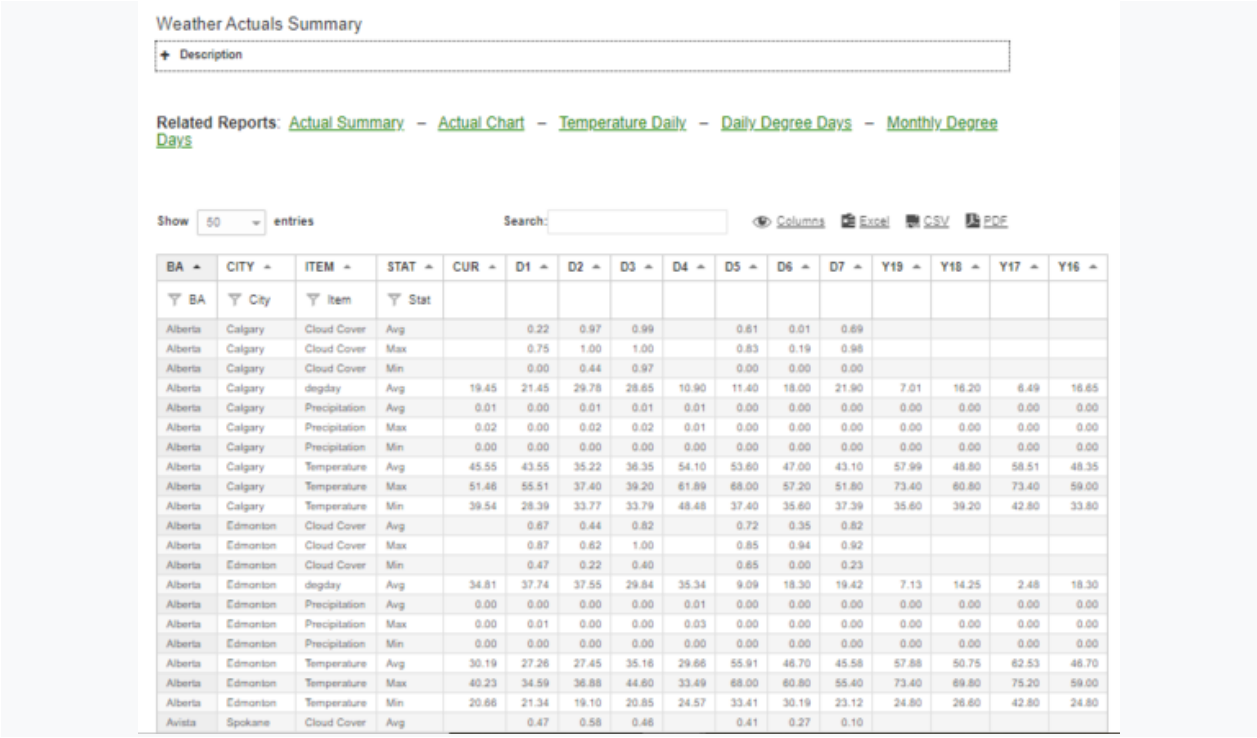


WEATHER ACTUALS



Where

[Main Menu / POWER / DEMAND / WEATHER ACTUALS]



Weather Actuals Summary

+ Description

Related Reports: Actual Summary – Actual Chart – Temperature Daily – Daily Degree Days – Monthly Degree Days

Show 50 entries Search: Columns Excel CSV PDF

BA	CITY	ITEM	STAT	CUR	D1	D2	D3	D4	D5	D6	D7	Y19	Y18	Y17	Y16
BA	City	Item	Stat												
Alberta	Calgary	Cloud Cover	Avg		0.22	0.97	0.99		0.61	0.01	0.69				
Alberta	Calgary	Cloud Cover	Max		0.75	1.00	1.00		0.83	0.19	0.98				
Alberta	Calgary	Cloud Cover	Min		0.00	0.44	0.97		0.00	0.00	0.00				
Alberta	Calgary	degday	Avg	19.45	21.45	29.78	28.65	10.90	11.40	18.00	21.90	7.01	16.20	6.49	16.65
Alberta	Calgary	Precipitation	Avg	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Calgary	Precipitation	Max	0.02	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Calgary	Precipitation	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Calgary	Temperature	Avg	45.55	43.55	35.22	36.35	54.10	53.60	47.00	43.10	57.99	48.80	58.51	48.35
Alberta	Calgary	Temperature	Max	51.46	55.51	37.40	39.20	61.89	68.00	57.20	51.80	73.40	60.80	73.40	59.00
Alberta	Calgary	Temperature	Min	39.54	28.39	33.77	33.79	48.48	37.40	35.60	37.39	35.60	39.20	42.80	33.80
Alberta	Edmonton	Cloud Cover	Avg		0.67	0.44	0.82		0.72	0.35	0.82				
Alberta	Edmonton	Cloud Cover	Max		0.87	0.62	1.00		0.85	0.94	0.92				
Alberta	Edmonton	Cloud Cover	Min		0.47	0.22	0.40		0.65	0.00	0.23				
Alberta	Edmonton	degday	Avg	34.81	37.74	37.55	29.84	35.34	9.09	18.30	19.42	7.13	14.25	2.48	18.30
Alberta	Edmonton	Precipitation	Avg	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Edmonton	Precipitation	Max	0.00	0.01	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Edmonton	Precipitation	Min	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alberta	Edmonton	Temperature	Avg	30.19	27.26	27.45	35.16	29.66	55.91	46.70	45.58	57.88	50.75	62.53	46.70
Alberta	Edmonton	Temperature	Max	40.23	34.59	36.88	44.60	33.49	68.00	60.80	55.40	73.40	69.80	75.20	59.00
Alberta	Edmonton	Temperature	Min	20.66	21.34	19.10	20.85	24.57	33.41	30.19	23.12	24.80	26.60	42.80	24.80
Avista	Spokane	Cloud Cover	Avg		0.47	0.58	0.46		0.41	0.27	0.10				

What

Actual weather data for four types: Temperature, humidity, windspeed, and precipitation.

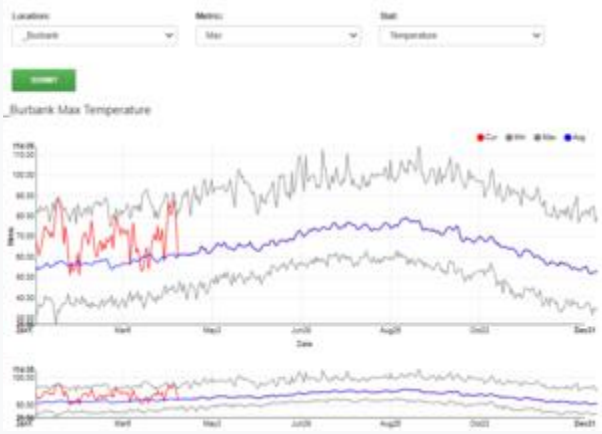
Three report objects: Average, Maximum, Minimum

- FILTER BA (BALANCE AUTHORITY) OR CITY TO GET DESIRED LOCATION
- SELECT ITEM; CLOUD COVER, PRECIPITATION, TEMPERATURE, DEGREE DAY
- FILTER FOR OJECT AVERAGE, MIN OR MAX
- CUR - CURRENT DAYS ACTUALS
- D1 - YESTERDAYS ACTUALS
- D2 - 2 DAYS AGO ACTUALS
- Y19 - 2019 ACTUALS FOR THE SAME DATE
- COLUMNS - ADD OR REMOVE COLUMNS
- EXPORT - SELECT EXCEL, CSV OR PDF

WEATHER ACTUALS CHART

Where

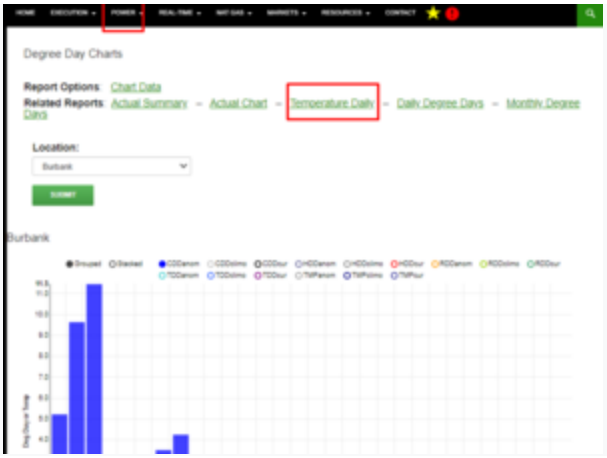
[Main Menu / POWER / DEMAND / WEATHER ACTUALS / ACTUAL CHART]



What

- SELECT LOCATION, METRIC AND STAT THEN HIT SUBMIT
- METRIC - MAX, AVERAGE, MIN
- STAT - TEMPERATURE, CLOUD COVER, PRECIPITATION, DEGDAY (DEGREE DAY)
- FOCUS CHART CAPABILITIES - CHANGE THE DATE RANGE YOU'RE LOOKING AT
- CLICK THE COLORED CIRCLE TO DISABLE A LINE IN THE CHART

WEATHER ACTUALS TEMPERATURE DAILY



Where

[Main Menu / POWER / DEMAND / WEATHER ACTUALS / TEMPERATURE DAILY]

What

- SELECT LOCATION, THEN HIT SUBMIT
- CDDANOM - COOLING DEGREE DAYS ANOMALY
- HDDcur - HEATING DEGREE DAYS CURRENT
- RDDCLIMO - RUNOFF DEGREE DAYS CLIMATOLOGY (ABOVE 40 DEGREES)
- CLICK THE COLORED CIRCLE TO DISABLE A LINE IN THE CHART