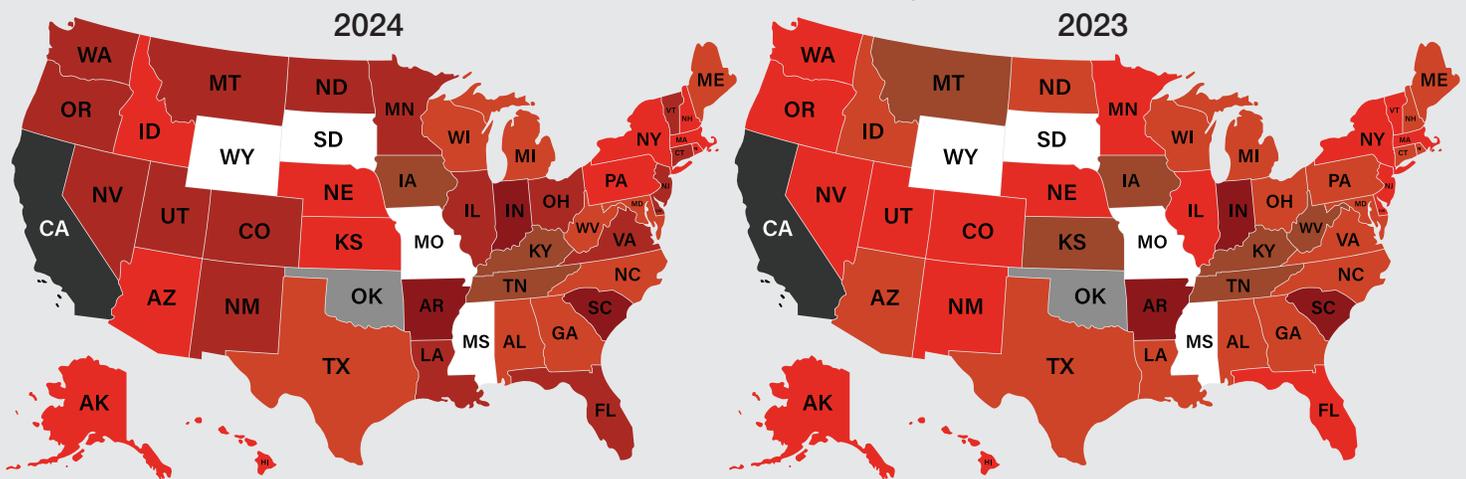


# LOW WATER TEMPERATURE (LWT) COILS



**MAP KEY  
CODE EFFICIENCY**

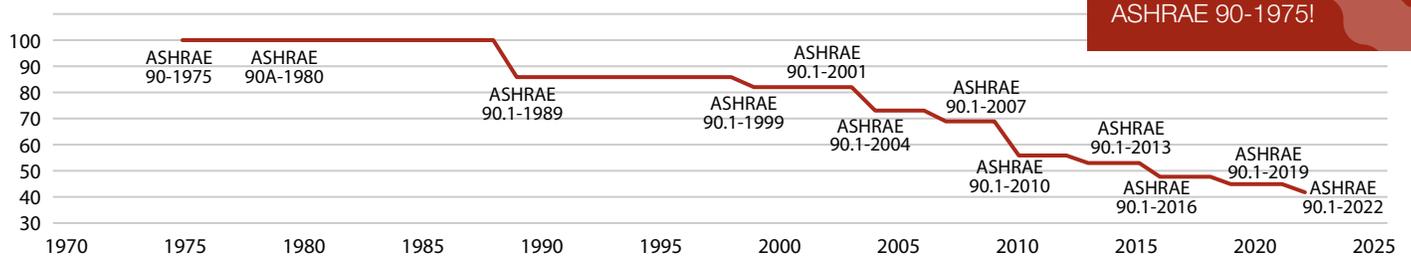
- Ashrae 90.1 2019 - IECC 2021
- Ashrae 90.1 2016 - IECC 2018

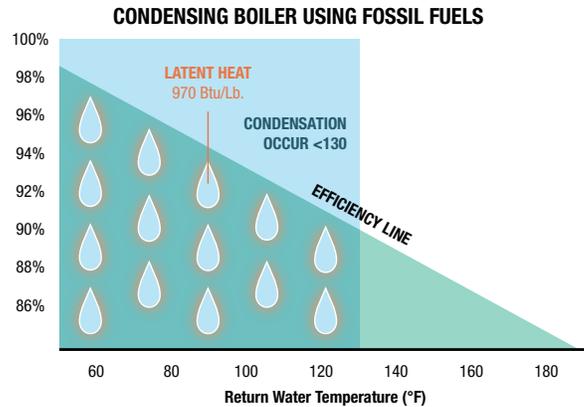
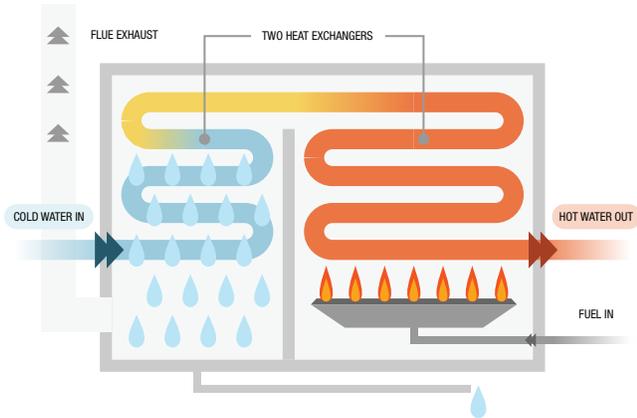
- Ashrae 90.1 2013 - IECC 2015
- Ashrae 90.1 2010 - IECC 2012
- Ashrae 90.1 2007 - IECC 2009

- <Ashrae 90.1 2007
- BEES, Title 24
- No Statewide Code

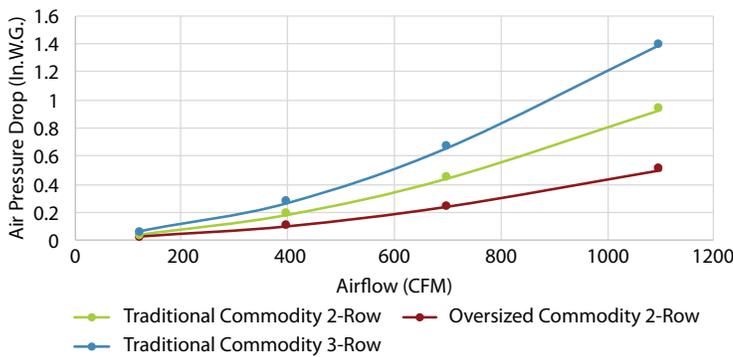
As energy code gets more stringent over-time, and newer versions of ASHRAE Standard 90.1 are adopted, design engineers need to find new energy efficient methods to heat buildings.

ASHRAE 90.1 2022 uses 60% less energy than ASHRAE 90-1975!





Condensing gas boilers are a common solution with lower hot water supply temperatures to improve efficiency, but as temperatures drop, buildings become harder to heat.



While 2 row coils often underperform for heat transfer, 3-Row coils are also not ideal! Does it make sense to improve the efficiency of the hydronic system to degrade air handler fan performance with high pressure drop coils?

	Unit Size	Reheat (CFM)	EAT (°F)	LAT (°F)	Fluid Flow (GPM)	Fluid PD (ft. w.g.)	Max APD (in. w.g.)	EWT (°F)	LWT (°F)
<b>3-Row Coils</b>	6	200	55	85	0.59	0.12	0.48	110	87.2
	8	350	55	85	1.14	0.52	0.67	110	89.8
	10	550	55	85	1.83	0.55	0.77	110	90.2
	12	800	55	85	2.71	1.33	0.86	110	90.6

New 2-Row Low Water Temperature Coils from Price Industries have *lower air pressure drop, and are lower cost than 3 row coils!*

	Unit Size	Reheat (CFM)	EAT (°F)	LAT (°F)	Fluid Flow (GPM)	Fluid PD (ft. w.g.)	Max APD (in. w.g.)	EWT (°F)	LWT (°F)
<b>2-Row LWT Coils</b>	6	200	55	85	0.63	1.04	0.23	110	88.9
	8	350	55	85	1.15	3.73	0.15	110	89.9
	10	550	55	85	1.74	1.45	0.18	110	89.2
	12	800	55	85	2.65	3.26	0.23	110	90.2

It is possible to get low cost, high performance 2-row coils that reduce air pressure drop and improve building performance at a lower cost.

## FOR SUPPORT OR TECHNICAL QUESTIONS

Consider specifying and purchasing Low Water Temperature coils from Price Industries.

Reach out to [airmovement@priceindustries.com](mailto:airmovement@priceindustries.com) for project specific application advice.