



- AER's mCast is the AER's most comprehensive long range forecasting service in the industry-- providing detailed temperature and precipitation forecasts for key regions in the US, Europe and Asia.
- Highly skilled regional Heating and Cooling Degree Day forecasts that are population weighted for electricity, gas and oil demand—and for weather derivatives traders, these forecasts are provided for the CME-traded cities.
- Forecasts that are based on a proprietary climate model developed and supported by leading seasonal forecast experts who are also available for private consultation.

mCast Advantage

Forecasts Based on Proven Science with Proven Results.

Based on over a decade of climate research at AER, leading scientists modeled the effects of fall precursors and winter climate to more accurately forecast winter temperatures and precipitation. mCast's superior forecast skill correlates to observed conditions on average, 60-70% of the time providing forecast accuracy that is second to none.

Superior Forecast Skill- Peer Reviewed & Published in Leading Journals.

Since 2005, AER's climate science has been highlighted in a feature article on the National Science Foundation's Special Report website entitled "Predicting Seasonal Weather".
See: http://www.nsf.gov/news/special_reports/autumnwinter/predicts.jsp

Consumer Demand Tailored Forecasts.

AER Scientists have published multiple papers in peer-reviewed climate journals. The latest publication in the *Journal of Climate* verified several years of model skill as compared with observations.

Released Before Government Forecasts- Giving You an Edge.

mCast forecasts are tailored to your trading needs- population weighted Heating and Cooling Degree Forecasts by energy type- electricity, natural gas and oil- helping you determine the impact of the forecast on energy demand.

Direct Access to Expert Seasonal Forecasters.

AER's mCast forecasts are independent of Government models, they are released earlier, and more importantly, have consistently outperformed the Government's climate forecast.

AER seasonal forecasters are available to answer your questions and explain their rationale in private consultations. Schedule them on an on-going basis or as needed- access to experts is key.

mCast Features

Forecast Period	Monthly forecasts out to three months and three month aggregate forecasts.
Report Format	Easy-to-read graphics, tabularized temperature anomaly, HDD/CDD forecasts and climatology and brief forecast discussion on a city, regional and national basis. Single-page report, or the longer multi-page reports.
Report Types	Population Weighted Electricity, Gas and Oil reports presented in HDD and CDD format. Regional and National Temperature reports for the U.S., Asia and Europe. Regional and National Precipitation reports U.S., Asia and Europe.
Availability	Released each month and updated weekly via email when needed. Available on or before the 10th business day of each month.
Access	Delivered seamlessly and efficiently to you via electronic mail or a robust web-based interface. 5+yr Archive available on the mCast website.
Leading Experts	Scheduled and 'on-demand' access to leading seasonal experts for private consultation.

Station	3-MONTH AVERAGE (°F) Jan, Feb & March 2008				3-MONTH TOTAL (Base 65°F) Jan, Feb & March 2008						
	Daily Mean Temperature				Cooling Degree Days		Heating Degree Days				
	Anomaly	Forecast	Most Likely Range	Climate Normal	Climate Normal	Forecast	Forecast	Forecast			
Atlanta	-0.2	47.7	45.0	50.4	47.9	12	0	45	1574	1583	1332
Boston	-1.2	32.0	30.5	33.5	33.2	1	0	0	2901	3004	2941
Chicago	-0.7	28.1	25.1	31.1	28.8	1	0	2	3299	3371	3172
Cincinnati	-0.8	35.1	31.9	38.3	35.9	2	0	22	2484	2721	2580
Dallas	-0.4	50.7	47.9	53.5	50.3	20	14	82	1334	1359	1259
Dayton	-0.3	28.2	24.9	31.5	28.5	1	0	12	3333	3359	3207
Detroit	-1.6	27.9	25.1	30.7	29.5	0	0	1	3263	3383	3149
Houston	0.2	56.7	54.7	58.7	56.5	100	92	130	887	869	827
Kansas City	0.2	34.8	31.5	38.1	34.6	0	0	15	2762	2755	2557
Las Vegas	2.9	55.4	52.8	58.0	52.5	21	39	87	1201	947	986
Minneapolis	-1.0	20.8	17.5	24.1	21.8	0	0	1	3962	4038	3674
New York	-1.3	35.3	33.2	37.1	36.6	1	0	0	2608	2714	2488
Philadelphia	-1.2	35.6	33.2	38.0	36.8	2	0	0	2585	2684	2520
Portland	0.4	43.8	41.8	45.8	43.4	0	0	0	1923	1911	1877
Portland											1284
Salt La											2729
Tucson											914
Washing											2438
Region		Normal Electricity Weighted HDD	Forecast Electricity Weighted HDD	Observed Electricity Weighted HDD for 2007							
North East		2910	3035	3032							
Great Lakes		3143	3245	3201							
Upper Midwest		3237	3255	3228							
West		1684	1553	1625							
South		1272	1291	1250							
National		2030	2036	2026							

Forecast HDD Difference from Normal for Dec 2007, Jan 2008, Feb 2008

Forecast CDD Difference from Normal for Jun 2007, Jul 2007, Aug 2007

U.S. Temperature

U.S. Precipitation

Europe Temperature

Asia Temperature

For more information or to sign up for a demo, please contact an authorized mCast Sales Representative at marketing@aer.com.



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