

SENATE BILL NO. 361—SENATORS STONE, DONATE, BUCK;
GOICOECHEA, HAMMOND, HANSEN, D. HARRIS, LANGE,
SCHEIBLE AND SPEARMAN

MARCH 22, 2023

JOINT SPONSORS: ASSEMBLYMEN GURR AND YUREK

Referred to Committee on Natural Resources

SUMMARY—Revises provisions relating to solid waste.
(BDR 40-935)

FISCAL NOTE: Effect on Local Government: May have Fiscal Impact.
Effect on the State: Yes.

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EXPLANATION – Matter in *bolded italics* is new; matter between brackets ~~omitted material~~ is material to be omitted.

AN ACT relating to solid waste; defining various terms relating to advanced recycling; revising various definitions relating to solid waste to exclude advanced recycling and advanced recycling facilities; and providing other matters properly relating thereto.

Legislative Counsel’s Digest:

1 Existing law establishes provisions governing the collection and disposal of
2 solid waste. (NRS 444.440-444.620) Existing law requires the governing body of
3 every municipality or district board of health to develop and plan to provide for a
4 solid waste management system within the boundaries of the municipality or within
5 the area to be served by the system. (NRS 444.510) The State Environmental
6 Commission is required under existing law to adopt regulations concerning solid
7 waste management systems. (NRS 444.560) This bill revises the provisions
8 governing solid waste in this State to exempt advanced recycling and advanced
9 recycling facilities from the requirements governing the collection and disposal of
10 solid waste.

11 **Section 3** of this bill defines “advanced recycling” as a manufacturing process
12 for the conversion of post-use polymers and recovered feedstocks into advanced
13 recycled products. **Section 2** of this bill provides that the term “advanced recycled
14 product” does not include any product sold as fuel. **Section 4** of this bill defines an
15 “advanced recycling facility” as a manufacturing facility which receives, stores and
16 converts post-use polymers and recovered feedstocks into advanced recycled



17 products using advanced recycling. **Sections 5-10** of this bill define various other
18 terms relating to advanced recycling.

19 **Section 13** of this bill revises the definition of “solid waste management
20 system” to provide that the term does not include advanced recycling. **Section 12** of
21 this bill revises the definition of “solid waste” to provide that the term does not
22 include post-use polymers and recovered feedstocks.

23 **Section 11** of this bill makes conforming changes to indicate the proper
24 placement of **sections 2-10** in the Nevada Revised Statutes.

THE PEOPLE OF THE STATE OF NEVADA, REPRESENTED IN
SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

1 **Section 1.** Chapter 444 of NRS is hereby amended by adding
2 thereto the provisions set forth as sections 2 to 10, inclusive, of this
3 act.

4 **Sec. 2.** *“Advanced recycled product” does not include any*
5 *product sold as fuel.*

6 **Sec. 3. 1.** *“Advanced recycling” means a manufacturing*
7 *process for the conversion of post-use polymers and recovered*
8 *feedstocks into advanced recycled products, including, without*
9 *limitation, converting monomers, oligomers, plastics, plastic and*
10 *chemical feedstock, basic and unfinished chemicals, waxes,*
11 *lubricants and coatings through processes that include, without*
12 *limitation, pyrolysis, gasification, depolymerization, catalytic*
13 *cracking, reforming, hydrogenation and solvolysis.*

14 **2.** *The term does not include solid waste management or*
15 *processing, waste diversion, resource recovery, incineration or*
16 *combustion.*

17 **Sec. 4. 1.** *“Advanced recycling facility” means a*
18 *manufacturing facility that receives, stores and converts post-use*
19 *polymers and recovered feedstocks into advanced recycled*
20 *products using advanced recycling.*

21 **2.** *The term does not include a solid waste processing facility,*
22 *solid waste transfer facility, waste diversion center, resource*
23 *recovery facility or a solid waste incinerator.*

24 **Sec. 5.** *“Depolymerization” means a manufacturing process*
25 *in which post-use polymers are broken into smaller molecules,*
26 *including, without limitation, monomers and oligomers or raw*
27 *materials or intermediate or final products, including, without*
28 *limitation, plastics and chemical feedstocks, basic and unfinished*
29 *chemicals, waxes, lubricants and coatings.*

30 **Sec. 6.** *“Gasification” means a manufacturing process*
31 *through which post-use polymers or recovered feedstocks are*
32 *heated in an oxygen-controlled atmosphere and converted into*
33 *syngas, a carbon monoxide and hydrogen mixture, and the syngas*



1 *is then converted into raw materials and intermediate or final*
2 *products, including, without limitation, plastic monomers,*
3 *chemicals, waxes, lubricants, coatings, plastics and chemical*
4 *feedstocks.*

5 **Sec. 7.** *“Post-use polymer” means a plastic that:*

6 *1. Is derived from any industrial, commercial, agricultural or*
7 *domestic activity;*

8 *2. Has been sorted from solid waste and any other regulated*
9 *waste;*

10 *3. May contain residual amounts of waste such as organic*
11 *material and incidental contaminants and impurities;*

12 *4. Is not mixed with solid waste or hazardous waste on-site or*
13 *during conversion at an advanced recycling facility;*

14 *5. Is intended for use as a feedstock in advanced recycling;*
15 *and*

16 *6. Is converted at an advanced recycling facility or stored at*
17 *an advanced recycling facility before conversion.*

18 **Sec. 8.** *“Pyrolysis” means a manufacturing process through*
19 *which post-use polymers are heated in the absence of oxygen until*
20 *melted and thermally decomposed and are then cooled, condensed*
21 *and converted into raw materials or intermediate or final products,*
22 *including, without limitation, plastic monomers, chemicals, waxes,*
23 *lubricants, plastics and chemical feedstocks.*

24 **Sec. 9.** *1. “Recovered feedstock” means:*

25 *(a) A post-use polymer; or*

26 *(b) Any material for which the United States Environmental*
27 *Protection Agency or the Division of Environmental Protection of*
28 *the State Department of Conservation and Natural Resources has*
29 *made a non-waste determination or has otherwise determined is*
30 *not solid waste,*

31 *↳ which has been converted by advanced recycling for use as*
32 *feedstock in an advanced recycling facility.*

33 *2. The term does not include:*

34 *(a) Unprocessed municipal solid waste; or*

35 *(b) Feedstock materials mixed with solid waste or hazardous*
36 *waste on-site or during conversion at an advanced recycling*
37 *facility.*

38 **Sec. 10.** *“Solvolyis” means a manufacturing process*
39 *through which post-use polymers are purified with the aid of*
40 *solvents while heated at low temperatures or pressurized, or both,*
41 *to remove additives and contaminants resulting in products that*
42 *include, without limitation, monomers, intermediates, chemicals,*
43 *plastics and chemical feedstocks and raw materials. The process*
44 *includes, without limitation, hydrolysis, aminolysis, ammonolysis,*
45 *methanolysis or glycolysis.*



1 **Sec. 11.** NRS 444.450 is hereby amended to read as follows:
2 444.450 As used in NRS 444.440 to 444.620, inclusive, *and*
3 *sections 2 to 10, inclusive, of this act*, unless the context otherwise
4 requires, the words and terms defined in NRS 444.460 to 444.501,
5 inclusive, *and sections 2 to 10, inclusive, of this act* have the
6 meanings ascribed to them in those sections.

7 **Sec. 12.** NRS 444.490 is hereby amended to read as follows:
8 444.490 1. “Solid waste” means all putrescible and
9 nonputrescible refuse in solid or semisolid form, including, but not
10 limited to, garbage, rubbish, junk vehicles, ashes or incinerator
11 residue, street refuse, dead animals, demolition waste, construction
12 waste, solid or semisolid commercial and industrial waste.

13 2. The term does not include:

14 (a) Hazardous waste managed pursuant to NRS 459.400 to
15 459.600, inclusive.

16 (b) A vehicle described in subparagraph (2) of paragraph (b) of
17 subsection 1 of NRS 444.620.

18 (c) *Post-use polymers.*

19 (d) *Recovered feedstocks.*

20 **Sec. 13.** NRS 444.500 is hereby amended to read as follows:

21 444.500 1. “Solid waste management system” means the
22 entire process of storage, collection, transportation, processing,
23 recycling and disposal of solid waste. The term includes plans and
24 programs for the reduction of waste and public education.

25 2. *The term does not include advanced recycling.*

26 **Sec. 14.** 1. This section becomes effective upon passage and
27 approval.

28 2. Sections 1 to 13, inclusive, of this act become effective:

29 (a) Upon passage and approval for the purposes of adopting
30 regulations and performing any other preparatory administrative
31 tasks that are necessary to carry out the provisions of this act; and

32 (b) On January 1, 2024, for all other purposes.

