

HAWAI'I COUNTY ENERGY CODE

2018 IECC, HAWAI'I REVISED STATUTES [HRS 107-24 TO 28](#) & HAWAI'I ADMINISTRATIVE RULES HAR 3-181.1

COMMERCIAL BUILDING ENERGY EFFICIENCY STANDARDS

I CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, THIS PROJECTS DESIGN SUBSTANTIALLY CONFORMS TO THE BUILDING ENERGY EFFICIENCY STANDARDS PERTAINING TO THE **COMMERCIAL PROVISIONS FOR MECHANICAL SYSTEMS (C403, C404 & C405)** OF THE 2018 IECC WITH AMENDMENTS PER HAR 3-181.1

STATE AMENDMENTS: [EFFECTIVE FOR NEW APPLICATIONS BEGINNING 09/01/2021](#)
 COUNTY AMENDMENTS: PENDING

COMPLIANCE METHOD

- 2018 IECC as amended. Mandatory & Prescriptive
- 2018 IECC as amended. Mandatory & Total Building Performance
- ASHRAE Standard 90.1-2016. Mandatory & Prescriptive
- ASHRAE Standard 90.1-2016. Mandatory & Energy Cost Budget

INFORMATION IN CONSTRUCTION DOCUMENTS

	Yes	N/A
HVAC Systems		
Equipment capacity and efficiency. C403.3	<input type="checkbox"/>	<input type="checkbox"/>
Thermostatic controls C403.4	<input type="checkbox"/>	<input type="checkbox"/>
Guest room door switches. C403.2.3	<input type="checkbox"/>	<input type="checkbox"/>
Ventilation rate C403.7	<input type="checkbox"/>	<input type="checkbox"/>
Demand control ventilation controls C403.7.1	<input type="checkbox"/>	<input type="checkbox"/>
Enclosed parking garage ventilation control. C403.7.2	<input type="checkbox"/>	<input type="checkbox"/>
Energy recovery ventilation system. C403.7.4	<input type="checkbox"/>	<input type="checkbox"/>
Kitchen exhaust systems. C403.7.5	<input type="checkbox"/>	<input type="checkbox"/>
Duct and plenum insulation thickness/R-value. C403.11.1	<input type="checkbox"/>	<input type="checkbox"/>
Duct and plenum sealing requirements. C403.11.1	<input type="checkbox"/>	<input type="checkbox"/>
Pipe insulation thickness/R-value. C403.2.11.3	<input type="checkbox"/>	<input type="checkbox"/>
Fan motor horsepower. C403.8.1	<input type="checkbox"/>	<input type="checkbox"/>
Fan efficiency. C403.8.3	<input type="checkbox"/>	<input type="checkbox"/>
Fan motor efficiency. C405.7	<input type="checkbox"/>	<input type="checkbox"/>
Pump motor efficiency. C405.7	<input type="checkbox"/>	<input type="checkbox"/>
Variable-flow fan control. C403.8.5	<input type="checkbox"/>	<input type="checkbox"/>
Static pressure sensor location. C403.6.9	<input type="checkbox"/>	<input type="checkbox"/>
Static pressure reset control. C403.6.8	<input type="checkbox"/>	<input type="checkbox"/>
Chilled water variable flow control. C403.4.4	<input type="checkbox"/>	<input type="checkbox"/>
Chiller isolation. C403.4.5	<input type="checkbox"/>	<input type="checkbox"/>
Cooling tower fan control. C403.9	<input type="checkbox"/>	<input type="checkbox"/>
Terminal unit minimum and maximum airflow. C403.6	<input type="checkbox"/>	<input type="checkbox"/>
Commissioning requirements. C408.2	<input type="checkbox"/>	<input type="checkbox"/>
Refrigeration		
Refrigeration equipment efficiency. C403.10	<input type="checkbox"/>	<input type="checkbox"/>
Walk-in coolers and freezers. C403.10.1, C403.10.2 & C403.10.4	<input type="checkbox"/>	<input type="checkbox"/>
Refrigerated warehouses. C403.10.1 & C403.10.4	<input type="checkbox"/>	<input type="checkbox"/>
Refrigerated display cases. C403.10.3 & C403.10.4	<input type="checkbox"/>	<input type="checkbox"/>
Service Water Heating		
Heat recovery for service water heating. C403.9.5	<input type="checkbox"/>	<input type="checkbox"/>
Equipment capacity and efficiency. C404.2	<input type="checkbox"/>	<input type="checkbox"/>
Pipe insulation. C404.4	<input type="checkbox"/>	<input type="checkbox"/>
Hot water pipe length/volume. C404.5	<input type="checkbox"/>	<input type="checkbox"/>
Hot water circulation controls. C404.6	<input type="checkbox"/>	<input type="checkbox"/>
Heated pool and spa covers. C404.9.3	<input type="checkbox"/>	<input type="checkbox"/>
Commissioning requirements. C408.2	<input type="checkbox"/>	<input type="checkbox"/>

NOTES

The above must be submitted to the County of Hawaii Building Division as a block or detail within the plan sets on its respective trade sheet (Mechanical and/or Plumbing as Applies).
Effective Date: 09/01/2021