DRAFT PSSB 5981 CARLYLE CHERRY

AN ACT Relating to implementing a greenhouse gas emissions cap 1 and trade program; adding a new chapter to Title 70 RCW; prescribing 2 3 penalties; providing contingent effective dates; and providing a contingent expiration date. 4

## 5 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

6 NEW SECTION. Sec. 1. INTENT AND FINDINGS. (1) The legislature 7 finds that climate change is harming the state and that without substantial reductions in greenhouse gas emissions, the harm to the 8 state will be greatly increased. While Washington's emissions are 9 10 only a small part of the global emissions of greenhouse gases, the 11 state must act to reduce its own emissions while providing leadership 12 and a model for action by other jurisdictions to address their own The 2008 legislature established statewide emissions 13 emissions. limits that are to be achieved by 2020, 2035, and 2050, but did not 14 15 enact a comprehensive program to ensure that the emissions reductions 16 would be accomplished. More recent scientific data indicates that 17 these emissions limits are insufficient for the state to contribute 18 its fair share of reductions necessary to avoid the most extreme 19 impacts of climate change. The legislature by this act revises the 20 state's emissions limits to be consistent with this scientific 21 consensus, and to provide a comprehensive pathway to achieve these Code Rev/ML:eab 1

- reductions in a manner that is fair among all major emissions sources. This program will meet Washington state's commitment to its present and future generations to fully address the climate change challenge.
- (2) The centerpiece of this program is the creation of a cost-5 effective carbon pollution market for reducing greenhouse gas 6 7 emissions that is capable of being integrated with emissions reduction programs in other jurisdictions. The Washington program 8 will allow the state to achieve the necessary statewide emissions 9 reductions in the most cost-effective manner through market trading 10 11 of emission allowances. By implementing this program, the state will not only contribute its fair share of necessary global emissions 12 reductions, but will also grow the state's clean energy economy and 13 14 provide greater certainty to Washington businesses.
- NEW SECTION. Sec. 2. DEFINITIONS. The definitions in this section apply throughout this chapter unless the context clearly requires otherwise.
  - (1) "Aggregation" means an approach for qualifying and quantifying offset projects that allows for the grouping together of two or more geographically separate activities that result in reductions or removals of greenhouse gases in a similar manner.
- 22 (2) "Allowance" means a tradable authorization to emit up to one 23 metric ton of carbon dioxide equivalent.
  - (3) "Allowance price containment reserve" means an account maintained by the department with allowances available for sale through separate reserve auctions at predefined prices to assist in containing compliance costs for covered and opt-in entities in the event of unanticipated high costs for compliance instruments.
  - (4) "Annual allowance budget" means the total number of greenhouse gas allowances allocated for auction and distribution for one calendar year by the department.
  - (5) "Auction" means the process of selling greenhouse gas allowances by offering them up for bid, taking bids, and then distributing the allowances to winning bidders.
- 35 (6) "Auction floor price" means a price for allowances below 36 which bids at auction would not be accepted.
- 37 (7) "Auction purchase limit" means the limit on the number of 38 allowances one registered entity or a group of affiliated registered

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- 1 entities may purchase from the share of allowances sold at an 2 auction.
  - (8) "Carbon dioxide equivalent" means a measure used to compare the emissions from various greenhouse gases based on their global warming potential.
  - (9) "Compliance instrument" means an allowance or offset credit issued by the department or by an external greenhouse gas emissions trading program to which Washington has linked its carbon pollution program. A covered or opt-in entity may use one compliance instrument to fulfill each compliance obligation equivalent to one metric ton of carbon dioxide equivalent.
  - (10) "Compliance obligation" means the requirement to turn in to the department the number of compliance instruments equivalent to a covered or opt-in entity's covered emissions during the compliance period.
- 16 (11) "Covered emissions" means the emissions for which a covered 17 entity has a compliance obligation under section 15 of this act.
  - (12) "Covered entity" means a person that is designated by the department as subject to sections 4 through 19 of this act.
    - (13) "Department" means the department of ecology.
    - (14) "Direct environmental benefits in the state" means:
- 22 (a) A reduction in or avoidance of emissions of any air 23 contaminant in this state other than a greenhouse gas;
  - (b) A reduction in or avoidance of pollution of any of the waters of the state; or
- 26 (c) An improvement in the health of natural and working lands in this state.
  - (15) "Emissions threshold" means the greenhouse gas emission level at or above which a person has a compliance obligation.
  - (16) "External greenhouse gas emissions trading program" means a government program, other than Washington's program created in this chapter, that restricts greenhouse gas emissions from sources outside of Washington through an emissions trading program.
- 34 (17) "Facility" includes any physical property, plant, building 35 structure, source, or stationary equipment located on one or more 36 contiguous or adjacent properties in actual physical contact or 37 separated solely by a public roadway or other public right-of-way and 38 under common ownership or control, that emits or may emit greenhouse 39 gas. "Facility" includes a refinery facility.

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- 1 (18) "First jurisdictional deliverer" means the first person over 2 which the state of Washington has jurisdiction that generates or 3 procures electricity for use within the state and delivers the 4 electricity to the first point of delivery into the state.
  - (19) "General market participant" means a registered entity that is not identified as a covered entity or an opt-in entity that is registered in the program registry and intends to purchase, hold, sell, or voluntarily retire compliance instruments.

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- (20) "Greenhouse gas" includes carbon dioxide, methane, nitrogen trifluoride, nitrous oxide, sulfur hexafluoride, hydrofluorocarbons, perfluorocarbons, and other fluorinated greenhouse gases.
- (21) "Highly impacted communities" means those communities identified pursuant to section 25 of this act.
- (22) "Holding limit" means the maximum number of allowances that may be held for use or trade by a registered entity at any one time.
  - (23) "Imported electricity" means electricity generated outside the state of Washington and delivered for use within the state, but which did not originate from any jurisdiction with which Washington has a linkage agreement.
- 20 (24) "Leakage" means a reduction in emissions of greenhouse gases 21 within the state that is offset by an increase in emissions of 22 greenhouse gases outside the state.
- 23 (25) "Limits" means the greenhouse gas emissions reductions 24 required by RCW 70.235.020.
  - (26) "Linkage agreement" means a formal agreement that connects two or more carbon market programs to reciprocally recognize each jurisdiction's compliance instruments.
  - (27) "Offset credit" means a tradable compliance instrument that represents an emissions reduction or emissions removal of one metric ton of carbon dioxide equivalent.
  - (28) "Offset project" means a project that reduces or removes greenhouse gases that are not regulated emissions under this chapter.
  - (29) "Offset protocols" means a set of procedures and standards to quantify greenhouse gas reductions or greenhouse gas removals achieved by an offset project.
  - (30) "Person" includes an individual, firm, partnership, franchise holder, association, organization, corporation, business trust, company, limited liability company, or government entity.
- 39 (31) "Point of delivery" means a point on the electricity 40 transmission or distribution system physically located in Washington Code Rev/ML:eab 4 S-4858.6/20 6th ROUGH DRAFT

- 1 where a power supplier delivers electricity for use in the state.
- 2 This point may be an interconnection with another system or a
- 3 substation where the transmission provider's transmission and
- 4 distribution systems are connected to another system, or a
- 5 distribution substation where electricity is imported into the state
- 6 over a multijurisdictional retail provider's distribution system.
- 7 (32) "Program" means the emissions cap and trade program 8 implemented in this chapter.
- 9 (33) "Program registry" means the data system in which covered 10 parties, opt-in entities, and general market participants are 11 registered and in which compliance instruments are recorded and 12 tracked.
  - (34) "Refinery facility" means a facility in Washington that is operated by a person who also produces, refines, imports, or delivers, or any combination of producing, refining, importing, or delivering, a quantity of fuel that, if completely combusted, oxidized, or used in other processes, would result in the release of greenhouse gas equivalent to or higher than the reporting threshold established in RCW 70.94.151(5)(a).
  - (35) "Registered entity" means a covered entity, opt-in entity, or general market participant that has completed the process for registration in the program registry.
    - (36) "Retire" means to permanently remove an allowance or offset credit such that the allowance or offset credit may never be sold, traded, or otherwise used again.
    - (37) "Supplier" means a supplier of fuel in Washington state as defined in RCW 70.94.151(5)(h)(ii). "Supplier" also means a supplier of carbon dioxide in Washington that, if released, would result in greenhouse gas emissions equivalent to or higher than that threshold.
- 30 (38) "Surrender" means to transfer an allowance or offset credit 31 to the department, either to meet a compliance obligation or on a 32 voluntary basis.
- NEW SECTION. Sec. 3. GREENHOUSE GAS EMISSIONS CAP AND TRADE PROGRAM. (1) In order for the state's emissions reduction limits established in RCW 70.235.020 to be achieved, the department shall implement a greenhouse gas emissions cap on total emissions from covered entities by creating and distributing allowances that are tradable among registered entities in the program and that are

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- 1 tradable beyond the program when linked to another program or 2 programs.
  - (2) The program consists of:

- (a) Annual allowance budgets that limit emissions from covered entities, as provided in section 4 of this act;
- (b) Defining those entities covered by the program, and those entities that may voluntarily opt into coverage under the program, as provided in sections 5 and 6 of this act;
- (c) Distribution of emission allowances by auction, as provided in section 11 of this act, and through the allowance price containment provisions under section 12 of this act;
- (d) Providing for offset credits as a method for meeting a compliance obligation, pursuant to section 14 of this act;
- (e) Defining the compliance obligation for covered entities, as provided in section 15 of this act;
- (f) Establishing the authority of the department to enforce the program requirements, as provided in section 16 of this act;
  - (g) Creating a carbon pollution reduction account for the deposit of receipts from the distribution of emission allowances, as provided in section 21 of this act;
- (h) Providing for the transfer of allowances and recognition of compliance instruments issued by jurisdictions that enter into linkage agreements with the state, as provided in section 17 of this act.
- (3) The department shall implement the program in a manner that allows linking the state's program with other jurisdictions having similar programs, where such linkage will provide for a more cost-effective means for Washington covered entities to meet their compliance obligations while recognizing the special characteristics of the state's economy and industries, and ensure that the standards of section 17 of this act are met.
- (4) The department shall, to the maximum extent practicable, implement the program in a manner that is integrated with other complementary policies and programs that reduce greenhouse gas emissions. For electric utilities subject to the requirements of this chapter and chapter 19.405 RCW, and as provided in section 8 of this act, the department shall seek to harmonize compliance and avoid duplicative regulatory or cost burdens on those entities while creating opportunities for increasing the value of clean energy, encouraging early action, and reducing the costs to customers and Code Rev/ML:eab S-4858.6/20 6th ROUGH DRAFT

- 1 ratepayers of transitioning to one hundred percent clean electricity.
- 2 The department must consider the entire life cycle of emissions
- 3 associated with the consumption of fossil fuels and electricity in
- 4 the state, and design the program to avoid fuel shuffling or other
- 5 shifts in fuels or electricity sources that increases the net
- 6 emissions when considering the combined impacts of this program and
- 7 other complementary emissions reduction programs.
- 8 NEW SECTION. Sec. 4. SETTING ANNUAL ALLOWANCE BUDGETS. (1) The shall commence the program by determining the 9 10 proportionate share that the total greenhouse gas emissions of covered entities for the years 2014 through 2018 bears to the total 11 anthropogenic greenhouse gas emissions in the state during those 12 years. By October 1, 2021, the department shall adopt a program 13 budget for each calendar year of allowances for all covered entities 14 15 to be distributed from January 1, 2022, through December 31, 2035. The program budget must be set to achieve the share of reductions by 16 17 covered entities necessary to achieve the 2035 statewide emission limits established in RCW 70.235.020. The department must adopt 18 annual allowance budgets for the program on a calendar year basis 19 20 that provide for substantially equivalent reductions year to year 21 over this period.
  - (2) The department must complete an evaluation by December 31, 2026, of the performance of the program, and make adjustments in the annual budgets to ensure achievement of 2035 emission reduction limits identified in RCW 70.235.020. By October 1, 2034, the department shall adopt by rule the annual program budgets for the years 2036 through 2050. The department must complete an evaluation by December 31, 2042, of the performance of the program, and make adjustments in the annual budgets to ensure achievement of 2050 emission reduction limits identified in RCW 70.235.020. Nothing in this subsection precludes the department from making additional adjustments as necessary to ensure successful achievement of emission reduction limits.
- NEW SECTION. Sec. 5. ENTITIES REQUIRED TO BE COVERED IN THE PROGRAM. (1) A person is a covered entity as of the beginning of the first compliance period and all subsequent compliance periods if the person reported emissions under RCW 70.94.151 in any calendar year

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1 from 2017 through 2019 that equals or exceeds any of the following thresholds: 2

- (a) Where the person operates a facility and the facility's emissions equal or exceed twenty-five thousand metric tons of carbon dioxide equivalent;
- (b) Where the person is a first jurisdictional deliverer bringing electricity into the state and the cumulative total of emissions associated with imported electricity into the state from specified or unspecified sources equals or exceeds twenty-five thousand metric tons of carbon dioxide equivalent. For a specified source, the person must have either full or partial ownership in the facility, or a written power contract to procure electricity at the facility, at the time of entry of the transaction to procure electricity;
- (c) Where the person generates electricity in the state whose emissions associated with such generation equals or exceeds twentyfive thousand metric tons of carbon dioxide equivalent;
- Where the person supplies natural gas in amounts whose emissions associated with such supplies exceeds twenty-five thousand metric tons, excluding the amounts supplied to covered entities under (a), (b), (c) or (e) of this subsection;
- (e) Where the person is a fuel supplier other than natural gas and has reported twenty-five thousand metric tons or more of carbon dioxide equivalent emissions that would result from the full combustion or oxidation within the state of Washington of the supplied fuels and has a compliance obligation for the emissions from the full combustion or oxidation of those supplied fuels consistent with subsection (6) of this section; and
- (f) Where the person operates a facility and is a direct purchaser of electricity from a federal power market agency or from a joint operating entity and the associated emissions from both the facility and purchased electricity equals or exceeds twenty-five thousand metric tons of carbon dioxide equivalent.
- (2) When a covered entity reports, during a compliance period, emissions from a facility under RCW 70.94.151 that are below the thresholds specified in subsection (1) of this section, the covered entity continues to have a compliance obligation through the current compliance period. When a covered entity reports emissions below the threshold during an entire compliance period, or has ceased all processes at the facility requiring reporting under RCW 70.94.151, the entity is no longer a covered entity unless the department

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- provides notice at least twelve months before the end of the compliance period that the facility's emissions were within ten percent of the threshold and that the person will continue to be designated as a covered entity in order to ensure equity among all covered entities.
  - (3) For types of emissions sources described in subsection (1) of this section that begin or modify operation after January 1, 2021, coverage under the program starts in the calendar year where emissions from the source exceed the applicable thresholds in subsection (1) of this section. Sources meeting these conditions are required to surrender their first allowances on the first surrender deadline of the year following the year in which their emissions were equal to or exceeded the emissions threshold.
- (4) For emissions sources described in subsection (1) of this section that are in operation or otherwise active between 2014 and 2019 but were not required to report emissions for those years, coverage under the program starts in the calendar year following the year where emissions from the source exceed the applicable thresholds in subsection (1) of this section as reported pursuant to RCW 70.94.151, or upon formal notice from the department that the source is expected to exceed the applicable emissions threshold for the first year that source is required to report emissions, whichever happens first. Sources meeting these conditions are required to surrender their first allowances on the first surrender deadline of the year following the year in which their emissions, as reported under RCW 70.94.151, were equal to or exceeded the emissions threshold.
- (5) Emissions that are not required to be reported under RCW 70.94.151 are not covered by the program. In addition, the following emissions are not covered by the program and must not be included in determining the applicability of the emission thresholds in subsection (1) of this section:
- (a) Emissions from the combustion of biomass in the form of fuel wood, wood waste, wood by-products, and wood residuals, as long as the source biomass is harvested pursuant to an approved timber management plan prepared in accordance with the forest practices act under chapter 76.09 RCW, a habitat conservation plan, or other state or federally approved management plan, or harvested under an approved forest fire fuel reduction or forest stand improvement plan;

1 (b) Emissions from combustion of biofuels or the biofuel 2 component of blended fuels. For the purposes of this section, 3 "biofuel" means a liquid or gaseous fuel produced directly from 4 biological feedstocks;

- (c) Emissions from the combustion of aviation fuels outside the state or aviation fuels otherwise determined to be inapplicable in accordance with federal law or international agreement;
- (d) Emissions from watercraft fuels supplied in Washington that are combusted outside of Washington;
- (e) Emissions from a coal-fired electric generation facility exempted from additional greenhouse gas limitations, requirements, or performance standards under RCW 80.80.110;
- (f) Emissions from the combustion of fossil fuels or electricity exported from Washington state, which includes electricity transmitted through the state that is not produced or consumed in state. Export to Indian country located within the boundaries of Washington state is not considered export from the state. For purposes of this subsection, "Indian country" has the same meaning as provided in RCW 37.12.160;
- (g) Vented or fugitive emissions that are unintentional and could not reasonably pass through a stack, chimney, vent, or other functionally equivalent opening; and
- (h) Emissions from facilities with North American industry classification system code 92811 (national security).
- (6) The department shall not require multiple covered entities to have a compliance obligation for the same emissions. The department may by rule authorize refineries, fuel suppliers, facilities using natural gas, and natural gas suppliers to provide by agreement for the assumption of the compliance obligation for fuel or natural gas supplied and combusted in the state. The department must be notified of such an agreement at least twelve months prior to the compliance obligation period for which the agreement is applicable.
- (7) (a) In order to ensure adequate funding for transportation needs in the future and to augment the revenue increase from this act with the other needed resources for transportation infrastructure investments, this section does not take effect until an additive transportation funding act is enacted after January 1, 2020.
- (b) For the purposes of this section, "additive transportation funding act" means an act in which the combined total of new revenues deposited into the motor vehicle fund and the multimodal Code Rev/ML:eab

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- transportation account exceed two billion dollars per biennium attributable solely to an increase in revenue from the enactment of the act.
- (c) The director of the department of ecology must provide written notice of the effective date of this section to affected parties, the chief clerk of the house of representatives, the secretary of the senate, the office of the code reviser, and others as deemed appropriate by the department of ecology.
- 9 <u>NEW SECTION.</u> **Sec. 6.** REGISTRATION REQUIREMENTS FOR PROGRAM 10 PARTICIPATION. (1) All covered entities must register to participate 11 in the program, following procedures adopted by the department by 12 rule.
- 13 (2) Entities registering to participate in the program must 14 describe any direct or indirect affiliation with other registered 15 entities.

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- (3) A person responsible for greenhouse gas emissions that is not a covered entity may voluntarily participate in the program by registering as an opt-in entity. An opt-in entity must satisfy the same registration requirements as covered entities. Once registered, an opt-in entity is allowed to participate as a covered entity in auctions and must assume the same compliance obligation to surrender compliance instruments equal to their emissions at the appointed surrender dates. An opt-in entity may opt out of the program at the end of any compliance period by providing written notice to the department at least six months prior to the end of the compliance period. The opt-in entity continues to have a compliance obligation through the current compliance period.
- (4) A person that is not covered by the program and is not a covered entity or opt-in entity may voluntarily participate in the program as a general market participant. General market participants must meet all applicable registration requirements specified by rule.
- Sec. 7. ENERGY-INTENSIVE, TRADE-EXPOSED ENTITIES. 32 NEW SECTION. (1)(a) In order to mitigate the risk of leakage, by January 1, 2021, 33 the department shall adopt rules for allocating allowances that must 34 be surrendered by those covered entities listed in (b) of this 35 subsection and additional entities that the department determines are 36 engaged in energy-intensive, trade-exposed processes as described in 37 subsection (2) of this section. The rules must establish a schedule 38 Code Rev/ML:eab 11 S-4858.6/20 6th ROUGH DRAFT

- 1  $\,$  for 2021 through 2035 that provides for a declining portion of the
- 2 allocation to such covered entities that must be provided at no cost.
- 3 The department shall contract with qualified and independent experts
- 4 to assist the department in gathering data and conducting analysis as
- 5 necessary to implement the provisions of this subsection. The
- 6 department shall also consider approaches used by other jurisdictions
- 7 with existing carbon reduction or carbon pricing programs.
- 8 (b) A covered or opt-in entity must receive an allocation under
- 9 this subsection if the entity is classified as being engaged in one
- 10 or more of the processes described by the following industry
- 11 descriptions and codes in the North American industry classification
- 12 system:
- 13 (i) Primary metal manufacturing, including iron and steel
- 14 milling, ferroalloy and primary metal manufacturing North American
- 15 industry classification system codes beginning with 331;
- 16 (ii) Secondary metals manufacturing, including smelting,
- 17 refining, and alloying of nonferrous metal, North American industry
- 18 classification code 331492;
- 19 (iii) Paper manufacturing, including pulp mills, paper mills, and
- 20 paperboard milling, North American industry classification system
- 21 codes beginning with 322;
- 22 (iv) Aerospace product and parts manufacturing, North American
- 23 industry classification system codes beginning with North American
- 24 industry classification system code 3364;
- 25 (v) Wood products manufacturing, North American industry
- 26 classification system codes beginning with 322;
- 27 (vi) Nonmetallic mineral manufacturing, including glass container
- 28 manufacturing, North American industry classification system codes
- 29 beginning with 327;
- 30 (vii) Chemical manufacturing, North American industry
- 31 classification system codes beginning with 325;
- 32 (viii) Computer and electronic product manufacturing, including
- 33 semiconductor and related device manufacturing, North American
- 34 industry classification system codes beginning with 334;
- 35 (ix) Food manufacturing, North American industry classification
- 36 system codes beginning with 311;
- 37 (x) Petroleum refining, North American industry classification
- 38 system codes beginning with 324; and
- 39 (xi) Cement manufacturing, North American industry classification
- 40 system code 327310.

(2) By January 1, 2021, the department must adopt a rule establishing criteria for both emissions intensity and trade exposure for the purpose of identifying emissions-intensive trade-exposed manufacturing businesses not listed in subsection (1)(b) of this section. The criteria must incorporate, to the extent possible, approaches used by other jurisdictions with existing carbon reduction or carbon pricing programs, particularly those with which linkage agreements are anticipated. A manufacturing business that can demonstrate to the department that it meets this criteria is eligible for the same treatment as entities listed in subsection (1)(b) of this section.

- (3) As used in this section, "annual benchmarked emissions calculation" means the product of an emissions efficiency benchmark for a good or group of goods, multiplied by the covered entity's output, during the calendar year prior to the calendar year in which allowances will be allocated under this section to the entity, of the good or group of goods to which the emission efficiency benchmark applies. The rules must apply, for each energy-intensive, trade-exposed process, an emissions intensity benchmark that is consistent with that provided in similar emissions reduction programs in other jurisdictions for covered entities in the same industry.
- (4) The rules must provide a means for attributing a covered entity's emissions to the manufacture of individual goods and requirements for providing pertinent records to verify the output data used to calculate the emissions intensity benchmark.
- (5) The annual allocation of allowances for direct distribution to an entity described under or designated pursuant to this section must be equal to the sum of the annual benchmarked emissions calculations for the goods manufactured by the entity, multiplied by:
  - (a) During calendar year 2024, one hundred percent;
- (b) Beginning in 2025 and for each year thereafter through 2050, a percentage that is adjusted annually, as set forth in a schedule adopted by the department by rule. The schedule must result in an amount of annual allowances that a covered entity may receive under this section and from the allowance price containment reserve that declines annually by a constant amount proportionate to the decline in the amount of allowances available in annual allowance budgets pursuant to section 4 of this act.
- (6) By 2025, and once every two years thereafter, the department shall conduct a review of the rules adopted under this section and Code Rev/ML:eab

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- any updated data and analysis to determine whether updates to the rules are necessary to:
  - (a) Mitigate leakage by covered entities engaged in energy-intensive, trade-exposed processes;
  - (b) Prevent allocation to covered entities of allowances under this section that are in excess of the allocation necessary to mitigate leakage;
- 8 (c) Update the applicable emissions intensity benchmarks for any 9 energy-intensive, trade-exposed processes; and
  - (d) Revise the scope of industries designated by rule as energyintensive, trade-exposed under this section.
  - (7) The department shall by rule provide for covered entities to apply to the department for an adjustment to the allocation for direct distribution of allowances. The department may grant the adjustment based only on either:
  - (a) A significant change in the emissions attributable to the manufacture of an individual good or goods in this state by a covered entity based on a finding by the department that an adjustment is necessary to accommodate for changes in the manufacturing process that have a material impact on emissions; or
- 21 (b) Significant changes to a covered entity's external 22 competitive environment that result in a significant increase in 23 leakage risk.
  - NEW SECTION. Sec. 8. ELECTRICITY SUPPLIERS. (1) In order to mitigate the impact of rates or charges on citizens of the state for electricity services, by January 1, 2021, the department, in consultation and collaboration with both the department of commerce and the utilities and transportation commission, shall adopt rules for allocation of allowances at no cost to covered entities listed in section 5(1) (b) and (c) of this act. The rules must establish a schedule for 2021 through 2035 that provides for distribution of allowances in a calendar year that equals the annual average of the preceding three years of emissions attributable to the covered entity's supply of electricity to Washington customers and that is consumed in the state. By January 1, 2035, the department must adopt rules providing the method for distribution of no-cost allowances to electricity providers during calendar years 2036 through 2050. The department may contract with third-party experts not financially affiliated with electricity providers to assist the department in

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gathering data and conducting analyses as necessary to implement the provisions of this section.

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- (2) The department shall require an electricity provider to consign all allowances directly distributed under this section to the state to be auctioned pursuant to section 11 of this act. The proceeds shall be remitted to the provider and must be used exclusively for the benefit of the utility's customers to minimize the impacts of sections 2 through 20 of this act. The provider must develop a plan for meeting the requirements of this subsection. The utilities and transportation commission as to electric companies, and the department of commerce as to consumer-owned utilities, must adopt rules regarding plan development, public participation, and the content of the plans. The plans must identify a portfolio of mechanisms to assist customers including, but not limited to, weatherization, energy efficiency, electrification of heating in buildings, electric vehicle incentives, and infrastructure. The plans must also provide that no less than fifty percent of the proceeds from the sale of allowances consigned to the state for auction be used for nonvolumetric credits or other rate relief to the provider's customers.
- 21 (3) By December 31, 2021, the department, the department of commerce, and the utilities and transportation commission shall provide a report to the appropriate committees of the legislature that analyzes the implications of the emerging energy imbalance market and a fully regionalized grid for allowance allocation to covered entities that are electricity providers.
- 27 <u>NEW SECTION.</u> **Sec. 9.** NATURAL GAS SUPPLIERS. (1) The department 28 shall adopt rules for allocating allowances for direct distribution at no-cost to covered entities that are natural gas utilities. The 29 30 rules must provide that, for 2022, no-cost allowances be distributed that are not less than . . . . percent of the weather normalized 31 anthropogenic greenhouse gas emissions forecast, for 2022, to be 32 regulated emissions attributable to the natural gas utility. 33 Beginning in 2023 and for each year through 2035, the direct 34 35 distribution must decline annually by a constant amount proportionate to the decline in the number of allowances available in annual 36 allowance budgets pursuant to section 4 of this act. 37
  - (2) The department shall require a natural gas utility to consign all allowances directly distributed under this section to the state

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to be auctioned pursuant to section 11 of this act. The proceeds must 1 be remitted to the utility and must be used exclusively for the 2 benefit of the utility's customers to minimize the impacts of 3 sections 2 through 20 of this act. All proceeds from auctioning an 4 amount of allowances distributed pursuant to this section equal to 5 6 the covered emissions attributable to the provision of natural gas to the utility's low-income customers must be used to provide for rate 7 relief to the low-income customers. A natural gas utility must 8 develop a plan for meeting the requirements of this subsection, and 9 file the plan with the utilities and transportation commission, 10 11 consistent with rules specified by the commission. The commission's rules must also provide for public participation in the development 12 of the plan. The plan must identify a portfolio of mechanisms to 13 assist customers including, but not limited to, weatherization and 14 more efficient residential, commercial, and industrial use of natural 15 development of renewable natural gas supplies 16 infrastructure, including provision of such fuels to vehicles within 17 the utility's service territory. The plan must place the highest 18 priority upon assistance to the utility's low-income customers, and 19 must provide that no less than twenty-five percent of the proceeds 20 21 from the sale of allowances consigned to the state for auction be used for nonvolumetric credits or other rate relief for residential 22 23 customers.

(3) A natural gas utility that delivers natural gas to a customer that is a covered entity or opt-in entity may not include in the rate or bill charged to the customer any costs associated with compliance by the natural gas utility with sections 2 through 20 of this act.

NEW SECTION. Sec. 10. UTILITIES AND TRANSPORTATION COMMISSION OVERSIGHT OF CUSTOMER RATES. The utilities and transportation commission shall ensure that its processes and mechanisms allow timely cost recovery for prudent and reasonable costs associated with compliance with this act that are incurred by electricity suppliers and natural gas suppliers under its jurisdiction.

NEW SECTION. Sec. 11. ALLOWANCE DISTRIBUTION THROUGH AUCTIONS.

(1) Except as provided in sections 7 and 8 of this act, the department shall distribute allowances through auctions as provided in this section and section 12 of this act, and in rules adopted by

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- 1 the department to implement these sections. An allowance is not a 2 property right.
  - (2) The department shall hold a maximum of four auctions annually. An auction may include allowances from the annual allowance budget of the current year and allowances from the annual allowance budgets from prior years that remain to be distributed. The department must make future vintage allowances available through separate auctions at least twice annually in addition to the auctions through which current vintage allowances are exclusively offered.
  - (3) The department shall engage a qualified, independent contractor to run the auctions. The department shall also engage a qualified financial services administrator to hold the bid guarantees, evaluate bid guarantees, and inform the department of the value of bid guarantees once the bids are accepted.
  - (4) To help minimize allowance price volatility in the auction and any secondary markets, the department shall adopt by rule an auction floor price and a schedule for the floor price to increase by a predetermined amount every year through 2030. The department shall not sell allowances at bids lower than the auction floor price. The department's rules must specify holding limits that determine the maximum number of allowances that may be held for use or trade by a registered entity at any one time. The department shall also establish an auction ceiling price to limit extraordinary prices and to determine when to offer allowances through the allowance price containment reserve auctions authorized under section 12 of this act.
  - (5) Auctions are open to covered entities, opt-in entities, and general market participants that are registered entities in good standing. The department shall adopt by rule the requirements for a registered entity to register and participate in a given auction.
  - (a) Registered entities intending to participate in an auction must submit an application to participate at least thirty days prior to the auction. The application must include the documentation required for review and approval by the department. A registered entity is eligible to participate only after receiving a notice of approval by the department.
  - (b) Each registered entity that elects to participate in the auction must have a different representative. Only a representative with an approved auction account is authorized to access the auction platform to submit an application or confirm the intent to bid for the registered entity, submit bids on behalf of the registered entity

- during the bidding window, or to download reports specific to the auction.
  - (6) To protect the integrity of the auctions, a registered entity or group of registered entities with a direct corporate association are subject to the following auction purchase limits:
  - (a) A covered entity or an opt-in entity may not buy more than twenty-five percent of the allowances offered during a single auction;
- 9 (b) A general market participant may not buy more than four 10 percent of the allowances offered during a single auction;
  - (c) No registered entity may buy more than the entity's bid guarantee; and
  - (d) No registered entity may buy allowances that would exceed the entity's holding limit at the time of the auction.
  - (7) Upon completion of the auction results, the financial services administrator shall notify winning bidders and transfer the auction proceeds to the state treasurer for deposit in the carbon pollution reduction account created in section 21 of this act.
  - (8) The department shall adopt by rule provisions to guard against bidder collusion and minimize the potential for market manipulation. A registered entity may not release or disclose any bidding information including: Intent to participate or refrain from participation; auction approval status; intent to bid; bidding strategy; bid price or bid quantity; or information on the bid guarantee provided to the financial services administrator. The department may cancel or restrict a previously approved auction participation application or reject a new application if the department determines that a registered entity has:
    - (a) Provided false or misleading facts;
- 30 (b) Withheld material information that could influence a decision 31 by the department;
  - (c) Violated any part of the auction rules;
  - (d) Violated registration requirements; or
- 34 (e) Violated any of the rules regarding the conduct of the 35 auction.
- 36 (9) Any cancellation or restriction approved by the department 37 may be permanent or for a specified number of auctions and the 38 cancellation or restriction imposed is in addition to any other 39 penalties, fines, and additional remedies available under the law.

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- 1 (10) The department shall design allowance auctions so as to allow, to the maximum extent practicable, linking with external 2 greenhouse gas emissions trading programs in other jurisdictions and 3 to facilitate the transfer of allowances when the state's program is 4 linked with other external greenhouse gas emissions trading programs. 5 6 The department may conduct auctions jointly with other jurisdictions 7 with which it has a linkage agreement under section 17 of this act. For joint auctions, the financial services administrator, the market 8 monitor, and the auction administrator must be the same as the one 9 employed by those jurisdictions. 10
- NEW SECTION. Sec. 12. ALLOWANCE PRICE CONTAINMENT RESERVE. (1)
  During years 2021 through 2023, the department shall place not less
  than four percent of the total number of allowances available from
  the allowance budgets for those years in an allowance price
  containment reserve. The reserve must be designated as a mechanism to
  assist in containing compliance costs for covered and opt-in entities
  in the event of unanticipated high costs for compliance instruments.
  - (2) The department shall adopt rules for holding auctions of allowances from the price containment reserve when the settlement prices in the preceding auction approach the adopted auction ceiling price. The auction must be separate from auctions of other allowances. Allowances unsold through the reserve auction must be made available again at future reserve auctions.
  - (3) Only covered and opt-in entities may participate in the auction of allowances from the allowance price containment reserve.
  - (4) The process for reserve auctions is the same as the process provided in section 11 of this act and the proceeds from reserve auctions must be treated the same.
    - (5) The department shall by rule:
  - (a) Set the reserve auction floor price in advance of the reserve auction. The department shall set the reserve auction floor price high enough to incentivize direct emissions reductions. The department may choose to establish multiple price tiers for the allowances from the reserve;
- 35 (b) Establish the requirements and schedule for the allowance 36 price containment reserve auctions; and
- 37 (c) Establish the amount of allowances to be placed in the 38 allowance price containment reserve after the compliance period 39 ending in 2023.

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- NEW SECTION. Sec. 13. EMISSIONS CONTAINMENT RESERVE. (1) The department shall establish an emissions containment reserve for the purpose of reserving allowances otherwise scheduled for distribution under the annual budget when auction prices in two or more recent auctions demonstrate that achievement of the annual caps and emission limits of RCW 70.235.020 may be in jeopardy.
- (2) The department shall by rule adopt criteria for placing emission allowances in such a reserve, including the auction price levels at which the allowances may be placed in the reserve, the amount of allowances to be placed in the reserve, and the criteria for retiring the allowances permanently or distributing the allowances in future auctions.
- 13 <u>NEW SECTION.</u> **Sec. 14.** OFFSET CREDITS. (1) The department shall adopt by rule the protocols for establishing offset projects and 14 15 securing offset credits that may be used to meet a portion of a covered or opt-in entity's compliance obligation under section 15 of 16 17 this act.
  - (2) Offset projects:

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- (a) Must be located in the United States or in a jurisdiction 19 20 with which the department has entered into a linkage agreement pursuant to section 17 of this act; 21
  - (b) Must result in greenhouse gas reductions or removals that:
- 23 (i) Are real, specific, permanent, quantifiable, verifiable, and 24 enforceable; and
  - (ii) Are in addition to greenhouse gas emissions reductions or removals otherwise required by law and other greenhouse gas emissions reductions or removals that would otherwise occur;
  - (c) Must have been certified by a recognized registry within two years prior to the effective date of this section;
- 30 (d) May include programs, activities, or projects that improve energy efficiency, including district energy, and investments in 31 market transformation of energy efficiency products; and 32
  - (e) May include programs, activities, or projects that result in direct air carbon capture and storage, and sequestration of carbon in forests and other terrestrial and aquatic areas.
- (3) (a) A total of no more than eight percent of a covered or opt-36 in entity's compliance obligation during the years 2021 through 2023 37 may be met by surrendering offset credits. During these years, at least seventy-five percent of a covered entity's compliance Code Rev/ML:eab 20 S-4858.6/20 6th ROUGH DRAFT

obligation satisfied by offset credits must be sourced from offset projects that are located within the state of Washington or that provide direct environmental benefits in the state.

- (b) A total of no more than eight percent of a covered or opt-in entity's compliance obligation during the years 2024 through 2034 may be met by surrendering offset credits. During these years, at least ninety percent of a covered entity's compliance obligation satisfied by offset credits must be sourced from offset projects that are located within the state of Washington or that provide direct environmental benefits in the state.
- (c) The limits in (a) and (b) of this subsection may be modified by rules adopted by the department when appropriate to ensure achievement of the statewide emissions limits established in RCW 70.235.020 and to provide for alignment with other jurisdictions to which the state has entered or proposes to enter a linkage agreement. To the extent practicable, the department may not allow the net quantity of surrendered allowances and in-state offsets to exceed the total compliance obligation of all covered parties.
- (d) The department may by rule adopt additional restrictions on the number of offset credits that may be surrendered by a covered entity or opt-in entity that is geographically located within a nonattainment area and the operations of the entity substantially contributes to or causes the nonattainment of air quality standards.
- (4) In adopting protocols governing offset projects and covered and opt-in entities' use of offset credits, the department shall:
- (a) Take into consideration standards, rules, or protocols for offset projects and offset credits established by other states, provinces, and countries with programs comparable to the program established in this chapter;
- (b) Encourage opportunities for the development of offset projects in this state by adopting offset protocols that may include, but need not be limited to, protocols that make use of aggregation or other mechanisms to reduce transaction costs related to the development of offset projects;
- (c) Consult with and consider the recommendations of the advisory committee required by subsection (6) of this section, and the departments of agriculture, commerce, and natural resources, and other relevant agencies;
- 39 (d) Adopt a process for monitoring and invalidating offset 40 credits as necessary to ensure the credit reflects emissions Code Rev/ML:eab 21 S-4858.6/20 6th ROUGH DRAFT

- reductions or removals that continue to meet the standards required by subsection (1) of this section. If an offset credit is invalidated, the covered or opt-in entity must, within six months of the invalidation, surrender replacement credits or allowances to meet its compliance obligation. Failure to surrender the required credits or allowances is a violation subject to penalties as provided in section 16 of this act;
- 8 (e) Encourage opportunities for developing offset projects that 9 provide direct environmental benefits to the state and allow for the 10 broadest possible variety and types of projects;
  - (f) Regularly review and update offset protocols and support the development and inclusion of new protocols that offer compelling cobenefits to the state and impacted communities.
  - (5) The offset credit must be registered and tracked as a compliance instrument under section 19 of this act.
    - (6) The director shall appoint a compliance offsets protocol advisory committee to advise the department in adopting and updating rules governing offset projects and covered and opt-in entities' use of offset credits. The advisory committee shall provide guidance in developing protocols for the purposes of increasing offset projects with direct environmental benefits in this state while prioritizing projects that benefit highly impacted communities, Indian tribes, and natural and working lands. The director shall appoint at least one member to the advisory committee from each of the following groups:
    - (a) Scientists;

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- (b) Public health experts;
- (c) Carbon market experts;
- (d) Representatives of Indian tribes;
- 29 (e) A member of the environmental and economic justice panel 30 created in section 28 of this act;
  - (f) Labor and workforce representatives;
- 32 (g) Forestry experts;
  - (h) Agriculture experts;
  - (i) Environmental advocates;
- 35 (j) Conservation advocates;
- 36 (k) Dairy experts; and
- 37 (1) Covered entities.
- NEW SECTION. Sec. 15. COMPLIANCE REQUIREMENTS. (1) A covered or opt-in entity has a compliance obligation for its emissions during Code Rev/ML:eab

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- 1 each three-year compliance period, with the first compliance period
- 2 commencing January 1, 2021, except that the covered entities
- 3 designated in or pursuant to section 7 of this act have a compliance
- 4 obligation beginning with the compliance period commencing January 1,
- 5 2024. A covered or opt-in entity shall surrender a number of
- 6 compliance instruments equal to their allocated allowances under
- 7 section 4 of this act as follows:
- 8 (a) By November 1, 2022, and every three years thereafter by 9 November 1st, thirty percent of a covered or opt-in entities' 10 compliance obligation for the previous year's covered emissions must
- 11 be submitted.
- 12 (b) By November 1, 2023, and every three years thereafter by
- 13 November 1st, thirty percent of a covered or opt-in entities'
- 14 compliance obligation for the previous year's covered emissions must
- 15 be submitted.
- 16 (c) By November 1, 2024, and every three years thereafter by
- 17 November 1st, compliance instruments covering the remainder of their
- 18 emissions for the preceding three-year compliance period must be
- 19 submitted.
- 20 (d) Submission of allowances occurs through the transfer of
- 21 compliance instruments, on or before the surrender date, from the
- 22 holding account to the compliance account of the covered or opt-in
- 23 entity as described in section 19 of this act.
- 24 (2) A covered or opt-in entity submitting insufficient compliance
- 25 instruments to meet its compliance obligation is subject to a penalty
- 26 as provided in section 16 of this act.
- 27 (3) Surrendered allowances must be from an allowance budget year
- 28 that is from the current year or any previous compliance years. A
- 29 covered entity must surrender an allowance with the oldest vintage
- 30 year first.
- 31 (4) An emission allowance may be surrendered in the same
- 32 compliance period in which it is created or in a future compliance
- 33 year.
- 34 (5) In determining the eligibility of allowances toward future
- 35 compliance years, the department shall consider policies in other
- 36 jurisdictions and the optimal period of time in which banking
- 37 allowances benefits early action and limits price volatility.
- 38 (6) A covered or opt-in entity may not borrow an allowance from a
- 39 future allowance year to meet a current or past compliance
- 40 obligation.

- 1 (7) A covered or opt-in entity may bank allowances for use to 2 meet future compliance obligations consistent with subsections (3) 3 and (4) of this section.
  - (8) A compliance instrument representing an offset credit provided by an entity pursuant to section 14 of this act may be submitted to meet a compliance obligation.
  - (9) Upon receipt by the department of all compliance instruments surrendered by a covered or opt-in entity to meet its compliance obligation, the department shall retire the allowances or offset credits.
- <u>NEW SECTION.</u> **Sec. 16.** ENFORCEMENT. (1) If a covered or opt-in 11 entity does not submit sufficient allowances to meet its compliance 12 obligation by the specified surrender dates, a penalty of two hundred 13 dollars must be imposed for every one allowance that is missing. 14 15 Beginning with compliance year 2025, the penalty amount must be adjusted on an annual basis according to the rate of change of the 16 17 inflation indicator, gross domestic price deflator, as published by the bureau of economic analysis of the United States department of 18 commerce or its successor. 19
  - (2) The department may issue an order or issue a penalty of up to ten thousand dollars per day per violation, or both, for a violation of this chapter or the rules adopted under this chapter, including failure to remit the penalty imposed under subsection (1) of this section within six months of issuance of the notice of the penalty.
  - (3) Appeals of orders and penalties issued under this chapter must be to the pollution control hearings board under chapter 43.21B RCW.
- (4) For the first compliance period, the department may reduce the amount of the penalty by adjusting the monetary amount or the number of penalty allowances described in subsections (1) and (2) of this section.
- NEW SECTION. Sec. 17. LINKING TO PROGRAMS IN OTHER JURISDICTIONS. (1) The department shall seek to link with other jurisdictions with established market-based carbon emissions reduction programs in order to:
- 36 (a) Allow for the mutual use and recognition of compliance 37 instruments issued by Washington and other linked jurisdictions;

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- 1 (b) Broaden the carbon market to provide Washington businesses 2 with greater flexibility and opportunities for reduced costs to meet 3 their compliance obligations;
  - (c) Enable allowance auctions to be held jointly and provide for the use of a unified tracking system for compliance instruments;
    - (d) Enhance market security;

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- (e) Reduce program administration costs; and
- 8 (f) Provide consistent requirements for covered entities whose 9 operations span jurisdictional boundaries.
  - (2) The department is authorized to execute linkage agreements with other jurisdictions with established market-based carbon emissions reduction programs consistent with the requirements in this chapter and rules adopted by the department. The department must adopt a rule prior to executing a linkage agreement. The rule must be supported by peer-reviewed economic analysis of the impacts of the linkage agreement. A linkage agreement must cover the following:
  - (a) Provisions relating to quarterly auctions, including requirements for eligibility for auction participation, the use of a single auction provider to facilitate joint auctions, publication of auction-related information, processes for auction participation, purchase limits by auction participant type, bidding processes, dates of auctions, and financial requirements;
  - (b) Provisions related to holding limits to ensure no entities in any of the programs are disadvantaged relative to their counterparts in the other jurisdictions;
  - (c) Other requirements, such as greenhouse gas reporting and verification, offset protocols, criteria and process, and supervision and enforcement, to prevent fraud, abuse, and market manipulation;
  - (d) Common program registry, electronic auction platform, tracking systems for compliance instruments, and monitoring of compliance instruments;
  - (e) Provisions to ensure coordinated administrative and technical support;
    - (f) Provisions for public notice and participation; and
- 35 (g) Provisions to collectively resolve differences, amend the agreements, and delink or otherwise withdraw from the agreements.
- 37 (3) The state must retain legal and policymaking authority over 38 its program design and enforcement.

- NEW SECTION. Sec. 18. ALLOWANCE MARKET MONITORING AND OVERSIGHT. (1) The department shall contract with an independent organization to provide the following services relating to the functioning of the compliance instrument market:
  - (a) Creating a market monitoring and security plan;

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- 6 (b) Reviewing auction and reserve sale procedures and protocols
  7 to ensure fair and competitive auctions;
- 8 (c) Auditing and monitoring the auctions to assess the adherence 9 of participants and the auction operator to the adopted procedures 10 and protocols;
- 11 (d) Monitoring compliance instrument holding, transfer activity, 12 and secondary market behavior;
- 13 (e) Preparing reports on auction results, market activities, and 14 trends; and
  - (f) Reviewing program guidance documents, program rules, and other policies to mitigate market risk and improve the efficiency of the auctions and market activities.
    - (2) The department shall coordinate with existing state and federal market regulatory agencies, including the United States commodity futures trading commission, to ensure that all regulatory requirements for conducting trading in allowances are met. The department may consult with other jurisdictions administering emissions trading programs to observe and track market participant behavior across multiple emission trading venues.
    - (3) The department shall create a carbon markets advisory committee to provide advice and guidance to the department in the design and implementation of the emissions allowance auctions and compliance elements of the program authorized in this chapter. The committee must be composed of experts in emissions trading design with academic, nonprofit, governmental, private sector, or other relevant backgrounds. Committee members must not have a financial conflict with covered or opt-in entities or general market participants under the program authorized in this chapter. By July 1, 2022, and by July 1st every two years thereafter, the committee shall provide an independent assessment of the market monitoring functions and performance of the program.
- NEW SECTION. Sec. 19. ALLOWANCE TRADING AND TRACKING COMPLIANCE INSTRUMENTS. (1) The department shall use a secure, online electronic tracking system to: Register entities in the state program; issue Code Rev/ML:eab

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- compliance instruments; track ownership of compliance instruments; enable and record compliance instrument transfers; facilitate program compliance; and support market oversight. The department may use an existing market tracking system in use by jurisdictions to which it seeks to link programs.
  - (2) Covered and opt-in entities are each allowed two accounts:
  - (a) A compliance account where the allowances are transferred to the department for retirement. Allowances in compliance accounts may not be sold, traded, or transferred to another account or person.
  - (b) A holding account that is used when a registered entity is interested in trading allowances. Allowances in holding accounts may be bought, sold, or traded. The amount of allowances a registered entity may have in its holding account is constrained by the holding limit.
- 15 (3) Registered general market participants are each allowed an account, to hold, trade, sell, or surrender allowances.
- 17 (4) The department shall maintain an account for the purpose of 18 retiring allowances surrendered by registered entities.
- 19 (5) The department may establish or use other existing tracking 20 systems as needed for a functioning carbon market.
  - NEW SECTION. Sec. 20. PUBLIC RECORDS. In the administration of the program required by this chapter, the department shall ensure the protection from public disclosure of financial, commercial, and proprietary information whose release would place the registered entity submitting the information at a competitive disadvantage. The department shall require any of its contractors working on the program to comply with the disclosure requirements of RCW 42.56.070 and 42.56.270. Nothing in this chapter affects the department's ability to release air quality data or emissions data pursuant to RCW 70.94.205.
- NEW SECTION. Sec. 21. CARBON POLLUTION REDUCTION ACCOUNT CREATED. (1) The carbon pollution reduction account is created in the state treasury. All receipts by the state from the distribution of allowances under sections 1 through 20 of this act must be deposited in the account. Moneys in the account may be spent only after appropriation. Moneys in the account must first be appropriated for the administration of chapter . . ., Laws of 2020 (this act).

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- 1 (2) Beginning July 1, 2021, and annually thereafter, the state 2 treasurer shall distribute funds in the account as follows:
- 3 (a) . . . . percent of the moneys to the energy transformation 4 account created in section 22 of this act;
- 5 (b) . . . . percent of the moneys to the energy transition 6 assistance account created in section 23 of this act;
- 7 (c) . . . . percent of the moneys to the climate impacts 8 resilience account created in section 27 of this act; and
- 9 (d) . . . . percent of the moneys to the strategic 10 transportation investment account created in section 31 of this act.
  - NEW SECTION. Sec. 22. ENERGY TRANSFORMATION ACCOUNT. (1) The energy transformation account is created in the state treasury. The account must receive moneys distributed to the account from the carbon pollution reduction account created in section 21 of this act, any penalty moneys received under section 14 of this act, as well as other moneys directed to the account by the legislature. Moneys in the account may only by spent after appropriation. Moneys in the account must be used by the department of commerce for projects and incentive programs that yield verifiable reductions in carbon pollution in excess of current practices.
- 21 (2) Projects and programs eligible for funding from the account 22 must be physically located in Washington state and include but are 23 not limited to the following:
  - (a) Programs, activities, or projects that deploy renewable energy resources, such as solar and wind power, and projects to deploy distributed generation, energy storage, demand side technologies and strategies, and other grid modernization projects;
  - (b) Programs, activities, or projects that increase the energy efficiency or reduce carbon emissions of industrial facilities including, but not limited to, proposals to implement combined heat and power, district energy, or on-site renewables, such as solar and wind power, to upgrade the energy efficiency of existing equipment, to reduce process emissions, and to switch to less carbon intensive fuel sources;
- 35 (c) Programs, activities, or projects that achieve energy 36 efficiency or emissions reductions in the agricultural sector 37 including fertilizer management, soil management, bioenergy, and 38 biofuels;

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(d) Programs, activities, or projects that increase energy efficiency and electrification in new and existing buildings, or that promote low-carbon architecture, including use of newly emerging alternative building materials that result in a lower carbon footprint in the built environment over the life cycle of the building and component building materials;

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- Programs, activities, or projects that improve efficiency, including district energy, and investments in market transformation of energy efficiency products; and
- Programs, activities, or projects that result 10 sequestration of carbon in forests, agricultural soils, and other 11 12 terrestrial and aquatic areas.
  - (3) Public entities including, but not limited to, state agencies, municipal corporations, and federally recognized Indian tribes, as well as private entities, both not-for-profit and forprofit, subject to constitutional limitations, are eligible to receive energy transformation account funds authorized by this section.
- (4) Projects, activities, and programs must meet all of the 19 following criteria to be eligible for funding. Emissions reductions 20 21 from the funding must be:
  - (a) Real, specific, identifiable, and quantifiable;
  - (b) Permanent: The department must survey other jurisdictions and make a reasonable determination on length of time recognizing the advantages of near-term reductions and the potential for future technology to mitigate the long-term release of greenhouse gas emissions into the atmosphere; and
  - (c) Verifiable. The projects funded under this section must demonstrate procurement from and contracts with women, minority, or veteran-owned businesses; procurement from and contracts with entities that have a history of complying with federal and state wage and hour laws and regulations; apprenticeship utilization; and preferred entry for workers living in the area where the project is being constructed.
- (5) Projects or activities funded under this section must meet 35 36 high labor standards, including family level wages, providing benefits including health care and pensions, and maximize access to 37 38 economic benefits from such projects for local workers and diverse 39 businesses. The projects funded under this section must demonstrate procurement from and contracts with women, minority, or veteran-owned 40 Code Rev/ML:eab 29

- businesses; procurement from and contracts with entities that have a history of complying with federal and state wage and hour laws and regulations; apprenticeship utilization; and preferred entry for workers living in the area where the project is being constructed.
  - (6) Funding may be provided for incremental carbon reductions from projects that have already secured funding, but can furnish more carbon reductions with additional resources.
  - (7) Recipients of funding for projects must submit to the department a progress report at a date or dates to be determined by the department. The progress report must include the following, in addition to any other information the department may require:
  - (a) A summary of the investments made and technology or other changes installed and deployed; and
  - (b) Verification of the avoided greenhouse gas emissions since the date of the signed contract or the last report from a qualified third party, as identified by the department of commerce. The qualified third party must report on:
  - (i) Whether the project was built or implemented according to the proposed design and any protocols or methodologies that were referenced in the proposal, as approved in the funding contract;
  - (ii) A verification plan that details the methods used to evaluate the project;
- 23 (iii) Their review of the recipient's accounting of current and 24 projected emissions reductions;
  - (iv) The site visits conducted by verifiers; and
  - (v) Any additional data the department identifies by rule to sufficiently evaluate the project and to provide the highest level of integrity and verification for the emissions reductions.
  - (8) The department must design project funding contracts, monitor project implementation, and track contract performance, to actively assist the project proponent in securing the expected project outcomes. The department may suspend or terminate funding when projects do not achieve projected reductions as provided in the funding agreement and, in cases of gross misuse of funds, may require a return of grant funding.
- 36 (9) A minimum of ten percent of the total investment of funds 37 from the energy transformation account must fund programs, 38 activities, or projects that are located within the boundaries of 39 highly impacted areas identified pursuant to section 25 of this act.

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- (10) The department must develop an electronic database available to the public to track projects and incentive programs receiving funding under this section. Projects must be ranked and sortable based on quantitative performance metrics, including the avoided cost of a ton of carbon dioxide.
- The department must develop an implementation plan for providing funding under this section. The implementation plan, together with recommendations for appropriations and recommended legislative action, must be provided to the climate oversight board created in section 30 of this act and to the governor and appropriate committees of the senate and house of representatives by December 31, 2020.
- 13 NEW SECTION. Sec. 23. ENERGY TRANSITION ASSISTANCE ACCOUNT. The energy transition assistance account is created in the state 14 15 treasury. The account must receive moneys distributed to the account from the carbon pollution reduction account created in section 21 of 16 17 this act as well as other moneys directed to the account by the legislature. Moneys in the account may only be 18 spent after appropriation. Moneys in the account may only be used for the 19 20 purposes described in sections 24 and 26 of this act.
  - Sec. 24. ENERGY TRANSITION ASSISTANCE TO LOW-NEW SECTION. INCOME HOUSEHOLDS. (1) Using funds appropriated from the account created in section 23 of this act, the department of commerce must provide for an equitable transition to a clean energy economy by providing funding to assist low-income households during that transition with increased energy prices that have a disproportionate impact upon such households, tribal members, and vulnerable communities, and to provide access to clean energy and low-carbon housing, transportation options, and technologies to those with greater barriers and where pollution is concentrated. Funding must also be provided to displaced fossil fuel-related industry workers.
  - (2) Funding must be prioritized to mitigate for the additional energy and transportation costs borne by low-income persons as a result of this chapter and other policies and programs that reduce fossil fuels in the state's energy fuel mix. Funding must also be prioritized to provide assistance to displaced fossil fuel-related industries' workers as provided under section 26 of this act. Remaining funds must be used to reduce carbon pollution and reduce

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- vulnerable population characteristics or environmental burdens in highly impacted communities designated by the department of health under section 25 of this act.
- 4 (3) Transition assistance may include direct financial assistance 5 in the form of a grant, subsidy, rebate, or other similar financial 6 benefit or product including:
  - (a) Expansion of or increases to existing programs and authorizations administered by the department of social and health services;
- 10 (b) Expansion of or increases to existing regional community 11 health programs administered by the health care authority;
- 12 (c) New programs that efficiently enable direct financial 13 assistance; or
  - (d) Energy bill pay subsidies, energy efficiency and weatherization assistance and services, public health programs and services, affordable transportation services and options, affordable housing, and improved community services.
  - (4) The department must develop an implementation plan for providing assistance under this section. The implementation plan, together with recommendations for appropriations and recommended legislative action, must be provided to the climate oversight board created in section 30 of this act and to the governor and appropriate committees of the senate and house of representatives by December 31, 2021.
  - (5) The department must consult with and accord substantial weight to the recommendations of the environmental and economic justice panel created in section 28 of this act, both in the development of the implementation plan and in developing biennial spending plans for assistance to be provided from funds from the account.
- 31 (6) As used in the section, "low-income households" means those 32 Washington residents with an annual income, adjusted for household 33 size, that are at or below the greater of:
  - (a) Eighty percent of the area median income as reported by the federal department of housing and urban development; or
- 36 (b) Two hundred percent of the federal poverty line; and all members of an Indian tribe who meet the income-based criteria for other means-tested benefits through formal resolution by the governing council of an Indian tribe.

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NEW SECTION. Sec. 25. IDENTIFICATION OF HIGHLY IMPACTED COMMUNITIES. (1) The department of health, as required under RCW 19.405.140, must designate highly impacted communities at the census tract level after completing a statewide analysis of environmental disparities and their cumulative impacts on communities.

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- 6 (2) By March 1, 2024, and every two years thereafter, the department of health, under advisement from the environmental and 7 economic justice panel created in section 28 of this act, must update 8 communities designated as highly impacted communities pursuant to 9 this section. By March 1, 2025, and every four years thereafter, the 10 11 department of health must review and consider revisions to reflect 12 best practices, to the methodology used to analyze environmental disparities for designating highly impacted communities. 13
- FOSSIL FUEL INDUSTRY WORKER ASSISTANCE. 14 NEW SECTION. Sec. 26. 15 (1) From funds appropriated from the energy transition assistance account created in section 23 of this act, the department of commerce 16 17 must develop a worker support program for bargaining unit and nonsupervisory fossil fuel industry workers who are affected by the 18 transition away from fossil fuels to a clean energy economy. The 19 department, in consultation with the environmental and economic 20 justice panel created in section 28 of this act, may allocate 21 22 additional funding, if necessary to meet the needs of eligible workers in the event of unforeseen or extraordinary amounts 23 24 dislocation.
  - (2) The department must develop an implementation plan for investments to be made to assist displaced fossil fuel industry workers. The department must consult with and accord substantial weight to the recommendations of the environmental and economic justice panel created in section 28 of this act, both in the development of the implementation plan and in developing biennial spending plans for assistance to be provided with funds from the account. The investment plan must be completed by December 31, 2020, and provided to the climate oversight board created in section 30 of this act, and to the governor and appropriate committees of the senate and house of representatives.
- NEW SECTION. Sec. 27. CLIMATE IMPACTS RESILIENCE ACCOUNT. (1)
  The climate impacts resilience account is created in the state
  treasury. The account must receive moneys distributed to the account
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- 1 from the carbon pollution reduction account created in section 21 of
- 2 this act as well as other moneys directed to the account by the
- 3 legislature. Moneys in the account may only be spent after
- 4 appropriation.

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- 5 (2) On a biennial basis, at least half of the funds from the account must be used for the following purposes:
  - (a) Enhancing community preparedness and awareness before, during, and after wildfires;
- 9 (b) Developing and implementing resources to support fire 10 suppression, prevention, and recovery for tribal communities impacted 11 or at risk from wildfires;
- 12 (c) Relocating communities on tribal lands that are impacted by 13 flooding and sea level rise; and
  - (d) Developing and implementing education programs to expand awareness of and increase preparedness for the environmental, social, and economic impacts of climate change and strategies to reduce pollution.
  - (3) The remainder of the funds appropriated from the account must be used for natural resources resilience and related purposes including, but not limited to:
  - (a) Improving forest and natural lands health and resilience to climate change impacts, including thinning and prescribed fire project and wildland fire prevention;
  - (b) Project-specific planning, design, and construction projects that reduce stormwater impacts from existing infrastructure and development;
  - (c) Reducing the risk of flooding by restoring natural floodplain ecological functions, protecting against damage caused by floods, and protecting or restoring naturally functioning areas where floods occur;
- 31 (d) Improving the availability and reliability of water supplies 32 for instream and out-of-stream uses;
  - (e) Projects to prepare for sea level rise and to restore and protect estuaries, fisheries, marine shoreline, and inland habitats, including small forestland owner fish passage barrier projects; and
- 36 (f) Increasing the ability to adapt to and remediate the impacts 37 of ocean acidification.
- 38 (4) The departments of ecology and natural resources through an 39 interagency agreement must jointly develop an implementation plan for 40 investments to be made from the climate impacts resilience account.

- 1 The departments must consult with and accord substantial weight to the recommendations of the environmental and economic justice panel 2 3 created in section 28 of this act, both in the development of the implementation plan and in developing biennial spending plans for 4 assistance to be provided with funds from the account. The investment 5 6 plan must be completed by December 31, 2020, and provided to the climate oversight board created in section 30 of this act, and to the 7 governor and appropriate committees of the senate and house of 8 9 representatives.
- 10 (5) The departments must utilize the cumulative impact analysis 11 in section 25 of this act when developing the implementation plan and 12 prioritize funding and investments to benefit highly impacted 13 communities.
  - (6) The departments must require annual progress reports by all recipients of funding under this section, and provide summaries of those reports and assessment of achievement of the performance-based criteria and objectives to the climate oversight board created in section 30 of this act at such intervals as the climate oversight board requests.

## 20 <u>NEW SECTION.</u> **Sec. 28.** ENVIRONMENTAL AND ECONOMIC JUSTICE PANEL.

- (1) An environmental and economic justice panel is established to provide recommendations in the development and implementation of the programs on energy transformation, transition assistance, and climate impacts resilience authorized under sections 22 through 27 of this act.
- (2) The governor must appoint the members of the environmental and economic justice panel, which must be cochaired by one tribal leader and one person that is a representative of the interests of highly impacted communities identified in section 25 of this act. The membership of the panel must consist of at least nine persons, based on the nomination of statewide organizations that represent the following interests:
- (a) Five members, including at least one tribal leader and at least two nontribal leaders representing the interests of vulnerable populations residing in highly impacted communities in different geographic areas of the state;
- 37 (b) Two members representing union labor with expertise in 38 economic dislocation, clean energy economy, or energy-intensive, 39 trade-exposed facilities; and

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- 1 (c) Two members representing tribal governments.
  - (3) The purpose of the panel is to:

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- 3 (a) Provide recommendations in the development of investment plans and funding proposals for energy transformation, energy 4 transition assistance, and climate impacts resilience under sections 5 6 22 through 27 of this act;
  - (b) Provide a forum to analyze policies adopted under this chapter to determine if the policies lead to improvements within highly impacted communities;
- Make recommendations on the environmental disparities 10 11 analysis and highly impacted communities designation required by 12 section 25 of this act;
  - (d) Recommend procedures and criteria for evaluating programs, activities, or projects for review;
  - (e) Evaluate the level of funding provided to assist vulnerable populations, low-income individuals, and displaced workers and the funding of projects and activities located within or benefiting highly impacted communities designated under section 25 of this act;
  - (f) Provide recommendations to implementation agencies for meaningful consultation with vulnerable populations; and
  - (g) At the request of the climate oversight board created in section 30 of this act, conduct an evaluation of the economic impacts on and outcomes for low and middle-income households and vulnerable populations, including communities of color and Indian tribal communities of the emissions reduction policies required in this chapter and the financial assistance provided under this chapter.
- 27 NEW SECTION. Sec. 29. INDIAN TRIBE CONSULTATION. (1) In order 28 to achieve the goals set forth in this chapter, any state agency receiving funding from the accounts created in this chapter must 29 30 consult with Indian tribes on all decisions that may affect Indian tribes' rights and interests in their tribal lands. The consultation 31 must occur pursuant to chapter 43.376 RCW and must be independent of 32 any public participation process required by state law, or by a state 33 34 agency, and regardless of whether the agency receives a request for consultation from an Indian tribe. A consultation framework must be 35 developed in coordination with tribal governments that includes best 36 practices, protocols for communication, and collaboration with Indian 37 38 tribes.

- 1 (2) No project that impacts tribal lands may be funded prior to meaningful consultation with affected Indian tribes. For projects 2 that directly impact tribal lands, the goal of the consultation 3 process is to obtain free, prior, and informed consent for the 4 project, and at the end of such consultation, the Indian tribe's 5 6 government will provide the climate oversight board created in section 30 of this act with a written resolution providing consent or 7 withholding consent. If any project that impacts tribal lands is 8 funded under this chapter without consultation with Indian tribes, an 9 affected Indian tribe may request that all further action on the 10 11 project cease until consultation with any directly impacted Indian tribe is completed. 12
- NEW SECTION. Sec. 30. CLIMATE OVERSIGHT BOARD. (1) The climate oversight board is created. The climate oversight board consists of:
  - (a) The governor or the governor's designee;

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- 16 (b) The commissioner of public lands or the commissioner's designee;
  - (c) The state auditor or the auditor's designee;
- 19 (d) Two members of the senate, appointed by the president of the 20 senate, one from each major political party;
- 21 (e) Two members of the house of representatives, appointed by the 22 speaker of the house of representatives, one from each major 23 political party;
  - (f) Two members representing federally recognized Indian tribes must be invited to participate on the board;
  - (g) Representatives of stationary emissions sources, the transportation fuels sector, the electricity and gas distribution sectors, renewable energy production, climate action organizations, and a member of the environmental and economic justice panel created in section 28 of this act; and
- 31 (h) Persons with economic, environmental, and energy expertise 32 and experience in greenhouse gas emissions reductions policies and 33 programs.
  - (2) The climate oversight board must select a chair from among its members. All state agencies must provide information and assistance as requested by the board in order to perform its responsibilities.
- 38 (3) The climate oversight board is responsible for ongoing review 39 of the implementation of the emissions reduction program and funding Code Rev/ML:eab 37 S-4858.6/20 6th ROUGH DRAFT

- 1 from the revenues of the auctions of allowances to ensure the
- 2 fairest, most efficient, and timely achievement of the objectives in
- 3 this chapter regarding greenhouse gas emissions reductions,
- 4 transition assistance, jobs development, and climate resilience. The
- 5 board's responsibilities include but are not limited to:

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- 6 (a) Reviewing the plans for implementing the funding programs
  7 authorized in sections 22 through 27 of this act;
- 8 (b) Reviewing the criteria for funding allocations and project 9 award decisions;
  - (c) Reviewing project and activity funding decisions as well as summary reports and information regarding implementing projects;
    - (d) Reviewing implementation progress reports by agencies;
    - (e) Reviewing compliance with consultation requirements;
- (f) Providing recommendations for standards by which to measure emissions reductions outcomes from investments of funds under sections 22 through 27 of this act; and
  - (g) Providing recommendations on the use of moneys made available for transportation projects, including assessing the cumulative emission reductions associated with investments and strategies to increase the cost-effectiveness of investments on a dollar-per-ton basis.
- 22 (4) The climate oversight board may contract for independent 23 evaluative expertise in its review of the performance of the program 24 in meeting this chapter's objectives regarding greenhouse gas 25 emissions reductions, energy transformation, energy transition 26 assistance, and climate resilience.
- 27 (5) Beginning July 1, 2020, the climate oversight board must meet 28 at least quarterly.
- 29 (6) The climate oversight board has no appropriation authority.
- 30 NEW SECTION. Sec. 31. STRATEGIC TRANSPORTATION INVESTMENT The strategic transportation investment account is 31 ACCOUNT. (1) created in the state treasury. The account must receive moneys 32 distributed to the account from the carbon pollution reduction 33 account created in section 21 of this act and any other moneys 34 directed to the account by the legislature. Moneys in the account may 35 only be spent after appropriation. Moneys in the account must be used 36 for transportation strategies that provide cost-effective congestion 37 relief, enhance all modes of mobility, assist vulnerable populations 38 and low-income individuals located within or benefiting highly 39 Code Rev/ML:eab 38 S-4858.6/20 6th ROUGH DRAFT

- 1 impacted communities designated under section 25 of this act, and 2 address the impacts of the transportation system on carbon pollution
- 3 and other quality of life issues, including impacts to salmon 4 populations.
- 5 (2) Projects and programs eligible for funding from the account 6 include but are not limited to the following:
  - (a) Projects that efficiently reduce congested roads and highways and thereby improve air quality, including multimodal alternatives;
- 9 (b) Programs, activities, or projects that reduce carbon 10 emissions in the transportation sector, including projects and 11 programs that accelerate the deployment of zero emission fleets and 12 vehicles, and deploy grid infrastructure to integrate electric 13 vehicles and charging equipment; and
- (c) Construction of fish barrier correction projects on state highways and local roads, with first priority given to projects required by the injunction entered in *United States v. Washington* (Civ No CV9213RSM).
- NEW SECTION. Sec. 32. This act may be known and cited as the carbon pollution reduction act.
- NEW SECTION. Sec. 33. (1) Sections 1 through 31 of this act expire December 31, 2055, in the event that the department of ecology determines that the 2050 emissions limits of RCW 70.235.020 have been met for two or more consecutive years.
- (2) Upon the occurrence of the events identified in subsection (1) of this section, the department of ecology must provide written notice of the expiration date of sections 1 through 31 of this act to affected parties, the chief clerk of the house of representatives, the secretary of the senate, the office of the code reviser, and others as deemed appropriate by the department.
- 30 <u>NEW SECTION.</u> **Sec. 34.** Sections 1 through 33 of this act 31 constitute a new chapter in Title 70 RCW.
- NEW SECTION. Sec. 35. (1) In order to ensure adequate funding for transportation needs in the future and to augment the revenue increase from this act with the other needed resources for transportation infrastructure investments, sections 1 through 33 of

- this act do not take effect until an additive transportation funding act is enacted after January 1, 2020.
  - (2) For the purposes of this section, "additive transportation funding act" means an act in which the combined total of new revenues deposited into the motor vehicle fund and the multimodal transportation account exceed two billion dollars per biennium attributable solely to an increase in revenue from the enactment of the act.
- 9 (3) The director of the department of ecology must provide 10 written notice of the effective date of sections 1 through 33 of this 11 act to affected parties, the chief clerk of the house of 12 representatives, the secretary of the senate, the office of the code 13 reviser, and others as deemed appropriate by the department of 14 ecology.
- NEW SECTION. Sec. 36. If any provision of this act or its application to any person or circumstance is held invalid, the remainder of the act or the application of the provision to other persons or circumstances is not affected.

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