- 2 **SHB 2939** S AMD 288
- 3 By Senators Eide, Swecker, Fraser and Morton
- 4 ADOPTED 3/9/00
- 5 Strike everything after the enacting clause and insert the
- 6 following:
- 7 "NEW SECTION. Sec. 1. (1) The department of general
- 8 administration shall work with commercial and industrial construction
- 9 industry organizations to develop guidelines for implementing on-site
- 10 construction waste management planning. The topics addressed in the
- 11 guidelines shall include, but shall not be limited to:
- 12 (a) Standards for identifying the type of wastes generated during
- 13 construction;
- 14 (b) Methods for analyzing the availability and cost-effectiveness
- 15 of recycling services for each type of waste;
- 16 (c) Methods for evaluating construction waste management
- 17 alternatives given limited recycling services in rural areas of the
- 18 state;
- 19 (d) Strategies to maximize reuse and recycling of wastes and
- 20 minimize landfill disposal;
- 21 (e) Standardized formats for on-site construction waste management
- 22 planning and reporting documents; and
- 23 (f) A training and technical assistance plan for public and private
- 24 building owners and construction industry members, in order to
- 25 facilitate incorporation of waste management planning and recycling
- 26 into standard construction industry practice.
- 27 (2) By December 15, 2000, the department of general administration
- 28 shall provide a report to the legislature on the development of the
- 29 guidelines required by subsection (1) of this section. The report
- 30 shall include recommendations for incorporating job-site waste
- 31 management planning and recycling into standard construction industry
- 32 practice.
- 33 **Sec. 2.** RCW 43.19A.020 and 1996 c 198 s 1 are each amended to read
- 34 as follows:

- (1) The ((USEPA)) federal product standards, ((as now or hereafter 1 amended)) adopted under 42 U.S.C. Sec. 6962(e) as it exists on the 2 3 effective date of this act, are adopted as the minimum standards for 4 the state of Washington. These standards shall be implemented for at least the products listed in (((a) and (b) of)) this subsection ((by)5 the dates indicated)), unless the director finds that a different 6 7 standard would significantly increase recycled product availability or 8 competition.
- 9 (a) ((By July 1, 1997:
- 10 (i))) Paper and paper products;
- 11 (((ii))) <u>(b)</u> Organic recovered materials; ((and
- 12 (iii))) (c) Latex paint products;
- 13 (((b) By July 1, 1997:
- 14 (i))) (d) Products for lower value uses containing recycled 15 plastics;
- 16 (((ii))) <u>(e)</u> Retread and remanufactured tires;
- 17 $((\frac{(iii)}{)}))$ (f) Lubricating oils;
- 18 $((\frac{\text{(iv)}}{\text{)}}))$ (q) Automotive batteries;
- 19 (((v))) <u>(h)</u> Building ((insulation)) <u>products and materials</u>;
- $((\frac{(vi)}{(vi)}))$ (i) Panelboard; and
- 21 (((vii))) <u>(i)</u> Compost products.
- 22 (2) By July 1, 2001, the director shall adopt product standards for
- 23 <u>strawboard manufactured using as an ingredient straw that is produced</u> 24 as a by-product in the production of cereal grain or turf or grass
- 25 seed.
- 26 (3) The standards required by this section shall be applied to
- 27 recycled product purchasing by the department and other state agencies.
- 28 The standards may be adopted or applied by any other local government
- 29 in product procurement. The standards shall provide for exceptions
- 30 under appropriate circumstances to allow purchases of recycled products
- 31 that do not meet the minimum content requirements of the standards.
- 32 **Sec. 3.** RCW 39.04.133 and 1996 c 198 s 5 are each amended to read
- 33 as follows:
- 34 (1) The state's preferences for the purchase and use of recycled
- 35 content products shall be included as a factor in the design and
- 36 development of state capital improvement projects.
- 37 (2) ((Specifications for materials in state construction projects
- 38 shall include the use of recycled content products and recyclable

- 1 products whenever practicable)) If a construction project receives
- 2 state public funding, the product standards, as provided in RCW
- 3 43.19A.020, shall apply to the materials used in the project, whenever
- 4 the administering agency and project owner determine that such products
- 5 would be cost-effective and are readily available.
- 6 (3) This section does not apply to contracts entered into by a 7 municipality.
- 8 **Sec. 4.** RCW 70.95.010 and 1989 c 431 s 1 are each amended to read 9 as follows:
- 10 The legislature finds:
- (1) Continuing technological changes in methods of manufacture, packaging, and marketing of consumer products, together with the economic and population growth of this state, the rising affluence of its citizens, and its expanding industrial activity have created new and ever-mounting problems involving disposal of garbage, refuse, and solid waste materials resulting from domestic, agricultural, and industrial activities.
- 18 (2) Traditional methods of disposing of solid wastes in this state 19 are no longer adequate to meet the ever-increasing problem. Improper 20 methods and practices of handling and disposal of solid wastes pollute 21 our land, air and water resources, blight our countryside, adversely 22 affect land values, and damage the overall quality of our environment.
- 23 (3) Considerations of natural resource limitations, energy 24 shortages, economics and the environment make necessary the development 25 and implementation of solid waste recovery and/or recycling plans and 26 programs.
- (4) Waste reduction must become a fundamental strategy of solid waste management. It is therefore necessary to change manufacturing and purchasing practices and waste generation behaviors to reduce the amount of waste that becomes a governmental responsibility.
- 31 (5) Source separation of waste must become a fundamental strategy 32 of solid waste management. Collection and handling strategies should 33 have, as an ultimate goal, the source separation of all materials with 34 resource value or environmental hazard.
- 35 (6)(a) It ((is the responsibility)) should be the goal of every 36 person to minimize his or her production of wastes and to separate 37 recyclable or hazardous materials from mixed waste.

- (b) It is the responsibility of state, county, and city governments 1 2 to provide for a waste management infrastructure to fully implement waste reduction and source separation strategies and to process and 3 4 dispose of remaining wastes in a manner that is environmentally safe 5 and economically sound. It is further the responsibility of state, county, and city governments to monitor the cost-effectiveness and 6 7 environmental safety of combusting separated waste, processing mixed 8 waste, and recycling programs.
- 9 (c) It is the responsibility of county and city governments to 10 assume primary responsibility for solid waste management and to develop 11 and implement aggressive and effective waste reduction and source 12 separation strategies.
- (d) It is the responsibility of state government to ensure that 13 14 local governments are providing adequate source reduction and 15 separation opportunities and incentives to all, including persons in 16 both rural and urban areas, and nonresidential waste generators such as commercial, industrial, and institutional entities, recognizing the 17 need to provide flexibility to accommodate differing population 18 19 densities, distances to and availability of recycling markets, and 20 collection and disposal costs in each community; and to provide county and city governments with adequate technical resources to accomplish 21 22 this responsibility.
- (7) Environmental and economic considerations in solving the state's solid waste management problems requires strong consideration by local governments of regional solutions and intergovernmental cooperation.
- 27 (8) The following priorities for the collection, handling, and 28 management of solid waste are necessary and should be followed in 29 descending order as applicable:
 - (a) Waste reduction;

- 31 (b) Recycling, with source separation of recyclable materials as 32 the preferred method;
- 33 (c) Energy recovery, incineration, or landfill of separated waste;
- 34 (d) Energy recovery, incineration, or landfilling of mixed wastes.
- 35 (9) It is the state's goal to achieve a fifty percent recycling 36 rate by ((1995)) 2005.
- 37 (10) <u>It is the state's goal that programs be established to</u> 38 eliminate residential or commercial yard debris in landfills by 2010.

- 1 (11) Steps should be taken to make recycling at least as affordable 2 and convenient to the ratepayer as mixed waste disposal.
- 3 (((11))) <u>(12)</u> It is necessary to compile and maintain adequate data 4 on the types and quantities of solid waste that are being generated and 5 to monitor how the various types of solid waste are being managed.
- $((\frac{12}{12}))$ (13) Vehicle batteries should be recycled and the disposal of vehicle batteries into landfills or incinerators should be discontinued.
- 9 $((\frac{13}{13}))$ <u>(14)</u> Excessive and nonrecyclable packaging of products 10 should be avoided.
- 11 (((14))) <u>(15)</u> Comprehensive education should be conducted 12 throughout the state so that people are informed of the need to reduce, 13 source separate, and recycle solid waste.
- (((15))) <u>(16)</u> All governmental entities in the state should set an example by implementing aggressive waste reduction and recycling programs at their workplaces and by purchasing products that are made from recycled materials and are recyclable.
- (((16))) <u>(17)</u> To ensure the safe and efficient operations of solid waste disposal facilities, it is necessary for operators and regulators of landfills and incinerators to receive training and certification.
- 21 (((17))) <u>(18)</u> It is necessary to provide adequate funding to all 22 levels of government so that successful waste reduction and recycling 23 programs can be implemented.
 - ((\(\frac{(18)}{18}\))) (19) The development of stable and expanding markets for recyclable materials is critical to the long-term success of the state's recycling goals. Market development must be encouraged on a state, regional, and national basis to maximize its effectiveness. The state shall assume primary responsibility for the development of a multifaceted market development program to carry out the purposes of this act.
- (((19))) <u>(20)</u> There is an imperative need to anticipate, plan for, and accomplish effective storage, control, recovery, and recycling of discarded tires and other problem wastes with the subsequent conservation of resources and energy.
- 35 **Sec. 5.** RCW 70.95.030 and 1998 c 36 s 17 are each amended to read as follows:
- 37 As used in this chapter, unless the context indicates otherwise:
- 38 (1) "City" means every incorporated city and town.

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- 1 (2) "Commission" means the utilities and transportation commission.
 - (3) "Committee" means the state solid waste advisory committee.
- 3 (4) "Composted material" means organic solid waste that has been 4 subjected to controlled aerobic degradation at a solid waste facility 5 in compliance with the requirements of this chapter. Natural decay of 6 organic solid waste under uncontrolled conditions does not result in 7 composted material.
 - (5) "Department" means the department of ecology.

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- 9 (6) "Director" means the director of the department of ecology.
- 10 (7) "Disposal site" means the location where any final treatment, 11 utilization, processing, or deposit of solid waste occurs.
- 12 (8) "Energy recovery" means a process operating under federal and 13 state environmental laws and regulations for converting solid waste 14 into usable energy and for reducing the volume of solid waste.
- 15 (9) "Functional standards" means criteria for solid waste handling 16 expressed in terms of expected performance or solid waste handling 17 functions.
- (10) "Incineration" means a process of reducing the volume of solid waste operating under federal and state environmental laws and regulations by use of an enclosed device using controlled flame combustion.
- 22 (11) "Jurisdictional health department" means city, county, city-23 county, or district public health department.
- (12) "Landfill" means a disposal facility or part of a facility at which solid waste is placed in or on land and which is not a land treatment facility.
 - (13) "Local government" means a city, town, or county.
- 28 (14) "Modify" means to substantially change the design or 29 operational plans including, but not limited to, removal of a design 30 element previously set forth in a permit application or the addition of 31 a disposal or processing activity that is not approved in the permit.
- 32 (15) "Multiple family residence" means any structure housing two or 33 more dwelling units.
- (16) "Person" means individual, firm, association, copartnership, political subdivision, government agency, municipality, industry, public or private corporation, or any other entity whatsoever.
- 37 (17) "Recyclable materials" means those solid wastes that are 38 separated for recycling or reuse, such as papers, metals, and glass, 39 that are identified as recyclable material pursuant to a local

- 1 comprehensive solid waste plan. Prior to the adoption of the local
- 2 comprehensive solid waste plan, adopted pursuant to RCW 70.95.110(2),
- 3 local governments may identify recyclable materials by ordinance from
- 4 July 23, 1989.
- 5 (18) "Recycling" means transforming or remanufacturing waste
- 6 materials into usable or marketable materials for use other than
- 7 landfill disposal or incineration.
- 8 (19) "Residence" means the regular dwelling place of an individual
- 9 or individuals.
- 10 (20) "Sewage sludge" means a semisolid substance consisting of
- 11 settled sewage solids combined with varying amounts of water and
- 12 dissolved materials, generated from a wastewater treatment system, that
- 13 does not meet the requirements of chapter 70.95J RCW.
- 14 (21) "Soil amendment" means any substance that is intended to
- 15 improve the physical characteristics of the soil, except composted
- 16 material, commercial fertilizers, agricultural liming agents,
- 17 unmanipulated animal manures, unmanipulated vegetable manures, food
- 18 wastes, food processing wastes, and materials exempted by rule of the
- 19 department, such as biosolids as defined in chapter 70.95J RCW and
- 20 wastewater as regulated in chapter 90.48 RCW.
- 21 (22) "Solid waste" or "wastes" means all putrescible and
- 22 nonputrescible solid and semisolid wastes including, but not limited
- 23 to, garbage, rubbish, ashes, industrial wastes, swill, sewage sludge,
- 24 demolition and construction wastes, abandoned vehicles or parts
- 25 thereof, and recyclable materials.
- 26 (23) "Solid waste handling" means the management, storage,
- 27 collection, transportation, treatment, utilization, processing, and
- 28 final disposal of solid wastes, including the recovery and recycling of
- 29 materials from solid wastes, the recovery of energy resources from
- 30 solid wastes or the conversion of the energy in solid wastes to more
- 31 useful forms or combinations thereof.
- 32 (24) "Source separation" means the separation of different kinds of
- 33 solid waste at the place where the waste originates.
- 34 (25) "Vehicle" includes every device physically capable of being
- 35 moved upon a public or private highway, road, street, or watercourse
- 36 and in, upon, or by which any person or property is or may be
- 37 transported or drawn upon a public or private highway, road, street, or
- 38 watercourse, except devices moved by human or animal power or used
- 39 exclusively upon stationary rails or tracks.

- 1 (26) "Waste-derived soil amendment" means any soil amendment as 2 defined in this chapter that is derived from solid waste as defined in 3 RCW 70.95.030, but does not include biosolids or biosolids products 4 regulated under chapter 70.95J RCW or wastewaters regulated under 5 chapter 90.48 RCW.
- 6 (27) "Waste reduction" means reducing the amount or toxicity of 7 waste generated or reusing materials.
- 8 (28) "Yard debris" means plant material commonly created in the
- 9 course of maintaining yards and gardens, and through horticulture,

gardening, landscaping, or similar activities. Yard debris includes

- 11 but is not limited to grass clippings, leaves, branches, brush, weeds,
- 12 <u>flowers</u>, roots, windfall fruit, vegetable garden debris, holiday trees,
- 13 and tree prunings four inches or less in diameter.

- 14 **Sec. 6.** RCW 70.95.090 and 1991 c 298 s 3 are each amended to read 15 as follows:
- 16 Each county and city comprehensive solid waste management plan 17 shall include the following:
- 18 (1) A detailed inventory and description of all existing solid 19 waste handling facilities including an inventory of any deficiencies in 20 meeting current solid waste handling needs.
- 21 (2) The estimated long-range needs for solid waste handling 22 facilities projected twenty years into the future.
- 23 (3) A program for the orderly development of solid waste handling 24 facilities in a manner consistent with the plans for the entire county 25 which shall:
- 26 (a) Meet the minimum functional standards for solid waste handling 27 adopted by the department and all laws and regulations relating to air 28 and water pollution, fire prevention, flood control, and protection of 29 public health;
- 30 (b) Take into account the comprehensive land use plan of each 31 jurisdiction;
- (c) Contain a six year construction and capital acquisition programfor solid waste handling facilities; and
- (d) Contain a plan for financing both capital costs and operational
 expenditures of the proposed solid waste management system.
- 36 (4) A program for surveillance and control.

- 1 (5) A current inventory and description of solid waste collection 2 needs and operations within each respective jurisdiction which shall 3 include:
- 4 (a) Any franchise for solid waste collection granted by the 5 utilities and transportation commission in the respective jurisdictions 6 including the name of the holder of the franchise and the address of 7 his or her place of business and the area covered by the franchise;
- 8 (b) Any city solid waste operation within the county and the 9 boundaries of such operation;
- 10 (c) The population density of each area serviced by a city 11 operation or by a franchised operation within the respective 12 jurisdictions;
- 13 (d) The projected solid waste collection needs for the respective jurisdictions for the next six years.
- 15 (6) A comprehensive waste reduction and recycling element that, in 16 accordance with the priorities established in RCW 70.95.010, provides 17 programs that (a) reduce the amount of waste generated, (b) provide 18 incentives and mechanisms for source separation, and (c) establish 19 recycling opportunities for the source separated waste.
- 20 (7) The waste reduction and recycling element shall include the 21 following:
 - (a) Waste reduction strategies;

- (b) Source separation strategies, including:
- 24 (i) Programs for the collection of source separated materials from 25 residences in urban and rural areas. In urban areas, these programs 26 shall include collection of source separated recyclable materials from single and multiple family residences, unless the department approves 27 an alternative program, according to the criteria in the planning 28 29 quidelines. Such criteria shall include: Anticipated recovery rates 30 and levels of public participation, availability of environmentally sound disposal capacity, access to markets for recyclable materials, 31 unreasonable cost impacts on the ratepayer over the six-year planning 32 period, utilization of environmentally sound waste reduction and 33 recycling technologies, and other factors as appropriate. 34 areas, these programs shall include but not be limited to drop-off 35 boxes, buy-back centers, or a combination of both, at each solid waste 36 37 transfer, processing, or disposal site, or at locations convenient to the residents of the county. The drop-off boxes and buy-back centers 38 39 may be owned or operated by public, nonprofit, or private persons;

- (ii) Programs to monitor the collection of source separated waste 1 at nonresidential sites where there is sufficient density to sustain a 2 3 program;
- 4 (iii) Programs to collect yard waste, if the county or city 5 submitting the plan finds that there are adequate markets or capacity for composted yard waste within or near the service area to consume the 6 7 majority of the material collected; and
- 8 (iv) Programs to educate and promote the concepts of waste 9 reduction and recycling;
- (c) Recycling strategies, including a description of markets for 10 recyclables, a review of waste generation trends, a description of 11 12 waste composition, a discussion and description of existing programs 13 and any additional programs needed to assist public and private sector recycling, and an implementation schedule for the designation of 14 15 specific materials to be collected for recycling, and for the provision of recycling collection services; 16
- (d) Consideration of residential collection rate structures that 17 provide economic incentives for customers to reduce their level of 18 19 solid waste collection service and increase their participation in waste reduction, recycling, and yard waste collection programs. Any 20 jurisdiction that is a signatory to a comprehensive solid waste plan 21 that adopts residential incentive rates shall adopt ordinances to 22 implement rate structures that are consistent with the guidelines in 23 24 the comprehensive plans. The utilities and transportation commission is authorized to issue rules to implement this section for solid waste 25 26 companies regulated under Title 81 RCW; and
- 27 (e) Other information the county or city submitting the plan determines is necessary. 28
- 29 (8) An assessment of the plan's impact on the costs of solid waste The assessment shall be prepared in conformance with 30 guidelines established by the utilities and transportation commission. 31 The commission shall cooperate with the Washington state association of 32 counties and the association of Washington cities in establishing such
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- 34 guidelines.
- 35 (9) A review of potential areas that meet the criteria as outlined in RCW 70.95.165. 36
- 37 Sec. 7. RCW 70.95.290 and 1988 c 184 s 3 are each amended to read 38 as follows:

- 1 (1) The evaluation of the solid waste stream required in RCW 2 70.95.280 shall include the following elements:
- 3 (a) The department shall determine which management method for each 4 category of solid waste will have the least environmental impact; and
- 5 (b) The department shall evaluate the costs of various management 6 options for each category of solid waste, including a review of market 7 availability, and shall take into consideration the economic impact on 8 affected parties;
- 9 (c) Based on the results of (a) and (b) of this subsection, the 10 department shall determine the best management for each category of 11 solid waste. Different management methods for the same categories of 12 waste may be developed for different parts of the state.
- 13 (2) The department shall give priority to evaluating categories of solid waste that, in relation to other categories of solid waste, comprise a large volume of the solid waste stream or present a high potential of harm to human health. At a minimum the following categories of waste shall be evaluated:
- 18 (a) By January 1, 1989, yard ((waste)) debris and other 19 biodegradable materials, paper products, disposable diapers, and 20 batteries; ((and))
- (b) By January 1, 1990, metals, glass, plastics, styrofoam or rigid lightweight cellular polystyrene, and tires; and
- 23 (c) By January 1, 2004, construction, demolition, and land-clearing 24 debris, manure, and major food-processing wastes.
- 25 (3) The department is prohibited from adopting rules that mandate 26 best management practices for the categories of solid waste identified 27 in subsection (2) of this section.
- 28 **Sec. 8.** RCW 43.19.1905 and 1995 c 269 s 1402 are each amended to 29 read as follows:
- The director of general administration shall establish overall state policy for compliance by all state agencies, including educational institutions, regarding the following purchasing and material control functions:
- 34 (1) Development of a state commodity coding system, including 35 common stock numbers for items maintained in stores for reissue;
- 36 (2) Determination where consolidations, closures, or additions of 37 stores operated by state agencies and educational institutions should 38 be initiated;

- (3) Institution of standard criteria for determination of when and 1 2 where an item in the state supply system should be stocked;
- 3 (4) Establishment of stock levels to be maintained in state stores, 4 and formulation of standards for replenishment of stock;
- 5 (5) Formulation of an overall distribution and redistribution system for stock items which establishes sources of supply support for 6 7 all agencies, including interagency supply support;
- 8 (6) Determination of what function data processing equipment, 9 including remote terminals, shall perform in state-wide purchasing and 10 material control for improvement of service and promotion of economy;

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- (7) Standardization of records and forms used state-wide for supply system activities involving purchasing, receiving, inspecting, storing, requisitioning, and issuing functions, including a standard notification form for state agencies to report cost-effective direct purchases, which shall at least identify the price of the goods as available through the division of purchasing, the price of the goods as available from the alternative source, the total savings, and the signature of the notifying agency's director or the director's 19 designee;
- (8) Screening of supplies, material, and equipment excess to the 20 requirements of one agency for overall state need before sale as 21 22 surplus;
- (9) Establishment of warehouse operation and storage standards to 23 24 achieve uniform, effective, and economical stores operations;
- 25 (10) Establishment of time limit standards for the issuing of 26 material in store and for processing requisitions requiring purchase;
- (11) Formulation of criteria for determining when centralized 27 28 rather than decentralized purchasing shall be used to obtain maximum 29 benefit of volume buying of identical or similar items, including 30 procurement from federal supply sources;
- (12) Development of criteria for use of leased, rather than state 31 owned, warehouse space based on relative cost and accessibility; 32
- (13) Institution of standard criteria for purchase and placement of 33 34 state furnished materials, carpeting, furniture, fixtures, and nonfixed 35 equipment, in newly constructed or renovated state buildings;
- (14) Determination of how transportation costs incurred by the 36 37 state for materials, supplies, services, and equipment can be reduced by improved freight and traffic coordination and control; 38

- 1 (15) Establishment of a formal certification program for state 2 employees who are authorized to perform purchasing functions as agents 3 for the state under the provisions of chapter 43.19 RCW;
 - (16) Development of performance measures for the reduction of total overall expense for material, supplies, equipment, and services used each biennium by the state;
- 7 (17) Establishment of a standard system for all state organizations 8 to record and report dollar savings and cost avoidance which are 9 attributable to the establishment and implementation of improved 10 purchasing and material control procedures;
- 11 (18) Development of procedures for mutual and voluntary cooperation 12 between state agencies, including educational institutions, and 13 political subdivisions for exchange of purchasing and material control 14 services;
- 15 (19) Resolution of all other purchasing and material matters which 16 require the establishment of overall state-wide policy for effective 17 and economical supply management;
 - (20) Development of guidelines and criteria for the purchase of vehicles, alternate vehicle fuels and systems, equipment, and materials that reduce overall energy-related costs and energy use by the state, including the requirement that new passenger vehicles purchased by the state meet the minimum standards for passenger automobile fuel economy established by the United States secretary of transportation pursuant to the energy policy and conservation act (15 U.S.C. Sec. 2002);
- 25 (21) Development of goals for state use of recycled and 26 environmentally preferable products through specifications for products 27 and services, processes for requests for proposals and requests for 28 qualifications, contractor selection, and contract negotiations."
- 29 **SHB 2939** S AMD 288

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30 By Senators Eide, Swecker, Fraser and Morton

31 ADOPTED 3/9/00

- On page 1, line 1 of the title, after "reduction;" strike the
- 33 remainder of the title and insert "amending RCW 43.19A.020, 39.04.133,
- 34 70.95.010, 70.95.030, 70.95.090, 70.95.290, and 43.19.1905; and
- 35 creating a new section."