

## 2010 E3T HVAC TAG Weighted Ranking Results Summary

Emerging Technology Title and E3TNW ID	Total Score	# of respondents	Avg Score	Avg Rank	Tot Rank
Variable Capacity Compressor in Packaged Rooftop Units - 6	50	12	4.2	1	1
Premium Ventilation Package for Rooftop Units - 43	44	12	3.7	2	3
Air-Side Economizers for Data Centers - 119	47	13	3.6	3	2
Advanced Design Rooftop HVAC Unit - 246	38	11	3.5	4	5
Web-Based Small Commercial Thermostat -247	39	12	3.3	5	4
Occupancy Sensor HVAC Controls - 115	35	11	3.2	6	11
Embedded Diagnostics -163	37	12	3.1	7	6
Heat Recovery Ventilators - 20	36	12	3.0	8	7
Use Lighting Occupancy Sensors for Offices to Control HVAC - 53	36	12	3.0	8	7
Integrated Night Ventilation Cooling - 102	36	12	3.0	8	7
Heat Pump Water Heaters - 172	36	12	3.0	8	7
Dedicated Outside Air System (DOAS) - 248	33	11	3.0	8	13
Heat-Pump Domestic Hot-Water Heaters that also Provide Air Conditioning - 40	35	12	2.9	13	11
Single Zone VAV - 249	32	11	2.9	14	17
Motor by Nova Torque 1/3 to 10 HP, Super Efficiency - 101	28	10	2.8	15	22
3-Function Heat Pump: Potable, Radiant Floors, AC - 156	28	10	2.8	15	22
Retrocommissioning Major Equipment such as Chillers - 87	33	12	2.8	17	13
Reverse Cycle Chiller - 233	33	12	2.8	17	13
Hybrid Direct Expansion Plus Evaporative Cooling - 59	30	11	2.7	19	19
Radiant Heating and Cooling with Dedicated OSA Ventilation System - 74	27	10	2.7	20	24
Tighter HVAC boxes - 250	32	12	2.7	21	17
Aerosol-Based Duct Sealing for Commercial Buildings -178	29	11	2.6	22	21
High Efficiency Chiller - 251	33	13	2.5	23	13
Increased Duct Sealing Standards - 253	30	12	2.5	24	19
Ducts in the Conditioned Space - 154	27	11	2.5	25	24
High-Performance Indirect Evaporative Cooler - 252	26	11	2.4	26	27
Dual Cool to Pre-Cool Ventilation air - 255	25	11	2.3	27	28
Partial OSA Economizer for Loop Type Systems - 254	25	11	2.3	27	28
Variable Volume Dust Collection System - 12	27	12	2.3	29	24
Thermal Displacement Ventilation - 47	21	10	2.1	30	33
Ground Heat Exchanger - 256	25	12	2.1	31	28
Low Pressure Drop Piping System -257	25	12	2.1	31	28
Low Temperature Air for Airside Economizer - 258	23	12	1.9	33	32
Packaged CHP - 259	20	11	1.8	34	34
Cooling Tower Slab Cooling - 260	20	11	1.8	34	34
Thermal Energy Storage (to Reduce Peak Load) - 192	14	12	1.2	36	36
Absorption Chiller with Solar HW and Digital Controls - 202	11	11	1.0	37	37