

Summary of Proposed Ordinance relating to King County Building and Fire Code Updates

The following is a summary of an ordinance addressing proposed code changes to building and fire codes for unincorporated King County in K.C.C. Titles 16 and 17. This summary fulfills Washington State Growth Management Act and King County Code (K.C.C.) 20.18.100 requirements for a "plain language summary."

King County reviews and adopts model building codes to ensure the construction, repair, and maintenance of safe, sustainable, and resilient structures. This includes adoption and, as appropriate, amendment of codes published by or jointly with the International Code Council, Inc. (ICC), and the International Association of Plumbing and Mechanical Officials (IAPMO). The ICC and IAPMO updates these codes once every three years. The updated international codes are then adopted and amended by Washington State. Local jurisdictions, including King County, then adopt and amend the state building codes to meet local administrative needs and policy goals. With some exceptions, local jurisdictions cannot amend residential codes.

This proposed ordinance includes both substantive regulatory changes and technical clean-up. The proposed ordinance reflects the most recent 2021 international codes, as adopted by the state, which became effective March 15, 2024. Work on this update included surveyed regional fire and building code proposals and energy code amendments. This is the first time King County is proposing Energy Conservation Code amendments, which provide the greatest local opportunity to implement Strategic Climate Action Plan (SCAP) goals for the built environment. Energy code amendments only apply to commercial buildings, and multifamily buildings four stories or taller.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
Throughout	Throughout	n/a	Technical changes	<p>Technical corrections are made throughout this ordinance, including updating ICC code section numbers; K.C.C. references; code restructuring for clarification; and updated terminology to reflect current K.C.C. ordinance drafting guidance.</p> <p>Where these changes are the only amendments proposed for existing code sections, it is noted in the rationale below. Sections proposing substantive changes, in addition to technical changes, only substantive changes are noted.</p>
1	16.02.110	<p>Describes which International Code Council codes this K.C.C. chapter adopts and modifies, namely the:</p> <ul style="list-style-type: none"> • International Building Code (IBC), • International Residential Code (IRC), • International Energy Conservation Code (IECC), Commercial, • International Mechanical Code (IMC), 	<p>Proposes technical corrections and changes, including the following:</p> <ul style="list-style-type: none"> • IBC Appendix D and P are proposed to be adopted, • The International Fire Code (IFC) is proposed to be adopted and cited as described in K.C.C. 16.02.150, • Updates to the naming of IRC appendices, 	<p>Updates the International Code Council (ICC) codes referenced to the 2021 editions, and associated appendices, referenced to be consistent with current naming conventions and K.C.C. 16.02.150, and incorporates these into the K.C.C.</p> <p>Adoption of IBC Appendix P—Construction and demolition material management is intended to increase the reuse and recycling of construction and demolition materials for scoped projects. Scope</p>

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
		<ul style="list-style-type: none"> International Existing Building Code, International Property Maintenance Code (IPMC), International Wildland Urban Interface Code, and Uniform Plumbing Code. 	<ul style="list-style-type: none"> IRC Appendices AQ, AU, AY, and AZ are adopted, Updates to the naming of IECC appendices, The Universal Plumbing code is adopted and cited as described in K.C.C. 16.02.150. Proposed changes update code edition references from the 2018 edition to the 2021 edition of state codes. 	<p>includes new building construction, alterations to existing buildings and the demolition of existing buildings having a work area greater than 750 square feet or a project value greater than \$75,000, whichever is more restrictive.</p> <p>Adoption of IRC Appendix AQ allows for relaxation of various requirements in the body of the code as they apply to houses that are 400 square feet in area or less. Attention is specifically paid to features such as compact stairs, including stair handrails and headroom, ladders, reduced ceiling heights in lofts and guard and emergency escape and rescue opening requirements at lofts.</p> <p>Adoption of IRC Appendix AY—Construction and demolition material management is intended to increase the reuse and recycling of construction and demolition materials for scoped projects. Scope includes new buildings and structures construction, alterations to existing buildings and structures and the demolition of existing buildings and structures having a work area greater than 750 square feet (69.68 m2) or with a project value greater than \$75,000, whichever is more restrictive.</p> <p>Adoption of IRC Appendix AZ---Building deconstruction is intended to increase the amount of material salvaged for reuse through the act of deconstruction when a building or structure is demolished.</p>
2	16.02.150	States which regulations shall be known as the "building codes" of King County. Current code lists the IBC, IRC, IECC, IMC, IEBC, IPMC, UPC, and IFC.	Proposes to remove the King County Building Security Code (K.C.C. chapter 16.10).	Proposed update matches current practice. Current building and residential codes address building security that supersede this 30-year-old code, by aligning with the state code, regulations are simplified.
3	16.02.152	States that the IBC applies to buildings under this code, except for building types covered by the IRC, and provisions of the IMC and International Fuel Gas Code (IFGC).	<p>Proposes to add the following limited uses to scope of the IRC, when such buildings are equipped with an automatic fire sprinkler system.</p> <ul style="list-style-type: none"> Care facilities with five or fewer persons receiving custodial care within a dwelling unit, Care facilities with five or fewer persons receiving medical care within a dwelling unit, 	These three uses were added to the scope of the 2021 IRC by the state in WAC 51-51-01010 and this proposed K.C.C. update brings us in alignment with state building code.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			<ul style="list-style-type: none"> Care facilities with five or fewer persons receiving care within a single-family dwelling. <p>Proposes to allow fuel systems to be regulated by the IFGC, clarifies the type of fuel gas piping, structure types, and use types to which the IFGC will apply.</p>	
4	16.02.190	<p>Outlines the authority for enforcement of the building code to the building official, authority to enforce the IFGC to the building official and the director of public health.</p>	<p>Proposes to remove references to specific chapters of the IBC and IRC. Proposes to remove authority from the director of public health to enforce specified chapters of the IBC..</p>	<p>Clarifies the delineation of purview between the building official and director of public health regarding enforcement of the fuel gas provisions of the IRC (Chapter 24), the plumbing provisions of the IBC (Chapter 29), and IFGC in its entirety.</p>
5	16.02.240	<p>Lists projects exempt from permits, including the following:</p> <ul style="list-style-type: none"> Residential accessory buildings up to 200 square feet in size that meet certain design requirements, Agricultural and forestry accessory buildings which meet certain design requirements, Fences under 6 feet high, Retaining walls less than 4 feet high, Water tanks not exceeding 5,000 gallons, Sidewalks, decks, and driveways under 30 inches above grade, Certain interior improvements, Temporary theater installations, Prefabricated swimming pools, Temporary growing structures, Swings, Window awnings that meet certain design requirements, Certain nonfixed interior features, Reroofing a residential structure with exceptions, Submerged, freestanding mechanical boat lifts which meet certain criteria, Work in the public way and utility towers, Mechanical equipment which meets certain criteria, 	<p>Proposes language to clarify that an exemption does not grant authorization for any work. Modifies the following building permit exemptions:</p> <ul style="list-style-type: none"> Clarifies that prefabricated pools adjacent to a Group R-3 occupancy are exempt. Swings and playground equipment that exceeds 10 feet in height and 150 square feet in area and is installed inside all occupancies is not exempt. Relocates and modifies the notes that the code does not grant authorization for any work and requiring separate plumbing, electrical, and mechanical permits. <p>Adds or clarifies the following building permit exemptions:</p> <ul style="list-style-type: none"> Detached accessory structures must be unconditioned to be exempt, Shade cloth structures for nursery or agricultural purposes. Wildlife exclusion fencing up to 8 feet. 	<p>Clarifies the intent of the section which is to still require compliance with the code even where permits are not required. One proposed change clarifies that to be exempt from permit, detached accessory structures may not be conditioned; code was previously silent on this issue. Another proposed change clarifies that swimming pool barriers, regardless of height, require a permit; previously all fences not more than six feet in height were exempted. Further, the proposed change adds agricultural wildlife exclusion fencing up to eight feet in height to exempt work as requested by commercial farmers in conjunction with Washington State Department of Fish & Wildlife (WDFW). WDFW will provide farmers with funding for such fencing if it is permit exempt, and these fences are typically located and constructed such that they do not pose an increased life safety risk.</p>

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
		<ul style="list-style-type: none"> • Antenna and satellite dishes which meet certain criteria, • Roof-mounted photovoltaic solar panels which meet certain criteria, • Ground-mounted wind turbines which meet certain criteria, • Portable heating or cooking appliances, • Replacement of minor parts of equipment which meet certain criteria, • Mechanical equipment which meets certain criteria. 		
6	16.02.290	<p>Requires approved permits to expire 2 years from the date of issuance, and permits issued to correct a code violation to expire 1 year from the date of issuance. Permits may be extended for one-year periods with the following conditions:</p> <ul style="list-style-type: none"> • An application for a permit extension is submitted at least 7, but no more than 60 days before the expiration date, • Construction has substantially begun, • The applicant has not requested more than 2 prior permit extensions, • Extensions beyond the second extension are permitted to complete a structure or mechanical system which is substantially constructed, • A permit may be revised, but does not constitute an extension. 	<p>Proposes to remove timeframes for submitted a permit extension request. Modifies the requirement to have substantial construction underway to request an extension. Adds conditions under which extensions will not be granted.</p>	<p>Restructures the section and simplifies the language to allow for better compliance and enforcement.</p>
7	16.02.340	<p>An applicant may begin work prior to obtaining the required permit or approval if the applicant deposits cash or an equivalent in escrow, and the building official determines:</p> <ul style="list-style-type: none"> • The work does not endanger or harm the property, • The work would not violate SEPA requirements. 	<p>Proposes to add a condition that the scope of work must not include alterations, site development, or approvals regulated under K.C.C. Title 9.</p>	<p>The intent of Pre-Issuance Construction Authorizations (PICAs) has always been to allow early construction to begin on a building before the full building permit has been reviewed and approved; but not as a mechanism to permit site work prior to drainage reviews being completed. This change corrects the language to clarify that intent so that significant site work is not undertaken before there sufficient knowledge that the site may be developed in compliance with stormwater regulations found in K.C.C. Title 9. This proposed</p>

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				provision allows for adequate review and enforcement of pre-construction stormwater mitigation measures.
8	16.02.440	Energy efficiency inspections are required to be in accordance with the IECC as adopted and amended by WAC 51-11C and 51-11R, and as amended in Title 16.	Updates the IBC reference.	The proposed change clarifies the section number that was updated in the 2021 IBC, Further, it corrects the reference from the eh IECC to the WSEC.
9	16.02.470	A building official may issue a certificate of occupancy (CO) or a certificate of shell completion.	Revised language to remove reference to certificate of shell completion.	Removed policy language from code which addressed how to issue certificate of occupancies for shell only (speculative use) buildings.
10	16.02.540	A CO and/or certificate of shell completion shall be posted on the premises.	Removes the reference to certificate of shell completion.	This removed a no longer used reference, see line item in 16.02.470.
11	16.03.020	The following definitions within IBC 202 are not adopted: <ul style="list-style-type: none"> • Base flood, • Base flood elevation, • Coastal high-hazard area, • Design flood, • Dry floodproofing, • Flood hazard area, • Flood insurance rate map (FIRM), • Flood insurance study, • Floodway, • Historic buildings, • Special flood hazard area, • Substantial improvement. 	Proposes to remove the definition of historic buildings from this list of definitions that are not adopted, thereby, adopting the IBC definition of the term "historic buildings." This action aligns our code with the I codes.	This section is being revised to align the county code with the I-Codes.
12	16.03.280	Defines a water heater.	Technical corrections.	Updated water heater definition to align with Seattle's code for ease of enforcement by Seattle/King County Public Health. Where we do not align with the state codes, it is preferable in plumbing code to be in alignment with Seattle codes.
13	16.04.XXX New Section	n/a	Proposes to modify IBC 429.2. Adds requirements for electric vehicle charging infrastructure.	Electric vehicle charging infrastructure is an essential part of the SCAP. Accommodating emerging technologies and reducing reliance on fossil fuel energy sources in the construction of new buildings is easier and less-expensive retrofits
14	16.04.440	Supplements IBC to clarify who can complete a flood elevation certificate.	Corrects King County code language to clarify a surveyor is required to complete FEMA elevation certificate. Removes reference to engineer. Adds a reference to a K.C.C. code section for further information.	This revision brings K.C.C. into compliance with state law and provides code user with reference to Title 21A for more information.
15	16.04.600	Supplements IBC appendix AZ 106 with requirements for noise reduction	Technical corrections.	Spelled out units of measurement and reformatted for consistency with K.C.C. and ease of reading.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
		coefficient and sound transmission class.		
16	16.04.620	Supplements IBC appendix AZ 108 with a definition of the Seattle-Tacoma noise program area.	Technical corrections.	Spelled out units of measurement and reformatted for consistency with K.C.C. and ease of reading.
17	16.04.630	Supplements IBC appendix AZ 109 with requirements for air leakage for all buildings.	Technical corrections.	Reformatted for consistency with K.C.C. and ease of reading.
18	16.04.720	Supplements IBC appendix AZ 118 with requirements for exterior walls, and stud walls.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
19	16.04.730	Supplements IBC appendix AZ 119 with requirements for exterior window 30 dB compliance	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
20	16.04.740	Supplements IBC appendix AZ 120 with requirements for exterior doors 30 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
21	16.04.750	Supplements IBC appendix AZ 121 with requirements for roofs 30 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
22	16.04.760	Supplements IBC appendix AZ 122 with requirements for ceilings 30 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
23	16.04.770	Supplements IBC appendix AZ 123 with requirements for 30 dB compliance.	Technical corrections.	Corrected the code reference from International Energy Conservation Code (IECC) to the Washington State Energy Code (WSEC).
24	16.04.780	Supplements IBC appendix AZ 124 with requirements for ventilation 30 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
25	16.04.800	Supplements IBC appendix AZ 126 with requirements for exterior walls 35 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
26	16.04.820	Supplements IBC appendix AZ 128 with requirements for exterior doors 35 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
27	16.04.830	Supplements IBC appendix AZ 129 with requirements for roofs 35 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
28	16.04.840	Supplements IBC appendix AZ 130 with requirements for ceiling 35 dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
29	16.04.850	Supplements IBC appendix AZ 131 with requirements for floors 35 dB compliance.	Technical corrections.	Corrected the code reference from International Energy Conservation Code (IECC) to the Washington State Energy Code (WSEC).

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
30	16.04.860	Supplements IBC appendix AZ 132 with requirements for ventilation dB compliance.	Technical corrections.	Added metric measurements, spelled out units of measurement, and reformatted for consistency with K.C.C. and ease of reading.
31	16.04.xxx New Section	n/a	Propose to require electric vehicle charging infrastructure to be provided in accordance with a specific section of the building code.	To be consistent with EV charging infrastructure changes.
32	16.05.040	Provides climate and geographical design criteria for building and planning in King County.	Technical corrections.	Added metric conversions. No substantive code change.
33	16.05.065	Provides requirements for emergency escape windows under decks and porches.	Technical corrections.	Align code language with 2021 IBC.
34	16.05.xxx New Section	n/a	Modifies IRC Table R311.2.	Clarifies which spaces above and within garages require egress doors.
35	16.07.XXX New Section	n/a	Supplements WSEC C101 with timelines for vesting of initial tenant improvements.	Clarifies the vesting of tenant improvements and sets limits on the use of older energy efficiency codes.
36	16.07.040	Definitions to supplement the definitions within the IECC as adopted, amended, and supplemented by K.C.C. Title 16.	<p>Proposes to remove the following definitions:</p> <ul style="list-style-type: none"> • Automatic control device, • Conditioned space, • Continuous insulation, • Controlled receptacle, • DOAS, • Mass transfer deck slab, • Multi-pass, • Single-pass • Solar zone, • Temperature maintenance. <p>Proposes to add the following definitions:</p> <ul style="list-style-type: none"> • Best efficiency point • Clean water pump, • High-end trim, • Occupied standby mode, • Pump energy index. 	<p>Identical or equivalent definitions for the terms being removed are now integrated into the 2021 model codes.</p> <p>Best efficiency point, clean water pump, and pump energy index are being added to support proposed code additions in IECC 403.15. Other definitions are added to support emerging technologies that meet the goals of the SCAP.</p>
37	16.07.xxx New Section	n/a	WSEC C402.1.3 Provides guidance on how to calculate insulation to meet energy code.	This section simplifies the use of the code.
38	16.07.060	Provides requirements for the U-factor of opaque thermal envelope assemblies.	<p>Proposes technical corrections, including:</p> <ul style="list-style-type: none"> • Reduce maximum allowed metal frame building assembly u-value 	Align with WSEC (State code changes) for greater thermal performance of building thermal envelope elements.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			<p>(from U-0.052 to U-0.0050) to match state code change.</p> <ul style="list-style-type: none"> • Reduce maximum allowed nonswinging door assembly u-value (from U-0.34 to U-0.31) to match state code change. • Added garage doors with more than 14% glazing to the table to match state code change. • Did not adopt state footnotes b, d • Updated footnote a to reflect WSEC rather than IECC • Updated footnotes h, i, j, k to match state • Added footnote l 	
39	16.07.xxx New Section	n/a	Proposed modification to clarify how to address the high-performance fenestration requirements of the modified Table C402.4 in the component performance alternative calculation (WSEC C402.1.5).	Because changes were made to the Table C402.4, this section needs to be updated to instruct code users how to incorporate the requirements of the table into this equation.
40	16.07.100	Provides U-factor requirements for fenestration.	Modifies the fenestration table (WSEC C402.4) to require a minimum of 20% of all glazing in a building to be at “high-performance” fenestration. The remaining 80% of fenestration is permitted to meet standard (state code) thermal performance requirements.	Increasing required thermal performance for a portion of the windows in new buildings assists in transitioning the industry to triple-glazing as typical in the region. An increased demand for triple-glazing will lead to reduce cost and lead time and helps support a market transition and possible 100% requirement in future code cycles.
41	16.07.XXX New Section	n/a	Modifies the allowable area of vertical glazing from a flat 30% for all building types, to a percentage based on building occupancy and use type.	<p>Proposed change sets maximum allowable glazing area by occupancy and use type, rather than a straight 30 or 35% for every building type. By setting allowable areas by use type, the code can more closely align with typical designs for building use types, and provide more equitable enforcement of the provisions.</p> <p>Note that this gives large office and multifamily a 35% baseline. Grocery and standalone retail percentages were doubled (from ASHRAE baseline) to allow for exceptional circumstances and schools were increased from 22 to 26%. Also required some re-wording for Equation 4-3.</p> <p>Overall, the stringency of the code is increasing even if some building types may exceed the original 30% cut-off.</p>

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
42	16.07.XXX New Section	n/a	Modifies code section WSEC C402.4.1 which outlines how to calculate high performance alternates. These changes were needed since Section 41 requires high-performance glazing as a baseline.	The base code limits the amount of glazing in new buildings. This alternative allows buildings to be designed with more glazing (including windows) if the glazing installed has a higher performance rating. Since amendments in other sections elevate the base code, this section had to be amended accordingly.
43	16.07.110	Provides requirements for high-performance fenestration.	Proposes to decrease the required U-factor for glazing to qualify as high-performance, making the standard essentially triple-glazing or equivalent. These changes were needed since Section 41 requires high-performance glazing as a baseline.	The base code limits the amount of glazing in new buildings. This alternative allows buildings to be designed with more glazing (including windows) if the glazing installed has a higher performance rating. Since amendments in other sections elevate the base code, this section had to be amended accordingly.
44	16.07.130	Provides a list of medical office and residential occupancy listings and whether the areas are included or excluded from HVAC TSPR.	Move code text into tabular form for ease of use.	The proposed amendment puts the requirements in a table form that is easier to read than a text version.
45	16.07.140	Supplements WSEC C403.1.4 and restricts the types of electric resistance and fossil fuel HVAC heating equipment. Provides several dozen exceptions.	<p>Modifications made to the exceptions to WSEC C403.1.4 Use of electric resistance and fossil fuel-fired HVAC heating equipment. Removes climate zones not applicable to the county.</p> <ul style="list-style-type: none"> • Exception 2: Permits electric resistance wattage to be averaged over all the rooms in one apartment. • Exception 11: Requires hydronic systems using district heating coils to be sized large enough to work with 118°F water, to accommodate future change to heat pump. • Exception 16: Clarification for King County climate • Exception 18: Permits fossil fuel for essential facility emergency generators and emergency heating to be used during power outages • Exception 19: Clarification requested by staff that electric resistance “standby equipment” is permissible. • Exception 20: Clarifies that emergency generators for any building type are permitted to use fossil fuel. 	Various clarifications to code users for when electric resistance and/or fossil fuels may be used to promote design flexibility.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			<ul style="list-style-type: none"> Exception 21: Covers auxiliary electric resistance heating for wastewater heat pump systems. 	
46	16.07.XXX New Section	n/a	WSEC C403.3.2 allows HVAC equipment to meet efficiency values including HSPF2, EER2, and SEER2 after they have been published by the US Department of Energy.	HSPF2 (versus HSPF) and so on are newer metrics which more accurately represent real-world efficiency and performance of equipment. Adding this sentence is just clarifying that once equipment is rated to the new metrics, those can be used in lieu of the old ones.
47	16.07.xxx New Section	n/a	Residential occupancies (dwelling and sleeping units) are already required by the mechanical code to be provided with balanced ventilation with heat recovery, essentially meaning that they are already designed with DOAS. This change proposes to apply the energy code DOAS rules to those buildings that use central or rooftop systems.	This amendment ensures that, rather than DOAS being implied, DOAS is clearly required, and hence all DOAS rules apply. This also clarifies which conditions do or do not require it.
48	16.07.xxx New Section	n/a	Modifies section WSEC C403.3.5.2 to reduced fan power allowance from 1 watt per cfm to 0.8 watts per cfm for DOAS systems.	Edits to this section reduce fan power and increase required energy efficiency of installed DOAS systems. Requiring a more efficient fan for outdoor air delivery improves overall system energy efficiency, which is in line with County SCAP goals, as well as the state's target to construct increasingly energy efficient homes and buildings by the year 2031 per RCW 19.27A.020.
49	16.07.xxx New Section	n/a	Added an exception 2 to Section C403.3.5.5 to allow for supplemental heating in DOAS systems in residential occupancies.	Allows supplemental heating to be used in residential occupancies with zonal systems for increased system design options while maintaining energy efficiency goals.
50	16.07.xxx New Section	n/a	Adds a new section C403.3.5.6 to the code which requires in some situations, that the DOAS be equipped with an air economizer bypass damper, energy recovery media bypass damper, or energy recovery wheel speed control. Controls must be configured to minimize energy recovery operation or maintain an appropriate DOAS	Requires additional controls be provided on larger air systems (over 500 cfm) to prevent overheating of supply air to maximize energy efficiency.
51	16.07.xxx New Section	n/a	Renumbering subsection due to new section added in Section 51 of the ordinance.	This amendment is a code cleanup. The code section references need to be updated in due to the new subsection inserted upstream in Section 51 of the ordinance. No change to code intent.
52	16.07.xxx New Section	n/a	WSEC C403.3.6 is duplicated in state code by WSEC C403.7.6.1, so it does not need to be adopted.	Removes duplicated section in the code and instead provides a pointer to the location information can be found, for readability and ease of use.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
53	16.07.xxx New Section	n/a	Adds an exception to WSEC C403.4.1.7 for R-2 dwelling units (apartments) from to be exempted from providing demand responsive controls.	Allowing apartments to be exempt from demand responsive controls allows more flexibility in design and aligns with other proposed amendments regarding off-hours controls (found in Section 55).
54	16.07.xx New Section	n/a	WSEC C403.4.2. The proposed change adds common areas in residential buildings to the use types which must be provided with off-hours controls be provided for heating setback.	Off-hours controls lead to increase system efficiency and reduces waste for areas that are not always occupied. This is an energy efficiency measure that aligns with SCAP goals by reducing heating and cooling energy use in spaces that are not always occupied.
55	16.07.xx New Section	n/a	Modifications to economizer exceptions found in WSEC C403.5. Adds options d and e to Table C403.5(9) for more design flexibility for equipment used to cool server rooms, etc.	Exception clean-up for code clarity. Allows more flexibility in design for medical and lab uses, and spaces provided with DOAS systems which either include, or are not required to be provided with, energy recovery.
56	16.07.xxx New Section	n/a	Adds code reference to clarify ventilation and exhaust systems must comply with newly proposed Section C403.8.7.	Provides necessary clarification to the code to ensure applicability of proposed subsection C403.8.7.
57	16.07.180	Requires and provides regulations for energy recovery ventilation systems.	Proposes to increase the minimum efficiency from 60% to 67% for R-2 occupancies. Also proposes to add an exception for certain listed H-ERVs.	Edits to this section increase efficiency of installed equipment. Requiring a more efficient mechanical system installed up front in residential units improves overall system energy efficiency, which is in line with County SCAP goals, as well as the state's target to construct increasingly energy efficient homes and buildings by the year 2031 per RCW 19.27A.020. Further, this will result in decrease energy bills for residents.
58	16.07.xxx New Section	n/a	Proposes to reduce the system airflow requirement which triggers low leakage relief dampers in systems from 5,000 cfm to 300 cfm.	Requiring low leakage motorized dampers in smaller systems to reduce air leakage from buildings, resulting in better air quality and more precise temperature control. This also reduces energy usage from heating or cooling loads lost due to leakage from the building thermal envelope.
59	16.07.XXX New Section	n/a	Proposes to supplement WSEC C403.8.4 by clarifying efficiency requirements for low-capacity ventilation fans.	Providing more granular requirements for different fan types which more readily matches industry standards.
60	16.07.XXX New Section	n/a	Proposes to supplement WSEC C403.8.7 by requiring occupied standby controls in certain use types, and outlines the functionality requirements for these controls.	Part of a series to improve ventilation energy efficiency across the energy code. Occupied standby controls increase efficiency ventilation systems by pausing ventilation air and setting the temperature back 1-degree when the space is unoccupied. Requiring a more efficient mechanical system installed up front in residential units improves overall system energy efficiency, which is in line with County SCAP goals, as well as the state's target to construct increasingly energy efficient homes and buildings by the year 2031

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				per RCW 19.27A.020. Further, this will result in decrease energy bills for residents.
61	16.07.XXX New Section	n/a	WSEC C403.10.1.2.insulation requirements for duct systems. The proposed changes add requirements for two scenarios not previously addressed.	Clarifies insulation requirements for ducts conveying unconditioned air by providing specific instructions for how to handle those instances with specific directions. This will reduce heat loss for greater energy efficiency, reduce wear and tear on HVAC systems, as well as increase air quality by preventing condensation which can lead to mold growth. Further, this will improve comfort for occupants with a more constant air temperature.
62	16.07.xxx New Section	n/a	Adds reference to duct testing requirements in proposed section C403.10.2.4.	Reference is needed to clarify applicability of added subsection for duct testing.
63	16.07.XXX New Section	n/a	Proposes to modify WSEC C403.10.2.4. Proposes duct leakage testing requirements for high pressure duct systems and clarifies testing procedures.	Duct leakage testing is important because it identifies leaks in your HVAC ductwork, which can significantly waste energy by allowing conditioned air to escape, leading to higher utility bills, inconsistent temperatures, and potential indoor air quality issues. Duct testing ensures that the HVAC system is operating as designed and at peak efficiency.
64	16.07.xxx New Section	n/a	WSEC C403.11.1 states that systems installed to provide heat outside a building or in unheated spaces shall be radiant systems. They must be controlled by an occupancy sensing device or timer.	Including unheated spaces in the scope of this section is in line with the code intent, and adding a 20-minute time limitation more clearly defines when a space is "not occupied."
65	16.07.XXX New Section	n/a	Proposes add new section WSEC C403.15, which sets minimum efficiency standards for clean water pumps	Increases hydronic pump systems efficiency for systems delivering heat through liquids. Does not apply to potable water pumps. The language mimics the 2024 IECC C403.17 model code. The methodology, requirements, and exceptions contained in this proposal mirror what is already included in ASHRAE 90.1-2019 and what is required by DOE to demonstrate compliance. Listing them in the IECC will provide designers with the necessary information on how to calculate PEI and which pumping systems are required to comply.
66	16.07.XXX New Section	n/a	Modifies exception. Clarifies that lab sinks are considered process equipment. Clarifies that exempt manufacturing, industrial or commercial process equipment is still required to comply with C404.6 (insulation of hot water piping).	Proposed amendments are editorial to clarify that laboratory sinks are classified as "process" equipment, for purposes of this code, and which C404 subsections apply to process and industrial equipment.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
67	16.07.XXX New Section	n/a	Proposes to modify Table 404.2 by adding a new footnote, Footnote M.	Provides pointer to section on required storage tank insulation, to improve code readability.
68	16.07.220	Requires that buildings with more than four R-1 or R-2 dwelling or sleeping units and any other building with a heated water circulation system over a certain capacity cannot use fossil fuel combustion or electric resistance.	Aligns text to current WSEC language and adds allowance for ground-source heat pump water heaters systems. Removes allowance for fossil-fuel supplemental water heating. Adds exceptions 8-10 for certain point of use instantaneous electric water heaters, unitary air source heat pump water heaters, and standby water heating using electric resistance.	Transition to heat pump technology for water heating improves overall system energy efficiency, which is in line with County SCAP goals, as well as the state's target to construct increasingly energy efficient buildings by the year 2031 per RCW 19.27A.020. Further, this will result in decrease energy bills for owners and tenants.
69	16.07.XXX New Section	n/a	Increases allowable piping length between hot water source and fixture for supply pipe sizes between 3/8" – 5/8".	Provides additional flexibility for installers and reduces development costs without reducing efficiency.
70	16.07.XXX New Section	n/a	Proposes to supplement WSEC C404.3.3 determine piping size for dwelling units in R-2 occupancies.	This proposed amendment provides criteria for sizing hot water supply systems for residential uses, ensuring systems installed are not over-sized for the demand, which can result in higher energy usage than necessary and reduce equipment lifespan.
71	16.07.XXX New Section	n/a	Proposes to modify WSEC C404.6 to add Table C404.6 rather than referring to Table C403.10.3 (in another section of the code).	<p>This puts all relating hot water pipe insulation requirements together into one place, for easier code use and reduced confusions. Only two temperature ranges are displayed because domestic hot water is rarely heated outside the 105–200-degree range. The footnote re: "outside the stated range" addresses these exceptions.</p> <p>This edit removes irrelevant information, clarifies "vertical support" exception, and that for tubular insulation you are not excused from pipe insulation requirements just because a manufacturer recommends thinner insulation. New Table C404.6 makes requirements more readable, consolidating hot water pipe insulation thickness requirements in one</p>

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				place, instead of having to go back to a table in C403 and its footnotes. Compared to the state table, the proposed table integrates state footnote "a" into the table. Conductivity and mean rating temperature were moved all the way to the right. Simplifies the fluid operating temperature ranges.
72	16.07.XXX New Section	n/a	Proposes to modify WSEC C404.7.1.2 for multiple riser systems. Item 1 is clarified to include 4-hour time period, Item 2 is deleted, Item 3 is modified for more precise balancing, Item 4 is added to require a variable speed circulation pump. Exception is added, which states Group I and Group R occupancies are not required to have controls to turn off circulation pumps.	Proposed change provides more precise design criteria for multiple riser systems – by replacing the term "extended periods when hot water is not required" to a 4-hour period, and further by defining what is required for balancing each riser and piping zone.
73	16.07.XXX New Section	n/a	State code requires heat recovery be provided for pools, spas, and hot tubs. Proposed change clarifies that solar water heating systems required by C406 credits or C411 are not permitted to be used for exemptions from this section.	Clarifies which solar water heating systems are exempt from heat recovery. Reduces "double-dipping" of systems that are now required in base code from other proposed changes.
74	16.07.XXX New Section	n/a	Adds code references for receptacles, controlled receptacles, solar readiness, and renewable energy. Added a minimum efficacy for luminaires in dwelling units.	Provide editorial changes for code usability. Clarifies which (existing) sections apply to different systems.
75	16.07.XXX New Section	n/a	Proposes to modify WSEC Table C405.2(1) to correct typos and add reference for covered parking to applicable subsection.	Editorial corrections for code usability.
76	16.07.xxx New Section	n/a	Minor modifications lighting control functions within warehouse storage areas and library stacks (WSEC C405.2.1.2).	Text revision to clarify that the 50% required reduction must be a 50% reduction from full power. Also, a revision that requires time switch lighting controls in areas that do not have occupant sensor lighting controls. This will reduce energy usage of lighting systems in areas that are infrequently occupied, saving energy and reducing utility bills.
77	16.07.xxx New Section	n/a	Clarifies functionality of time switch controls. Reduced individual override switch controls to lighting for an area not larger than 2,500 square feet (reduced from 5,000 square feet).	Greater specificity of controls requirements reduces confusion for designers, installers, and inspectors. Reducing area covered by individual overrides maintains more precise control of energy usage.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
78	16.07.xxx New Section	n/a	Proposes to modify WSEC C405.2.3 to prohibit stairwells and parking garages from using manual lighting control switches.	For safety and security of occupants in these spaces, we do not want readily accessible manual lighting controls available to occupants.
79	16.07.xxx New Section	n/a	Proposes to modify WSEC C405.2.4, to use term “dimming” versus “light-reduction” and provides a list of space types where dimming controls are required.	This proposed amendment draws from a proposal for the 2024 IECC codes, expanding locations where dimming controls are to be provided. Dimming controls allow occupants more precise lighting control for occupant comfort, while also saving electricity.
80	16.07.xxx New Section	n/a	Proposes to modify WSEC C405.2.4.1 to outline required functionality of dimming controls including manual controls readily available to occupants, and the ability to dim lighting to between 10%-100% of full power (rather than 50%-100% of full power).	Specific controls requirements are necessary for designers and to select code compliant products and for inspectors to verify compliance. Controls which provide greater dimming capability allow occupants more precise lighting control for occupant comfort, while also saving electricity.
81	16.07.xxx New Section	n/a	Proposes to modify WSEC C405.2.5.1 for daylight responsive controls function. Updates reference to sections in item 7. Item 10 is updated to not more than 60 lineal feet, item 12 is added for initial illuminance level settings.	Specific controls requirements are necessary for designers and to select code compliant products and for inspectors to verify compliance. Daylight responsive controls provide more automatic reduction in provided lighting when areas near windows or skylights are able to provide natural lighting. These more specific control functions allow occupants more precise lighting control for occupant comfort, while also saving electricity.
82	16.07.xxx New Section	n/a	Proposes to modify WSEC C405.2.5.1.1 to required daylighting responsive lighting controls be provided with continuous, rather than stepped dimming, and reduce lighting down to 10% of full power, versus 15% of full power.	Specific controls requirements are necessary for designers and to select code compliant products and for inspectors to verify compliance. Controls which provide greater dimming capability allow occupants more precise lighting control for occupant comfort, while also saving electricity.
83	16.07.xx New Section	n/a	Proposes to modify WSEC C405.2.6: 1: to add a requirement for automatic controls to turn off lighting installed within furniture in hotel rooms and sleeping units after 20 minutes of vacancy. 2: reference to "nonhuman life forms: edited to "plants and animals." Adding lighting installed in furniture in hotel rooms is more specific to common installations for that use type. The other edit is just for readability.	Adding lighting installed in furniture in hotel rooms is more specific to common installations for that use type. The other edits are just for readability.
84	16.07.310	Provides interior lighting allowances for certain uses using the building area method.	Proposes changes to Table C405.4.2(1), in most cases decreasing the allowed watts per square foot allowed in most building types. Proposes to remove footnotes for easier compliance.	Reduce all the interior LPDs 10% below 2024 IECC (about 5% below current WA LPDs) for more energy efficient installations. This will reduce energy usage of lighting systems in most building types, a low upfront cost way to save energy and reduce long term utility

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				bills. Following state code by striking all the footnotes to the table and the footnotes in the table entries.
85	16.07.320	Provides interior lighting allowances for certain uses using the space-by-space method.	Proposes changes to Table C405.4.2(2), in most cases decreasing the allowed watts per square foot allowed in most space types. Adds some use types for more specificity in the code application. Footnotes are updated to reflect changes made at the state level for energy efficiency. Eliminate a footnote about task lighting since the code does not regulate task lighting.	Reduce all the interior LPDs 10% below 2024 IECC (about 5% below current WA LPDs) for more energy efficient installations. This will reduce energy usage of lighting systems in most building types, a low upfront cost way to save energy and reduce long term utility bills. Following state code by striking all the footnotes to the table and the footnotes in the table entries.
86	16.07.XXX New Section	n/a	Proposes to modify WSEC C405.4.2.2.1. to reduce the additional lighting power allowed in certain retail uses to highlight merchandise.	This will reduce energy usage of lighting systems, a low upfront cost way to save energy and reduce long term utility bills.
87	16.07.XXX New Section	n/a	Proposes to modify WSEC C405.5.5. Proposes to require full cutoff luminaires for open parking, outdoor areas, and roadways, and proposes criteria.	The proposed cutoff requirements for lights mounted above 15 feet are aimed at decreasing energy consumption for exterior lighting and reducing light pollution and light spillover onto adjacent properties.
88	16.07.XXX New Section	n/a	Proposes to add Exception 6 to WSEC C405.8, allowing small fans to be exempted from C405.8 when they meet the modified Section C403.8.4 for low-capacity fans.	The proposed exception is to coordinate with the proposed change in Section C403.8.4 "Low-Capacity Ventilation Fans".
89	16.07.XXX New Section	n/a	Current K.C.C. 16.07.210 requires Energy Star commercial kitchen equipment (fryers, hot food holding cabinets, steam cookers, and dishwashers). Current K.C.C. adds this to Section 403 of the WSEC, the proposed change corrects the location of this local amendment to end of Section 405 of the WSEC.	Correcting location of local amendment within the structure of the state code only.
90	16.07.XXX New Section	n/a	Proposes to supplement WSEC C405 with a section on electrification readiness in new buildings where gas appliances are being installed in commercial kitchens. The change requires an electrical panel to be provided within or adjacent to each space with commercial cooking appliances, sized to serve future electric appliances to replace all fossil fuel-fired appliances in the space with a minimum voltage.	Allows for the building owner and tenants flexibility in the future to install electric commercial appliances instead of gas-fired appliances. Often conversion projects run into electrical service capacity issues which can be cost-prohibitive for remodels, so by enacting this provision it will prepare a building to provide infrastructure for future electric appliance installs at a much lower cost.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
91	16.07.XXX New Section	n/a	Proposes to modify WSEC Table C406.1 to require projects in both new buildings and building additions achieve more energy credits. Load management credit requirements are unchanged.	Ultimately this change will require new construction or building additions to be more energy efficient by 10% across the board, meeting the goals of the SCAP, as well as the state's target to construct increasingly energy efficient buildings by the year 2031 per RCW 19.27A.020. Further, this will result in decrease energy bills for owners and tenants.
92	16.07.XXX New Section	n/a	Corrects code references within WSEC C406.1.1.1.	Corrected the code references that were incorrect in the State code. Code cleanup.
93	16.07.XXX New Section	n/a	Corrects code references within WSEC C406.1.1.2.	Corrected the code references that were incorrect in the State code. Code cleanup.
94	16.07.XXX New Section	n/a	Proposes to modify WSEC Table C406.2(1). 1-removes credits that were added into the base code by other proposed changes 2-amends points for certain credit options.	City of Seattle contracted with the Pacific Northwest National Laboratory (PNNL) to analyze the state credit system with the final amendments in the WA code. PNNL did high-level energy modeling of 17 proto-typical building types for analysis, and proposed the amended point values for the Seattle energy codes, which the KC amendments are proposing to emulate. These are more accurate in terms of energy savings for each measure by building type. Also, eliminating the enhanced commercial kitchen equipment credit (#27) since this is already required by code and adjusting other credits to account for increased requirements throughout the code.
95	16.07.XXX New Section	n/a	Proposes to modify WSEC Table C406.2(2) to remove credits that were added into the base code by other proposed changes.	Removed two credit options that were added to the base code as required.
96	16.07.XXX New Section	n/a	Adds Group R-1 sleeping units (such as hotel rooms) to those that can achieve credit for installation of advanced HVAC controls.	Allow this credit to be applied to sleeping units in R-1 occupancies (hotels).
97	16.07.XXX New Section	n/a	Clarifies WSEC C406.2.2 (more efficient HVAC system performance) is not allowed to be used in low energy or semi-heating spaces, or in systems with fossil-fuel fired HVAC equipment or district energy systems.	Clarifies which projects are eligible to use this credit option.
98	16.07.xxx New Section	n/a	Clarifies WSEC C406.2.2.3 (more efficient HVAC equipment heating performance) is not allowed to be used in systems with fossil-fuel fired HVAC equipment or district energy systems.	Clarifies which projects are eligible to use this credit option.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
99	16.07.xxx New Section	n/a	Clarifies WSEC C406.2.2.6 (high performance DOAS) is not allowed to be used in systems with fossil-fuel fired HVAC equipment or district energy systems. Further, provides reference to two other proposed local amendments (C403.7.6.1 and C403.8).	Clarifies the required efficiencies for DOAS systems for R-2 occupancies, and clarifies which projects are eligible to use this credit option.
100	16.07.xxx New Section	n/a	Clarifies which space types are eligible for WSEC C406.2.4.2 (enhanced digital lighting controls).	Clarifies that this credit cannot be used in larger open office areas where the base code already requires advanced lighting controls.
101	16.07.xxx New Section	n/a	Clarifies WSEC C406.2.6 (reduced energy use in service water heating) is not allowed to be used in systems with fossil-fuel fired equipment or district energy systems.	Clarifies which projects are eligible to use this credit option.
102	16.07.xxx New Section	n/a	Proposes to modify WSEC C406.2.6.3.1 (heat pump water heating) to require projects using this credit use refrigerants with low global warming potential.	Allows only the use of refrigerants with low global warming potential in alliance with County SCAP goals.
103	16.07.xxx New Section	n/a	Proposes to not adopt WSEC C406.2.10.	Struck because it is now required in the base code based on our amendments to C404.7.1.2.
104	16.07.xxx New Section	n/a	Proposes to not adopt WSEC C406.2.14.	Struck because it is now required in the base code based on our amendments to C405.14
105	16.07.xxx New Section	n/a	Proposes to modify WSEC C407.2. Proposes to allow and provide compliance measures for the "total building performance method."	This edit would let the electrical permit come through after permit issuance but before the start of construction. This provides more time for the applicant to obtain the permit while providing enough time for permit completion prior to the initiation of building construction.
106	16.07.490	Provides a table of building performance factors for energy conservation	Proposes to modify the performance factors.	This sets values 10% below the 2021 state code, in recognition of the County's more stringent prescriptive code.
107	16.07.xxx New Section	n/a	Proposes to modify WSEC Table C407.3(3) that provides site energy performance target to be used for compliance with Section C407.3.	This proposed amendment sets value 10% below the 2021 state code, in recognition of the County's more stringent prescriptive code.
108	16.07.xxx New Section	n/a	Proposes to modify WSEC C407.3.1. which limits on substandard envelopes to not more than 10% higher than Allowed Total UA (versus 20% higher as allowed by state code).	Reduces the calculated UA of a proposed building to not more than 10% of allowed UA, rather than 20% as allowed by the State code. Aligns the requirements with the high-performance fenestration requirements added to Table C402.4.
109	16.07.xxx New Section	n/a	Proposes to modify WSEC C407.3.4. Proposes a table of approved unregulated load types. States what is proposed for inclusion in a request for such load types.	Clarifies the predicted energy and carbon emission reductions for certain unregulated load types to be used in modeling.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			Proposes that unregulated load savings must follow this section rather than ASHRAE Appendix G Table G.31 – No. 12 Receptacle and Other Load Baseline Building Performance Exception.	
110	16.07.xxx New Section	n/a	Proposes to modify WSEC C408.1.1. Proposes criteria for the commissioning process on electrical and mechanical permits.	Clarifies where commissioning provisions of different systems are required to be documented within permit plan sets, and at what point in the plan review and inspection process those are to be provided to the County.
111	16.07.xxx New Section	n/a	Proposes to modify WSEC C408.1.2. Proposes to state that a commissioning plan shall be submitted to the department prior to the first mechanical inspection.	This amendment allows the commissioning plan to be submitted after permit issuance, but before first mechanical inspection. Requiring this timing supports earlier developer engagement in this process and could improve third party outcomes.
112	16.07.XXX New Section	n/a	Proposes to modify WSEC C408.1.3. Proposes to state that a commissioning report shall be submitted to the department prior to the final inspection.	This amendment allows the commissioning report to be submitted after permit issuance, but before final inspection. Requiring this timing supports typical construction scheduling and commissioning process timing.
113	16.07.xxx New Section	n/a	Proposes to modify WSEC C408.1.4.1. Proposes to state which portions of a commissioning plan shall be submitted to the department prior to completion and approval of the mechanical permit and building permit final inspection. Also, proposes requirements for post-occupancy commissioning completion.	Clarifies when final commissioning documents must be submitted and outlines a process for commissioning completion post-occupancy. This is often an issue when buildings want to be granted occupancy by the County, but certain commissioning aspects are not able to be completed for various factors. This allows developers and contractors more flexibility, while ensuring code requirements are enforceable.
114	16.07.xxx New Section	n/a	Proposes to add WSEC C408.4.2 requiring commissioning of high-end trim, where installed. This comes from the 2024 IECC code change at the national level.	High-end trim is a system that allows lighting to be initially set as about 90% output, and then gradually ramp up over several years to accommodate gradual degradation of the system. This instead of starting off with more lighting than necessary.
115	16.07.xxx New Section	n/a	Proposes to modify WSEC C409.1 to require commissioning of buildings greater than 20,000 square feet (versus 25,000 square feet).	Modifies the threshold for commissioning to 20,000 square feet to 25,000 square feet. Also clarifies that group R-2 occupancies, the area within dwelling units may be excluded from that calculation. More commissioning of buildings will ensure systems are installed and functioning as intended to provide the energy savings as designed.
116	16.07.xxx New Section	n/a	Proposed adding an Exception to WSEC C409.2.1 to set guidelines for metering of site lighting and other exterior non-building electrical loads.	The exception allows electrical design and installation more flexibility by explicitly allowing these loads, when served by an electrical service and meter separate from the building, to be metered independently, or be combined with the metering of the rest of the building electrical data.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
117	16.07.xxx New Section	n/a	Proposes to modify WSEC C409.2.4 to require metering of waste heat reclaimed from sewers or other off-site sources.	Adds a requirement to meter waste heat reclaimed from sewers. Promotes waste heat recovery and building owner awareness to ensure system functionality as designed.
118	16.07.xxx New Section	n/a	Proposes to supplement WSEC C409.3.1 to require ventilation fan energy and other HVAC energy use within enclosed parking garages larger than 3,000 square feet be submetered separately.	The proposed amendment helps to delineate a system that is a potentially large component of garage energy use (a separate system with separate schedules compared to other garage systems). Submetering allows building managers to see what's happening with each individual system, which is useful if/when one of the systems begins to fail and causes spikes in energy use.
119	16.07.xxx New Section	n/a	Proposes to supplement WSEC C409.3.3 to require lighting energy use in parking garages larger than 3,000 square feet to be submetered separately.	The proposed amendment helps to delineate a system that is a potentially large component of garage energy use (a separate system with separate schedules compared to other garage systems). Submetering allows building managers to see what's happening with each individual system, which is useful if/when one of the systems begins to fail and causes spikes in energy use.
120	16.07.xxx New Section	n/a	Adds an Exception to WSEC C409.3.5 which permits exclusion of electric receptacles located in fire-rated or smoke-rated corridors, enclosed stairwells, or egress passageways from required metering.	Adds an exception to omit metering of receptacles in fire rated corridors to avoid conflicts with fire-resistance rated construction.
121	16.07.xxx New Section	n/a	Proposed adding an Exception to WSEC C409.4.1 to set guidelines for metering of site lighting and other exterior non-building electrical loads.	The exception allows electrical design and installation more flexibility by explicitly allowing these loads, when served by an electrical service and meter separate from the building, to be metered independently, or be combined with the metering of the rest of the building electrical data.
122	16.07.xxx New Section	n/a	Proposes to modify WSEC C410.1. Proposes to regulate walk-in coolers, walk-in freezers, refrigerated warehouse coolers, refrigerated warehouse freezers, and refrigerated display cases.	Clarifies that refrigerated warehouses must comply with either the building thermal envelope requirements of C402 or C410, whichever is more restrictive.
123	16.07.xxx New Section	n/a	Proposes to modify WSEC C410.3. Clarifies that refrigerated warehouses must comply with either the building thermal envelope requirements of C402 or C410, whichever is more restrictive. Requires evaporator fans in refrigerated warehouses to be variable speed.	Provide clarification for application of code to refrigerated warehouses.
124	16.07.xxx New Section	n/a	Proposes to modify WSEC C410.5.2. Clarifies the minimum efficiency	Provide clarification for application of code to refrigerated warehouses.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			requirements for compressor systems in refrigerated warehouses.	
125	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.1 to reduce building size threshold from 10,000 square feet to 5,000 square feet for purposes of C411 scoping. Further, requires energy generation of 0.75 watts per square foot (versus 0.5 watts per square foot) for scoped buildings. Modifies exceptions to address inadequate building roof sizes and affordable houses projects.	More buildings will be required to be provided with on-site energy, and the size of the required on-site renewable energy will supply, on average, 15 percent of building energy use.
126	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.1.1. Clarifies quantity of additional credits from WSEC Table C406.2 a project must achieve when qualifying for an exception to omit installation of on-site renewable energy generation systems.	The current code is increasing the amount of renewable energy required on-site, necessitating a corresponding increase in the number of credits required when solar is not pursued. This ensures actual solar capacity is being added, not just that RECS are being purchased for existing systems, a practice which could be discontinued following building permit completion.
127	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.2. Proposes regulations for qualifying on-site and off-site renewable energy delivered or credited to the building project to comply with this code. Proposes to modify WSEC C411.2.1. Proposes to list off-site renewable energy systems considered to be qualifying.	Proposed edits provide additional time to secure this option. It also notes that renewable energy certificates (RECs) for a specific off-site project can be submitted, whereas RECs purchased on the open market would not qualify. Clarifies when power purchasing agreements are used, and that such contracts must comply primarily with 411.2.2.
128	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.2.2. Proposes the requirements that qualifying off-site renewable energy shall meet.	Clarifies that renewable power systems installed to comply with other code requirements also have to comply with these documentation requirements and clarifies the timing of submitting the documentation.
129	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.3.1 to clarify that mechanical equipment clearances must be required by code or the manufacturer to be considered excluded when calculating roof area for required solar readiness.	Provides necessary clarification for the calculation for code enforceability.
130	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.3.3. Proposes to describe what appurtenances may be excluded from and located within the solar zone.	Clarifies that if racking for future solar is installed at time of construction, it must meet height limits of K.C.C. zoning code.
131	16.07.xxx New Section	n/a	Proposes to modify WSEC C411.3.7. Proposes criteria for roof penetration conduit for photo voltaic systems. Proposes to state where interconnections of future photovoltaic systems may be	Adds specific requirements install a roof penetration conduit at time of construction needed for design and installation.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			provided in regard to the service panel, and the form the interconnection must be.	
132	16.07.xxx New Section	n/a	Proposes to add an Exception to WSEC C502.3, exempting additions less than 500 square feet from providing air leakage testing.	Allowing small projects to omit this from the project scope would save time and money for contractors.
133	16.07.xxx New Section	n/a	Proposes to modify WSEC C503.3. Proposes to state that new building envelope assemblies that are part of an alteration shall comply with WSEC 402.1 through C402.5 and C503.3.1 through C503.3.3. Proposes to require altered or replaced opaque envelope assemblies to not have a higher overall U-value than the existing. Proposes an exception.	Clarifies alteration to the building envelope must be at least as thermally efficient as existing materials.
134	16.07.xxx New Section	n/a	Proposes to modify WSEC C503.3.2. Proposes criteria for alterations that include the addition of new vertical fenestration.	States that the calculation for adding windows may be based on only the addition or the existing building plus the addition. The proposed revision provides clarification in the application of the code.
135	16.07.xxx New Section	n/a	Proposes to modify WSEC C503.3.2.1. Proposes criteria for existing fenestration units that are replaced with new fenestration products. Proposes an exception.	Clarifies that replacement windows must be at least as thermally efficient as the existing windows; just clarification in the application of the code.
136	16.07.xxx New Section	n/a	Proposes to modify WSEC C503.4.2, C503.4.3, and C503.4.6. Proposes to state that when a mechanical cooling system is added to a space not previously cooled, the mechanical system shall comply with either WSEC 403.3.5 or C403.5. Proposes exceptions.	Reorganizes section and makes several significant changes to the rules from moving from gas to heat pump heating: Exception 1 categorically exempts: affordable housing, I occupancies (hospital, correctional, etc.), buildings housing nonprofits, and buildings smaller than 20,000; however, those buildings do have to provide a "future decarbonization plan" per C503.4.6.1 below. Exception 2 permits buildings to retain half of their existing fossil fuel capacity, controlled to operate only during cold weather or other high-load situations. Exception 3 allows like-for-like temporary emergency replacement of one (or more) boilers beyond the 50% allowed by Exception 8. These projects also have to provide a "future decarbonization plan" per C503.4.6.1, and they have to ensure timely replacement of the temporary equipment with heat pumps via either a TCO or performance bond. Exception 4 of the new code is retained and modified, exempting buildings that would require a disproportionately expensive electric service upgrade.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				Exception 5 exempts several types of equipment, most from the original exceptions now stricken.
137	16.07.xxx New Section	n/a	Proposes to modify WSEC C503.5. Proposes regulations for new service water heating systems. Proposes exceptions.	Adds multiple exceptions from full compliance with C404 (heat pump water installation) for replacement of water heating equipment when it would require a utility service upgrade, and in certain building types such as affordable housing, and in emergency equipment replacement situations.
138	16.07.xxx New Section	n/a	<p>Proposes to modify WSEC C505.2. Proposes to state that for the purposes of this section, space conditioning area categories include low energy space, semi-heated space, and conditioned space. Proposes the cases in which space undergoing a change in space conditioning shall be brought up to full compliance. Proposes exceptions.</p> <p>This proposed amendment generally requires that when a room or space that already has heating (in a building subject to this code) proposes to add cooling, that project or space must either:</p> <ul style="list-style-type: none"> • Be brought up to code, OR • The HVAC heating system for that area is replaced with an electric heat pump (which in turn also provides cooling) 	This proposed update would help address requirements for existing gas heating systems. The proposed amendments also help clarify existing code.
139	16.07.xxx New Section	n/a	Proposes to supplement WSEC C506, requiring metering where HVAC equipment is added or replaced.	Would require electric and natural gas metering at the time of HVAC equipment replacement for building owner awareness and to ensure systems are functioning as designed.
141	16.07.xxx New Section	n/a	Proposes to supplement WSEC C506, requiring metering where service water heating equipment is added or replaced. C506.3	Would require electric and natural gas metering at the time of water heating equipment replacement for building owner awareness and to ensure systems are functioning as designed.
141	16.07.xxx New Section	n/a	Proposes to supplement WSEC C506, requiring metering when a tenant improvement is permitted where a single tenant will occupy a full floor or multiple floors of a building. C506.4	Would require electrical submetering at time of building permit when a tenant will occupy a full floor of a building for tenant and building owner awareness and to ensure systems are functioning as designed.
142	16.07.xxx New Section	n/a	Proposes to supplement WSEC C506, requiring all metering provisions of C409 to be met when all or substantially all of an existing electrical system is replaced	Would require all the metering provisions of Section C409 to be met when a building's electrical system is substantially replaced and building owner awareness and to ensure systems are functioning as designed.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			under a single electrical permit or within a twelve-month period.	
143	16.08.050	Sets out maintenance requirements for address numbers	Proposes to add language from IFC 2021 and added metric units.	Consistency with the IFC.
144	16.14.090	States that the right of entry is in accordance with procedures in K.C.C. Title 23	Proposes to update the IPMC reference section.	Consistency with the IPMC.
145	16.14.100	States it is unlawful to build, repair, etc. in violation of the code	Proposes to update the IPMC reference section.	Consistency with the IPMC.
146	16.14.110	Requires public nuisances to abated in accordance with K.C.C. Title 23	Proposes to update the IPMC reference section.	Consistency with the IPMC.
147	16.14.200	Authorizes the code official to condemn a structure	Proposes to update the IPMC reference section.	Consistency with the IPMC.
148	16.14.210	Requires notice of unsafe structures pursuant to K.C.C. Title 23	Proposes to update the IPMC reference section, and minor verbiage revision.	Consistency with the IPMC.
149	16.14.220	Provides regulations associated with a placard to vacate	Proposes to update the IPMC reference section.	Consistency with the IPMC.
150	16.14.280	Authorizes the code official to perform emergency repairs	Proposes to update the IPMC reference section.	Consistency with the IPMC.
151	16.14.290	Does not adopt Sections 109.5 and 109.6 of the IPMC	Proposes to update the IPMC reference section.	Consistency with the IPMC.
152	16.14.430	State that appeals must be in accordance with K.C.C. Titles 20 and 23	Proposes to update the IPMC reference section.	Consistency with the IPMC.
153	16.14.450	Requires building owners to be responsible for safe sanitation and structural conditions.	Proposes to add language that grants authority to the Hearing Examiner to determine liability for violations. Proposes to change the term "health ordinance" to "King County Board of Health Code".	The proposed new language would grant the Hearing Examiner authority to avoid doing substantial injustice to a non-culpable property owner and bring this code into alignment with K.C.C. 23.36.030.B. "Health ordinance" means the same thing as "King County Board of Health Code" (KCBOH code). Stating "KCBOH code" would more clearly incorporate KCBOH and directives into the KC code.
154	16.14.460	Authorizes the jurisdiction to prosecute if an owner fails to abate a premises to avoid fire or explosion.	Proposes more specific language for how a premises should be maintained and allows the jurisdiction to cut and destroy weeds.	The proposed change would clarify existing intent by specifying the height of weeds and grass of when they become enforceable.
155	16.14.490	Requires addresses to be provided and visible from the road.	Proposes a slight rewording.	Proposed rewording for clarity.
156	16.14.540	Requires dwelling units and guest rooms to have a heat supply.	Proposes a slight rewording.	Proposed rewording for clarity.
157	16.14.550	Does not adopt Section 602.4 of the IPMC.	Proposes substitution language for IPMC 602.4 and requires indoor occupiable workspaces to have heating. Provides exceptions.	Consistency with the IPMC

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
158	16.32.030	Adopts specific editions of various codes as part of the Uniform Plumbing Code.	Proposes to adopt the 2021 edition of the codes, which is the current edition for this update.	This proposed revision specifies which edition of the codes are being adopted and will be in effect.
159	16.32.050	Grants authority to enforce the plumbing code.	Proposes rewording.	Proposed to be reworded for clarity while maintaining the original intent.
160	16.32.195	Designates the "authority having jurisdiction".	Proposes to update the applicable adopted code section.	Proposes to correct the reference to the UPC, because the sections of the newest edition of the UPC have been renumbered.
161	16.32.215	Authorizes use of a stop work order and provides procedures	Proposes to revise numbering.	Proposed revision to improve code usability.
162	16.32.235	Clarifies that the code does not create or form the basis of liability of the county	Proposes to add some commas.	Proposed revisions for ease of reading, maintain consistency with King County drafting standards.
163	16.32.xxx New Section	n/a	Proposes to grant authority to the jurisdiction, and provides criteria for, issuance of plumbing permits.	This new section proposes to provide clarity of the authority granted to the jurisdiction and to provide clear criteria for the issuance of plumbing permits, including all applicable fees being paid and construction documents having been reviewed and approved when necessary.
164	16.32.xxx New Section	n/a	Proposes criteria for determination of complete plumbing permit applications. Provides exceptions.	This new section provides additional criteria for plumbing permit applications.
165	16.32.285	Provides a basis for the validity of plumbing permits	Proposes to revise numbering.	Proposed revisions for consistency with chapter.
166	16.32.295	Provides criteria for the suspension or revocation of plumbing permits	Proposes to revise numbering.	Proposed revisions for consistency with chapter.
167	16.32.306	Provides regulations for reinspection of plumbing projects.	Proposes to allow a reinspection fee to be assessed when an inspection is called but an inspection cannot take place for various reasons and restricts a reinspection fee from being applied after the first inspection that is rejected or does not comply with code.	Proposes a revision to include a comprehensive list of conditions that would prevent an inspector from being able to complete a field inspection, and therefore conduct and charge for a reinspection, improving efficient use of resources. Language is also proposed to revise to set limits on a reinspection fee may be required.
168	16.32.xxx New Section	n/a	Proposes to modify UPC 308. Proposes to not allow plumbing or piping to be installed exterior to a building, unless required or approved. Proposes exceptions.	This proposed provision results from a request from field inspectors to have an enforcement mechanism to prohibit unnecessary exterior plumbing installations.
169	16.32.xxx New Section	n/a	Proposes to modify UPC 418.3. Proposes to list the areas where floor drains need to be installed.	This proposed new section address "toilet rooms" which are a new trend of gender neutral or "family" style framed rooms containing toilets. This new section also proposes to close a code loophole that allowed multiple toilet rooms without any sort of floor drainage.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
170	16.32.xxx New Section	n/a	Proposes to supplement UPC 418.5. Proposes to state that floor shall be sloped to floor drains and provides exceptions.	Resolves previous ambiguity regarding how to comply with standards for existing buildings with post tensioned concrete (PT) slabs.
171	16.32.338	Provides regulations for potable water heating devices that use refrigerant-to-water heat exchangers.	Proposes to remove the UPC section reference number.	Proposes to remove the reference to the UPC, because the section is not located within the UPC.
172	16.32.340	Requires plumbing fixtures to be drained to the sanitary waste system by gravity flow and provides an exception to this requirement.	Proposes to update the section number and proposes to consolidate the exception into the main part of the regulation as a permitted action.	Language in this section is proposed to be brought into alignment with text in Seattle Plumbing Code which removes the ambiguous term “practicable” and defaults to approval of the authority having jurisdiction for systems draining by means other than gravity. Aligning KCC and SPC code language will ensure enforcement and compliance is consistent across jurisdictions, as both jurisdictions are served by public health- Seattle and King County.
173	16.32.341	Provides regulatory authority for plan review fees.	Proposes to add language specifying when permit approval may be rescinded or when permit issuance may be denied. Proposing to add an exception to these regulations.	Text is proposed to be added to reflect standard operating procedures.
174	16.32.342	Provides air admittance valve regulations.	Proposes to update the section number, and to add new language to mimic the 2018 and 2021 Seattle Plumbing Code Section 913.	The code section number is not found in the Uniform Plumbing Code (UPC). This update is proposed to adopt language from the Seattle Plumbing Code (SPC) Section 913.0. The SPC language mimics standard model code language and format where the current KCC 16.32.342 language does not. Aligning KCC and SPC code language will ensure enforcement and compliance is consistent across jurisdictions, as both jurisdictions are served by public health- Seattle and King County.
175	16.32.343	Provides grease interceptor regulations	The proposed amendment deletes the regulations about grease interceptors but maintains the existing exception.	Removes duplicate code language.
176	16.32.xxx New Section2	n/a	Proposes to modify UPC 608.1. Proposes to require water pressure to be at least 15 pounds per square inch.	AASE devices are tested at a pressure higher than 15 psi. There is no guarantee of performance outside of the tested pressure range.
177	16.32.xxx New Section	n/a	Proposes to modify UPC 609.12. Proposes to require water piping within commercial buildings to be insulated in accordance with the WSEC.	The model Plumbing Code conflicts with State Energy Code in this section of pipe insulation. The State Plumbing Code (UPC as amended by WA) amends section 609.12 to comply with WA State Energy Code, but King County is proposing to amend sections of the State Energy Code, therefore we need to override that State version of 609.12 to require compliance with the Energy Code as adopted and amended by King County.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
178	16.32.xxx New Section	n/a	Proposes to replace Table 610.3 of the UPC. Proposes to provide the fixture branch pipe size for each type of appliance, appurtenance, or fixture.	3/8' tubing is becoming popular due to Energy Code requirements. With 1.2 gallons per minute lavatories being required by state law for private use, the flow rate from a single lavatory will not exceed the velocity limit of 3/8" PEX tubing. Rather than making people submit an Alternate Means and Methods Request Form (AMMRF) to use 3/8" water supply branches for lavatories, it makes sense to propose allowing 3/8/ tubing in the code.
179	16.32.xxx New Section	n/a	Proposes to replace Table 702.2(2) of the UPC. Proposes to provide equivalency of gallons per minute flow to number of fixture units.	Table 702.2(2) is used for things like fire/sprinkler blowdown, reduced pressure backflow assembly relief, and other intermittent uses exceeding 50 gallons per minute, but nobody knows what drainage fixture unit value to assign without first asking the Authority Having Jurisdiction. The proposed revision would extend the table to cover most uses.
180	16.32.xxx New Section	n/a	Proposes to modify UPC 704.3. Proposes to require plumbing fixtures, drains, 3-compartment sinks, etc. to be connected to the drainage system, except where required to be connected indirectly.	There has been confusion about how to connect a 3-compartment sink. The proposed amendment provides clarification.
181	16.32.xxx New Section	n/a	Proposes to modify UPC 710.4. Proposes to provide criteria for discharge lines for ejector pump or other mechanical device. Proposes an exception.	No official guidance has been provided in code since hoistway pumps or drains became an ASME A17.1 requirement. This proposed amendment should add some clarity and open a door to removing check valves if the county wants to do that in the future.
182	16.32.xxx New Section	n/a	Proposes to modify UPC 710.5. Proposes to require building drains and sewers receiving discharge from a pump ejector to be adequately sized. Proposes an exception.	We have been allowing firms to submit an AMMRF to use Table 702.2(2) for pump discharge from elevator hoistway and similar pumps for emergency operation. Only certain engineering firms are aware of this allowance. This proposed amendment helps spread the knowledge.
183	16.32.xxx New Section	n/a	Proposes to modify UPC 803.3. Proposes regulations indirect waste piping, along with an exception.	Hoistway drainage is required to be indirect, but from hoistway to indirect receptor may exceed 15-feet. This indirect drainage pipe will likely never be used, and if it is, it will dry out within hours of the emergency situation being resolved. A standard trap in the indirect waste line (required for indirect waste exceeding 15') could be siphoned through elevator car movement in the hoistway and the trap would act as a settlement area for any debris at the bottom of the hoistway as there is no regular scouring of the trap.
184	16.32.344	Prohibits food waste disposers and dishwasher from being connected to or discharging into a grease interceptor.	Proposes to eliminate this code section except for the exception.	All but the exception to UPC 1014.1.3 are contained with the UPC model code, so that duplicate language no longer needs to be in the County's code.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
185	16.32.345	Regulates parking garage drainage systems.	Proposes to delete the old UPC language and provides SPC language.	The UPC does not address parking garage drainage systems, therefore, this entire section is proposed to be revised to mirror the 2021 SPC to capture parking garages in unincorporated King County.
186	16.32.xxx New Section	n/a	Proposes to modify Section 1101.12.2.2.2 of the UPC. Proposes to describe how to connect secondary roof drains to the storm drainage system.	The intent of this proposed amendment is to create a relief path in case of main storm drain blockage so roof drainage cannot back up onto a roof.
187	16.82.130	Provides procedures for abatement of a clearing and grading violation.	Proposes new language for clarity and expands authority of the director to provide flexibility for abatement.	Proposed changes result in text changes that strengthen the county's ability to enforce clearing and grading violations, while at the same time providing flexibility that can help the applicant achieve compliance.
188	17.04.010	Adopts the IFC along with amendments, additions, deletions, and modifications as referenced or adopted in Title 17	Proposes to add Appendix D (Fire Apparatus Access and Roads), and updated dates.	For consistency with the International Fire Code (IFC).
189	17.04.200	Provides authorities and responsibilities of the fire marshal	Proposes a minor text revision.	For internal consistency within K.C.C.
190	17.04.210	Provides enforcement authorities and responsibilities of the fire marshal	Proposes minor text revisions.	Proposed revision to correct spelling.
191	17.04.220	Describes the fire marshal's authority.	Proposes a minor text revision.	For internal consistency within K.C.C.
192	17.04.280	Requires applicants to provide notice of permit applications to fire districts, and describes responsibilities of fire districts	Proposes to update an IFC reference number and minor text revisions.	For ease of reference with the IFC and consistency with K.C.C.
193	17.04.xxx New Section	n/a	Proposes to modify IFC 105.3.1. Proposes an expiration and renewal criteria for operational permits.	Provides clarity for applicants and staff.
194	17.04.290	Requires fees to be doubled when a fire protection system is started before obtaining approval	Proposes minor text revisions.	Proposed revision for consistency and clarity.
195	17.04.xxx New Section	n/a	Proposes to modify IFC 105.5.38. Proposes to require an operational permit for an outdoor assembly event that exceeds 50 persons.	Proposed amendment to clearly define when an outdoor assembly permit is required.
196	17.04.295	Requires a permit for the installation of solar photovoltaic systems, and provides an exception	Proposes to update the IFC reference section, clarifies that a permit is not required for maintenance, and adds metric measurements.	For consistency with the K.C.C., IFC, and clarity.
197	17.04.xxx New Section	n/a	Proposes to modify IFC 105.6.21. Proposes criteria for a special event structure.	Proposed amendment to provide clarity for applications for a special event structure.
198	17.04.310	Does not adopt Section 109 of the IFC	Proposes to update the IFC section number.	Consistency with the IFC.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
199	17.04.320	Grants the fire marshal authority to issue a stop work order and require corrections of violations	Proposes to update IFC section numbers and deletes some language about stop work orders.	Consistency with the IFC and proposes to move the deleted language to the new section below.
200	17.04.xxx New Section	n/a	Proposes to modify IFC 113.2. Proposes the language that was moved from K.C.C. 17.04.320.	Proposes to maintain language about stop work orders that was deleted from K.C.C. 17.04.320, which separates "authority" from "issuance".
201	17.04.330	Does not adopt Section 112.4 of the IFC	Proposes to add language stating that enforcement violations of a stop work order shall be in accordance with K.C.C. Title 23.	Proposes to refer to Title 23 concerning violations of a stop work order.
202	17.04.341	Provides definitions for the Fire Code	Proposes to eliminate a definition for "Critical fire service areas" and proposes to revise the definition "Fire detection system" to "Automatic fire detection system", and proposes to add metric measurements and minor revisions.	The 2021 IFC covers the types of rooms known as "critical fire service areas" with the definitions, so this definition is no longer needed. The definition for automatic fire detection system " and other changes are proposed for consistency with K.C.C.
203	17.04.xxx New Section	n/a	Proposes to modify Section 322.4 of the IFC. Proposes to require signage for lithium-ion and lithium metal battery installations.	Builds on WA state amendments to the IFC addressing lithium-ion and lithium metal batteries; signage required for anything subject to IFC 322.2 (requiring permits. i.e. occupying more than 15 cubic feet). Derived from New York City Fire Department Rule 30, item 6.
204	17.04.375	Requires fire apparatus roads to be installed and arranged in accordance with IFC 503.2.1 and 503.2.2	Proposes to update an IFC reference.	For consistency with the IFC.
205	17.04.377	Provides the minimum dimensions of a fire apparatus access road	Proposes to add metric measurements.	For internal consistency within K.C.C.
206	17.04.380	Provides the surfacing standards of a fire apparatus access road	Proposes to add metric measurements.	For internal consistency within K.C.C.
207	17.04.390	Provides the turning radius standards of a fire apparatus access road	Proposes to add metric measurements and makes one spelling revision.	For internal consistency within K.C.C.
208	17.04.400	Requires a cul-de-sac or hammerhead-like turnaround for certain dead-end roads.	Proposes to add metric measurements and makes one spelling revision.	For internal consistency within K.C.C.
209	17.04.420	Provides criteria for marking, establishment, and obstruction of fire lanes	Proposes to revise the definition of fire lanes. Proposes to add metric measurements.	Proposed updates for consistency with the IFC and K.C.C. Inserted sentences are quoted directly from IFC 2021.
210	17.04.425	Provides criteria for security gates, bollards, and other obstructions across a fire access road	Proposes a minor text revision, writing out numbers, and adding metric measurements.	For consistency with the IFC and K.C.C.
211	17.04.445	Requires stairways that extend to the top floor in any building 4 stories or more shall have an approved hatch that opens to the exterior.	Proposes to spell out numbers and adds metric measurements.	For consistency with the IFC and K.C.C.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
212	17.04.447	Requires new buildings with enclosed interior courtyards to have direct access to the exterior.	Proposes to spell outnumbers and adds metric measurements.	For consistency with the IFC and K.C.C.
213	17.04.462	Requires and radio coverage systems for new buildings meeting listed conditions, and provides exceptions	Proposes wording revisions to bring the section into conformance with the IFC, and proposes to spell out numbers, and add metric measurements.	For consistency with the IFC.
214	17.04.467	Describes the minimum signal strength for emergency responder Rdio coverage outside of a building	Proposes to revise the outbound signal level and spells out a number.	For consistency with the IFC and K.C.C.
215	17.04.476	Prohibits rebroadcasting of amplification systems capable of operating on frequencies licensed to any public safety agency without approval of the fire marshal and public safety radio system operator	Proposes to revise the IFC section number.	For consistency with the IFC.
216	17.04.489	Provides the scope of chapter 17.04, and lists additional requirements	Proposes minor text revisions.	For consistency with the K.C.C.
217	17.04.520	Requires an automatic fire-extinguishing system in new construction and those undergoing substantial improvement. An exception is provided	Proposes minor text revisions, and to add a reference to another K.C.C. chapter, spell out numbers, and add metric measurements.	For consistency with the K.C.C.
218	17.04.560	Provides conditions for when sprinkler systems shall be installed in habitable space for structures built under the IRC	Proposes to spell out numbers, add metric measurements, and delete exceptions.	For consistency with the K.C.C. No WACs provide for such exceptions. These exceptions were created "in house" over 40 years ago and should no longer be in place as lifting them will promote additional homes being sprinklered, promoting improved safety for residents.
219	17.04.563	Requires automatic sprinklers in buildings exceeding 10,000 square feet.	Proposes to add metric measurements.	For consistency with the K.C.C.
220	17.04.572	Provides fire sprinkler design requirements.	Proposes to spell out a number.	For consistency with the King County code drafting standards.
221	17.04.574	Requires supervised indicating control valves on each floor and provides an exception.	Proposes to add metric measurements.	For consistency with the K.C.C.
222	17.04.582	Provides the criteria for when Class I standpipe shall be installed and provides exceptions.	Proposed to add metric measurements.	For consistency with the K.C.C.
223	17.04.590	Does not allow fire apparatus connections on a building without the fire marshals approval and must be located within 50 feet of a hydrant.	Proposes to spell out a number and adds a metric measurement.	For consistency with the K.C.C.
224	17.08.030	Lists which permits and approvals are exempt from the fire flow and fire hydrant requirements of the chapter	Proposes to remove some types of permits and approvals from the list	The proposed strikeouts/removals in this section align with the strikeouts in section 17.04.560. Exemption C is proposed to be removed because it is no longer

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			exempt for fire flow and fire hydrant requirements of the chapter.	needed because of the requirements that are proposed to be removed from section 17.04.560.
225	17.08.090	Grants the fire marshal the authority to approve deviations from fire code standards.	Proposes to change the spelled-out number "five hundred" to "500" for consistency with the rest of the fire code.	Technical corrections
226	17.08.100	Describes the role of water authorities in regard to the fire code.	Proposes to remove a semicolon at the end of a paragraph and replaces it with a period for grammatical accuracy.	Technical corrections
227	17.08.140	Does not allow more than 60 feet of piping that connects a customer's plumbing service to a purveyor's water main or meter in a public right-of-way unless in compliance with K.C.C. chapter 14.28.	Proposes to add a metric measurement.	For consistency with the K.C.C.
228	17.08.xxx New Section	n/a	This section introduces a series of new code sections, including sections 229 through 234.	
229	17.09.xxx New Section	n/a	Proposes to adopt IFC Appendix D.	For consistency with the IFC.
230	17.09.xxx New Section	n/a	Proposes to modify IFC D103.2. Does not allow the gradient of fire apparatus access roads to exceed 15%.	Ensures access of emergency response equipment to property and structures.
231	17.09.xxx New Section	n/a	Proposes to modify IFC 103.3. Provides criteria for the dimensions of fire apparatus roads.	Ensures access and maneuverability of emergency response equipment to property and structures.
232	17.09.xxx New Section	n/a	Proposed to modify IFC D103.4. Requires a cul-de-sac or a hammerhead-like turn around for dead end roads exceeding a specified length.	Ensures access and maneuverability of emergency response equipment to property and structures.
233	17.09.xxx New Section	n/a	Proposes to modify IFC D103.5. Proposes to require approval for and provides criteria for gate, bollard, and other obstructions; these must be maintained and have an emergency means of operation. Proposes to prohibit the installation of tire spikes. Proposes an exception.	Ensures access of emergency response equipment to property and structures.
234	17.09.xxx New Section	n/a	Proposes to modify IFC D103.6. Proposes sign specifications for fire apparatus access roads.	Ensures adequate area for access of emergency response vehicles.
235	17.11.040	Provides fireworks regulations.	Proposes to revise numbering and minor text revisions.	Ensures clarity for staff and applicants and consistency with the K.C.C.
236	17.11.060	Provides the enforcement provisions specific to the Fireworks Code	Proposes to remove a paragraph that stated that enforcement of the Fireworks Code would not occur until one year after	The paragraph that is proposed for deletion is no longer needed as the one-year warning regarding enforcement has passed.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
			the ordinance adopting the code took effect.	
237	n/a	n/a	Lists the code sections proposed for repeal.	Multiple sections in the K.C.C. are outdated or no longer unwarranted based on current and past state and ICC code changes and K.C.C. amendments. Each repeal is discussed further in the subsections below.
237.A	16.02.160	Establishes that when differences occur between provisions of the county's adopted code and the referenced code and standards, the county's provisions of the code shall apply.	Repealed	No longer needed as it is provided in the model code.
237.B	16.02.170	States which codes shall apply for the permitting of moved buildings.	Repealed	This section is not necessary as it is covered by IEBC 1401.2
237.C	16.02.230	States that Sections 105.1.1 and 105.1.2 of the IBC are not adopted.	Repealed	This code section removes authorization for King County to issue annual permits (for institutional uses with licensed contractors). There is no reason to take this option away. In addition, the language references scopes that permitting does not cover. Those scopes, gas and plumbing, are regulated by public health in a different code section.
237.D	16.02.310	States who applicant's plans that need corrections may be returned to.	Repealed	Outdated reference to paper plans. Now that permit applications are submitted and reviewed digitally, this is no longer applicable.
237.E	16.02.316	Describes how live loads postings must occur.	Repealed	This is duplicative with the IBC.
237.F	16.02.370	Provides responsibilities of the design professional in charge.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.G	16.02.410	Requires an inspection record card at construction sites.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.H	16.02.470	Allows either a certificate of occupancy or a certificate of shell completion to be issued.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.I	16.02.480	Provides required contents of a certificate of occupancy.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.J	16.02.490	Provides required contents of a certificate of shell completion.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.K	16.02.500	Allows either a temporary certificate of occupancy or a temporary certificate of shell completion to be issued.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.L	16.02.510	Provides the conditions under which a temporary certificate of occupancy may be issued.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
237.M	16.02.520	Provides the conditions under which a temporary certificate of shell completion may be issued.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.N	16.02.530	Grants authority to revoke a certificate of occupancy.	Repealed	K.C.C. 16.02.370 through 16.02.530 are duplicative/irrelevant with the IBC.
237.O	16.02.550	States where a certificate of occupancy must be posted.	Repealed	Current section says Section 112 of the IBC is not adopted, but we do want to adopt it, so this section is proposed to be repealed. This section allows the building official to regulate utility connections, and disconnections.
237.P	16.02.600	States that the "Unsafe structures and equipment" section of the IBC is not adopted.	Repealed	The County wants to use IBC 116 rather than this code section.
237.Q	16.03.057	Definition of Boiler	Repealed	Based on the updated definition of water heater, a definition of boiler is no longer necessary.
237.R	16.04.260	Provides criteria for location of portable classrooms.	Repealed	This code section is not necessary as this regulation is covered by IFC chapter 9.
237.S	16.04.270	Provides criteria for location of portable classrooms.	Repealed	This code section is not necessary as this regulation is covered by IFC chapter 9.
237.T	16.04.290	Requires fire and life safety systems to comply with the IFC.	Repealed	This code section is not necessary as this regulation is covered by IFC chapter 9.
237.U	16.04.310	Requires sprinklers to comply with the IFC.	Repealed	This code section is not necessary as this regulation is covered by IFC chapter 9.
237.V	16.04.330	Requires sprinklers systems for buildings constructed under the IRC.	Repealed	This code section is not necessary as this regulation is covered by IFC chapter 9.
237.W	16.04.344	Requires special doors and security grilles to comply with IBC.	Repealed	References K.C.C. 16.04.346, which is proposed for deletion. This code section is no longer needed.
237.X	16.04.346	Requires access doors to storage rooms in mini-storage facilities to comply with IBC.	Repealed	By repealing this section, the code would revert to the State code requirements for egress from mini storage facilities. This action would align K.C.C. with the State.
237.Y	16.04.348	Exempts some stairways to mechanical rooms from the IBC.	Repealed	This code section is not necessary as this regulation is covered by the IBC.
237.Z	16.04.360	Provides an exception for under floor ventilation.	Repealed	This code section is not necessary as this regulation is covered by the IBC.
237.AA	16.04.475	Provides foundation wall standards.	Repealed	This was an amendment to the 2006 edition of the International Building Code (IBC). The current 2021 edition of the IBC provides foundation wall standards; this local amendment is no longer necessary.
237.BB	16.04.490	Determines the number of fixtures required in a building.	Repealed	This code section is not necessary as this regulation is covered by the IBC.
237.CC	16.04.890	Requires inspection of a building when being converted to a condominium.	Repealed	This code section is not in compliance with RCW 64.34.050 which prohibits any requirements that would not be imposed on any other form ownership. This

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				code section is no longer necessary as RCW 64.55 requires inspection of buildings that are being converted to condominiums.
237.DD	16.04.900	Requires the county to maintain a fund for repairs to buildings that are being converted to a condominium.	Repealed	This code section is not in compliance with RCW 64.34.050 which prohibits any requirements that would not be imposed on any other form ownership. This code section is no longer necessary as RCW 64.55 requires inspection of buildings that are being converted to condominiums.
237.EE	16.04.930	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.FF	16.04.940	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.GG	16.04.950	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.HH	16.04.960	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.II	16.04.970	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.JJ	16.04.980	Standards for location, review, and installation of manufactured and mobile homes, and factory built commercial structures and coaches.	Repealed	Covered in WAC under Factory Assembled Structures.
237.KK	16.05.080	Fire sprinklers shall be required per the IRC.	Repealed	Removes an unnecessary pointer in the code. All construction must comply with K.C.C. Title 17, which regulates when fire sprinklers are required in IRC buildings.
237.LL	16.07.050	Describes the application of Table C402.13 for the insulation component R-value method.	Repealed	K.C.C. 16.07.050 “Insulation Component R-value Method – applications for Table C402.1.3” added a footnote to the table for when the total area of through-wall mechanical equipment is more than 1 percent of the opaque above-grade wall area. State code Table 402.1.3 now has integrated this footnote (see state-amended footnote i). As such, this code section is no longer required.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
237.MM	16.07.070	This section addresses thermal resistance of mechanical equipment penetrations.	Repealed	This text is now integrated in the state code under 402.1.4.3
237.NN	16.07.080	Provides criteria for above-grade exterior concrete slabs.	Repealed	This item is now integrated in state code under C402.2.8.
237.OO	16.07.090	Provides criteria for vertical fenestration intersection with opaque walls.	Repealed	This item is now integrated in state code under C402.2.9.
237.PP	16.07.120	Regulates lighting controls in daylight zones under skylights.	Repealed	IECC 405.2.3.1 is no longer cited in this section, nullifying the need for citing a replacement section.
237.QQ	16.07.130	K.C.C. 16.07.130 amendments require HVAC TSPR for medical offices and dwelling units and common areas of R-2 multifamily, with an exception for buildings or medical office areas that comply with ASHRAE Standard 170.	Repealed	These amendments require HVAC TSPR for medical offices and dwelling units + common areas of R-2 multifamily, with an exception for buildings or medical office areas that comply with ASHRAE Standard 170. These amendments are now integrated in baseline state code IECC 405.2.3.1 so this K.C.C. section is no longer needed.
237.RR	16.07.150	Compared to the 2018 state codes, these amendments increased the enthalpy recovery effectiveness up to 60 percent, and limited exception 1 to spaces under 650 square feet, with a modified exception to R-1 and R-2 occupancies.	Repealed	The new 2021 state code requires an enthalpy recovery effectiveness higher than 60 percent; removes exception 1 entirely, nullifying the 650 square foot exception; and adds a similar R-2 occupancy exception. The local K.C.C. amendment is no longer necessary.
237.SS	16.07.160	Provides regulations and an exception for heat pump supplementary heat.	Repealed	Present in 2021 state code, so a local amendment is no longer needed.
237.TT	16.07.170	Compared to the 2018 state codes, these amendments required demand control ventilation at occupant loads of 15 people per 1,000 square feet (vs. 25 persons); amended an exception for makeup supply air to focus on supply air from adjacent commercial kitchens; and added an exception for dormitory sleeping areas.	Repealed	The new 2021 state code section 403.7.1 incorporates all of these provisions. The local K.C.C. amendment is no longer necessary.
237.UU	16.07.180	Compared to the 2018 state codes, these amendments required energy recovery ventilation systems to provide a change in outdoor air supply enthalpy at least 60 percent of the difference between outdoor and return air enthalpies (vs. 50 percent); added an exception for R-1 and R-2 ERVs to instead provide 60 percent sensible heat recovery; and added an exception for	Repealed	Compared to the 2018 state codes, these amendments required energy recovery ventilation (ERV) to provide a change in outdoor air supply enthalpy at least 60 percent of the difference between outdoor and return air enthalpies (vs. 50 percent); added an exception for R-1 and R-2 ERVs to instead provide 60 percent sensible heat recovery; and added an exception for occupancy type-2 hospitals, medical office buildings and lab spaces.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
		occupancy type-2 hospitals, medical office buildings, and lab spaces.		The new 2021 state code sections 403.7.6.1 and 403.7.6.2 incorporate all these provisions. The local K.C.C. amendments is no longer necessary.
237.VV	16.07.190	Compared to the 1028 state codes, this added to the code sections that applied to construction of the HVAC system elements; applicable state code sections ended C403.10.3.1; whereas this included local amendment C403.10.4, the subsequent K.C.C. local code section.	Repealed	The local addition of section 403.10.4 is proposed for repeal, nullifying the need for this K.C.C. amendment.
237.WW	16.07.200	Provides criteria for insulation of refrigerant piping.	Repealed	The text under the “insulation of refrigerant piping” is now integrated into, and expanded upon, within state code section 403.10.4. This K.C.C. local amendment is no longer needed.
237.XX	16.07.210	Lists commercial food service equipment that must comply with energy-efficiency and water-efficiency criteria.	Repealed	This provision is proposed for repeal because the same code language has been relocated. It is now found in C405.14, rather than C403.14.
237.YY	16.07.230	Provides system design criteria for heat pumps, along with an exception.	Repealed	The text under K.C.C. “system design” section is now integrated throughout the multiple state code sections including: 404.2.1.1 Primary heat pump sizing 404.2.1.2 Primary hot water storage sizing 404.2.1.3 System design 404.2.1.3.1 Mixing valve As such, this K.C.C. local amendment is no longer needed.
237.ZZ	16.07.240	Provides a list of uses for which supplemental electric resistance heating is allowed.	Repealed	The “supplemental water heating” section is now integrated in state code section 404.2.1.4, with some additional detail for ground source heat pumps, with minor reductions on when supplemental water heating is allowed. As this code has been integrated at the state level, this K.C.C. section is no longer needed.
237.AAA	16.07.250	Requires insulation for unfired storage tanks used to store service hot water.	Repealed	The text under the “storage tank insulation” section is now integrated in state code section 404.6.1. This K.C.C. local amendment is no longer needed.
237.BBB	16.07.260	Requires a thermostatic balancing valve for some heated water circulations systems.	Repealed	The text under the “Multiple riser systems – thermoplastic balancing valve” section is now integrated in state code section 404.7.1.2. This K.C.C. local amendment is no longer needed.
237.CCC	16.07.270	Provides a requirement for an electronic mixing valve for a heated water circulation system.	Repealed	The text under the “electronic thermostatic mixing valve” section is now integrated in state code section 404.7.1.3. This K.C.C. local amendment is no longer needed.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
237.DDD	16.07.280	Provides a pipe insulation standard for heated water circulation systems.	Repealed	Insulation increases are being directly integrated to be building-wide in WSEC Section & Table C404.6. This K.C.C. local amendment is no longer needed.
237.EEE	16.07.300	Provides standards for lighting controls.	Repealed	Proposed for repeal so that the state's standards for lighting controls will be used, without amendment by county standards.
237.FFF	16.07.330	States that covered parking garage lighting is not considered exterior lighting for the purposes of the calculation.	Repealed	The text of K.C.C. 16.07.330 "Exterior lighting power allowance – covered parking garages", is no incorporated into the state code (C405.5.3 #2), so a local amendment is no longer needed.
237.GGG	16.07.340	Provides criteria for electric receptacles at dwelling unit gas appliances.	Repealed	The text under the "Electric receptacles at dwelling unit gas appliances" section is now integrated in state code section 405.7.1. This K.C.C. local amendment is no longer needed.
237.HHH	16.07.350	Provides additional energy efficiency credit requirements along with exceptions.	Repealed	Rather than articulating the credits available per measure, Table C406.1 now lists the number of credits needed for different project types (new buildings, building additions, and new load management requirements). As the content of this section has changed, this section is proposed for repeal.
237.III	16.07.360	Describes how tenant space energy credits may be achieved.	Repealed	The state code lays out a different approach to achieve energy efficiency measures. It also increases efficiency requirements overall. As such, local K.C.C. amendments for the "tenant spaces" section are no longer needed.
237.JJJ	16.07.370	Compared to the "More efficient HVAC equipment and fan performance" 2018 state code, this section was expanded to building additions or building areas; eliminated and exception for low energy and semi-heated spaces; and incorporated an HVAC TPSR requirement.	Repealed	The 2021 state code now incorporates building additions or building areas in its text; has removed the exception for low energy and semi-heated spaces; and now has as separated HVAC TSPR options (406.2.2.1). As such, local K.C.C. amendments for this section are no longer needed.
237.KKK	16.07.380	Compared to "HVAC system selection" 2018 state code, this section disallowed electric resistance and fossil-fuel fired equipment.	Repealed	The current 2021 state code 406.2.2 requires all heating and cooling systems to the meet the minimum requirements of Section C403. C403.1.4 prohibits the use of electric resistance or fossil-fueled HVAC systems. As such, local K.C.C. amendments for this section are no longer needed.
237.LLL	16.07.400	Compared to the "On-site renewable energy" 2018 state code, this section required 0.25 watts on top of renewable energy required elsewhere in the code.	Repealed	The 2021 IECC equivalent section of 406.2.5 requires 0.1 watts on top of requirements elsewhere in the code, but the requirements elsewhere in the code have increased (compare K.C.C. 16.07.530 modifying 2018 IEC 412.1 (which set a 0.25W baseline requirement) to 2021 411.1, which this ordinance proposes amending from a 0.5W to a 0.75W baseline requirement. As

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				such, previous code would have required 0.5W to achieve this credit, whereas the proposed code amendments in this ordinance and the state code would require 0.85W to achieve this credit. A such, local K.C.C. amendments for this section are no longer needed.
237.MMM	16.07.410	Prohibits fossil fuel-fired HVAC from using a credit found in section C406.6 of the IECC.	Repealed	This 2018 credit “Dedicated outdoor air system” is no longer an option in the 2021 code. Proposing for repeal accordingly.
237.NNN	16.07.420	Prohibits fossil fuel-fired HVAC from using a credit found in section C406.7 of the IECC.	Repealed	This is based on the current code before the SBCC lawsuit. Currently 406.2.2 (parent section to 406.2.2.6) requires all systems to comply with Section 403, and 403.1.4. has been proposed for modification in this ordinance to disallow fossil fuel systems. Therefore, this code section is no longer needed.
237.OOO	16.07.430	Provides regulations for buildings with service hot water heating equipment. Prohibits fossil fuel-fired service hot water heating equipment from using a credit found in section C406.8.1 and C406.8.2 of the IECC.	Repealed	The credit for “reduced energy use in service water heating” was not carried forward in current state code.
237.PPP	16.07.440	Provides standards for high performance service water heaters in hotel and multifamily buildings.	Repealed	The state code approach to heat pump hot water systems has changed; previous state code (406.9) only applied to multifamily buildings, though the equivalent current code section (406.2.6.3) has expanded its application to multiple building types. The existing K.C.C. amendment limiting the amount of electric resistance heat used in these systems is now included in this new state code section. The other K.C.C. amendment, stipulating the global warming potential of the refrigerant uses, is included as a new proposed amendment to the current state section 406.2.3 in this proposed ordinance.
237.QQQ	16.07.450	Provides a standard for enhanced envelop performance.	Repealed	<p>The Performance-based compliance “mandatory requirements” 2021 state code section now meets or exceeds K.C.C. amendments.</p> <p>Compared to the 2018 state code, local amendments:</p> <ul style="list-style-type: none"> • Require schedule, plug, and process load modeling. • Replace some document requirements with a list of IECC Table C407.2 compliance. • Require references to undesignated future building components to refer to specific table subsections on design, lighting, service water heating, and receptables.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				<ul style="list-style-type: none"> Require HVAC systems to meet specific requirements and adds additional details on building lighting evaluation and Energy modeler requirements. As such, this K.C.C. amendment is no longer needed.
237.RRR	16.07.470	Sets standards for performance-based compliance.	Repealed	Compared to the “Enhanced envelope performance” code section, local amendments applied the credit option to building area and occupancy type. State code now incorporates this language in its new corresponding section of 406.2.12. As such, local K.C.C. amendments are no longer needed.
237.SSS	16.07.480	Provides limits on substandard envelopes.	Repealed	This WESC section, WSEC C407.3.1, has been moved into a new code section.
237.TTT	16.07.500	Requires solar zones to be provided on buildings that are 20 stories or less and provides an exception.	Repealed	Compared to the “Solar readiness – general” 2018 code, this amendment struck a reference that did not apply to code sections for residential buildings. The 2021 code section 411.3 now integrates this provision. As such, local K.C.C. amendments are no longer needed.
237.UUU	16.07.510	Describes how to account for mechanical equipment when measuring a solar zone.	Repealed	Local code language under the “Minimum area – mechanical equipment” section on the solar zone is now integrated in state code section 411.3.1. As such, local K.C.C. amendments are no longer needed.
237.VVV	16.07.520	Requires and provides criteria for roof penetration sleeves for solar.	Repealed	The requirements from 16.07.520 “Photovoltaic interconnection – roof penetration” are in the new amendment, WSEC C411.3.7. As such, local K.C.C. amendments are no longer needed.
237.WWW	16.07.530	Requires any new building or addition larger than 5,000 square feet of conditioned floor area to have an on-site renewable energy generation system. Provides exceptions.	Repealed	This section was amended to the extent that this section is proposed for repeal and a new section has been written and proposed for adoption. This amends state code C411.1.
237.XXX	16.07.540	Requires augmented or replaced HVAC heating systems to comply with IECC C403.14, and provides an exception	Repealed	This section was amended to the extent that this section is proposed for repeal and a new section has been written and proposed for adoption. This amends state code C503.4.6.
237.YYY	16.07.550	Does not require building envelope improvements for bakeries, commercial kitchens, or commercial laundries if electric Energy star-rated equipment is used.	Repealed	Proposed to add the language from this section to K.C.C. base code for section C405.14.
237.ZZZ	16.10.010	Established minimum standards to make dwelling units resistant to unlawful entry.	Repealed	Part of the proposed repeal of chapter 16.10. This is an outdated code chapter that has largely been made unnecessary by updates to the IBC and IRC over the code cycles. Code was first adopted by KC in 1996.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
				The removal of this chapter is consistent with current division practices. Further, this section implies an inspection would be required by Permitting for conversion of owner-occupied dwelling to a leased or rented dwelling. Removal of this chapter removes the inspection requirement for and streamlines the ability of property owners to make housing units available for rent.
237.AAAA	16.10.020	This is the "Scope" section of Chapter 16.10, King County Building Security Code.	Repealed	Part of the proposed repeal of chapter 16.10.
237.BBBB	16.10.030	Requires dwelling unit exterior doors on leased or rented units to have a view of the area outside the door without opening the door.	Repealed	Part of the proposed repeal of chapter 16.10.
237.CCCC	16.10.040	Provides criteria for strike plate installation.	Repealed	Part of the proposed repeal of chapter 16.10.
237.DDDD	16.10.050	Provides criteria for locking hardware.	Repealed	Part of the proposed repeal of chapter 16.10.
237.EEEE	16.10.060	Provides lock requirements for dwelling unit sliding doors.	Repealed	Part of the proposed repeal of chapter 16.10.
237.FFFF	16.10.070	Requires latching devices for windows.	Repealed	Part of the proposed repeal of chapter 16.10.
237.GGGG	16.10.080	Grants building official to approve alternative security devices.	Repealed	Part of the proposed repeal of chapter 16.10.
237.HHHH	16.10.100	States that security methods shall not obstruct any means of emergency egress or opening.	Repealed	Part of the proposed repeal of chapter 16.10.
237.IIII	16.10.110	Provides criteria for bars, grilles, grates, etc.	Repealed	Part of the proposed repeal of chapter 16.10.
237.JJJJ	16.10.120	Provides criteria for hinges.	Repealed	Part of the proposed repeal of chapter 16.10.
237.KKKK	16.14.020	Provides the scope for Chapter 16.14 International Property Maintenance Code.	Repealed	Part of the proposed repeal of specific sections of chapter 16.14. The proposed repeal of multiple sections of chapter 16.14 is due to the incorporation or replacement of many of the repealed requirements into the International Building Code and the International Residential Code, which have been specifically adopted by the county. Repealing the sections proposed for repeal avoids duplication and potential confusion.
237.MMMM	16.14.040	States that repairs, additions, or alterations to a structure, or changes of occupancy, may be done in accordance	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
		with the International Existing Building Code.		
237.NNNN	16.14.050	Does not adopt Section 102.7 of the IPMC.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.OOOO	16.14.060	Does not adopt Section 103 of the IPMC.	Repealed	Part of the proposed repeal of Chapter 16.14.
237.PPPP	16.14.140	Allows the code official to condemn a structure, equipment, or premises when found to be unsafe, unfit for occupancy, or unlawful.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.QQQQ	16.14.150	Describes an unsafe structure or premises.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.RRRR	16.14.250	Provides the code official authority to require occupants to vacate premises and lists the circumstances under which the code official could do so.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.SSSS	16.14.480	Requires pools, hot tubs, and spas to be surrounded by a fence or barrier. Provides criteria for those fences and barriers.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.TTTT	16.14.510	Does not adopt Section 304.18, and all of its subsections, of the IPMC.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.UUUU	16.14.530	Does not adopt Section 602.2 of the IPMC.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.VVVV	16.14.570	Does not adopt Section 602.4 of the IPMC.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.WWWW	16.14.580	Does not adopt Section 605.2 of the IPMC.	Repealed	Part of the proposed repeal of Chapter specific sections of 16.14.
237.XXXX	16.14.590	Does not adopt Section 606 of the IPMC.	Repealed	Part of the proposed repeal of specific sections of Chapter 16.14.
237.YYYY	16.32.336	Does not adopt Section 107 of the UPC.	Repealed	This code section as adopted by the County refers to water heaters, but Section 107 is incorrectly cited because it is not related to water heaters.
237.ZZZZ	16.32.337	Provides regulations for potable water-heating and space heating water heaters.	Repealed	The applicable requirements are now within the state adopted code. As such, this code section is no longer needed.
237.AAAAA	16.32.339	Regulates termination and connections for plastic water service piping within a building.	Repealed	This section is now in the state adopted code. No deviations are required. As such, this code section is no longer needed.
237.BBBBB	16.78.010	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
237.CCCCC	16.78.020	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.
237.DDDDD	16.78.030	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.
237.EEEEE	16.78.040	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.
237.FFFFF	16.78.050	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.
237.GGGGG	16.78.060(part)	Regulates ornamental pools.	Repealed	The entire chapter 16.78 regarding "ornamental pools" is being removed. This chapter covered a limited scope of "koi ponds" and similar structures which do not have a nexus to enforce the barrier provisions.
237.HHHHH	17.04.445	Provides criteria for roof hatches.	Repealed	This K.C.C. section is addressed in the IFC. As such, this code section is no longer needed.
237.IIIII	17.04.447	Provides criteria of enclosed interior courtyards.	Repealed	This K.C.C. section is not part of the IFC and is no longer needed.
237.JJJJJ	17.04.466	Provides signal strength technical requirements for emergency responder radio coverage.	Repealed	No longer needed as it mirrors language with the IFC.
237.KKKKK	17.04.468	Provides amplification and components technical requirements for emergency responder radio coverage	Repealed	No longer needed as it mirrors language within the IFC.
237.LLLLL	17.04.471	Provides signal booster technical requirements for emergency responder radio coverage.	Repealed	No longer needed. IFC 2021 addresses issues and is easier to understand, same for 17.04.471 through 540.
237.MMMMM	17.04.472	Provides system monitoring technical requirements for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.NNNNN	17.04.477	Provides minimum qualifications of personnel for installation requirements for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.OOOOO	17.04.478	Provides acceptance test procedures for installation requirements for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.

Ordinance Section	King County Code Section	Current Code	Proposed Change	Intent/Rationale
237.PPPPP	17.04.479	Provides wiring installation requirements for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.QQQQQ	17.04.481	Provides identification sign installation requirements for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.RRRRR	17.04.486	Provides testing and proof of compliance of maintenance for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.SSSSS	17.04.487	Provides an alternative test procedure for testing and proof of compliance of maintenance for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.TTTTT	17.04.488	Provides field testing and proof of compliance of maintenance for emergency responder radio coverage.	Repealed	This section is no longer needed. IFC 2021 covers this and is much easier to understand.
237.UUUUU	17.04.540	Provides criteria for where sprinklers are required.	Repealed	This section no longer needed as the IFC 2021 addresses this language.
238	n/a	n/a	States that the ordinance will not go into effect until XX days after its enactment.	The ordinance proposes to align the effective date of the legislation with the implementation timeline.
239	n/a	n/a	Severability	Standard King County severability language.