

Be it enacted by the Legislature of the state of Utah:
Section 1. Section <b>59-7-614</b> is amended to read:
59-7-614. Renewable energy systems tax credits Definitions Certification
Rulemaking authority.
(1) As used in this section:
(a) (i) "Active solar system" means a system of equipment that is capable of:
(A) collecting and converting incident solar radiation into thermal, mechanical, or
electrical energy; and
(B) transferring a form of energy described in Subsection (1)(a)(i)(A) by a separate
apparatus to storage or to the point of use.
(ii) "Active solar system" includes water heating, space heating or cooling, and
electrical or mechanical energy generation.
(b) "Biomass system" means a system of apparatus and equipment for use in:
(i) converting material into biomass energy, as defined in Section 59-12-102; and
(ii) transporting the biomass energy by separate apparatus to the point of use or storage
(c) "Commercial energy system" means a system that is:
(i) (A) an active solar system;
(B) a biomass system;
(C) a direct use geothermal system;
(D) a geothermal electricity system;
(E) a geothermal heat pump system;
(F) a hydroenergy system;
(G) a passive solar system; or
(H) a wind system;
(ii) located in the state; and
(iii) used:
(A) to supply energy to a commercial unit; or
(B) as a commercial enterprise.
(d) "Commercial enterprise" means an entity, the purpose of which is to produce
electrical, mechanical, or thermal energy for sale from a commercial energy system.

57 (e) (i) "Commercial unit" means a building or structure that an entity uses to transact 58 business. 59 (ii) Notwithstanding Subsection (1)(e)(i): 60 (A) with respect to an active solar system used for agricultural water pumping or a 61 wind system, each individual energy generating device is considered to be a commercial unit; 62 or 63 (B) if an energy system is the building or structure that an entity uses to transact 64 business, a commercial unit is the complete energy system itself. 65 (f) "Direct use geothermal system" means a system of apparatus and equipment that 66 enables the direct use of geothermal energy to meet energy needs, including heating a building, 67 an industrial process, and aquaculture. 68 (g) "Geothermal electricity" means energy that is: 69 (i) contained in heat that continuously flows outward from the earth; and (ii) used as a sole source of energy to produce electricity. 70 71 (h) "Geothermal energy" means energy generated by heat that is contained in the earth. 72 (i) "Geothermal heat pump system" means a system of apparatus and equipment that: 73 (i) enables the use of thermal properties contained in the earth at temperatures well 74 below 100 degrees Fahrenheit; and 75 (ii) helps meet heating and cooling needs of a structure. (j) "Hydroenergy system" means a system of apparatus and equipment that is capable 76 77 of: 78 (i) intercepting and converting kinetic water energy into electrical or mechanical 79 energy; and 80 (ii) transferring this form of energy by separate apparatus to the point of use or storage. 81 (k) "Office" means the Office of Energy Development created in Section 63M-4-401. 82 (l) (i) "Passive solar system" means a direct thermal system that utilizes the structure of 83 a building and its operable components to provide for collection, storage, and distribution of 84 heating or cooling during the appropriate times of the year by utilizing the climate resources 85 available at the site. 86 (ii) "Passive solar system" includes those portions and components of a building that 87 are expressly designed and required for the collection, storage, and distribution of solar energy.

88	(m) "Photovoltaic system" means an active solar system that generates electricity from
89	sunlight.
90	[(m)] (n) (i) "Principal recovery portion" means the portion of a lease payment that
91	constitutes the cost a person incurs in acquiring a commercial energy system.
92	(ii) "Principal recovery portion" does not include:
93	(A) an interest charge; or
94	(B) a maintenance expense.
95	[(n)] (o) "Residential energy system" means the following used to supply energy to or
96	for a residential unit:
97	(i) an active solar system;
98	(ii) a biomass system;
99	(iii) a direct use geothermal system;
100	(iv) a geothermal heat pump system;
101	(v) a hydroenergy system;
102	(vi) a passive solar system; or
103	(vii) a wind system.
104	[(o)] (p) (i) "Residential unit" means a house, condominium, apartment, or similar
105	dwelling unit that:
106	(A) is located in the state; and
107	(B) serves as a dwelling for a person, group of persons, or a family.
108	(ii) "Residential unit" does not include property subject to a fee under:
109	(A) Section 59-2-404;
110	(B) Section 59-2-405;
111	(C) Section 59-2-405.1;
112	(D) Section 59-2-405.2; or
113	(E) Section 59-2-405.3.
114	[(p)] (q) "Wind system" means a system of apparatus and equipment that is capable of
115	(i) intercepting and converting wind energy into mechanical or electrical energy; and
116	(ii) transferring these forms of energy by a separate apparatus to the point of use, sale,
117	or storage.
118	(2) A taxpayer may claim an energy system tax credit as provided in this section

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2020, \$1,600;

2021, \$1,200;

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119	against a tax due under this chapter for a taxable year.
120	(3) (a) Subject to the other provisions of this Subsection (3), a taxpayer may claim a
121	nonrefundable tax credit under this Subsection (3) with respect to a residential unit the taxpayer
122	owns or uses if:
123	(i) the taxpayer:
124	(A) purchases and completes a residential energy system to supply all or part of the
125	energy required for the residential unit; or
126	(B) participates in the financing of a residential energy system to supply all or part of
127	the energy required for the residential unit;
128	(ii) the residential energy system is completed and placed in service on or after January
129	1, 2007; and
130	(iii) the taxpayer obtains a written certification from the office in accordance with
131	Subsection (7).
132	(b) (i) Subject to Subsections (3)(b)(ii) through [(v)] (iv) and, as applicable, Subsection
133	(3)(c) or (d), the tax credit is equal to 25% of the reasonable costs of each residential energy
134	system installed with respect to each residential unit the taxpayer owns or uses.
135	(ii) A tax credit under this Subsection (3) may include installation costs.
136	(iii) A taxpayer may claim a tax credit under this Subsection (3) for the taxable year in
137	which the residential energy system is completed and placed in service.
138	(iv) If the amount of a tax credit under this Subsection (3) exceeds a taxpayer's tax
139	liability under this chapter for a taxable year, the amount of the tax credit exceeding the
140	liability may be carried forward for a period that does not exceed the next four taxable years.
141	[(v)] (c) The total amount of tax credit a taxpayer may claim under this Subsection (3)
142	for a residential energy system, other than a photovoltaic system, may not exceed \$2,000 per
143	residential unit.
144	(d) The total amount of tax credit a taxpayer may claim under this Subsection (3) for a
145	photovoltaic system may not exceed:
146	(i) for a system installed on or after January 1, 2018 but on or before December 31,

(ii) for a system installed on or after January 1, 2021 but on or before December 31,

150	(iii) for a system installed on or after January 1, 2022 but on or before December 31,
151	2022, \$800; and
152	(iv) for a system installed on or after January 1, 2023 but on or before December 31,
153	<u>2023, \$400.</u>
154	[(e)] (e) If a taxpayer sells a residential unit to another person before the taxpayer
155	claims the tax credit under this Subsection (3):
156	(i) the taxpayer may assign the tax credit to the other person; and
157	(ii) (A) if the other person files a return under this chapter, the other person may claim
158	the tax credit under this section as if the other person had met the requirements of this section
159	to claim the tax credit; or
160	(B) if the other person files a return under Chapter 10, Individual Income Tax Act, the
161	other person may claim the tax credit under Section 59-10-1014 as if the other person had met
162	the requirements of Section 59-10-1014 to claim the tax credit.
163	(4) (a) Subject to the other provisions of this Subsection (4), a taxpayer may claim a
164	refundable tax credit under this Subsection (4) with respect to a commercial energy system if:
165	(i) the commercial energy system does not use:
166	(A) wind, geothermal electricity, solar, or biomass equipment capable of producing a
167	total of 660 or more kilowatts of electricity; or
168	(B) solar equipment capable of producing 2,000 or more kilowatts of electricity;
169	(ii) the taxpayer purchases or participates in the financing of the commercial energy
170	system;
171	(iii) (A) the commercial energy system supplies all or part of the energy required by
172	commercial units owned or used by the taxpayer; or
173	(B) the taxpayer sells all or part of the energy produced by the commercial energy
174	system as a commercial enterprise;
175	(iv) the commercial energy system is completed and placed in service on or after
176	January 1, 2007; and
177	(v) the taxpayer obtains a written certification from the office in accordance with
178	Subsection (7).
179	(b) (i) Subject to Subsections (4)(b)(ii) through (v), the tax credit is equal to 10% of the
180	reasonable costs of the commercial energy system.

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is equal to the product of:

(A) 0.35 cents; and

181 (ii) A tax credit under this Subsection (4) may include installation costs. 182 (iii) A taxpayer may claim a tax credit under this Subsection (4) for the taxable year in 183 which the commercial energy system is completed and placed in service. 184 (iv) A tax credit under this Subsection (4) may not be carried forward or carried back. 185 (v) The total amount of tax credit a taxpayer may claim under this Subsection (4) may 186 not exceed \$50,000 per commercial unit. 187 (c) (i) Subject to Subsections (4)(c)(ii) and (iii), a taxpayer that is a lessee of a commercial energy system installed on a commercial unit may claim a tax credit under this 188 189 Subsection (4) if the taxpayer confirms that the lessor irrevocably elects not to claim the tax 190 credit. 191 (ii) A taxpayer described in Subsection (4)(c)(i) may claim as a tax credit under this 192 Subsection (4) only the principal recovery portion of the lease payments. 193 (iii) A taxpayer described in Subsection (4)(c)(i) may claim a tax credit under this 194 Subsection (4) for a period that does not exceed seven taxable years after the date the lease 195 begins, as stated in the lease agreement. 196 (5) (a) Subject to the other provisions of this Subsection (5), a taxpayer may claim a 197 refundable tax credit under this Subsection (5) with respect to a commercial energy system if: 198 (i) the commercial energy system uses wind, geothermal electricity, or biomass 199 equipment capable of producing a total of 660 or more kilowatts of electricity; 200 (ii) (A) the commercial energy system supplies all or part of the energy required by 201 commercial units owned or used by the taxpayer; or 202 (B) the taxpayer sells all or part of the energy produced by the commercial energy 203 system as a commercial enterprise; 204 (iii) the commercial energy system is completed and placed in service on or after 205 January 1, 2007; and 206 (iv) the taxpayer obtains a written certification from the office in accordance with 207 Subsection (7). 208 (b) (i) Subject to Subsections (5)(b)(ii) and (iii), a tax credit under this Subsection (5)

(B) the kilowatt hours of electricity produced and used or sold during the taxable year.

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212 (ii) A tax credit under this Subsection (5) may be claimed for production occurring 213 during a period of 48 months beginning with the month in which the commercial energy 214 system is placed in commercial service. 215 (iii) A tax credit under this Subsection (5) may not be carried forward or carried back. 216 (c) A taxpayer that is a lessee of a commercial energy system installed on a commercial 217 unit may claim a tax credit under this Subsection (5) if the taxpayer confirms that the lessor 218 irrevocably elects not to claim the tax credit. 219 (6) (a) Subject to the other provisions of this Subsection (6), a taxpayer may claim a 220 refundable tax credit as provided in this Subsection (6) if: 221 (i) the taxpayer owns a commercial energy system that uses solar equipment capable of 222 producing a total of 660 or more kilowatts of electricity; 223 (ii) (A) the commercial energy system supplies all or part of the energy required by 224 commercial units owned or used by the taxpayer; or 225 (B) the taxpayer sells all or part of the energy produced by the commercial energy 226 system as a commercial enterprise; 227 (iii) the taxpayer does not claim a tax credit under Subsection (4): 228 (iv) the commercial energy system is completed and placed in service on or after 229 January 1, 2015; and 230 (v) the taxpayer obtains a written certification from the office in accordance with 231 Subsection (7). 232 (b) (i) Subject to Subsections (6)(b)(ii) and (iii), a tax credit under this Subsection (6) 233 is equal to the product of: 234 (A) 0.35 cents; and 235 (B) the kilowatt hours of electricity produced and used or sold during the taxable year. 236 (ii) A tax credit under this Subsection (6) may be claimed for production occurring 237 during a period of 48 months beginning with the month in which the commercial energy 238 system is placed in commercial service. 239 (iii) A tax credit under this Subsection (6) may not be carried forward or carried back. 240 (c) A taxpayer that is a lessee of a commercial energy system installed on a commercial

unit may claim a tax credit under this Subsection (6) if the taxpayer confirms that the lessor

irrevocably elects not to claim the tax credit.

243	(7) (a) Before a taxpayer may claim a tax credit under this section, the taxpayer shall
244	obtain a written certification from the office.
245	(b) The office shall issue a taxpayer a written certification if the office determines that:
246	(i) the taxpayer meets the requirements of this section to receive a tax credit; and
247	(ii) the residential energy system or commercial energy system with respect to which
248	the taxpayer seeks to claim a tax credit:
249	(A) has been completely installed;
250	(B) is a viable system for saving or producing energy from renewable resources; and
251	(C) is safe, reliable, efficient, and technically feasible to ensure that the residential
252	energy system or commercial energy system uses the state's renewable and nonrenewable
253	energy resources in an appropriate and economic manner.
254	(c) In accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, the
255	office may make rules:
256	(i) for determining whether a residential energy system or commercial energy system
257	meets the requirements of Subsection (7)(b)(ii); and
258	(ii) for purposes of a tax credit under Subsection (3) or (4), establishing the reasonable
259	costs of a residential energy system or a commercial energy system, as an amount per unit of
260	energy production.
261	(d) A taxpayer that obtains a written certification from the office shall retain the
262	certification for the same time period a person is required to keep books and records under
263	Section 59-1-1406.
264	(8) In accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, the
265	commission may make rules to address the certification of a tax credit under this section.
266	(9) A tax credit under this section is in addition to any tax credits provided under the
267	laws or rules and regulations of the United States.
268	Section 2. Section <b>59-10-1014</b> is amended to read:
269	59-10-1014. Nonrefundable renewable energy systems tax credits Definitions
270	Certification Rulemaking authority.
271	(1) As used in this section:
272	(a) (i) "Active solar system" means a system of equipment that is capable of:

273 (A) collecting and converting incident solar radiation into thermal, mechanical, or 274 electrical energy; and 275 (B) transferring a form of energy described in Subsection (1)(a)(i)(A) by a separate 276 apparatus to storage or to the point of use. 277 (ii) "Active solar system" includes water heating, space heating or cooling, and 278 electrical or mechanical energy generation. (b) "Biomass system" means a system of apparatus and equipment for use in: 279 (i) converting material into biomass energy, as defined in Section 59-12-102; and 280 281 (ii) transporting the biomass energy by separate apparatus to the point of use or storage. 282 (c) "Direct use geothermal system" means a system of apparatus and equipment that 283 enables the direct use of geothermal energy to meet energy needs, including heating a building, 284 an industrial process, and aquaculture. 285 (d) "Geothermal electricity" means energy that is: (i) contained in heat that continuously flows outward from the earth; and 286 287 (ii) used as a sole source of energy to produce electricity. 288 (e) "Geothermal energy" means energy generated by heat that is contained in the earth. 289 (f) "Geothermal heat pump system" means a system of apparatus and equipment that: 290 (i) enables the use of thermal properties contained in the earth at temperatures well 291 below 100 degrees Fahrenheit; and 292 (ii) helps meet heating and cooling needs of a structure. (g) "Hydroenergy system" means a system of apparatus and equipment that is capable 293 294 of: 295 (i) intercepting and converting kinetic water energy into electrical or mechanical 296 energy; and 297 (ii) transferring this form of energy by separate apparatus to the point of use or storage. 298 (h) "Office" means the Office of Energy Development created in Section 63M-4-401. 299 (i) (i) "Passive solar system" means a direct thermal system that utilizes the structure of 300 a building and its operable components to provide for collection, storage, and distribution of 301 heating or cooling during the appropriate times of the year by utilizing the climate resources 302 available at the site. 303 (ii) "Passive solar system" includes those portions and components of a building that

304	are expressly designed and required for the collection, storage, and distribution of solar energy.
305	(j) "Photovoltaic system" means an active solar system that generates electricity from
306	sunlight.
307	(k) (i) "Principal recovery portion" means the portion of a lease payment that
308	constitutes the cost a person incurs in acquiring a residential energy system.
309	(ii) "Principal recovery portion" does not include:
310	(A) an interest charge; or
311	(B) a maintenance expense.
312	(l) "Residential energy system" means the following used to supply energy to or for a
313	residential unit:
314	(i) an active solar system;
315	(ii) a biomass system;
316	(iii) a direct use geothermal system;
317	(iv) a geothermal heat pump system;
318	(v) a hydroenergy system;
319	(vi) a passive solar system; or
320	(vii) a wind system.
321	(m) (i) "Residential unit" means a house, condominium, apartment, or similar dwelling
322	unit that:
323	(A) is located in the state; and
324	(B) serves as a dwelling for a person, group of persons, or a family.
325	(ii) "Residential unit" does not include property subject to a fee under:
326	(A) Section 59-2-404;
327	(B) Section 59-2-405;
328	(C) Section 59-2-405.1;
329	(D) Section 59-2-405.2; or
330	(E) Section 59-2-405.3.
331	(n) "Wind system" means a system of apparatus and equipment that is capable of:
332	(i) intercepting and converting wind energy into mechanical or electrical energy; and
333	(ii) transferring these forms of energy by a separate apparatus to the point of use or
334	storage.

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December 31, [2020] 2022, \$800; and

335 (2) A claimant, estate, or trust may claim an energy system tax credit as provided in 336 this section against a tax due under this chapter for a taxable year. 337 (3) For a taxable year beginning on or before December 31, [2021] 2023, a claimant, 338 estate, or trust may claim a nonrefundable tax credit under this section with respect to a 339 residential unit the claimant, estate, or trust owns or uses if: 340 (a) the claimant, estate, or trust: (i) purchases and completes a residential energy system to supply all or part of the 341 342 energy required for the residential unit: or 343 (ii) participates in the financing of a residential energy system to supply all or part of 344 the energy required for the residential unit; 345 (b) the residential energy system is installed on or after January 1, 2007; and 346 (c) the claimant, estate, or trust obtains a written certification from the office in 347 accordance with Subsection (5). 348 (4) (a) For a residential energy system, other than a photovoltaic system, the tax credit 349 described in this section is equal to the lesser of: 350 (i) 25% of the reasonable costs, including installation costs, of each residential energy 351 system installed with respect to each residential unit the claimant, estate, or trust owns or uses; 352 and 353 (ii) \$2,000. 354 (b) Subject to Subsection (5)(d), for a residential energy system that is a photovoltaic 355 system, the tax credit described in this section is equal to the lesser of: (i) 25% of the reasonable costs, including installation costs, of each system installed 356 357 with respect to each residential unit the claimant, estate, or trust owns or uses; or 358 (ii) (A) for a system installed on or after January 1, 2007, but on or before December 359 31, 2017, \$2,000; 360 (B) for a system installed on or after January 1, 2018, but on or before December 31, 361 [<del>2018</del>] 2020, \$1,600; 362 (C) for a system installed on or after January 1, [2019] 2021, but on or before 363 December 31, [2019] 2021, \$1,200;

(D) for a system installed on or after January 1, [2020] 2022, but on or before

- 366 (E) for a system installed on or after January 1, [2021] 2023, but on or before 367 December 31, [2021] 2023, \$400.
  - (c) (i) The office shall determine the amount of the tax credit that a claimant, estate, or trust may claim and list that amount on the written certification that the office issues under Subsection (5).
  - (ii) The claimant, estate, or trust may claim the tax credit in the amount listed on the written certification that the office issues under Subsection (5).
  - (d) A claimant, estate, or trust may claim a tax credit under Subsection (3) for the taxable year in which the residential energy system is installed.
  - (e) If the amount of a tax credit listed on the written certification exceeds a claimant's, estate's, or trust's tax liability under this chapter for a taxable year, the claimant, estate, or trust may carry forward the amount of the tax credit exceeding the liability for a period that does not exceed the next four taxable years.
  - (f) A claimant, estate, or trust may claim a tax credit with respect to additional residential energy systems or parts of residential energy systems for a subsequent taxable year if the total amount of tax credit the claimant, estate, or trust claims does not exceed \$2,000 per residential unit.
  - (g) (i) Subject to Subsections (4)(g)(ii) and (iii), a claimant, estate, or trust that leases a residential energy system installed on a residential unit may claim a tax credit under Subsection (3) if the claimant, estate, or trust confirms that the lessor irrevocably elects not to claim the tax credit.
  - (ii) A claimant, estate, or trust described in Subsection (4)(g)(i) that leases a residential energy system may claim as a tax credit under Subsection (3) only the principal recovery portion of the lease payments.
  - (iii) A claimant, estate, or trust described in Subsection (4)(g)(i) that leases a residential energy system may claim a tax credit under Subsection (3) for a period that does not exceed seven taxable years after the date the lease begins, as stated in the lease agreement.
  - (h) If a claimant, estate, or trust sells a residential unit to another person before the claimant, estate, or trust claims the tax credit under Subsection (3):
    - (i) the claimant, estate, or trust may assign the tax credit to the other person; and
- 396 (ii) (A) if the other person files a return under Chapter 7, Corporate Franchise and

- Income Taxes, the other person may claim the tax credit as if the other person had met the requirements of Section 59-7-614 to claim the tax credit; or
  - (B) if the other person files a return under this chapter, the other person may claim the tax credit under this section as if the other person had met the requirements of this section to claim the tax credit.
  - (5) (a) Before a claimant, estate, or trust may claim a tax credit under this section, the claimant, estate, or trust shall obtain a written certification from the office.
  - (b) The office shall issue a claimant, estate, or trust a written certification if the office determines that:
  - (i) the claimant, estate, or trust meets the requirements of this section to receive a tax credit; and
  - (ii) the office determines that the residential energy system with respect to which the claimant, estate, or trust seeks to claim a tax credit:
    - (A) has been completely installed;
    - (B) is a viable system for saving or producing energy from renewable resources; and
  - (C) is safe, reliable, efficient, and technically feasible to ensure that the residential energy system uses the state's renewable and nonrenewable energy resources in an appropriate and economic manner.
  - (c) In accordance with Title 63G, Chapter 3, Utah Administrative Rulemaking Act, the office may make rules:
  - (i) for determining whether a residential energy system meets the requirements of Subsection (5)(b)(ii); and
  - (ii) for purposes of determining the amount of a tax credit that a claimant, estate, or trust may receive under Subsection (4), establishing the reasonable costs of a residential energy system, as an amount per unit of energy production.
  - (d) A claimant, estate, or trust that obtains a written certification from the office shall retain the certification for the same time period a person is required to keep books and records under Section 59-1-1406.
  - (6) A tax credit under this section is in addition to any tax credits provided under the laws or rules and regulations of the United States.
    - (7) A purchaser of one or more solar units that claims a tax credit under Section

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428	59-10-1024 for the purchase of the one or more solar units may not claim a tax credit under this
429	section for that purchase.
430	Section 3. Section <b>63I-1-254</b> is amended to read:
431	63I-1-254. Repeal dates Title 54.
432	(1) The language of Subsection 54-4-13.4(1)(a)(ii) after "do not exceed \$5,000,000 in
433	any calendar year" is repealed July 1, 2018.
434	(2) Subsection 54-7-13.5(2)(d) is repealed on December 31, 2019.
435	(3) Title 54, Chapter 15, Net Metering of Electricity, is repealed January 1, 2036.