2 <u>SHB 1022</u> - H AMD TO APP COMM AMD (H-2238.2/91) **155** WITHDRAWN 3-20-91 By Representative May

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- 5 On page 1 of the Committee Amendment, beginning on line 7, strike
- 6 everything through page 22, line 16, and insert the following:
- 7 "NEW SECTION. Sec. 1. A new section is added to chapter 43.21F
- 8 RCW to read as follows:
- 9 The legislature finds that the citizens of the state are vitally
- 10 affected by the development and use of energy. In order to further the
- 11 interests of the state, a strategy to guide policies and actions
- 12 impacting energy is needed. A state energy strategy should foster the
- 13 development of adequate, reliable, secure, economical, and
- 14 environmentally acceptable energy supplies. A state energy strategy
- 15 must provide a means by which the various elements of public policy,
- 16 such as preservation of the quality of the environment, public health
- 17 and welfare, and economic development are given proper and
- 18 appropriately balanced consideration in decisions affecting energy
- 19 supply and use. Such a strategy must be objective in its consideration
- 20 of energy alternatives and facilitate the efficient operation of energy
- 21 markets. It must also recognize the basic responsibility that
- 22 utilities and other energy suppliers have in delivering energy to the
- 23 citizens of the state. A state energy strategy must also assure that
- 24 decisions and actions in other areas of public policy, such as
- 25 transportation, land use, and protection of the environment take into
- 26 consideration their impact on energy supply and use.
- 27 The legislature directs the development of a state energy strategy
- 28 that is intended to achieve the foregoing goals. The strategy shall

- 1 identify significant issues; develop a framework for evaluating
- 2 policies and actions that affect energy supply and use; establish goals
- 3 to guide energy-related decisions; recommend appropriate energy
- 4 policies; and make clear the relevant costs, benefits, risks, and
- 5 trade-offs.
- 6 The legislature further finds that state-funded facilities have
- 7 significant opportunities for improving the efficiency of their energy
- 8 use. Implementing such improvements would save public funds and serve
- 9 as a model of energy-efficient operation and management for the
- 10 citizens of the state. To accomplish this goal, the legislature
- 11 directs the establishment of a new program for the effective management
- 12 of expenditures for energy in public facilities and for the
- 13 demonstration of the efficient use of energy in public facilities."
- 14 "NEW SECTION. Sec. 2. A new section is added to chapter 43.21F
- 15 RCW to read as follows:
- 16 (1) The state energy office shall develop a state energy strategy.
- 17 The strategy shall be developed in consultation with an advisory
- 18 committee. The advisory committee shall include eighteen members and
- 19 represent different regions of the state, including thirteen citizens
- 20 from the following groups: One person employed by an investor-owned
- 21 electric utility, one person employed by an investor-owned natural gas
- 22 utility, one person employed by a supplier of petroleum products, one
- 23 person employed by a publicly owned electric utility, one person
- 24 employed by an industrial energy user, one person employed by a
- 25 commercial energy user, one person employed by an agricultural energy
- 26 user, two persons representing local government, two persons
- 27 representing civic organizations, and two representatives of
- 28 environmental organizations. In addition, the advisory committee shall
- 29 include one of the representatives of the state of Washington to the

- 1 pacific northwest electric power and conservation planning council
- 2 selected by the governor; the chair of the energy facility site
- 3 evaluation council; one member of the utilities and transportation
- 4 commission selected by the chair of the commission; one member of the
- 5 house of representatives selected by the speaker of the house of
- 6 representatives; and one member of the senate selected by the majority
- 7 leader of the senate. The director may establish technical advisory
- 8 groups as necessary to assist in the development of the strategy. The
- 9 director shall provide for extensive public involvement throughout the
- 10 development of the strategy.
- 11 (2) The state energy strategy shall consider all forms of energy
- 12 and each major sector of energy consumption and shall:
- 13 (a) Assess future needs of the state for each form of energy;
- 14 (b) Identify measures to assist in maintaining adequate, reliable,
- 15 secure, economic, and environmentally acceptable supplies;
- 16 (c) Identify and, to the extent possible, quantify the costs and
- 17 benefits of energy alternatives including direct economic costs and
- 18 benefits, environmental costs and benefits, and the costs of inadequate
- 19 or unreliable energy supplies;
- 20 (d) Develop a framework in which public decisions and actions
- 21 affecting energy supply and use can be evaluated including the impact
- 22 of decisions in other areas of public policy on energy supply and cost
- 23 and on the use of energy and the establishment of goals to guide
- 24 energy-related decisions;
- 25 (e) Evaluate the future role of the state energy office and means
- 26 of financing those activities determined essential to the state; and
- 27 (f) Recommend energy goals and policies to the governor and the
- 28 legislature.
- 29 (3) In developing the state energy strategy, the state energy
- 30 office shall:

- 1 (a) Ensure that the information developed is objective and
- 2 impartial and facilitates the effective and efficient operation of
- 3 energy markets but shall not mandate the use of one energy source over
- 4 another;
- 5 (b) Draw upon existing public and private sector information and
- 6 expertise in energy matters to the fullest extent possible through
- 7 consultation and cooperation;
- 8 (c) Recognize the planning horizons required for each segment of
- 9 the energy industry and need for state actions and decisions to take
- 10 those planning horizons into consideration; and
- 11 (d) Ensure that the strategy is coordinated with the energy
- 12 planning activities of federal, state, and private entities and does
- 13 not duplicate what is already available.
- 14 (4) The energy office shall provide a progress report to the house
- 15 of representatives and senate committees on energy and utilities in
- 16 January 1992. A final report shall be provided to the governor and the
- 17 legislature by December 1, 1992."
- 18 "NEW SECTION. Sec. 3. The Washington state energy office shall
- 19 prepare a complete and comprehensive analysis of the costs and benefits
- 20 of constructing cost-effective cogeneration projects in state agency
- 21 and school district facilities. The analysis shall include:
- 22 (1) Identification of sites where cogeneration might be cost-
- 23 effective within the next five years;
- 24 (2) Identification of alternative projects for each site;
- 25 (3) The cost of construction of the most promising project at each
- 26 site, together with an estimate of the risk of cost-overruns;
- 27 (4) The source and terms of financing for each project;
- 28 (5) The cost of operating each project, including all overhead and
- 29 administrative costs;

- 1 (6) The cost to the state of administering each project, including
- 2 the cost to the state connected with the financing of the project, if
- 3 any;
- 4 (7) The amount and form of energy expected to be derived from each
- 5 project and an estimate of the range within which the output may be
- 6 expected to vary during the life of the project;
- 7 (8) Identification of the potential purchasers of the output of
- 8 each project;
- 9 (9) The revenue expected for each project;
- 10 (10) The value of energy used in the host facility;
- 11 (11) An estimate of the range within which the revenues and the
- 12 value of energy used by the host facility may be expected to vary;
- 13 (12) An estimate of fuel costs and the range within which such
- 14 costs may be expected to vary during the life of each project;
- 15 (13) All other elements of revenue and cost related to each
- 16 project;
- 17 (14) Identification of the environmental impact of each project;
- 18 (15) Identification of the impact of each project on its host
- 19 institution and adjacent residents and businesses;
- 20 (16) A comparison of the costs and benefits of the cogeneration
- 21 project with the use of a conventional source of energy production at
- 22 the host facility; and
- 23 (17) Any other costs and benefits, whether financial,
- 24 environmental, or otherwise, associated with the project.
- 25 The energy office shall make an interim report on the status of the
- 26 analysis and preliminary conclusions to the energy and utilities
- 27 committees of the house of representatives and the senate by December
- 28 1, 1991, and a final report to the governor and the legislature by July
- 29 1, 1992."

- 1 "NEW SECTION. Sec. 4. Unless the context clearly requires
- 2 otherwise, the definitions in this section apply throughout this
- 3 chapter.
- 4 (1) "Conservation" means reduced energy consumption or energy cost,
- 5 or increased efficiency in the use of energy, and activities, measures,
- 6 or equipment designed to achieve such results, but does not include
- 7 district heating and cooling, or electric production from cogeneration.
- 8 (2) "Cost-effective" means providing positive net present value
- 9 with a discount rate set equal to the cost of public borrowing.
- 10 (3) "Energy" means energy as defined in RCW 43.21F.025(1).
- 11 (4) "Energy efficiency" means conservation or the use of
- 12 alternative energy resources.
- 13 (5) "Energy office" means the Washington state energy office.
- 14 (6) "Host agency" means the state agency or school district
- 15 responsible for the public facility at which an energy efficiency
- 16 measure or project is or may be implemented.
- 17 (7) "Person" means a natural person, private or public corporation,
- 18 partnership, or association, or a combination thereof.
- 19 (8) "Project" means a project or projects designed to result in
- 20 energy efficiency.
- 21 (9) "Public facility" means a building or structure, or a group of
- 22 buildings or structures at a single site, owned by a state agency or
- 23 school district.
- 24 (10) "State agency" means every state office or department, whether
- 25 elective or appointive, state institutions of higher education, and all
- 26 boards, commissions, or divisions of state government, however
- 27 designated.
- 28 (11) "State facility" means a building or structure, or a group of
- 29 buildings or structures at a single site, owned by a state agency.

- 1 (12) "Utility" means privately or publicly owned electric, gas, and
- 2 heating utilities, electric cooperatives, and federal power marketing
- 3 agencies, whether located within or without Washington state."
- 4 "NEW SECTION. Sec. 5. (1) State agencies and school districts
- 5 shall pursue and maintain efficient operation of their facilities in
- 6 order to minimize energy consumption and related environmental impacts
- 7 and reduce operating costs.
- 8 (2) The energy office shall assist state agencies and school
- 9 districts and host agencies in identifying, evaluating, and
- 10 implementing cost-effective energy efficiency projects at public
- 11 facilities. The assistance shall include notifying state agencies and
- 12 school districts of their responsibilities under this chapter;
- 13 apprising them of opportunities to develop and finance such projects;
- 14 providing technical and analytical support; reviewing verification
- 15 procedures for energy savings; and assisting in the structuring and
- 16 arranging of financing for projects expected to result in reduced
- 17 energy use or costs, increased energy efficiency, or other net benefits
- 18 for state agencies, school districts, and the state. The energy office
- 19 shall comply with the requirements of chapter 39.80 RCW when
- 20 contracting for architectural or engineering services. The energy
- 21 office shall recover costs for such assistance through written
- 22 agreements, including reimbursement from third parties participating in
- 23 such projects, for any costs and expenses incurred in providing such
- 24 assistance.
- 25 (3) The energy office shall consult with the local gas and electric
- 26 utilities to develop priorities for energy conservation projects
- 27 pursuant to this chapter, cooperate where possible with existing
- 28 utility programs, and consult with the local gas and electric utilities
- 29 prior to implementing projects in their service territory. Gas and

- 1 electric utilities shall be offered the opportunity to participate in
- 2 the development of conservation projects. Electric utilities who are
- 3 firm power requirements customers of a federal power marketing agency
- 4 shall be offered the opportunity to participate in the following
- 5 manner:
- 6 (a) Before initiating projects in the utility service territory,
- 7 the energy office shall notify the local electric utility of state
- 8 agency or school district facilities that the energy office has
- 9 targeted for energy conservation projects.
- 10 (b) Within sixty days of receipt of this notification, the local
- 11 electric utility may express interest in these projects by submitting
- 12 to the energy office a proposal describing the role the utility is
- 13 willing to play in developing and acquiring the conservation at these
- 14 facilities.
- 15 (c) Upon receipt of this proposal, the energy office shall, through
- 16 discussions with the local utility, and with involvement from state
- 17 agencies and school districts, develop a plan for coordinated delivery
- 18 of conservation services, financing, and utility payment for electric
- 19 energy conservation to state agency and school district facilities in
- 20 the utility's service territory. The plan shall identify the local
- 21 utility in roles that the utility is willing and able to perform and
- 22 that are consistent with section 6(3)(f) of this act."
- 23 "NEW SECTION. Sec. 6. (1) The energy office shall, in
- 24 coordination with electric and gas utilities and host agencies,
- 25 facilitate the sale or transmission of energy saved at state agencies
- 26 and school districts.
- 27 (2) State agencies and school districts shall notify the energy
- 28 office at least thirty days in advance of submitting an offer to a

- 1 utility or responding to an offer from a utility for the sale of energy
- 2 saved at their facilities.
- 3 (3) To ensure an equitable allocation of benefits to the state and
- 4 to host agencies, the following conditions shall apply to transactions
- 5 between utilities and state agencies or school districts for sales of
- 6 energy saved:
- 7 (a) The transaction shall be approved by both the energy office and
- 8 the host agency.
- 9 (b) The energy office and the host agency shall work together
- 10 throughout the planning and negotiation process for such transactions
- 11 unless the energy office determines that its participation will not
- 12 further the purposes of this section.
- 13 (c) When the energy office is involved in a proposed transaction it
- 14 shall negotiate directly with utilities who are parties to the
- 15 transaction.
- 16 (d) Before making a decision under (e) of this subsection, the
- 17 energy office shall review the proposed transaction for its technical
- 18 and economic feasibility, the adequacy and reasonableness of procedures
- 19 proposed for verification of project or program performance, the degree
- 20 of certainty of benefits, the degree of risk assumed by the state or
- 21 school district, the benefits offered to the state or school district
- 22 relative to the value of the resource to the utility, and such other
- 23 factors as the energy office determines to be prudent.
- (e) The energy office shall approve a transaction unless it finds,
- 25 pursuant to the review in (d) of this subsection, that the transaction
- 26 would not result in an equitable allocation of costs and benefits, in
- 27 which case the transaction shall be disapproved.
- 28 (f) In addition to the requirements of (d) and (e) of this
- 29 subsection, in areas in which a federal power marketing agency has a
- 30 program for the purchase of energy saved at public facilities, the

- 1 energy office shall approve the transaction unless the local utility
- 2 cannot offer a substantially equivalent benefit to that offered by the
- 3 federal power marketing agency, in which case the transaction shall be
- 4 disapproved. In determining whether the local utility is offering a
- 5 substantially equivalent benefit, the energy office shall consider the
- 6 net present value of the payment saved energy; any goods, services, or
- 7 financial assistance provided by the utility; and any risks borne by
- 8 the utility. Any direct negative financial impact on a nongrowing
- 9 utility shall be considered.
- 10 (4) Any party to a potential transaction may, within thirty days of
- 11 any decision to disapprove a transaction made pursuant to subsection
- 12 (3) (d), (e), or (f) of this section, request an independent reviewer
- 13 who is mutually agreeable to all parties to the transaction to review
- 14 the decision to disapprove. The parties shall within thirty days of
- 15 selection submit to the independent reviewer documentation supporting
- 16 their positions. The independent reviewer shall render advice
- 17 regarding the validity of the disapproval within an additional thirty
- 18 days."
- 19 "NEW SECTION. Sec. 7. Nothing in this chapter authorizes any
- 20 state agency or school district to construct or operate a district
- 21 heating and cooling system or to make any sale of energy beyond the
- 22 express provisions of this chapter."
- 23 "NEW SECTION. Sec. 8. In order to implement a wide variety of
- 24 cost-effective energy efficiency projects for state agencies and school
- 25 districts and the state, funding and financing sources that may be
- 26 employed include:
- 27 (1) Legislative appropriations;
- 28 (2) Financing contracts under chapter 39.94 RCW;

- 1 (3) Third-party financing provided by private or public sources;
- 2 and
- 3 (4) Energy service contracts with private or public service
- 4 providers."
- 5 "NEW SECTION. Sec. 9. In addition to any other authorities
- 6 conferred by law:
- 7 (1) The energy office may, with the consent of the state agency or
- 8 school district responsible for a facility:
- 9 (a) Develop and finance conservation at state and school district
- 10 facilities;
- 11 (b) Contract for energy services, including shared savings,
- 12 guaranteed savings, or other performance-based arrangements at state
- 13 facilities;
- 14 (c) Contract to sell electric energy saved by energy efficiency
- 15 projects at public facilities to or with utilities;
- 16 (d) Contract to sell thermal energy produced at state facilities to
- 17 or with utilities; and
- 18 (e) Participate in negotiations, competitive procurement, and other
- 19 activities necessary or convenient for these purposes.
- 20 (2) Subject to section 6 of this act concerning certain utility
- 21 transactions, state and regional universities acting independently, and
- 22 other state agencies acting through the department of general
- 23 administration or as otherwise authorized, may exercise the authorities
- 24 enumerated in subsection (1) of this section for their facilities and
- 25 may also:
- 26 (a) Acquire, install, permit, construct, own, operate, and maintain
- 27 energy efficiency measures or equipment, or both, at their facilities;

- 1 (b) Lease state property to private or other public parties for the
- 2 installation and operation of energy efficiency equipment at state
- 3 facilities; and
- 4 (c) Undertake procurements for third-party development of energy
- 5 efficiency projects at state facilities, with successful proposers to
- 6 be selected based on the responsible bid, including nonprice elements
- 7 listed in RCW 43.19.1911, that offers the greatest net achievable
- 8 benefits to the state and its agencies.
- 9 (3) Subject to section 6 of this act, school districts may:
- (a) Develop and finance conservation at school district facilities;
- 11 (b) Contract for energy services, including shared savings,
- 12 guaranteed savings, or other performance-based arrangements at state
- 13 facilities;
- 14 (c) Contract to sell electric energy saved by energy efficiency
- 15 projects at school district facilities to utilities directly or to
- 16 utilities through third parties.
- 17 (4) The leasing and contracting authorities provided in this
- 18 section may be exercised for terms up to thirty years.
- 19 (5) The authorities under this section may be exercised only if
- 20 their exercise is reasonably expected to yield lower energy use or
- 21 costs or higher energy efficiency, or other net benefits including cash
- 22 revenues, site enhancements, or environmental improvements, for the
- 23 host agency, the agency, or the state over the life of the measures or
- 24 projects to be undertaken."
- 25 "NEW SECTION. Sec. 10. The energy office may use appropriated
- 26 moneys to make loans, in accordance with RCW 43.21F.060(2), to school
- 27 districts to provide all or part of the financing for conservation
- 28 projects. The energy office shall determine the eligibility of such
- 29 projects for conservation loans and the terms of such loans. If loans

- 1 are from moneys appropriated from bond proceeds, the repayments of the
- 2 loans shall be sufficient to pay, when due, the principal and interest
- 3 on the bonds and shall be paid to the energy efficiency construction
- 4 account. To the extent that a school district applies the proceeds of
- 5 such loans to a modernization project, such proceeds shall be
- 6 considered a portion of the school district's share of the costs of
- 7 such project."
- 8 "NEW SECTION. Sec. 11. (1) The energy efficiency construction
- 9 account is created in the state treasury. Moneys in the account may be
- 10 spent only after appropriation and only for the following purposes:
- 11 (a) Construction of energy efficiency projects, including project
- 12 evaluation and verification of benefits, project design, project
- 13 development, project construction, and project administration.
- 14 (b) Payment of principal and interest and other costs required
- 15 under bond covenant on bonds issued for the purpose of (a) of this
- 16 subsection.
- 17 (2) Sources for this account may include:
- 18 (a) General obligation and revenue bond proceeds appropriated by
- 19 the legislature;
- 20 (b) Loan repayments under section 10 of this act sufficient to pay
- 21 principal and interest obligations; and
- (c) Any other source, including other federal, state, and local
- 23 agencies.
- 24 (3) The energy office shall establish criteria for approving energy
- 25 efficiency projects to be financed from moneys disbursed from this
- 26 account. The criteria shall include cost-effectiveness, reliability of
- 27 energy systems, and environmental costs or benefits. The energy office
- 28 shall ensure that the criteria are applied with professional standards
- 29 for engineering and review."

- 1 "NEW SECTION. Sec. 12. (1) The energy efficiency services
- 2 account is created in the state treasury. Moneys in the account may be
- 3 spent only after appropriation. Expenditures from the account may be
- 4 used only (a) for the energy office to provide energy efficiency
- 5 services to state agencies and school districts including review of
- 6 life-cycle cost analyses and (b) for transfer by the legislature to the
- 7 state general fund.
- 8 (2) All receipts from the following sources shall be deposited into
- 9 the account:
- 10 (a) Project fees charged under this section and section 17 of this
- 11 act;
- 12 (b) After payment of any principal and interest obligations, moneys
- 13 from repayments of loans under section 10 of this act;
- 14 (c) Revenue from public or private sales of energy saved at public
- 15 facilities under this chapter, except those retained by host agencies
- 16 under section 13 of this act; and
- 17 (d) Payments by utilities under this act, except those retained by
- 18 host agencies under section 13 of this act.
- 19 (3) The energy office may accept moneys and make deposits to the
- 20 account from any source including revenue from other federal, state, or
- 21 local government agencies.
- 22 (4) Within one hundred eighty days after the effective date of this
- 23 act, the energy office shall adopt rules establishing criteria and
- 24 procedures for setting a fee schedule, establishing working capital
- 25 requirements, and receiving deposits for this account."
- 26 "NEW SECTION. Sec. 13. (1) Potential benefits from energy
- 27 efficiency projects at public facilities include savings in the form of
- 28 reduced energy costs; revenues from lease payments, sales of energy
- 29 savings, or other sources; avoided capital costs; site enhancements;

- 1 additional operating and maintenance resources; and environmental
- 2 improvements.
- 3 (2) To encourage these projects at state facilities, and
- 4 notwithstanding any other provision of law, the following benefits from
- 5 energy efficiency projects completed after the effective date of this
- 6 act shall be apportioned as specified:
- 7 (a) As to conservation, state host agencies may retain all net
- 8 savings in the form of reduced energy costs, and one-half of all net
- 9 revenues from any transaction with a utility or other entity; and
- 10 (b) The remaining net revenues from conservation projects, and
- 11 remaining net savings and revenues from other energy efficiency
- 12 projects, shall be remitted to the state for the disposition and uses
- 13 specified in subsection (4) of this section.
- 14 (3) Each state host agency's share of net savings from energy
- 15 efficiency projects other than conservation and of all net revenues
- 16 shall be credited to a special local account created under RCW
- 17 43.88.195, the use of which shall be limited, in priority order, to
- 18 ongoing operation, maintenance, and improvements of energy systems and
- 19 energy efficiency measures, to other ongoing and deferred maintenance,
- 20 and to other infrastructure improvements at the facility that was the
- 21 site of the conservation or cogeneration project.
- 22 (4) The state's share of net savings from energy efficiency
- 23 projects other than conservation and of all net revenues, and any
- 24 portion of the host agency's share which exceeds its needs for the
- 25 purposes specified in subsection (3) of this section, shall be
- 26 deposited in the energy efficiency services account established by
- 27 section 12 of this act.
- 28 (5) The use by state host agencies of net savings and net revenues
- 29 from energy efficiency projects shall be in addition to, and shall not
- 30 supplant or replace, funding from traditional sources for their normal

- 1 operations and maintenance or capital budgets. It is the intent of
- 2 this subsection to ensure that such institutions receive the full
- 3 benefit intended by this section, and that such effect will not be
- 4 diminished by budget adjustments inconsistent with this intent.
- 5 (6) Energy efficiency projects in school districts, funded in whole
- 6 or in part with state assistance provided under chapter 28A.525 RCW, or
- 7 with the financing mechanisms authorized by this chapter, shall be
- 8 subject to the provisions of this section governing the apportionment
- 9 and use of savings and revenues from energy efficiency projects.
- 10 (7) For purposes of this section, "net" savings and revenues shall
- 11 mean savings and revenues remaining after payment of project capital
- 12 costs, including debt service, and other payments and reserves as
- 13 required by a bond resolution or loan agreement under this chapter, and
- 14 payment of project operating and maintenance expenses. The energy
- 15 office shall develop guidelines and procedures for determining net
- 16 savings and net revenues for energy efficiency projects at state
- 17 facilities by April 1, 1992.
- 18 (8) The energy office shall report annually until the year 2006 to
- 19 the director of the office of financial management and the chairs of
- 20 the senate ways and means committee and the appropriate house of
- 21 representatives fiscal committees regarding the amount of savings and
- 22 revenues from energy conservation retained by individual state
- 23 agencies."
- 24 "Sec. 14. RCW 39.35.030 and 1982 c 159 s 3 are each amended to
- 25 read as follows:
- 26 For the purposes of this chapter the following words and phrases
- 27 shall have the following meanings unless the context clearly requires
- 28 otherwise:

- 1 (1) "Public agency" means every state office, officer, board,
- 2 commission, committee, bureau, department, and all political
- 3 subdivisions of the state.
- 4 (2) "Office" means the Washington state energy office.
- 5 (3) "Major facility" means any publicly owned or leased building
- 6 having twenty-five thousand square feet or more of usable floor space.
- 7 (4) "Initial cost" means the moneys required for the capital
- 8 construction or renovation of a major facility.
- 9 (5) "Renovation" means additions, alterations, or repairs within
- 10 any twelve-month period which exceed fifty percent of the value of a
- 11 major facility and which will affect any energy system.
- 12 (6) "Economic life" means the projected or anticipated useful life
- 13 of a major facility as expressed by a term of years.
- 14 (7) "Life-cycle cost" means the initial cost and cost of operation
- 15 of a major facility over its economic life. This shall be calculated
- 16 as the initial cost plus the operation, maintenance, and energy costs
- 17 over its economic life, reflecting anticipated increases in these costs
- 18 discounted to present value at the current rate for borrowing public
- 19 funds, as determined by the ((state finance committee)) office of
- 20 financial management. The energy cost((s)) projections used shall be
- 21 those ((projected)) provided by the state energy office. The office
- 22 shall update ((the)) these projections ((of energy costs)) at least
- 23 every two years.
- 24 (8) "Life-cycle cost analysis" includes, but is not limited to, the
- 25 following elements:
- 26 (a) The coordination and positioning of a major facility on its
- 27 physical site;
- 28 (b) The amount and type of fenestration employed in a major
- 29 facility;

- 1 (c) The amount of insulation incorporated into the design of a
- 2 major facility;
- 3 (d) The variable occupancy and operating conditions of a major
- 4 facility; and
- 5 (e) An energy-consumption analysis of a major facility.
- 6 (9) "Energy systems" means all utilities, including, but not
- 7 limited to, heating, air-conditioning, ventilating, lighting, and the
- 8 supplying of domestic hot water.
- 9 (10) "Energy-consumption analysis" means the evaluation of all
- 10 energy systems and components by demand and type of energy including
- 11 the internal energy load imposed on a major facility by its occupants,
- 12 equipment, and components, and the external energy load imposed on a
- 13 major facility by the climatic conditions of its location. An energy-
- 14 consumption analysis of the operation of energy systems of a major
- 15 facility shall include, but not be limited to, the following elements:
- 16 (a) The comparison of three or more system alternatives, at least
- 17 one of which shall include renewable energy systems;
- 18 (b) The simulation of each system over the entire range of
- 19 operation of such facility for a year's operating period; and
- 20 (c) The evaluation of the energy consumption of component equipment
- 21 in each system considering the operation of such components at other
- 22 than full or rated outputs.
- The energy-consumption analysis shall be prepared by a professional
- 24 engineer or licensed architect who may use computers or such other
- 25 methods as are capable of producing predictable results.
- 26 (11) "Renewable energy systems" means methods of facility design
- 27 and construction and types of equipment for the utilization of
- 28 renewable energy sources including, but not limited to, active or
- 29 passive solar space heating or cooling, domestic solar water heating,

- 1 windmills, waste heat, biomass and/or refuse-derived fuels,
- 2 ((cogenerated energy,)) photovoltaic devices, and geothermal energy."
- 3 "NEW SECTION. Sec. 15. A new section is added to chapter 39.35
- 4 RCW to read as follows:
- 5 The office, in consultation with affected public agencies, shall
- 6 develop and issue guidelines for administering this chapter. The
- 7 purpose of the guidelines is to define a procedure and method for
- 8 performance of life-cycle cost analysis to promote the selection of
- 9 low-life-cycle cost alternatives. At a minimum, the guidelines must
- 10 contain provisions that:
- 11 (1) Address energy considerations during the planning phase of the
- 12 project;
- 13 (2) Identify energy components and system alternatives including
- 14 renewable energy systems before commencing the energy consumption
- 15 analysis;
- 16 (3) Establish times during the design process for preparation,
- 17 review, and approval or disapproval of the life-cycle cost analysis;
- 18 (4) Specify the assumptions to be used for escalation and inflation
- 19 rates, equipment service lives, economic building lives, and
- 20 maintenance costs;
- 21 (5) Determine life-cycle cost analysis format and submittal
- 22 requirements to meet the provisions of this chapter;
- 23 (6) Provide for review and approval of life-cycle cost analysis."
- 24 "NEW SECTION. Sec. 16. A new section is added to chapter 39.35
- 25 RCW to read as follows:
- The energy office may impose fees upon affected public agencies for
- 27 the review of life-cycle cost analyses. The fees shall be deposited in
- 28 the energy efficiency services account established in section 12 of

- 1 this act. The purpose of the fee is to recover the costs by the office
- 2 for review of the analyses. The office shall set fees at a level
- 3 necessary to recover all of its costs related to increasing the energy
- 4 efficiency of state-supported new construction. The fees shall not
- 5 exceed one-tenth of one percent of the total cost of any project or
- 6 exceed two thousand dollars for any project unless mutually agreed to.
- 7 The office shall provide detailed calculation ensuring that the energy
- 8 savings resulting from its review of life-cycle cost analysis justify
- 9 the costs of performing that review."
- 10 "NEW SECTION. Sec. 17. The energy office may adopt rules to
- 11 implement sections 5 through 7, 13, and 15 of this act."
- 12 "Sec. 18. RCW 43.88.195 and 1979 c 151 s 140 are each amended to
- 13 read as follows:
- 14 After August 11, 1969, no state agency, state institution, state
- 15 institution of higher education, which shall include all state
- 16 universities, regional universities, The Evergreen State College, and
- 17 community colleges, shall establish any new accounts or funds which are
- 18 to be located outside of the state treasury: PROVIDED, That the office
- 19 of financial management shall be authorized to grant permission for the
- 20 establishment of such an account or fund outside of the state treasury
- 21 only when the requesting agency presents compelling reasons of economy
- 22 and efficiency which could not be achieved by placing such funds in the
- 23 state treasury. When the director of financial management authorizes
- 24 the creation of such fund or account, ((he)) the director shall
- 25 forthwith give written notice of the fact to the standing committees on
- 26 ways and means of the house and senate. The office of financial
- 27 management may grant permission for the establishment of accounts

- 1 outside of the state treasury for the purposes of section 12 of this
- 2 <u>act</u>."
- 3 "Sec. 19. 1989 1st ex.s. c 12 s 301 (uncodified) is amended to
- 4 read as follows:
- 5 FOR THE WASHINGTON STATE ENERGY OFFICE
- 6 Energy conservation projects (90-4-001)
- 7 The appropriation in this section is subject to the following
- 8 conditions and limitations: The department shall contract with the
- 9 following agencies for the amounts specified to undertake energy
- 10 conservation projects. Each contract shall require the agencies listed
- 11 below to deposit into the energy ((conservation account, hereby created
- 12 in the state treasury)) efficiency services account, created in section
- 13 12 of this act, an amount equal to the contract amount. The payback
- 14 period for the contracted amount shall be determined by the department,
- 15 but shall not exceed six years.
- 16 (1) No more than \$1,033,000 shall be expended for energy
- 17 conservation projects for Military Department facilities;
- 18 (2) No more than \$361,600 shall be expended for energy conservation
- 19 projects for the department of social and health services;
- 20 (3) No more than \$552,000 shall be expended for energy conservation
- 21 projects for The Evergreen State College.
- 22 Reappropriation Appropriation
- 23 St Bldg Constr Acct 1,946,600
- 24 Prior Biennia Future Biennia Total
- 2,199,000 4,145,600"
- 26 "NEW SECTION. Sec. 20. Sections 4 through 13 and 17 of this act
- 27 shall constitute a new chapter in Title 39 RCW."

- 1 "NEW SECTION. Sec. 21. 1982 c 159 s 6 (uncodified) is
- 2 repealed."
- 3 "NEW SECTION. Sec. 22. If any provision of this act or its
- 4 application to any person or circumstance is held invalid, the
- 5 remainder of the act or the application of the provision to other
- 6 persons or circumstances is not affected."
- 7 **SHB 1022** H AMD TO APP COMM AMD (H-2238.2/91)
- 8 By Representative May

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- On page 22, line 24 of the Committee Title Amendment, after "RCW;"
- 11 insert "creating a new section;"