AGENDA ITEM 6.A  REVISED SOLID WASTE, RECYCLABLE MATERIALS & COMPOSTABLES ENCLOSURE STANDARDS

I. GENERAL INFORMATION

PROJECT SUMMARY: Revisions to the Solid Waste, Recyclable Materials & Compostables Enclosure Standards; including related Municipal Code amendments to Section 17.52.390 “Recycling/Solid Waste Areas” and Section 17.06.030 “Definitions”.

LOCATION OF PROPERTY: Citywide

APPLICANT: City of Napa

STAFF PLANNER: Kevin Miller, Materials Diversion Administrator

Phone: (707) 257-9291

II. PROJECT DESCRIPTION

The revised “Solid Waste, Recyclable Materials & Compostables Enclosure Standards” (“Revised Standards”) in Attachment 1 have been prepared to address the new food scrap recycling program being provided by the City as required by AB 1826. Among other changes, the Revised Standards describe the use of wheeled carts for storage of materials and require space in enclosures for storage of food scraps and other compostable materials. The Revised Standards also require roofs and drains for food facility enclosures in order to meet stormwater regulations. Proposed amendments to the Napa Municipal Code (“NMC”) are needed to update the definitions in Section 17.06.030 to match new and revised definitions in the Revised Standards for “Compostables”, “Significant Addition” and “Significant Remodel” and to conform the description of “Recycling/Solid Waste Areas” in Section 17.52.390 with that in the proposed Revised Standards. Proposed revisions to Section 17.52.390 B state the Revised Standards apply to projects requiring approval of (i) a use permit, (ii), a design review permit, (iii) a significant remodel, or (iv) a significant addition.
III. BASIS FOR PROPOSED AMENDMENTS

AB 1826 was passed in 2014 and required the City to provide a food scrap collection and diversion program to all businesses on or before January 1, 2016. The City is currently providing such a program. AB 1826 further requires food-generating businesses (restaurants, hotels, supermarkets, etc.) to participate in a food scrap diversion program by specified dates depending upon the quantity of food scraps generated as follows:

- Businesses that generate 8 cubic yards or more of food scraps and/or yard trimmings per week must participate on or before April 1, 2016.
- Businesses that generate 4 cubic yards or more of food scraps and/or yard trimmings per week must participate on or before January 1, 2017.
- Businesses that generate 4 cubic yards or more of municipal solid waste per week must participate on or before January 1, 2019.
- Businesses that generate 2 cubic yards or more of municipal solid waste per week may be required to participate in the future.

AB 1826 also required all businesses and all multi-family complexes of 5 units or larger to participate in a diversion program for their yard trimmings and wood on or before April 1, 2016. The City currently provides such a program.

AB 341 was passed in 2011 and requires all businesses and multi-family complexes of 5 units or larger to participate in a recyclable materials collection program. The City has provided this program for quite some time.

The current Solid Waste and Enclosure Standards were approved in 2008 and include requirements for space in enclosures for recyclable materials. The 2008 Standards describe use of a 64-gallon cart for food scraps, “if and when the City begins such a program”. Other than that reference, the 2008 Standards do not discuss or anticipate the use of wheeled carts in enclosures. The 2008 Standards do not contain detailed sample diagrams for food facilities enclosures that show the space required for containers for municipal solid waste, yard trimmings, recyclable materials, food scraps and a tank for kitchen oil and grease. Staff has prepared the Revised Standards in Attachment 1 to address these issues.

Staff is recommending amendments to Sections 17.06.030 and 17.52.390 of the Napa Municipal Code as described below.

IV. PROPOSED REVISIONS TO ENCLOSURE STANDARDS AND PROPOSED AMENDMENTS TO MUNICIPAL CODE

The following is a summary of the major changes being proposed to the Enclosure Standards and of the proposed amendments to the Napa Municipal Code.

A. Proposed Revisions to the Enclosure Standards
• Updated to provide a user-friendly “one-stop description” of enclosure requirements for use by project applicants, their architects, designers and contractors.

• Description of AB 1826 and AB 341 requirements for businesses and multifamily complexes (these bills have been passed since the 2008 Standards were adopted).

• Clarification of the type(s) of containers and enclosures required for multi-family complexes vs. businesses.

• Addition of space requirements for containers (including wheeled carts) for compostable materials including food scraps and yard trimmings, in addition to existing requirements for containers for municipal solid waste and recyclable materials.

• Requirement for space for a kitchen oil/grease tank where applicable.

• New tables showing sample calculations for square footage of enclosures, estimated weekly generation of each type of material (solid waste, recyclables, food scraps, yard trimmings, oil/grease), and number of containers needed for each type of material.

• Updated drawings for use in project planning showing sample layouts and dimensions of enclosures for small, medium and large generators, food facilities, employee/owner access to all containers, size and dimensions for doors/gates and space for collection truck access.

• Provisions for ADA compliance.

• New text describing when the Revised Standards apply to proposed projects and what existing projects are “grandfathered” under the 2008 Standards.

• Requirements for compliance with existing stormwater pollution prevention regulations.

• Special requirements in the City’s Stormwater Quality Control Ordinance including roofs and drains in enclosures for food-generating businesses.

• Summary of City Fire Code requirements.

• List and brief descriptions of references that can be consulted on best practices for sustainable and green building, recycling of materials, employee training and container selection.
B. Proposed Amendments to Napa Municipal Code to Add and Expand Definitions

Proposed amendments to the NMC are included in the proposed Ordinance in Attachment 2. The first proposed amendment is to NMC Section 17.06.030 to expand the definition of “Recycling (and solid waste) area” to include compostable materials. The second proposed amendment to this same section is to add a definition of “Compostable Materials” as follows:

“Compostable Materials” means those materials that are processed in a controlled biological decomposition process, which are source separated from the municipal solid waste stream. Compostable Materials include food scraps, soiled paper products, wood and yard trimmings that do not contain hazardous waste.”

C. Proposed Amendments to Napa Municipal Code to Clarify When New Enclosure Standards Apply

The third proposed amendment is to NMC 17.52.390 to add the following definitions of “Significant Addition” and “Significant Remodel”:

“Significant Addition” means a structure of (1) more than 500 square feet or (2) equal to or greater than 10% of the total building square footage, added to the original structure or site at some time after the completion of the original structure.”

“Significant Remodel” means a remodel that (1) will increase the occupancy of the total gross building area by 50% or more; or (2) constitutes a change of use that results in at least one of the following: (a) an increase in the quantity of solid waste, recyclable materials and/or compostable materials generated; (b) the addition of one or more type(s) of materials generated such as solid waste, recyclable materials and/or compostable materials (example: an office becomes a food service establishment); or (3) is determined by the Community Development Director to require that the area for storage of solid waste, recyclable materials and/or compostable materials comply with all current adopted city standards.

As noted in the list above, the new Revised Standards contain a description of when the Revised Standards will be applied to proposed projects. Napa Municipal Code Section 17.53.390 is proposed to be revised to read as follows:

“B. General Provisions

1. A project that requires approval of a use permit, a design review permit, a significant remodel or a significant addition shall provide one or more solid waste recycling areas for the storage and collection of solid waste, recyclable materials, compostable materials and (if applicable) kitchen oil and grease, consistent with city standards for solid waste recycling areas adopted by resolution.

2. Solid Waste recycling areas shall be adequate in capacity, number and distribution to accommodate the amount of solid waste, recyclable materials, compostable
materials and (if applicable) kitchen oil and grease generated by all users of the solid waste recycling areas.

3. Solid waste recycling areas shall be signed to provide instructions for depositing solid waste, recyclable materials, compostable materials and (if applicable) kitchen oil and grease in the appropriate containers and to identify the name/phone number of the management authority responsible for maintenance of the solid waste recycling area.”

V. ENVIRONMENTAL REVIEW

An Initial Study was prepared for the project pursuant to the requirements of CEQA (see Attachment 4). The Initial Study determined that the proposed Revised Solid Waste, Recyclable Materials and Compostables Enclosure Standards and the accompanying proposed amendments to the Napa Municipal Code would not have a significant effect on the environment. The posting period for the Negative Declaration was October 21, 2016 through November 9, 2016. No comments were received during this public review period. As required by Public Resources Code Section 21080.3.1, written notice of the project was sent via certified mail to the Yocha Dehe Wintun Nation on September 6, 2016. The response received on October 18, 2016 stated that the Yocha Dehe Wintun Nation had no comments on the project. Staff recommends adoption of a Negative Declaration.

VI. PUBLIC NOTICE

As this project is not site specific, a 500-foot radius property owners notification mailer was not required. A Notice of the public hearing was published in the Napa Valley Register on February 17, 2017.

VII. REQUIRED FINDINGS

The Planning Commission’s recommendation regarding this project is subject to the required findings in Napa Municipal Code Section 17.66.080 relating to the Zoning Ordinance Amendment. These findings are addressed in the attached resolution (Attachment 1).

VIII. STAFF RECOMMENDATION

Staff recommends the Planning Commission forward a recommendation to the City Council to (1) adopt a resolution approving a Negative Declaration for the project, (2) adopt a resolution approving the proposed “Solid Waste, Recyclable Materials & Compostable Materials Enclosure Standards” dated April 2017, and (3) adopt the Zoning Ordinance amendments based upon the above Analysis and Findings.

IX. ALTERNATIVES TO RECOMMENDATION

- Recommend denial of the proposed Revised Standards and amendments.
• Continue the hearing and direct Staff to revise the proposed Revised Standards and amendments for further Commission consideration.

X. RECOMMENDED ACTIONS

Make the findings set forth in the attached draft resolutions and ordinance and forward a recommendation to the City Council to adopt:

1. A resolution adopting a Negative Declaration for the project, determining that the Proposed Revised Standards and the proposed Municipal Code amendments would not have a significant effect on the environment.


3. An ordinance amending Napa Municipal Code Section 17.52.390 “Recycling/Solid Waste Areas” and Section 17.06.030 “Definitions”.

XI. ATTACHMENTS

1. Draft Resolution adopting a Negative Declaration
3. Draft Ordinance
4. Negative Declaration, Initial Study and Enclosure Standards
RESOLUTION OF THE CITY COUNCIL OF THE CITY OF
NAPA, STATE OF CALIFORNIA, ADOPTING A NEGATIVE
DECLARATION FOR REVISED SOLID WASTE,
RECYCLABLE MATERIALS & COMPOSTABLES
ENCLOSURE STANDARDS AND RELATED
AMENDMENTS TO THE ZONING ORDINANCE

WHEREAS, The City of Napa prepared a revised Solid Waste, Recyclable Materials & Compostables Enclosure Standards and initiated related Amendments to Sections 17.52.390 and 17.06.030 of the Zoning Ordinance (“the Project”); and

WHEREAS, the California Environmental Quality Act, Public Resources Code, Section 21000 et seq. (“CEQA”), requires that the City consider the potential environmental impacts of the Project prior to approving the Project; and

WHEREAS, in accordance with the California Environmental Quality Act (CEQA), the City of Napa Community Development Department prepared an Initial Study for the Project, dated October 18, 2016 which concludes that the Project will not have a significant effect on the environment; therefore a Negative Declaration has been prepared for adoption (“the Negative Declaration”); and

WHEREAS, the Negative Declaration regarding the Project was prepared pursuant to CEQA and the CEQA Guidelines, Code of California Regulations, Title XIV, Section 15000 et seq., “and the City of Napa CEQA Guidelines; and

WHEREAS, on October 19, 2016 the City of Napa posted a notice of Completion of the Negative Declaration which identified the review period from October 21, 2016 to November 9, 2016, for review and comment by the public and public agencies having jurisdiction by law with respect to the Project; and

WHEREAS, on September 6, 2016 the City of Napa issued written notice concerning the Project via certified mail to the Yocha Dehe Wintun Nation, as required by Public Resources Code Section 21080.3.1; and

WHEREAS, on October 18, 2016 the City of Napa received written notification from the Yocha Dehe Wintun Nation that they had no comments on the Project; and

WHEREAS, on March 2, 2017 the Planning Commission considered the Negative Declaration and all written and oral testimony submitted to them at a noticed consent hearing on the Project and subsequently recommended that the City Council adopt the Negative Declaration and Zoning Ordinance Amendments; and

WHEREAS, on __________, 2017 the City Council considered the Negative Declaration and all written and oral testimony submitted to them at a noticed consent
NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Napa, as follows:

1. The City Council hereby finds that the facts set forth in the recitals to this Resolution are true and correct, and establish the factual basis for the City Council’s adoption of this Resolution. The record of the Project’s environmental review shall be kept at the Napa City Community Development Department, 1600 First Street, Napa, CA 94559.

2. The City Council hereby finds that there is no substantial evidence, in light of the whole record before the City Council, that the Project will have a significant effect on the environment; and that this determination reflects the City Council’s independent judgment; and the City Council adopts a Negative Declaration for this Project.

3. This Resolution shall take effect immediately upon its adoption.

I HEREBY CERTIFY that the foregoing Resolution was duly adopted by the City Council of the City of Napa at a public meeting of said City Council held on the ___ day of ______, 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST: ______________________
Dorothy Roberts
City Clerk

Approved as to form:

______________________________
Michael W. Barrett
City Attorney
ATTACHMENT 2

ORDINANCE O2017 __

ORDINANCE OF THE CITY COUNCIL OF THE CITY OF
NAPA, STATE OF CALIFORNIA, AMENDING NAPA
MUNICIPAL CODE SECTIONS 5.60, “GARBAGE
COLLECTION AND DISPOSAL,” AND 17.52.390
“RECYCLING/
SOLID WASTE AREAS”

WHEREAS, Napa Municipal Code Section 17.52.390 sets forth general requirements for the construction of solid waste and recycling areas for development projects requiring the approval of a use permit or design review permit; and

WHEREAS, AB 1826 was signed into law in 2014 and requires all cities and counties to provide compostable materials collection programs for food scraps, non-hazardous wood, yard trimmings and food-soiled paper at specified commercial premises and collection of yard trimmings and non-hazardous wood at multi-family premises of five units or greater on or before January 1, 2016; and

WHEREAS, AB 1826 requires that all commercial businesses generating eight cubic yards or more of compostable materials per week participate in a compostable materials collection program on or before April 1, 2016 and that all multi-family complexes consisting of five or more units participate in a diversion program for yard trimmings and non-hazardous wood on or before the same date, and further requires additional commercial businesses to participate in a compostable materials collection program on or before January 1, 2017 or January 1, 2019, depending upon the quantity of compostables and solid waste generated; and

WHEREAS, the City now provides collection programs for compostable materials from commercial and multi-family premises as required by state law; and

WHEREAS, the provisions of Napa Municipal Code Section 17.52.390 do not include requirements for space or containers to store compostable materials and do not require solid waste and recycling areas for significant additions and significant remodels that generate increased quantities and/or types of solid waste, recyclable materials, compostable materials and (where applicable) kitchen oil and grease; and

WHEREAS, Napa Municipal Code Section 17.52.390 does not include definitions of “Compostable materials”, “Significant remodels” or “Significant additions”; and

WHEREAS, on ______________, the City Council held a public hearing and heard public testimony regarding proposed amendments to Napa Municipal Code Sections 17.52.390 and 17.06.030; and

WHEREAS, the City Council has considered all information related to this matter, as presented at the public meeting of the City Council identified herein, including any
supporting reports by City Staff and recommendations by the Planning Commission, and any information provided during public meetings.

NOW, THEREFORE, BE IT ORDAINED, by the City Council of the City of Napa as follows:

**SECTION 1: Findings.** As required by Napa Municipal Code Section 17.66.080, the City Council hereby makes the following findings in support of the amendments to the zoning regulations set forth under this Ordinance:

A. The proposed amendments are consistent in principle with the General Plan.

The proposed amendments are consistent with the General Plan in that the amendments add requirements for space and containers for compostable materials in solid waste and recycling enclosures that are already required by the Napa Municipal Code. Because the sorting and collection of compostable materials is required by AB 939, as amended by AB 1826, this is consistent with Community Services Goal CS-12 to provide for safe and environmentally sound municipal solid waste reduction and recycling programs that will allow the City to attain the requirements of AB 939. In addition, Land Use Goal LU-5 encourages attractive, well-located commercial development; and Land Use Goal LU-12 seeks to enhance and improve sustainable practices in Napa. The Enclosure Standards are consistent with the goal of maintaining attractive and clean enclosed areas at commercial developments for storage of all solid waste, recyclable materials and compostables and with diverting recyclable materials and compostables from disposal as required by AB 939.

B. The public health, safety and general welfare are served by the adoption of the proposed amendment.

The proposed amendment is beneficial to the public health, safety and general welfare as it requires space in commercial and multi-family enclosures for containers in order to divert food scraps, yard trimmings and other compostable materials from disposal at landfills. The Enclosure Standards require attractive enclosed area(s) for storage of all solid waste, recyclable materials and compostables, provide for convenient access for business owners, commercial tenants and employees, and for multi-family residents at multi-family properties, and also provide for ADA-required access to containers.

C. If a rezoning to a district with a larger minimum lot size is proposed, effectively reducing the planned residential density, the City shall also find that the remaining sites in the Housing Element are adequate to accommodate the jurisdiction’s share of the regional housing need pursuant to California Government Code section 65584; or if not, that it has identified sufficient additional, adequate and available sites with an equal or greater residential density in the jurisdiction so that there is no net loss of residential unit capacity.
This finding is not applicable to this project because the project does not include any proposal to increase a minimum lot size nor does it eliminate any site designated in the Housing Element from future use as a housing site.

**SECTION 2: Amendment.** Napa Municipal Code Section 5.60.060, “Location of containers,” is hereby amended by repealing the previous language in its entirety, and by adopting a new Section 5.60.060, “Location of containers, solid waste collection areas and enclosures,” with language to read as set forth below.

5.60.060 Location of containers, solid waste collection areas and enclosures

All containers shall be provided and maintained on the premises where the garbage, including trash, is produced in a place easily accessible to the contractor but where it will not be a public nuisance or otherwise offensive. Solid waste collection areas and enclosures for containers shall be sited, constructed, operated and maintained in accordance with the requirements of Section 17.52.390 and any enclosure standards adopted under the authority of Subsection 17.52.390 (C)(1).

**SECTION 3: Amendment.** Napa Municipal Code Section 17.52.390, “Recycling/Solid Waste areas,” is hereby amended by repealing the previous language in its entirety, and by adopting a new Section 17.52.390, “Recycling/Solid waste areas”, with language to read as set forth below:

17.52.390 Recycling/Solid waste areas.

A. Purpose. The purpose of this section is to assure provision of adequate facilities for solid waste reduction and the conservation of recyclable materials.

B. Definitions. The following words and phrases, whenever used in this section, shall be construed as defined under this subsection.

“Compostable materials” means those materials that are processed in a controlled biological decomposition process, which are source separated from the municipal solid waste stream. Compostable materials include food scraps, soiled paper products, wood and yard trimmings that do not contain hazardous waste.

“Director” means the Community Development Director of the City of Napa, or designee of the Community Development Director or City Manager.

“Enclosure” means a walled structure for the storage of solid waste, composting and recycling containers, with one or more gates for access.

“Enclosure Standards” means the resolution adopted by the City Council establishing standards applicable to the construction, operation and maintenance of enclosures.
“Significant Addition” means a structure of (1) more than 500 square feet or (2) equal to or greater than 10% of the total building square footage, added to the original structure or site at some time after the completion of the original structure.

“Significant Remodel” means a remodel that (1) will increase the occupancy of the total gross building area by 50% or more; or (2) constitutes a change of use that results in one or both of the following: (a) an increase in the quantity of solid waste, recyclable materials and/or compostable materials generated; (b) the addition of one or more type(s) of materials generated such as solid waste, recyclable materials and/or compostable materials (example: an office becomes a food service establishment); or (3) is determined by the Community Development Director to require that the area for storage of solid waste, recyclable materials and/or compostable materials comply with all current adopted city standards.

“Solid Waste Collection Area” means any area designated for the storage and pickup of solid waste, composting and recycling containers that is not an enclosure.

C. General Provisions.

1. The City Council may, by resolution, adopt standards applicable to the construction of solid waste, composting and recycling enclosures.

2. A project that requires approval of a use permit, a design review permit, a significant remodel or a significant addition shall require the design and construction, as a condition of approval of the project, of one or more enclosures for the storage and collection of solid waste, recyclable materials, compostable materials and (where applicable) kitchen oil and grease consistent with the enclosure standards. This requirement shall not apply to the following uses:

   a. Any single family residential lot developed with a residential use
   b. Any multi-family residential development with solid waste collection areas for each individual dwelling unit, and without a centralized solid waste collection area
   c. Uses permitted by right under Subsections 17.52.390(C)(2)(a-b)
   d. Use or design review permits where no construction is proposed that would create additional floor area
   e. Use or design review permits for projects that increase an existing structure’s square footage by 500 square feet or less, or that increase an existing structure’s total square footage by less than 10%.

3. Enclosures must be constructed, operated and maintained in accordance with the enclosure standards adopted by the City Council.

D. Waiver of Compliance with Enclosure Standards
As part of an application for approval of a project otherwise subject to design and construction of enclosures under Subsection 17.52.390(C)(2), an applicant may apply for a modification or waiver of the enclosure standards based upon a showing that there are circumstances particular to the property on which the project is located that make compliance with the enclosure standards impracticable or impossible, based either or site constraints related to unique topography or lot configuration or size, or other considerations unique to the application that render strict compliance with the requirements of the enclosure standards either impracticable or impossible. The applicant shall submit such application for waiver or modification in writing along with the application for the project and shall set forth in detail all factual and/or legal bases for the waiver or modification application, including a site plan of the project and any technical supporting documentation, and shall bear the burden of providing sufficient evidence to demonstrate the alleged impracticability or impossibility of compliance with the enclosure standards. The Director may approve a modification or waiver if he or she determines that based upon the documentation submitted by the applicant, compliance with the enclosure standards is impracticable or impossible. In conjunction with the written approval of a waiver or modification under this subsection, the Director shall identify all feasible alternatives that will further the purposes of this chapter and ensure adequate provision of facilities for solid waste reduction and conservation of recyclable materials, and shall impose conditions of approval that obligate the applicant to mitigate the impacts of the project and maximize the efficiency of waste and recycling collection.

SECTION 3: Severability. If any section, sub-section, subdivision, paragraph, clause or phrase in this Ordinance, or any part thereof, is for any reason held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections or portions of this Ordinance or any part thereof. The City Council hereby declares that it would have passed each section, sub-section, subdivision, paragraph, sentence, clause or phrase of this Ordinance, irrespective of the fact that any one or more sections, sub-sections, subdivisions, paragraphs, sentences, clauses or phrases may be declared invalid or unconstitutional.

SECTION 4: Effective Date. This Ordinance shall become effective thirty (30) days following adoption.

City of Napa, a municipal corporation

MAYOR: _______________________________

ATTEST: ______________________________

CITY CLERK OF THE CITY OF NAPA
STATE OF CALIFORNIA
COUNTY OF NAPA
CITY OF NAPA

I, Dorothy Roberts, City Clerk of the City of Napa, do hereby certify that the foregoing Ordinance had its first reading and was introduced during the public meeting of the City Council on the ___ day of ____, 20__, and had its second reading and was adopted and passed during the public meeting of the City Council on the ___ day of ____, 20__, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST: __________________________
Dorothy Roberts
City Clerk

Approved as to Form:

________________________
Michael W. Barrett
City Attorney
ORDINANCE OF THE CITY COUNCIL OF THE CITY OF
NAPA, STATE OF CALIFORNIA, AMENDING NAPA
MUNICIPAL CODE SECTIONS 5.60, “GARBAGE
COLLECTION AND DISPOSAL,” AND 17.52.390
“RECYCLING/SOLID WASTE AREAS”

WHEREAS, Napa Municipal Code Section 17.52.390 sets forth general requirements for the construction of solid waste and recycling areas for development projects requiring the approval of a use permit or design review permit; and

WHEREAS, AB 1826 was signed into law in 2014 and requires all cities and counties to provide compostable materials collection programs for food scraps, non-hazardous wood, yard trimmings and food-soiled paper at specified commercial premises and collection of yard trimmings and non-hazardous wood at multi-family premises of five units or greater on or before January 1, 2016; and

WHEREAS, AB 1826 requires that all commercial businesses generating eight cubic yards or more of compostable materials per week participate in a compostable materials collection program on or before April 1, 2016 and that all multi-family complexes consisting of five or more units participate in a diversion program for yard trimmings and non-hazardous wood on or before the same date, and further requires additional commercial businesses to participate in a compostable materials collection program on or before January 1, 2017 or January 1, 2019, depending upon the quantity of compostables and solid waste generated; and

WHEREAS, the City now provides collection programs for compostable materials from commercial and multi-family premises as required by state law; and

WHEREAS, the provisions of Napa Municipal Code Section 17.52.390 do not include requirements for space or containers to store compostable materials and do not require solid waste and recycling areas for significant additions and significant remodels that generate increased quantities and/or types of solid waste, recyclable materials, compostable materials and (where applicable) kitchen oil and grease; and

WHEREAS, Napa Municipal Code Section 17.52.390 does not include definitions of “Compostable materials”, “Significant remodels” or “Significant additions”; and

WHEREAS, on ______________, the City Council held a public hearing and heard public testimony regarding proposed amendments to Napa Municipal Code Sections 17.52.390 and 17.06.030; and

WHEREAS, the City Council has considered all information related to this matter, as presented at the public meeting of the City Council identified herein, including any
ATTACHMENT 3

supporting reports by City Staff and recommendations by the Planning Commission, and any information provided during public meetings.

NOW, THEREFORE, BE IT ORDAINED, by the City Council of the City of Napa as follows:

SECTION 1: Findings. As required by Napa Municipal Code Section 17.66.080, the City Council hereby makes the following findings in support of the amendments to the zoning regulations set forth under this Ordinance:

A. The proposed amendments are consistent in principle with the General Plan.

The proposed amendments are consistent with the General Plan in that the amendments add requirements for space and containers for compostable materials in solid waste and recycling enclosures that are already required by the Napa Municipal Code. Because the sorting and collection of compostable materials is required by AB 939, as amended by AB 1826, this is consistent with Community Services Goal CS-12 to provide for safe and environmentally sound municipal solid waste reduction and recycling programs that will allow the City to attain the requirements of AB 939. In addition, Land Use Goal LU-5 encourages attractive, well-located commercial development; and Land Use Goal LU-12 seeks to enhance and improve sustainable practices in Napa. The Enclosure Standards are consistent with the goal of maintaining attractive and clean enclosed areas at commercial developments for storage of all solid waste, recyclable materials and compostables and with diverting recyclable materials and compostables from disposal as required by AB 939.

B. The public health, safety and general welfare are served by the adoption of the proposed amendment.

The proposed amendment is beneficial to the public health, safety and general welfare as it requires space in commercial and multi-family enclosures for containers in order to divert food scraps, yard trimmings and other compostable materials from disposal at landfills. The Enclosure Standards require attractive enclosed area(s) for storage of all solid waste, recyclable materials and compostables, provide for convenient access for business owners, commercial tenants and employees, and for multi-family residents at multi-family properties, and also provide for ADA-required access to containers.

C. If a rezoning to a district with a larger minimum lot size is proposed, effectively reducing the planned residential density, the City shall also find that the remaining sites in the Housing Element are adequate to accommodate the jurisdiction’s share of the regional housing need pursuant to California Government Code section 65584; or if not, that it has identified sufficient additional, adequate and available sites with an equal or greater residential density in the jurisdiction so that there is no net loss of residential unit capacity.
This finding is not applicable to this project because the project does not include any proposal to increase a minimum lot size nor does it eliminate any site designated in the Housing Element from future use as a housing site.

**SECTION 2: Amendment.** Napa Municipal Code Section 5.60.060, “Location of containers,” is hereby amended by repealing the previous language in its entirety, and by adopting a new Section 5.60.060, “Location of containers, solid waste collection areas and enclosures,” with language to read as set forth below.

**5.60.060 Location of containers, solid waste collection areas and enclosures**

All containers shall be provided and maintained on the premises where the garbage, including trash, is produced in a place easily accessible to the contractor but where it will not be a public nuisance or otherwise offensive. Solid waste collection areas and enclosures for containers shall be sited, constructed, operated and maintained in accordance with the requirements of Section 17.52.390 and any enclosure standards adopted under the authority of Subsection 17.52.390 (C)(1).

**SECTION 3: Amendment.** Napa Municipal Code Section 17.52.390, “Recycling/Solid waste areas,” is hereby amended by repealing the previous language in its entirety, and by adopting a new Section 17.52.390, “Recycling/Solid waste areas”, with language to read as set forth below:

**17.52.390 Recycling/Solid waste areas.**

A. Purpose. The purpose of this section is to assure provision of adequate facilities for solid waste reduction and the conservation of recyclable materials.

B. Definitions. The following words and phrases, whenever used in this section, shall be construed as defined under this subsection.

“Compostable materials” means those materials that are processed in a controlled biological decomposition process, which are source separated from the municipal solid waste stream. Compostable materials include food scraps, soiled paper products, wood and yard trimmings that do not contain hazardous waste.

“Director” means the Community Development Director of the City of Napa, or designee of the Community Development Director or City Manager.

“Enclosure” means a walled structure for the storage of solid waste, composting and recycling containers, with one or more gates for access.

“Enclosure Standards” means the resolution adopted by the City Council establishing standards applicable to the construction, operation and maintenance of enclosures.
“Significant Addition” means a structure of (1) more than 500 square feet or (2) equal to or greater than 10% of the total building square footage, added to the original structure or site at some time after the completion of the original structure.

“Significant Remodel” means a remodel that (1) will increase the occupancy of the total gross building area by 50% or more; or (2) constitutes a change of use that results in one or both of the following: (a) an increase in the quantity of solid waste, recyclable materials and/or compostable materials generated; (b) the addition of one or more type(s) of materials generated such as solid waste, recyclable materials and/or compostable materials (example: an office becomes a food service establishment); or (3) is determined by the Community Development Director to require that the area for storage of solid waste, recyclable materials and/or compostable materials comply with all current adopted city standards.

“Solid Waste Collection Area” means any area designated for the storage and pickup of solid waste, composting and recycling containers that is not an enclosure.

C. General Provisions.

1. The City Council may, by resolution, adopt standards applicable to the construction of solid waste, composting and recycling enclosures.

2. A project that requires approval of a use permit, a design review permit, a significant remodel or a significant addition shall require the design and construction, as a condition of approval of the project, of one or more enclosures for the storage and collection of solid waste, recyclable materials, compostable materials and (where applicable) kitchen oil and grease consistent with the enclosure standards. This requirement shall not apply to the following uses:

   a. Any single family residential lot developed with a residential use
   b. Any multi-family residential development with solid waste collection areas for each individual dwelling unit, and without a centralized solid waste collection area
   c. Uses permitted by right under Subsections 17.52.390(C)(2)(a-b)
   d. Use or design review permits where no construction is proposed that would create additional floor area
   e. Use or design review permits for projects that increase an existing structure’s square footage by 500 square feet or less, or that increase an existing structure’s total square footage by less than 10%.

3. Enclosures must be constructed, operated and maintained in accordance with the enclosure standards adopted by the City Council.

D. Waiver of Compliance with Enclosure Standards
As part of an application for approval of a project otherwise subject to design and construction of enclosures under Subsection 17.52.390(C)(2), an applicant may apply for a modification or waiver of the enclosure standards based upon a showing that there are circumstances particular to the property on which the project is located that make compliance with the enclosure standards impracticable or impossible, based either on site constraints related to unique topography or lot configuration or size, or other considerations unique to the application that render strict compliance with the requirements of the enclosure standards either impracticable or impossible. The applicant shall submit such application for waiver or modification in writing along with the application for the project and shall set forth in detail all factual and/or legal bases for the waiver or modification application, including a site plan of the project and any technical supporting documentation, and shall bear the burden of providing sufficient evidence to demonstrate the alleged impracticability or impossibility of compliance with the enclosure standards. The Director may approve a modification or waiver if he or she determines that based upon the documentation submitted by the applicant, compliance with the enclosure standards is impracticable or impossible. In conjunction with the written approval of a waiver or modification under this subsection, the Director shall identify all feasible alternatives that will further the purposes of this chapter and ensure adequate provision of facilities for solid waste reduction and conservation of recyclable materials, and shall impose conditions of approval that obligate the applicant to mitigate the impacts of the project and maximize the efficiency of waste and recycling collection.

SECTION 3: Severability. If any section, sub-section, subdivision, paragraph, clause or phrase in this Ordinance, or any part thereof, is for any reason held to be invalid or unconstitutional, such decision shall not affect the validity of the remaining sections or portions of this Ordinance or any part thereof. The City Council hereby declares that it would have passed each section, sub-section, subdivision, paragraph, sentence, clause or phrase of this Ordinance, irrespective of the fact that any one or more sections, sub-sections, subdivisions, paragraphs, sentences, clauses or phrases may be declared invalid or unconstitutional.

SECTION 4: Effective Date. This Ordinance shall become effective thirty (30) days following adoption.

City of Napa, a municipal corporation

MAYOR: _______________________________

ATTEST: ________________________________

CITY CLERK OF THE CITY OF NAPA
STATE OF CALIFORNIA  
COUNTY OF NAPA  
CITY OF NAPA  

I, Dorothy Roberts, City Clerk of the City of Napa, do hereby certify that the foregoing Ordinance had its first reading and was introduced during the public meeting of the City Council on the ___ day of ____, 20__, and had its second reading and was adopted and passed during the public meeting of the City Council on the ___ day of ____, 20__, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST: __________________________

Dorothy Roberts
City Clerk

Approved as to Form:

________________________

Michael W. Barrett
City Attorney
NEGATIVE DECLARATION

PROJECT NAME: Revised Enclosure Standards
SITE ADDRESS: Citywide
APPLICANT/ OWNER: City of Napa, Napa, CA 94559
PROPERTY P.O. 660

PROJECT DESCRIPTION: The project consists of updating the existing 2008 Solid Waste and Recycling Enclosure Standards to better accommodate compostables, recyclable materials, kitchen oil/grease and the use of wheeled carts. The updates would provide improved enclosure size, access, use of space, and overhead coverage requirements, which would result in better waste separation and control, and reduced stormwater contamination. AB 1826 requires diversion of organic wastes (compostables) from food scrap generators as follows: The largest generators were required to participate in a food scrap diversion program by April 1, 2016, and smaller generators are required to participate by January 1, 2017 or January 1, 2019, depending upon the quantity of food scraps and other compostable materials generated. The project also includes proposed amendments to the Napa Municipal Code to add new definitions for “Compostables”, “Significant Addition” and “Significant Remodel” to Section 17.06.030 and to modify the description of “Recycling/Solid Waste Areas” in Section 17.52.390 to conform to that in the proposed Revised Standards.

ENVIRONMENTAL SETTING: The updated Standards would be applicable to any development within the City that is required to obtain approval of a use permit, a design review permit, a significant addition or a significant remodel (pursuant to Zoning Ordinance Section 17.52.390 as proposed to be amended). Sites would be located throughout the City.

DECLARATION

Based on the Initial Study dated October 18, 2016, the Planning Department staff has determined:

1. This project does not have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory.

2. This project will not have a detrimental effect upon either short-term or long-term environmental goals.

3. This project will not have impacts which are individually limited but cumulatively considerable.

4. This project will not have environmental impacts which will cause substantial adverse effect upon human beings, either directly or indirectly.

These findings do not require special mitigations or conditions to be incorporated into this project. The Initial Study and other environmental documents are available for public review at the Planning Department. The public was invited to submit written comments regarding the environmental findings and Negative Declaration determination between October 21, 2016 through November 9, 2016 with no such comments received.

POSTING PERIOD: October 21, 2016 through November 9, 2016

Negative Declaration Prepared by and available at: City of Napa Planning Department, 1600 First Street, Napa, CA 94559.

Contact Person: Michael Allen, Associate Planner
for Rick Tooker, Community Development Director
Telephone: (707) 257-9530

October 18, 2016
DRAFT
Solid Waste Enclosure Standards Update
Initial Study/Negative Declaration
City of Napa, Napa County, California

Prepared for:

CITY of NAPA

City of Napa
1600 First Street
Napa, CA 94559
707.257.9291

Contact: Kevin Miller, Materials Diversion Administrator
(Recycling Manager)

Prepared by:
FirstCarbon Solutions
1350 Treat Boulevard, Suite 380
Walnut Creek, CA 94597
925.357.2562

Contact: Mary Bean, Project Director
Janna Waligorski, Project Manager

Report Date: October 18, 2016
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SECTION 1: INTRODUCTION

The purpose of this Initial Study/Negative Declaration (IS/ND) is to identify any potential environmental impacts from implementation of the Solid Waste Enclosure Standards Update (Waste Enclosure Update) in the City of Napa, California. Pursuant to California Environmental Quality Act (CEQA) Guidelines Section 15367, the City of Napa (City) is the Lead Agency in the preparation of this IS/ND and any additional environmental documentation required for the project. The City has discretionary authority over the proposed project. The intended use of this document is to disclose the potential for the project to result in environmental impacts and to provide the basis for input from public agencies, organizations, and interested members of the public.

The remainder of this section provides a brief description of the project location and the characteristics of the project. Section 2 includes an environmental checklist that gives an overview of the potential impacts that may result from project implementation, and it elaborates on the information contained in the environmental checklist and justifies the responses to each item in the checklist.

1.1 - Project Location and Setting

The updated Solid Waste Enclosure Standards would be applicable to any development within the City of Napa that is required to obtain approval of a use permit, a design review permit, a significant remodel, or a significant addition (pursuant to Zoning Ordinance Section 17.52.390 as proposed to be amended). Such locations would be located throughout the City of Napa, typically within already developed parcels or parcels to be developed for urban uses. The City of Napa is located within the Napa Valley in Napa County, Northern California (Exhibit 1 and Exhibit 2).

1.2 - Project Description

The project consists of updating the existing 2008 Solid Waste and Recycling Enclosure Standards and amending the Napa Municipal Code. Each is discussed below.

Solid Waste and Recycling Enclosure Standards

The project consists of updating the existing 2008 Solid Waste and Recycling Enclosure Standards to better accommodate compostables, recyclables, kitchen oil/grease storage, and the use of wheeled carts. The updates would provide improved enclosure size, access, use of space, and overhead coverage requirements, which would result in better waste separation and control, and reduced stormwater contamination. The update will also bring the City’s standards in compliance with Assembly Bill (AB) 1826, which requires the capture of the organic waste stream (compostables) from food scrap generators. The largest generators were required to participate in a food scrap diversion program by April 1, 2016, and smaller generators are required to participate by January 1, 2017 or January 1, 2019, depending upon the quantity of food scraps and other compostable

1 The Standards do not apply to residential/multi-family development of less than 5 units or addition of less than 500 square feet or 10 percent of total square footage.
materials generated. Additional, smaller generators may be required to participate in 2020, at the discretion of CalRecycle. All multi-family complexes of five units or more were required to participate in a program to divert yard trimmings and wood by April 1, 2016.

**Key Revisions to the Enclosure Standards**

- Updated to provide a user-friendly “one-stop description” of enclosure requirements for use by project applicants, their architects, designers and contractors
- Description of AB 1826 and AB 341 requirements for businesses and multifamily complexes
- Clarification of the type(s) of containers and enclosures required for multi-family complexes vs. businesses
- Addition of space requirements for containers (including wheeled carts) for compostable materials including food scraps and yard trimmings, in addition to existing requirements for containers for municipal solid waste and recyclable materials
- Requirement for space for an oil/grease tank where applicable
- New tables showing sample calculations for square footage of enclosures, estimated weekly generation of each type of material (solid waste, recyclables, food scraps, yard trimmings, oil/grease), and number of containers needed for each type of material
- Updated drawings for use in project planning showing sample layouts and dimensions of enclosures for small, medium and large generators, food facilities, employee/owner access to all containers, size and dimensions for doors/gates and space for collection truck access
- Provisions for ADA compliance
- New text describing when the Revised Standards apply to proposed projects and what existing projects are “grandfathered” under the 2008 Standards
- Requirements for compliance with existing stormwater pollution prevention regulations
- Special requirements in the City's Stormwater Quality Control Ordinance including roofs and drains in enclosures for food-generating businesses
- Summary of City Fire Code requirements
- List and brief descriptions of references that can be consulted on best practices for sustainable and green building, recycling of materials, employee training and container selection

**Proposed Municipal Code Amendments**

The project also includes proposed amendments to the Napa Municipal Code to add new definitions for “Compostables,” “Significant Addition,” and “Significant Remodel” to Section 17.06.030, and to modify the description of “Recycling/Solid Waste Areas” in Section 17.52.390 to conform to that in the proposed Revised Standards. As previously indicated, proposed revisions to Section 17.52.390 B state the Revised Standards apply to projects that require approval of (i) a use permit, (ii) a design review permit, (iii) a significant remodel, or (iv) a significant addition.
Exhibit 1: Regional Location Map
Exhibit 2: City of Napa Map
1.3 - Required Discretionary Approvals

The proposed project would require the following discretionary approval:

- Municipal Code Amendment

1.4 - Documents Incorporated by Reference

Updated Standards


Current Standards

- City of Napa Supplemental Builder Guidelines for Solid Waste and Recycling Enclosures, October 4, 2008

Municipal Code Amendment

- Draft Ordinance of the City Council of the City of Napa, State of California, Amending Napa Municipal Code Section 17.52.390 “Recycling/Solid Waste Areas” and Section 17.06.030 “Definitions”

1.5 - Intended Uses of this Document

This IS/ND has been prepared to disclose the scope and level of potential environmental impact that could occur from implementing the proposed project. This document will also serve as a basis for soliciting comments and input from members of the public and public agencies regarding the proposed project. The Draft IS/ND will be circulated for a minimum of 20 days, during which period comments concerning the analysis contained in the IS/ND should be sent to:

Kevin Miller, Materials Diversion Administrator
(Recycling Manager)
City of Napa
Public Works Department
1600 First Street
Phone: 707.257.9291 x 7291
Email: kmiller@cityofnapa.org
SECTION 2: ENVIRONMENTAL CHECKLIST AND ENVIRONMENTAL EVALUATION

<table>
<thead>
<tr>
<th>Environmental Factors Potentially Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.</td>
</tr>
</tbody>
</table>

|☐ Aesthetics | ☐ Agriculture and Forestry Resources | ☐ Air Quality |
| ☐ Biological Resources | ☐ Cultural Resources | ☐ Geology/Soils |
| ☐ Greenhouse Gas Emissions | ☐ Hazards/Hazardous Materials | ☐ Hydrology/Water Quality |
| ☐ Land Use/Planning | ☐ Mineral Resources | ☐ Noise |
| ☐ Population/Housing | ☐ Public Services | ☐ Recreation |
| ☐ Transportation/Traffic | ☐ Utilities/Services Systems | ☐ Mandatory Findings of Significance |

Environmental Determination

On the basis of this initial evaluation:

☑ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A NEGATIVE DECLARATION will be prepared.

☐ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☒ I find that the proposed project MAY have a “potentially significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measure based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Date: ____________________  Signed: ____________________________________
Environmental Checklist and
City of Napa–Solid Waste Enclosure Standards Update
Environmental Evaluation
Initial Study/Negative Declaration

<table>
<thead>
<tr>
<th>Environmental Issues</th>
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<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aesthetics</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Would the project:</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>a)</td>
<td>Have a substantial adverse effect on a scenic vista?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>b)</td>
<td>Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic building within a state scenic highway?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>c)</td>
<td>Substantially degrade the existing visual character or quality of the site and its surroundings?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>d)</td>
<td>Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
</tbody>
</table>

Environmental Evaluation

Discussion
The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including aesthetic resources, would occur. Overall, beneficial aesthetic impacts would occur, due to enhanced waste receptacle enclosure standards that would require adequate capacity and appropriate enclosure design, thereby enhancing visual shielding of waste receptacles.

Conclusion
There would be no impacts on scenic vistas or resources, and the project would not include any construction that would degrade existing visual character, damage scenic resources, or create a source of glare that would adversely affect daytime or nighttime views in the area. No impacts would occur.

Standard Mitigation Measures
None.

Special Mitigation Measures
None.
Environmental Issues

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Agriculture and Forestry Resources</td>
<td></td>
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<tr>
<td>In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state’s inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project:</td>
<td></td>
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<tr>
<td>a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>✗</td>
</tr>
<tr>
<td>b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>✗</td>
</tr>
<tr>
<td>d) Result in the loss of forest land or conversion of forest land to non-forest use?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>✗</td>
</tr>
</tbody>
</table>

Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including agricultural resources, would occur. Implementation of the updated Waste Enclosure Update standards would occur on project sites already developed or being developed for urban uses, and therefore would not conflict with agricultural or forest lands.
Conclusion

The project would have no impacts on agricultural resources or conflict with zoning or policies for agricultural resources. The project would not conflict with a Williamson Act contract, convert agricultural resources, or result in the loss of forest land or agricultural uses.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
3. **Air Quality**

*Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations.*

Would the project:

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Conflict with or obstruct implementation of the applicable air quality plan?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>d) Expose sensitive receptors to substantial pollutant concentrations?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>e) Create objectionable odors affecting a substantial number of people?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
</tbody>
</table>

**Environmental Evaluation**

**Discussion**

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including air quality, would occur. Changes to the standards would not result in any requirements that may result in significant air emissions. Construction emissions related to the construction of or updating of enclosures would not be significantly different from those that would occur under the current standards. The Waste Enclosure Update would not result in waste stream producer or hauler vehicle trips and related air emissions significantly different from those that currently occur.

**Conclusion**

The enclosure standard updates would have no impacts on air quality, conflict with air quality standards or plans, expose sensitive receptors, or create objectionable odors, as it does not propose any construction or additional uses that would degrade air quality.
Standard Mitigation Measures

None.

Special Mitigation Measures

None.
### Environmental Issues

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4. Biological Resources</strong></td>
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<tr>
<td><strong>Would the project:</strong></td>
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</tr>
<tr>
<td>a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of wildlife nursery sites?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
</tbody>
</table>

### Environmental Evaluation

**Discussion**

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including biological resources, would occur. Implementation of the updated Waste Enclosure Update standards would occur on project sites already developed or being developed for urban uses, and therefore would not result in direct conflict with biological resources.
Conclusion
The enclosure standard update would have no impacts on biological resources or conflict with candidate, sensitive, or special species. The enclosure standard update would not have substantial adverse effects on riparian habitats, sensitive natural communities, or federally protected wetlands. The enclosure standards updates would not interfere with any native or migratory fish or wildlife species. Any subsequent development would be subject to all pertinent permitting regulation by the City—including project-specific analysis and all plans, policies, and ordinances pertaining to biological resources—will continue to be maintained.

Standard Mitigation Measures
None.

Special Mitigation Measures
None.
Environmental Issues | Potentially Significant Impact | Less than Significant Impact with Mitigation Incorporated | Less than Significant Impact | No Impact
---|---|---|---|---
5. Cultural Resources
   Would the project:
   a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?  
      ![X]  ![X]  ![X]  ![X]
   b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?  
      ![X]  ![X]  ![X]  ![X]
   c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?  
      ![X]  ![X]  ![X]  ![X]
   d) Disturb any human remains, including those interred outside of formal cemeteries?  
      ![X]  ![X]  ![X]  ![X]

Environmental Evaluation

Discussion
The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including cultural resources, would occur. Implementation of the updated Waste Enclosure Update standards would occur on project sites already developed or being developed for urban uses, and therefore would not conflict with present archaeological sites. Future projects would address any unanticipated discovery of archaeological resources by complying with Policy Resolution 27.

Conclusion
The enclosure standard update would have no impacts on cultural resources or cause a substantial change to historical or archaeological resources. The enclosure standards updates would not disturb any human remains or destroy a unique resource, site, or geologic feature.

Standard Mitigation Measures
None.

Special Mitigation Measures
None.
Environmental Issues | Potentially Significant Impact | Less than Significant Impact with Mitigation Incorporated | Less than Significant Impact | No Impact
--- | --- | --- | --- | ---
6. Geology and Soils
Would the project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving:

i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.

b) Result in substantial soil erosion or the loss of topsoil?

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?

e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?

Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including geologic resources, would occur.
The City of Napa, located within the San Francisco Bay Area, is subject to potential ground shaking in the event of an earthquake. The City of Napa contains one active fault, West Napa Fault, and is not located within an Alquist-Priolo Special Studies Zone (the closest of which is Mount George to the east). There are areas within the City that have been identified to contain unstable soils and could be subject to ground shaking in the event of an earthquake. Policy Resolution 27 contains standard mitigation measures that would reduce potential erosion and ground shaking effects to less than significant. Construction of waste enclosures would be subject to this policy, as applicable.

Conclusion

The enclosure standard update would have less than significant impacts on people or structures, due to seismic shaking, fault rupture, liquefaction, landslides, loss of topsoil, landslides, expansive soil, or use of septic tanks. The enclosure standard updates would occur within projects that have been constructed in compliance with the City’s zoning code and subject to CEQA and city regulations.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
Environmental Issues

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
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<th>Less than Significant Impact</th>
<th>No Impact</th>
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<tbody>
<tr>
<td>7. Greenhouse Gas Emissions</td>
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<tr>
<td>Would the project:</td>
<td></td>
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</tr>
<tr>
<td>a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>b) Conflict with any applicable plan, policy or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
</tbody>
</table>

Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including greenhouse gas emissions, would occur. Implementation of the Waste Enclosure Update standards would apply to project sites already developed or being developed and would not result in greenhouse gas emissions significantly different from those of construction or operation of the enclosures. Therefore, impacts to greenhouse gas emissions would be less than significant.

Conclusion

The enclosure standard update would have no impacts on greenhouse gas emissions or conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases. Enclosures constructed or modified to be consistent with the updated standards would be similar to existing enclosures, their uses, and construction methods.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
### Environmental Issues

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<thead>
<tr>
<th>Environmental Issues</th>
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<td><strong>8. Hazards and Hazardous Materials</strong></td>
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<tr>
<td><em>Would the project:</em></td>
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<tr>
<td>a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?</td>
<td>☐</td>
<td>☐</td>
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<td>☑</td>
</tr>
<tr>
<td>b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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<tr>
<td>g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?</td>
<td>☐</td>
<td>☐</td>
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</tbody>
</table>
Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including hazardous material resources, would occur. The enclosure standard updates would occur within project sites that have been or will be constructed in compliance with the City’s zoning code and subject to CEQA, city, and state regulations, including those related to hazardous materials, airports, and wildfire hazards.

Conclusion

The project would have less than significant impacts on hazardous material resources. The project would not create significant hazards to the public or environment, emit any hazardous materials within a quarter-mile of a school, and would not be located on a site that is included on a list of hazardous materials that has not been appropriately remediated. The project would not conflict airport regulations or emergency evacuation.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
## Environmental Issues

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<tr>
<th>Environmental Issues</th>
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<tr>
<td><strong>9. Hydrology and Water Quality</strong></td>
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<tr>
<td><strong>Would the project:</strong></td>
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<tr>
<td>a) Violate any water quality standards or waste discharge requirements?</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted?</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>c) Substantially alter the existing drainage pattern of area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>e) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>f) Otherwise substantially degrade water quality?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>j) Inundation by seiche, tsunami, or mudflow?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tbody>
</table>
Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including hydrology and water quality resources, would occur. The Waste Enclosure Update, however, does require new development and redevelopment projects to incorporate best management practices to minimize the generation, transportation, and discharge of pollutants to stormwater outlets.

The City has adopted Post-Construction Storm Water Pollution Prevention Design Standards for municipal solid waste (MSW). These standards include requirements for paved impervious surfaces, covered and protected enclosures, and closed bin and cart lids that fit securely at all times. According to the Waste Enclosure Update, Food Facilities shall be covered and protected from roof and surface drainage. The lowest part of the roof cannot be lower than 8 feet high and shall extend past any open sides for a distance equal to half the height of the opening with an additional 6 inches of front roof overhang. Businesses must demonstrate that their proposed enclosure is in compliance for all material generated by the business (Storm Water Quality Control Ordinance 8.36.00 Ordinance O2014-15). The updated Waste Enclosure Standards require that wastewater pollution be prevented. Wastewater from the cleaning of enclosures may not be discharged to, or allowed to reach, the street or storm drain system. To prevent this, wastewater drains must be installed in enclosures that service restaurants or other types of food facilities. Wastewater shall be discharged to the sanitary sewer in accordance with Napa Sanitation District (NSD) regulations.

Conclusion

The project would have less than significant impacts on hydrology and water quality resources. The updated Waste Enclosure Standards complies with all applicable water quality standards and would not deplete groundwater supply, substantially alter the existing drainage pattern of a site or area, create excess water runoff, or otherwise substantially degrade water quality.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including land use and planning resources, would occur. The updated enclosure standards would apply to project sites that have been or will be constructed in compliance with the City’s General Plan and zoning code, and would be subject to CEQA, city, and state regulations.

The proposed revisions to the Napa Municipal Code are consistent with the General Plan in that the amendments add requirements for space and containers for compostable materials in solid waste and recycling enclosures that are already required by the Napa Municipal Code. Because the sorting and collection of compostable materials is required by AB 1826 (which amends AB 939) by April 1, 2016, this is consistent with Community Services Goal CS-12 to provide for safe and environmentally sound municipal solid waste reduction and recycling programs that will allow the City to attain the requirements of AB 939. In addition, Land Use Goal LU-5 encourages attractive, well-located commercial development, and Land Use Goal LU-12 seeks to enhance and improve sustainable practices in Napa. The proposed amendments are consistent with the goal of maintaining attractive and clean enclosed areas at commercial developments for storage of all solid waste, recyclable materials, compostable materials, and (where applicable) grease, and with diverting recyclable materials and compostables from disposal as required by AB 939.
Conclusion

The project would have no impacts on land use planning resources. The project would not physically divide an established community, conflict with any applicable land use plan, or conflict with any habitat conservation plan.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
11. Mineral Resources  
**Would the project:**

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
</tbody>
</table>

**Environmental Evaluation**

**Discussion**

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including mineral resources, would occur.

**Conclusion**

The project would have no impacts on the availability or loss of mineral resources. The Waste Enclosure Update does not involve new construction or development that could potentially have an adverse effect on mineral resources.

**Standard Mitigation Measures**

None.

**Special Mitigation Measures**

None.
Environmental Checklist and City of Napa–Solid Waste Enclosure Standards Update

Environmental Evaluation

Initial Study/Negative Declaration

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### 12. Noise

*Would the project result in:*

<table>
<thead>
<tr>
<th>Environmental Issues</th>
<th>Potentially Significant Impact</th>
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<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a</strong></td>
<td>Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td><strong>b</strong></td>
<td>Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td><strong>c</strong></td>
<td>A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td><strong>d</strong></td>
<td>A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td><strong>e</strong></td>
<td>For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td><strong>f</strong></td>
<td>For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

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**Environmental Evaluation**

**Discussion**

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including noise resources, would occur. The enclosure standard updates would occur within project sites that have been or will be constructed in compliance with the City’s General Plan and zoning code, and would be subject to CEQA, city, state, and Airport Land Use Compatibility Plan regulations. Potential construction- and operational-related noise of updated enclosures would be similar to that of existing enclosures.
Conclusion
The project would have less than significant impacts on noise resources. The Waste Enclosure Update would not expose any people to excess noise levels, groundborne or otherwise. The Waste Enclosure Update does not create a substantial permanent or temporary increase in noise levels within the City, nor would it cause exposure to significant airport noise.

Standard Mitigation Measures
None.

Special Mitigation Measures
None.
### Environmental Issues

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<tr>
<th>Environmental Issues</th>
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<tbody>
<tr>
<td><strong>13. Population and Housing</strong>&lt;br&gt;Would the project:</td>
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<tr>
<td>a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
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</tr>
<tr>
<td>c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?</td>
<td>☐</td>
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</tbody>
</table>

### Environmental Evaluation

#### Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including population and housing resources, would occur. The Waste Enclosure Update would not induce population growth or displace a substantial number of houses or people.

#### Conclusion

The project would have no impacts on population growth. The project would also have no impacts on displacing existing housing or people within the City. The project will serve only the existing population or growth approved by the City.

#### Standard Mitigation Measures

None.

#### Special Mitigation Measures

None.
Environmental Issues | Potentially Significant Impact | Less than Significant Impact with Mitigation Incorporated | Less than Significant Impact | No Impact
--- | --- | --- | --- | ---
14. Public Services
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

a) Fire protection? | ☐ | ☐ | ☐ | ☒
b) Police protection? | ☐ | ☐ | ☐ | ☒
c) Schools? | ☐ | ☐ | ☐ | ☒
d) Parks? | ☐ | ☐ | ☐ | ☒
e) Other public facilities? | ☐ | ☐ | ☐ | ☒

Environmental Evaluation

Discussion
The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including public service resources, would occur. The enclosure standard updates would be consistent with existing uses, and existing public services would continue to adequately serve the City.

Conclusion
The project would have no impacts on public services. There would be no increase in fire protection, police protection, schools, parks, or other public facilities.

Standard Mitigation Measures
None.

Special Mitigation Measures
None.
Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including recreational facilities, would occur. The enclosure standard updates would be consistent with existing uses, and existing recreation facilities would continue to adequately serve the City.

Conclusion

The project would have no impacts on recreation. There would be no physical deterioration or expansion of recreational facilities due to increased use.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>15. Recreation</td>
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<tr>
<td>a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?</td>
<td>☐</td>
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</table>
Environmental Issues

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<th>No Impact</th>
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16. Transportation/Traffic

**Would the project:**

a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

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b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

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c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

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d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

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e) Result in inadequate emergency access?

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f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

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<th></th>
<th></th>
</tr>
</thead>
</table>

**Environmental Evaluation**

**Discussion**

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including traffic and transportation, would occur. According to the Water Enclosure Update, all enclosures are required to have direct access for collection trucks, which means the collection truck can drive directly to the bin or compactor to insert lift forks. The Waste Enclosure Update included measures to directly benefit waste haulers and make accessibility easier. This includes the angle at which the driver accesses the bin, turning radius for the driver, and a maximum back-up distance.
Conclusion

The project would have no impacts on traffic and transportation. The project does not hinder the performance of circulation, conflict with a congestion management plan, or change any air traffic patterns. Design features will not create any hazards and will not inhibit adequate emergency access. All design features within the Waste Enclosure Update would improve accessibility and traffic flow.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.
Environmental Issues

17. Utilities and Service Systems

Would the project:

<table>
<thead>
<tr>
<th>Environmental Issue</th>
<th>Potentially Significant Impact</th>
<th>Less than Significant Impact with Mitigation Incorporated</th>
<th>Less than Significant Impact</th>
<th>No Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project’s projected demand in addition to the provider’s existing commitments?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>f) Be served by a landfill with sufficient permitted capacity to accommodate the project’s solid waste disposal needs?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
<tr>
<td>g) Comply with federal, state, and local statutes and regulations related to solid waste?</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☒</td>
</tr>
</tbody>
</table>

Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including utilities and service system resources, would occur. The Waste Enclosure Update ensures compliance with applicable federal and state statutes regarding solid waste, including AB 1826, which requires the capture and diversion of organic wastes. The Waste Enclosure Update would not call for new construction or expansion of wastewater and stormwater facilities beyond those required to serve the enclosures. Waste enclosures for food facilities would be required to include connections to existing wastewater sewage lines, to prevent wastewater from coming into contact with stormwater drains. Wastewater from enclosures would not result in the need for new off-site
conveyance or treatment facilities. The enclosure standard updates would be consistent with City permitting and processing requirements. Review of stormwater and wastewater infrastructure compliance would occur via the use permit or design review process.

**Conclusion**

The project would have no impacts on utilities or service systems. The project would not exceed wastewater treatment requirements, require construction of new wastewater or stormwater treatment facilities, cause insufficient water supply, or conflict with solid waste regulations.

**Standard Mitigation Measures**

None.

**Special Mitigation Measures**

None.
Environmental Issues | Potentially Significant Impact | Less than Significant Impact with Mitigation Incorporated | Less than Significant Impact | No Impact
---|---|---|---|---
18. Mandatory Findings of Significance

a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory? | | | | ✓

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)? | | | | ✓

c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly? | | | | ✓

Environmental Evaluation

Discussion

The Waste Enclosure Update details improved provision, accommodation, access, and enclosure of waste receptacles. The Waste Enclosure Update does not change the overall requirements for waste receptacle enclosures in such a way that significant negative changes to the environment, including impacts to habitat, wildlife population, plant or animal communities, endangered species, or cultural resources, would occur. The Waste Enclosure Update would not result in impacts that are individually limited, but cumulatively considerable, nor would it have substantial adverse effects on human beings. The Waste Enclosure Update includes requirements that improve the quality of life and the environment through increased waste enclosure visual screening, reduced stormwater pollution, better enclosure access, and the provision of appropriate and required waste receptacles. All updates have been made in the best interest of the environment, to ensure that municipal solid waste is appropriately sorted, separated, stored, and prepared for waste hauler removal.
Conclusion

The Waste Enclosure Update does not have the potential to degrade the quality of the environment, cause impacts that are individually limited but cumulatively considerable, or have substantial adverse effects on human beings.

Standard Mitigation Measures

None.

Special Mitigation Measures

None.


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Solid Waste, Recyclable Materials & Compostables Enclosure Standards
April 2017

Materials Diversion & Recycling Division
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DEFINITIONS

The capitalized words throughout this document have the following meanings:

**Authorized Contractor:** “Authorized Contractor” means any person authorized by the City Council to collect Municipal Solid Waste, Recyclable Materials, Yard Trimmings, Food Scraps and/or Compostables from others within the city limits in accordance with the provisions of Section 5.60 of the Napa Municipal Code.

**City:** “City” means the City of Napa, a municipal corporation, and all of the territory lying within the municipal boundaries of the City as presently existing or as such boundaries may be modified in the future.

**Co-Collected Yard Trimmings and Food Scraps:** “Co-Collected Yard Trimmings and Food Scraps” means Yard Trimmings generated at a residential premises that are co-collected with Food Scraps generated at the same residential premises (including a single family dwelling, duplex, triplex, fourplex or a Multi-Family Complex). “Co-Collected Yard Trimmings and Food Scraps” are stored together in Containers and are collected together. Co-Collected Yard Trimmings and Food Scraps shall not contain over 50% Food Scraps, by weight.

**Commercial & Business Establishments (Business or Businesses):** “Commercial & Business Establishments” or “Business” or “Businesses” means all hotels, motor courts, restaurants, offices or office buildings, stores, warehouses, factories, hospitals, assisted living facilities and all other premises used for functions other than dwelling houses.

**Compostables:** “Compostables” means those materials that are processed in a controlled biological decomposition process, which are source separated from the Municipal Solid Waste Stream. Compostables include Food Scraps, Soiled Paper Products and Yard Trimmings that do not contain hazardous waste.

**Containers:** “Containers” means watertight metal or plastic objects with lids or covers, designed and used to hold MSW, Recyclable Materials, Food Scraps, Yard Trimmings, Compostables or cooking oil/grease prior to collection. Containers include wheeled carts with lids, bins, open-top roll-off boxes, compactors and oil/grease tanks.

**Contamination:** “Contamination” means placing materials in a Container that is labeled and intended for storage of another type of material, and which would either interfere with the processing of the material or reduce the quality and value of the recovered material. For example, placing metals or plastics in a Container labeled “Yard Trimmings” constitutes “Contamination” because it would interfere with the equipment and processes used to compost or mulch the Yard Trimmings. Similarly, placing Food Scraps in a Container labeled “Recyclable Materials” would contaminate the Recyclable Materials, making it more difficult to properly sort and process them for marketing.

**Diversion:** “Diversion” means any combination of recycling, composting, re-use, donation, source reduction or other activities that reduces the quantity of Municipal Solid Waste disposed of from the City of Napa at the Devlin Road Transfer Station or any other appropriately permitted solid waste disposal facility.”
**Food Facility:** “Food Facility” means a Commercial & Business Establishment that stores, prepares, packages, serves, vends or otherwise provides food for human consumption.

**Food Scraps:** “Food Scraps” means surplus, spoiled or unsold food including, but not limited to, fruit, vegetables, meat and bones, seafood, dairy products, eggs and eggshells, rice, beans, bread, pasta, coffee grounds, and plate scrapings of these materials.

**Generate:** “Generate” means to bring into existence or create, or to use, maintain or possess an item, material or product, the result of which such creation, bringing into existence, use, maintenance or possession is that the item, material or product first becomes, or is converted, transformed, evolved to, or deemed as MSW, Recyclable Materials, Compostables or Yard Trimmings.

**Multi-Family Complex:** “Multi-Family Complex” means a building, dwelling unit or complex containing multiple residential dwelling units that houses more than five residences which have centralized collection points for MSW and Recyclable Materials and that does not have individual collection service for these materials at each unit. MSW and Recyclable Materials are collected from carts, bins, roll-off boxes and/or compactors located in one or more enclosures on the property. If the owner/manager of a Multi-Family Complex elects to store Yard Trimmings and/or Food Scraps (Compostables) on the property, these materials must be stored in accordance with the requirements contained herein.

**Municipal Solid Waste (MSW):** “Municipal Solid Waste” or “MSW” means all fractions of discarded putrescible and non-putrescible solid, semi-solid and liquid wastes, including garbage, trash refuse, paper, rubbish, ashes, industrial wastes, construction and demolition debris, discarded home and industrial appliances, manure, vegetable or animal solid and semi-solid wastes, and other non-hazardous discarded substances or materials.

**Recyclable Materials:** “Recyclable Materials” means material which otherwise would become or be treated as MSW but which, by means of a process of collecting, sorting, cleansing, treating and reconstructing, may be returned to the economic mainstream in the form of finished or source material for new, reused or reconstituted products, which may be used in the market place. “Recyclable Materials” includes glass, plastic, newspaper, junk mail, magazines, cardboard, metals, telephone books and other soft cover books, egg cartons, milk, juice and aseptic (foil-lined) cartons, boxboard (cereal and shoe boxes) and other similar materials.

**Significant Addition:** “Significant Addition” means a structure of (1) more than 500 square feet or (2) equal to or greater than 10% of the total building square footage, added to the original structure or site at some time after the completion of the original structure.

**Significant Remodel:** “Significant Remodel” means a remodel that (1) will increase the occupancy of the total gross building area by 50% or more; or (2) constitutes a change of use that results in one or both of the following: (a) an increase in the quantity of Municipal Solid Waste, Recyclable Materials and/or Compostables Generated; (b) the addition of one or more type(s) of materials Generated such as Municipal Solid Waste,
Recyclable Materials and/or Compostables (example: an office becomes a Food Facility); or (3) is determined by the Community Development Director to require that the area for storage of Municipal Solid Waste, Recyclable Materials and/or Compostables comply with all current adopted City Standards.

**Soiled Paper Products:** “Soiled Paper Products” means paper towels, tissue products, paper napkins, paper plates and cups, coffee filters, tea bags, waxed paper, butcher paper, paper take-out boxes and containers, greasy pizza boxes, paper bags and cardboard and wax-coated cardboard produce boxes. “Soiled Paper Products” does not include polystyrene, plastic-backed paper, blue-line paper or blueprints, diapers, kitty litter, any paper containing plastics, aluminum foil or foil-lined food wrap.

**Standards:** “Standards” or “Enclosure Standards” means the “Solid Waste, Recyclable Materials and Compostables Enclosure Standards” dated April 2017 adopted by the Napa City Council on ______, 2017 by Resolution 2017-______ and any future revisions thereto.

**Yard Trimmings:** “Yard Trimmings” means tree trimmings, grass cuttings, leaves, branches, and similar green materials, including vineyard clippings.
These Standards provide information, resources and the requirements for designing enclosures for storage of Municipal Solid Waste (MSW), Recyclable Materials, Food Scraps and Yard Trimmings that will be used by building occupants in new developments, and in existing structures that undergo Significant Remodels or Significant Additions.

These Enclosure Standards apply to projects/permits with a paid submittal of an application for City review dated on or after ______, 2017. This includes applications for Significant Additions and Significant Remodels of existing Commercial and Business Establishments and existing Multi-Family Complexes as defined in these Standards.

Projects and permits with a paid submittal of an application for City review dated on or after October 21, 2008 and prior to ______, 2017 are required to comply with the earlier version of the Standards titled "Solid Waste and Recycling Enclosure Standards" adopted by the City Council on October 21, 2008 (Napa Resolution R2008-185).

Along with ensuring adequate capacity for all of the above-listed materials Generated at the site, enclosures must also be able to accommodate storage of kitchen oil/grease if it is Generated. (Note: throughout these Standards you will see Food Scraps, Soiled Paper Products and Yard Trimmings often referred to together as "Compostables").

State law requires new development projects, including commercial, industrial or institutional buildings and Multi-Family developments of 5 units or more, to provide adequate, accessible and convenient areas for collecting and loading Recyclable Materials (See Public Resources Code §42900 et seq.). In addition, each local government, including the City of Napa, is required to reduce waste destined for landfills by 50 percent or risk a State-initiated fine of $10,000 per day. (See Public Resources Code §40000 et seq.). A new goal of diverting 75 percent of waste from landfill disposal by 2020 was established by both the State of California and the City of Napa in 2012 (Public Resources Code §41780.01 et seq. & Napa Resolution R2012-100)

The City, in cooperation with its Authorized Contractor, offers free waste assessments and consultations to help you determine what types of material may be Generated by your Business or Multi-Family Complex and provides resources and recommendations related to Container and enclosure sizing needs.

If you have any questions regarding the information in these Standards, or if you would like to schedule a free waste assessment to help determine your Container and enclosure size needs, please contact:

City of Napa
Materials Diversion & Recycling Division
(707) 257-9520
naparecycles@cityofnapa.org
I. COLLECTION AND STORAGE REQUIREMENTS

A. General

The Napa Municipal Code (NMC) requires all Businesses and Multi-Family Complexes within the City of Napa to subscribe to solid waste and recycling service offered by the City’s Authorized Contractor unless they are exempted from those requirements (NMC Section 5.60.160, Garbage Collection & Disposal). The service must adequately collect all MSW, Recyclable Materials and Compostables that may be Generated by your Business or Multi-Family Complex. All three of these categories require separation into different Containers and all Containers must be properly stored in an enclosure that meets the building requirements and environmental/safety regulations listed in Section III “Enclosure Design & Compliance Requirements” of this document and applicable sections of the NMC (specifically NMC Section 5.60, Garbage Collection & Disposal and NMC Section 8.16, Public Nuisances).

B. Non-Food Generating Businesses (Offices, Retail, Light Industrial)

State law requires all Businesses to Divert the Recyclable Materials they Generate effective July 1, 2012 (Public Resources Code §41780.01 et seq.). Therefore, all Businesses must size enclosures to store at least MSW and Recyclable Materials. If Yard Trimmings are Generated at your Business and are not hauled away by the landscaper or left as mulch on the grass or on other landscaped or garden areas, then your enclosure(s) must also have adequate space for storage of Yard Trimmings.

C. Multi-Family Complexes

State law requires all Multi-Family Complexes to the Divert Recyclable Materials they Generate effective July 1, 2012 (Public Resources Code §41780.01). Therefore, all Multi-Family Complexes must size enclosures to store at least MSW and Recyclable Materials. If Yard Trimmings are Generated at your Complex and are not hauled away by the landscaper or left as mulch on the grass or on other landscaped or garden areas, then your enclosure(s) must also have adequate space for storage of Yard Trimmings. At this time, Multi-Family Complexes are not considered to be “Food Facilities” and therefore are not required to Divert their Food Scraps. If your Complex voluntarily elects to Divert Food Scraps, then your enclosure(s) must have adequate space for storage of Food Scraps. Contact the City of Napa to discuss your plans. If your Complex is storing Yard Trimmings in the enclosure(s) it may be possible for your Complex to participate in the residential Co-Collected Yard Trimmings and Food Scrap program offered by the City’s Authorized Contractor. Depending upon the size of your Complex and the frequency of collection, this could save some space in your enclosure(s).

D. Food Facilities

If you are a Business that stores, prepares, packages, serves, vends or otherwise provides food for human consumption you are considered a Food Facility. Food Facilities may include, but are not limited to restaurants, grocery stores, schools, nursing homes and hospitals. The City of Napa offers an environmentally beneficial commercial food composting collection program that collects Compostables in 65-gallon carts with lids and special signage. All Food Scraps (fruit, vegetables, meat, fish, cheese, bread,
pasta, coffee grounds, etc.) as well as Soiled Paper Products are acceptable as Compostables. The State of California now requires all commercial Businesses that Generate specified quantities of Food Scraps to participate in a Food Scrap collection program (Public Resources Code §42649.8 et seq.). The deadlines for participating are as follows:

- Businesses that Generate 8 cubic yards or more of Food Scraps and/or Yard Trimmings per week must participate by April 1, 2016.
- Businesses that Generate 4 cubic yards or more of Food Scraps and/or Yard Trimmings per week must participate by January 1, 2017.
- Businesses that Generate 4 cubic yards or more of MSW per week must participate by January 1, 2019.
- Businesses that Generate 2 cubic yards of MSW per week may be required to participate in the future.

All Food Facilities that Generate 250 lbs. per week or more of Compostables (consisting of Food Scraps, Soiled Paper Products and/or Yard Trimmings that are not hauled away by a landscaper/gardener) must provide adequate space within their enclosure(s) to accommodate 65-gallon Food Scrap/Compostables carts and comply with building requirements related to the storage of food. Per the City and County of Napa, these building requirements require the installation of a roof and drain that is connected to the sanitary sewer. All connections to the sanitary sewer require compliance with Napa Sanitation District requirements. Detailed information about these requirements can be found in Section III “Enclosure Design & Compliance Requirements” If any future tenants will be, or may be, Food Facilities Generating 250 lbs. per week or more of Compostables (consisting of Food Scraps, Soiled Paper Products and/or Yard Trimmings that are not hauled away by a landscaper/gardener) the enclosure(s) must be designed to accommodate an adequate number of 65-gallon carts for storage of Food Scraps/Compostables. Additionally, Food Facilities that generate cooking oil/grease must provide adequate space in the enclosure(s) for a container designed specifically for the storage and collection of cooking oil and grease.

II. DETERMINING ENCLOSURE SIZE

A. Maximizing Collection Efficiency

- The automated collection trucks used by the City’s Authorized Contractor achieve maximum efficiency when the number of times the driver gets out of the truck is minimized. Properly designed enclosures allow the driver to “stab” the bin without physically moving it when bins are used for collection. Maximizing efficiencies help keep solid waste fees reasonable.
- Additionally, the collection system is most efficient and economical if trucks only need to service a site once per week. The goal is to size enclosures to be large enough to contain one-week’s volume of MSW, Recyclable Materials and Compostables when possible. It is also important to obtain sufficient service to prevent material from overflowing or being stored on the ground. Uncontainerized debris is a violation of the City’s municipal code and will not be
solid waste, recyclable materials & compostables enclosures standards, city of napa

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collected by the city’s authorized contractor. (nmc section 8.36, stormwater pollution control). please note that sizing enclosures to require collection more than 3 times per week requires the applicant to obtain an exemption from the code enforcement officer assigned to solid waste and recycling.

b. user convenience to minimize contamination of recyclable materials and compostables

enclosures must be designed to make it convenient for those using the various containers (tenants, employees, and property owners) to conveniently place msw, recyclable materials and compostables in the correct containers with a minimum effort. containers should not be placed in front of each other to avoid restricting access to each. rather, containers should “wrap” the perimeter of the enclosure whenever possible to allow access to each container.

c. indoor solid waste storage

some businesses prefer to store collection containers in a room or area that is permanently attached to the business. this is an acceptable method for the storage of all necessary collection containers. in addition to providing adequate space for all msw, recyclable materials, compostables and cooking oil/grease that may be generated, all requirements found in section iii “enclosure design & compliance requirements” must be followed as well as any additional state and local codes related to indoor solid waste storage. these requirements include, but are not limited to the installation of an approved automatic sprinkler system and gate access into the storage area.

d. determining service needs for municipal solid waste (msw) & recyclable materials generators

in order to determine what type and how much service your business will need, you must first determine the type of materials you will generate at your business. the three primary service types that require separation into different containers are: msw, recyclable materials, and compostables (food scraps, soiled paper products and/or yard trimmings). will your business generate all three categories of material? keep in mind that most multi-family complexes and business properties have commercial landscapers who leave grass clippings on lawns or remove the yard trimmings. if this is the case, there is no need to make enough room for a yard trimmings cart. if you are a food facility that will produce food scraps and other compostables please see section d “determining service needs for food facilities” to determine your enclosure sizing needs. food facilities must construct an enclosure that has a roof and must install a drain connected to the sanitary sewer. specific details can be found in section iii “enclosure design & compliance requirements” of this document. keep in mind that light industrial/commercial properties are required to have at least one enclosure sized for the collection of compostables. additionally, where tenants are specified and do generate food, the nearest enclosure to that business shall be designed to meet standards for a food facility enclosure. table a will help determine the enclosure size needed based on the type and size of the business.
### TABLE A

(Municipal Solid Waste (MSW) & Recyclable Materials ONLY)

Enclosure Size & Container Need by Building Use, Square Footage, and Estimated Weekly Generation

<table>
<thead>
<tr>
<th>Business / Land Use</th>
<th>Square Footage</th>
<th>Estimated Weekly Generation*</th>
<th>Enclosure Size Required (width x depth)</th>
<th>Sample Diagram**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office, Retail, Industrial and General Commercial**</td>
<td>Less than 5,000 sq. ft.</td>
<td>2 cubic yards</td>
<td>11’ x 6’</td>
<td>A. Cart Enclosure***</td>
</tr>
<tr>
<td></td>
<td>5,000-10,000 sq. ft.</td>
<td>4 cubic yards</td>
<td>17’ x 7’</td>
<td>B. Small Bin Enclosure (two 2-yd. bins)</td>
</tr>
<tr>
<td></td>
<td>10,000-20,000 sq. ft.</td>
<td>8 cubic yards</td>
<td>17’ x 8’</td>
<td>C. Medium Bin Enclosure (two 4-yd. bins)</td>
</tr>
<tr>
<td></td>
<td>over 20,000 sq. ft.</td>
<td>12 cubic yards or more</td>
<td>17’ x 10’</td>
<td>D. Large Bin Enclosure or multiple enclosures (two 6-yd. bins or &gt;)</td>
</tr>
<tr>
<td>Multi-Unit Residential**</td>
<td>20 units or less</td>
<td>8 cubic yards</td>
<td>17’ x 8’</td>
<td>C. Medium Bin Enclosure (two 4-yd. bins)</td>
</tr>
<tr>
<td></td>
<td>Each additional 20 units</td>
<td>8 cubic yards</td>
<td>17’ x 8’</td>
<td>C. Medium Bin Enclosure (two 4-yd. bins)</td>
</tr>
</tbody>
</table>

* Generation assumes 50% MSW and 50% Recyclable Materials with no Compostables or Yard Trimmings (Assumes Yard Trimmings are removed by landscapers or mulched on-site)

** Sample diagrams for each of the MSW & Recyclable Materials enclosures are in Exhibits A-D

*** Cart-only service for generation beyond 2 cubic yards may require multiple pickups per week for Businesses with limited space

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**E. Determining Service Needs for FOOD FACILITIES**

The City of Napa, via its Authorized Contractor, offers weekly collection of 65-gallon Food Scrap/Compostables carts. Collection service is most efficient and cost effective if your enclosure is built to hold one week’s worth of material. The enclosure must be sized to hold all of the Containers that your Food Facility requires, which will include Containers for MSW, Recyclable Materials, Compostables and a cooking oil/grease tank if your Business Generates oil and grease. Table B is a guideline to help determine weekly material generation from a restaurant based on the size of the Food Facility, the quantity and type of Containers needed for service, and the size of enclosure that is needed to house Containers. Individual results may vary depending on preparation methods and materials, reuse of leftovers, and type of food service. When doing your planning, keep in mind any seasonal changes and future Business changes that may increase the amount of material Generated, therefore increasing the number and/or size of Containers required. Food Facilities such as nursing homes and hospitals require a waste assessment to accurately assess their needs.
Table B will help determine the enclosure size needed based on the size of the Food Facility:

<table>
<thead>
<tr>
<th>Business /Land Use</th>
<th>Square Footage</th>
<th>Estimated Weekly Generation*</th>
<th>Enclosure Size Required (width x depth)</th>
<th>Sample Diagram**</th>
<th>Containers Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Food Facility <strong>WITHOUT</strong> Oil/Grease Tank</td>
<td>Less than 4,000 sq. ft.</td>
<td>2 cubic yards</td>
<td>9’ x 8’</td>
<td>E. Extra Small Food Enclosure</td>
<td>1, 95-gal MSW Cart 1, 95-gal Recyclable Materials Cart 3, 65-gal Compostables Carts</td>
</tr>
<tr>
<td></td>
<td>4,000-8,000 sq. ft.</td>
<td>4 cubic yards</td>
<td>13’ x 12’</td>
<td>F. Small Food Enclosure</td>
<td>2, 95-gal MSW Carts 2, 95-gal Recyclable Materials Carts 6, 65-gal Compostables Carts</td>
</tr>
<tr>
<td></td>
<td>8,000-16,000 sq. ft.</td>
<td>8 cubic yards</td>
<td>21’ x 11’</td>
<td>G. Medium Food Enclosure***</td>
<td>1, 2 yd. MSW Bin 1, 2 yd. Recyclable Materials Bin 6, 65-gal Compostables Carts 2X/wk.</td>
</tr>
<tr>
<td></td>
<td>Over 16,000 sq. ft.</td>
<td>12 cubic yards or more</td>
<td>21’ x 11’</td>
<td>H. Large Food Enclosure***</td>
<td>1, 3 yd. MSW Bin 1, 3 yd. Recyclable Materials Bin 9, 65-gal Compostables Carts 2X/wk.</td>
</tr>
<tr>
<td>Food Facility <strong>WITH</strong> Oil/Grease Tank</td>
<td>Less than 4,000 sq. ft.</td>
<td>2 cubic yards</td>
<td>13’ x 7’</td>
<td>I. Extra Small Food/Oil Enclosure</td>
<td>1, 95-gal MSW Cart 1, 95-gal Recyclable Materials Cart 3, 65-gal Compostables Carts 1, 100-gal Oil/Grease Tank</td>
</tr>
<tr>
<td></td>
<td>4,000-8,000 sq. ft.</td>
<td>4 cubic yards</td>
<td>20’ x 10’</td>
<td>J. Small Food/Oil Enclosure</td>
<td>2, 95-gal MSW Carts 2, 95-gal Recyclable Materials Carts 6, 65-gal Compostables Carts 1, 200-gal Oil/Grease Tank</td>
</tr>
<tr>
<td></td>
<td>8,000-16,000 sq. ft.</td>
<td>8 cubic yards</td>
<td>21’ x 11’</td>
<td>K. Medium Food/Oil Enclosure***</td>
<td>1, 2 yd. MSW Bin 6, 65-gal Compostables Carts 2X/wk. 1, 200-gal Oil/Grease Tank</td>
</tr>
<tr>
<td></td>
<td>Over 16,000 sq. ft.</td>
<td>12 cubic yards or more</td>
<td>21’ x 12’</td>
<td>L. Large Food/Oil Enclosure***</td>
<td>1, 3 yd. MSW Bin 6, 65-gal Compostables Carts 2X/wk. 1, 300-gal Oil/Grease Tank</td>
</tr>
</tbody>
</table>

* Generation assumes 25% MSW, 25% Recyclable Materials and 50% Compostables
** Sample diagrams for each of the Food Facility enclosure types are in Exhibits E-L
*** Medium and Large Food Facility enclosures require twice a week collection of Compostables carts
III. ENCLOSURE DESIGN AND COMPLIANCE REQUIREMENTS

I. Construction & Design

A. Location & Accessibility

1. All enclosures are required to have direct access for collection trucks. Direct access means the collection truck can drive directly at the bin or compactor, and insert the forks into the sides of the bin without the driver having to get out of the truck again (since the driver already must open the gate) to move the bin (See Diagram Below). A minimum straight approach of 50 feet is necessary to line up directly with bins and 75 feet is required for access to compactors and roll-off boxes.

2. Opening/closing gates or fences and locking/unlocking the bin lids are part of the driver’s responsibility and are included as part of the service provided.

Enclosures with poor accessibility, no accessibility or enclosures with atypical orientations are not permitted because the likelihood of driver injury and/or property damage increases. In addition, if a driver is required to move or push the bin in order to empty it, an additional collection fee may be charged.

- It is difficult and dangerous for a collection truck to back-up. Providing a turn around or separate exit that allows the truck to move forward rather than backwards is required. Maximum back-up distance is 50 feet for any maneuver and shall be in a straight line. A 75’ distance is required for compactors or roll-off boxes.

- Containers shall not be placed in front of fire hydrants or equipment and no bin shall be placed within 5 feet of a combustible building wall, opening, or combustible roof eave line; and

- Enclosures shall not be installed behind parking spaces or landscaping.
B. Driveways

1. An asphalt or concrete driveway with 50 feet of straight, direct access that leads to and from the enclosures to bins and 75 feet for compactors and roll-off boxes, is required and should be built in accordance with the City Standard Plans and Specifications and be able to withstand trucks weighing up to 56,000 lbs. Gross Vehicle Weight (GVW).

C. Turning Radius Requirements & Truck Dimensions

1. The turning radius shall be adequate for a 3-axle truck. The overall length, including the forks is 36 feet. Please detail this on your submitted plans.

---

**Turning Radius**

<table>
<thead>
<tr>
<th>Description</th>
<th>Dimension (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Turning radius</td>
<td>37.39</td>
</tr>
<tr>
<td>Curb to curb turning diameter</td>
<td>76.86</td>
</tr>
<tr>
<td>Wall to wall turning diameter</td>
<td>85.94</td>
</tr>
</tbody>
</table>

*Note: the numbers above are a compilation of maximum numbers for the fleet.*
D. **Stress Concrete Apron**
   1. Apron surface shall be the same elevation as the enclosure pad threshold and the surrounding surfaces, with a slope of 1/8 inch (1% grade) per foot away from the enclosure pad; and,
   2. To prevent damage to the asphalt paving by container impact, the enclosure shall be provided with an apron that extends a minimum of 8 feet from the enclosure pad and matches the width of the enclosure opening. This apron shall have a minimum sub-base of 4" of class 2 aggregate and shall consist of 3,000 psi concrete (six sack mix) or stronger, which is at least 6" thick with #4 rebar placed mid height at 12" on center each way. Alternatively, the builder shall provide evidence that construction specifications are engineered to withstand a minimum of 20,000 lbs. of direct downward force from a single truck axle.

E. **Enclosure Concrete Pad**
   1. Enclosure pad shall be engineered to withstand up to 20,000 lbs. of direct force from a single truck axle; and
   2. Enclosure pad surface shall be the same elevation as the apron threshold.
   3. Food Facility enclosures that have a drain connected to the sanitary sewer must have a grade break line constructed on the open side at the inside edge of the wall with the slab sloping inwards on the inside of the structure and away from the structure on the outside. Additionally, the ground shall be sloped away from the structure on all other sides (Napa Sanitation District (NSD) requirement).
4. The City requires that the grade of all non Food Facility enclosure pads be flat such that no stormwater shall escape the enclosure if commingled with MSW.

F. Height Clearance of Enclosure Approach

1. In front of the enclosure, collection trucks require at least 14 feet of vertical clearance over the entire approach to and from the enclosure to accommodate truck height, and 32 feet high just in front of the enclosure itself or wherever the bin will be emptied to accommodate the truck lifting the bins up to dump the contents.

2. Food Facility enclosures require a roof and must have a roof height inside the enclosure of no less than 8 feet.

G. Interior

1. Please refer to Exhibits A-N to determine enclosure size.

2. The minimum interior dimension for an enclosure needed to house at least two (2) cubic yard bins is 17’ X 7’. For cart-only service the minimum size is 11’ X 6’ to store two 95-gal MSW carts and two 95-gal Recyclable Materials carts. The smallest size enclosure for a Food Facility without an oil/grease tank is 9’ X 8’ to house one 95-gal cart for MSW, one 95-gal cart for Recyclable Materials and three 65-gal Compostables carts. Interior dimensions will increase depending on the size, type and number of Containers (See Section II. Determining Enclosure Size for recommended sizes.)

3. The enclosure shall be large enough to provide a 6” clearance from the back interior wall to all bins and/or compactors and a minimum of 16” or more to each side of any bin or compactor. Additionally, 36” is required from the front of all bins or compactors to the front gate. All Containers, including carts and oil/grease tanks must have a minimum of 3” between them. No clearance is required between the back enclosure wall and carts for cart service. Adding a wood or rubber bumper on the back wall to prevent damage to the enclosure during servicing of bins or compactors is recommended. Bollards or other permanent or semi-permanent structures shall not be used within the enclosure. These structures reduce useable interior Container space and accessibility.
H. Wall Height
   1. Minimum 6 feet

I. Material
   1. Generally, the material should match the exterior surface of the building. See the Design Guidelines from the Community Development Department if you have any questions. The City encourages compliance with the Leadership in Energy and Environmental Design (LEED) New Construction and Major Renovations Standards for Storage and Collection of Recyclable Materials or comparable Build it Green Standards. (See Appendix B for more information.)

J. Roof
   1. According to the City of Napa Post-Construction Stormwater Pollution Prevention Design Standards for new development and redevelopment, enclosures for Food Facilities that are connected to the sanitary sewer shall be covered and protected from roof and surface drainage. The lowest part of the roof cannot be lower than 8 feet high and shall extend past any open sides for a distance equal to ½ the height of the opening (i.e. if the roof is 10 feet above the ground it is required to extend 5 feet past the wall – Napa Sanitation District (NSD) requirement). Additionally, the City requires a 6” front roof overhang on all Food Facility enclosures. Enclosures that are not being used for the storage of Food Scraps are not required to have a 6” roof overhang.
   2. The City has in place a Storm Water Quality Control Ordinance 8.36.00 (Ordinance O2014-15) that requires all applicants to demonstrate that their proposed enclosure is in compliance for all material Generated by the Businesses.

K. Gates/Pedestrian Doors
   1. Two gates are required for enclosures. When the enclosure does not allow for two gates, it may necessitate a single gate that shall open to 110 degrees.
   2. Gates shall be free standing with no center pole or if there is a center pole, add 12 inches to the length of the gate side of the enclosure.
   3. Gates shall be solid metal with outside handles on each door and a slide latch to secure the doors;
   4. Gated opening for ingress/egress of bins shall be a minimum of 16 feet wide with no posts in the middle, place gate posts outside this span to avoid reducing the span;
   5. Use bolts, not screws, to secure gate to the poles or walls;
   6. Provide means to secure gate doors both opened and closed, e.g. cane bolt w/sleeve and slide latch between doors and sleeve in pavement. The bolts should be a minimum ½ inch in diameter and the sleeves for both should be a minimum of 1 inch or double the size of the bolt to allow flexibility. Be sure to have bolt drop a minimum of 4 inches into the ground.
7. Gates shall remain closed unless in use and must open to at least 110 degrees and be able to be secured open.

8. Enclosure shall be kept clean with all MSW, Recyclable Materials and Compostables placed in the proper container.

9. A separate additional pedestrian entrance with a door (to reduce scavenging) is required from the back or the side for both non-residential facilities and residential Multi-Family Complex developments.

10. The California Building Code requires the pedestrian entrance door to open with no more than 5 lbs. of force. The opening hardware should be lever type centered 34” – 44” above the finished surface and the bottom 10” of the gate shall have a smooth, uninterrupted surface to allow the gate to be opened by a wheelchair footrest without creating a trap or hazardous condition.

L. **Signage**
   1. The area directly in front of the enclosure gates shall have “NO PARKING” painted on the ground and signs permanently affixed to the gates stating the same.

M. **Electrical**
   1. If a compactor will be used, the enclosure will most often require a double phase 220 outlet. In some cases a single phase 110 is necessary. Compactor specifications should be consulted prior to wiring of an electrical outlet.

N. **Storage**
   1. The property owner shall ensure that only MSW, Recyclable Materials and Compostables Containers, as well as an oil/grease tank (if applicable), are stored in the enclosure. The enclosure is strictly for the storage of Containers and cannot be used for general storage of restaurant racks, wood pallets, electronic equipment, etc. Additionally, structures such as storage sheds should not be placed within enclosures.

Storage sheds, pallets, and equipment other than Containers actively being used for the collection of MSW, Recyclables and Compostables are not permitted within enclosures.
II. Safety & Environmental

A. Storm Water Pollution Prevention
   1. Chapter 8.36, Storm water Runoff Pollution Control, of the City of Napa’s Municipal Code states that it is unlawful for any person to make or cause to be made any illicit discharge.

   2. This ordinance also requires new development and redevelopment projects to incorporate best management practices (BMPs) to minimize the generation, transport and discharge of pollutants to storm water outlets.

   3. Post-Construction Storm Water Pollution Prevention Design Standards for new development and redevelopment have been adopted by the City of Napa. These standards require the following for MSW Storage Areas - Limited Exclusion: Detached residential homes:
      a. MSW storage areas shall be paved with an impervious surface, designed not to allow run-on from adjoining areas, and screened or walled to prevent off-site transport of MSW.
      b. Enclosures for Food Facilities shall be covered and protected from roof and surface drainage.
      c. Bin and cart lids shall be closed at all times and fit securely. Do not allow MSW to spill out or overflow the bin or cart.
      d. Wastewater from the cleaning of enclosure areas and areas where MSW is stored or contained may not be discharged to, or allowed to reach, the street or storm drain system. Wastewater may not be left as “standing” water. Any enclosure wastewater discharged to the sanitary sewer shall be in accordance with Napa Sanitation District (NSD) requirements. NSD can be contacted at: (707) 258-6000 or info@napasan.com
      e. Leakage from Containers shall not be discharged to, or allowed to reach, the storm drain system.

B. Wastewater Pollution Prevention
   1. The City and County of Napa require installation of drains that connect to the sanitary sewer for Food Facility enclosures that are servicing restaurants or other types of Food Facilities (i.e. grocery stores). Napa Sanitation District (NSD) requires that the wastewater drain be connected to the facility’s grease interceptor upstream of the public sanitary sewer system. NSD also has other cover and drainage requirements.

C. Fire Prevention
   Per the current California Fire Code, as amended by the City of Napa, compliance with the following is required:

   1. Storage of combustible material shall not produce conditions that will create a nuisance or a hazard to the public health, safety or welfare.
2. Combustible material, and MSW kept within a structure shall be stored in accordance with the California Fire Code.

3. Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a listed disposable Container. Contents of such Containers shall be moved and disposed of daily.

4. Containers with a capacity exceeding 5.33 cubic feet (40 gallons) (0.15m cubed) shall be provided with lids. Containers and lids shall be constructed of noncombustible materials or approved combustible materials.
   a. Exception: Wastebaskets complying with Section 808 and 304.3.3 of the California Fire Code

5. Containers with an individual capacity of 1.5 cubic yards, 40.5 cubic feet (1.15 m cubed) or more shall not be stored in buildings or placed within 5 feet (1524 mm) of combustible walls, openings or combustible roof eave lines.
   a. Exception: Containers in areas protected by an approved automatic sprinkler system installed throughout in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.2.3.2 of the California Fire Code
   b. Exception: Storage in a structure shall not be prohibited where the structure is of Type I or IIA construction, located not less than 10 feet from other buildings and used exclusively for Container storage.

6. Containers with an individual capacity of 1.0 cubic yards, 200 gallons or more shall not be stored in buildings or placed within 5 feet of combustible walls, openings or combustible roof eave lines unless the Containers are constructed of noncombustible materials or of combustible materials with a peak rate of heat release not exceeding 300kW/m² when tested in accordance with ASTM E 1354 at an incident heat flux of 50 kW/m² in the horizontal orientation.
   a. Exception: Containers in areas protected by an approved automatic sprinkler system installed throughout in accordance with Section 903.3.1.1, 903.3.1.2 or 903.3.2.3.2 of the California Fire Code
   b. Exception: Storage in a structure shall not be prohibited where the structure is of Type I or IIA construction, located not less than 10 feet from other buildings and used exclusively for Container storage.
EXHIBITS

MSW and Recyclable Materials Enclosures
Exhibit A: Standards for Cart-Only MSW and Recyclable Materials Enclosure
Exhibit B: Standards for Small Bin MSW and Recyclable Materials Enclosure
Exhibit C: Standards for Medium Bin MSW and Recyclable Materials Enclosure
Exhibit D: Standards for Large Bin MSW and Recyclable Materials Enclosure

Food Facility Enclosures WITHOUT Oil/Grease Tank
Exhibit E: Standards for Extra Small Food Facility Enclosure
Exhibit F: Standards for Small Food Facility Enclosure
Exhibit G: Standards for Medium Food Facility Enclosure
Exhibit H: Standards for Large Food Facility Enclosure

Food Facility Enclosures WITH Oil/Grease Tank
Exhibit I: Standards for Extra Small Food Facility Enclosure with Oil/Grease Tank
Exhibit J: Standards for Small Food Facility Enclosure with Oil/Grease Tank
Exhibit K: Standards for Medium Food Facility Enclosure with Oil/Grease Tank
Exhibit L: Standards for Large Food Facility Enclosure with Oil/Grease Tank
Exhibit H

Food Facility
WITHOUT Oil/Grease Tank
Large Food Enclosure

Interior enclosure dimensions and layout shown
Exhibit I

Food Facility WITH Oil/Grease Tank Extra Small Food/Oil Enclosure

Interior enclosure dimensions and layout shown
Exhibit J
Food Facility
WITH Oil/Grease Tank
Small Food/Oil Enclosure

Interior enclosure dimensions and layout shown
Exhibit L

Food Facility WITH Oil/Grease Tank
Large Food/Oil Enclosure

Interior enclosure dimensions and layout shown
APPENDIX A- MSW, RECYCLABLE MATERIALS & COMPOSTABLES CONTAINERS
The City’s Authorized Contractor provides collection service and Containers. Customers have the option of using carts, bins, roll-off boxes and/or compactors for the collection of MSW and Recyclable Materials. 65-gal carts are utilized for Compostables. The Contractor provides all Containers with the only exception being that Businesses can use their own compactors provided they are compatible with the Authorized Contractor’s fleet of automated collection vehicles.

**Cart Collection**

Three cart sizes are available for the storage of Recyclable Materials (blue carts) and MSW (black carts). Commercially collected Compostables utilize 65-gallon (green) carts. Cart service may be an excellent option for low-volume generators or for Businesses with limited space such as downtown Napa locations. Carts are easily maneuverable in alleys and small enclosures. The chart below lists the dimensions for the various sized carts that are available.

<table>
<thead>
<tr>
<th>Container Conversion Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 gallon</td>
</tr>
<tr>
<td>27 cubic feet</td>
</tr>
<tr>
<td>1 cubic yard</td>
</tr>
</tbody>
</table>

**Cart Dimensions**

<table>
<thead>
<tr>
<th>Cart Size</th>
<th>1 cubic yard equivalent to:</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
<th>Footprint (rounded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 gallons</td>
<td>6 carts</td>
<td>39”</td>
<td>19”</td>
<td>23”</td>
<td>3 sq. ft.</td>
</tr>
<tr>
<td>65 gallons</td>
<td>3 carts</td>
<td>42”</td>
<td>27”</td>
<td>29”</td>
<td>5 sq. ft.</td>
</tr>
<tr>
<td>95 gallons</td>
<td>2 carts</td>
<td>47”</td>
<td>29”</td>
<td>34”</td>
<td>6 sq. ft.</td>
</tr>
</tbody>
</table>

A 95-gallon Recyclable Materials cart, 65-gallon Compostables cart & 35-gallon MSW cart are shown above (from left to right)
## Front-load Bin Collection

Commercial bins for MSW and Recyclable Materials come in sizes ranging from 1 1/2 cubic yards to 6 cubic yards. Sizes 1 1/2 cubic yards to 4 cubic yards are equipped with wheels for maneuvering, while 6 cubic yard bins are stationary (no wheels). If a large-sized stationary bin is used, the bin MUST be directly accessible by collection trucks. The chart below lists the dimensions for each front-load bin available.

<table>
<thead>
<tr>
<th>Bin Size</th>
<th>Height</th>
<th>Depth</th>
<th>Length*</th>
<th>Footprint (rounded)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ½ cubic yards</td>
<td>43”</td>
<td>30”</td>
<td>80”</td>
<td>15 sq. ft.</td>
</tr>
<tr>
<td>2 cubic yards</td>
<td>50”</td>
<td>35”</td>
<td>80”</td>
<td>18 sq. ft.</td>
</tr>
<tr>
<td>3 cubic yards</td>
<td>59”</td>
<td>42”</td>
<td>80”</td>
<td>21 sq. ft.</td>
</tr>
<tr>
<td>4 cubic yards</td>
<td>65”</td>
<td>51”</td>
<td>80”</td>
<td>26 sq. ft.</td>
</tr>
<tr>
<td>6 cubic yards</td>
<td>69”</td>
<td>66”</td>
<td>80”</td>
<td>33 sq. ft.</td>
</tr>
</tbody>
</table>

* The 80” includes 8” to overall length of front-load bins to include 4” pockets on each side.
**Roll-off Box Collection**

Roll-off boxes are available in four sizes (10, 20, 30 & 40 cubic yards.). This type of container is most frequently used at construction sites, but is also designed for high volume users. They may be placed directly behind a building where space is available or at a loading dock to allow loading from above. If it will be placed at a loading dock, bumper pads must be installed to avoid undue dock damage from the heavy container.

Roll-off Containers must be placed on a level service. If placed on an incline, roll-away protection is required. In-street placement requires the user to obtain an encroachment permit from the Public Works Department and requires a minimum of two parking spaces plus room for the collection vehicle to maneuver while servicing. A 75’ minimum is required.

Please contact the City’s Authorized Contractor at (707) 255-5200 for an on site placement inspection and before installing any loading dock bumper rails.

The chart below lists the required clearances for roll-off vehicles & container dimensions:

<table>
<thead>
<tr>
<th>Required Clearances for Roll-Off Vehicle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical (Approach &amp; Exit)</td>
</tr>
<tr>
<td>Vertical (Rails raised w/bin)</td>
</tr>
<tr>
<td>Lateral</td>
</tr>
<tr>
<td>Service Area Length (direct approach w/bin)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roll-Off Container Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
</tr>
<tr>
<td>10 cubic yards</td>
</tr>
<tr>
<td>20 cubic yards</td>
</tr>
<tr>
<td>30 cubic yards</td>
</tr>
<tr>
<td>40 cubic yards</td>
</tr>
</tbody>
</table>
Compactor Collection

Businesses may choose to utilize their own compactor to reduce volume before transport and to minimize scavenging. For improved efficiency, a compactor should be used in place of a debris box when one location requires a 6 cubic yard bin that needs to be emptied more than 3 days per week. Larger sized compactors require a roll-off truck to be emptied. The entire unit must be picked up with a roll-off truck and be taken away. A container will not be available for 1-2 hours during this time. Some smaller compactors (4 cubic yards and smaller) can be emptied on-site using a front load truck so the unit does not have to leave the property.

All compactors must have inside rail dimensions of 28”, exterior rail dimensions of 34” and a direct approach of 75’. Additionally, most require a 220V double phase electrical outlet. If you are using a compactor for Compostables, it must be leak proof to prevent discharge into the City’s storm drain system. Please contact the City’s Authorized Contractor at (707) 255-5200 before purchasing, renting or installing a compactor to ensure servicing compatibility with hauling vehicles.

Keep in mind that compactors are large pieces of equipment that need to have adequate space for both the receiver and the compaction equipment. The chart below provides the clearances required for compactors.

<table>
<thead>
<tr>
<th>Required Clearances for Compactors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical (Approach &amp; Exit)</td>
</tr>
<tr>
<td>Vertical (Rails raised w/compactor)</td>
</tr>
<tr>
<td>Lateral</td>
</tr>
<tr>
<td>Service Area Length</td>
</tr>
</tbody>
</table>

Compactors vary in size depending on the capacity and manufacturer. The preceding charts list the capacity and approximate dimensions of various sized compactors that are available. It is important to obtain actual dimensions from the manufacturer or vendor. Additionally, keep in mind that Compostables are very liquid in content and cannot be loaded above the compactor blade of the hopper. This means the actual capacity for Compostables is less than the size of the compactor.
Front Load Truck Emptied Compactor Dimensions*

<table>
<thead>
<tr>
<th>Compactor Size</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 cubic yards</td>
<td>8.5'</td>
<td>8'</td>
<td>5'</td>
</tr>
<tr>
<td>3 cubic yards</td>
<td>7'</td>
<td>8'</td>
<td>7'</td>
</tr>
<tr>
<td>4 cubic yards</td>
<td>8'</td>
<td>8'</td>
<td>9'</td>
</tr>
</tbody>
</table>

*Dimensions listed are approximate. Exact specifications of the unit should be obtained from the manufacturer or vendor to determine enclosure dimensions.

Vertical Compactors such as the one shown above are excellent for small spaces and require a front load truck to empty.

Roll-off Truck Emptied Compactor Dimensions*

<table>
<thead>
<tr>
<th>Compactor Size</th>
<th>Height</th>
<th>Width</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 cubic yards</td>
<td>8'</td>
<td>8'</td>
<td>12'</td>
</tr>
<tr>
<td>10 cubic yards</td>
<td>8'</td>
<td>8'</td>
<td>14'</td>
</tr>
<tr>
<td>15 cubic yards</td>
<td>8'</td>
<td>8'</td>
<td>17'</td>
</tr>
<tr>
<td>20 cubic yards</td>
<td>8'</td>
<td>8'</td>
<td>20'</td>
</tr>
</tbody>
</table>

* Dimensions listed are approximate. Exact specifications of the unit should be obtained from the manufacturer or vendor to determine enclosure dimensions.

Roll-off compactors are required for compactors over 6 yards.
Cooking Oil/Grease Collection Containers

Food Facilities that Generate cooking oil and grease for disposal must collect oil and grease in a separate Container designed specifically for the collection of these two items. Disposal of oil and grease in a MSW collection Container is not allowed. Many Food Facilities contract with a commercial oil and grease management company that will provide an exterior collection Container. Since the Container must be housed within the enclosure, the Container size must be considered when determining the size of the enclosure. Below is a chart listing the most common sizes of cooking oil/grease Containers.

<table>
<thead>
<tr>
<th>Container Size</th>
<th>Height</th>
<th>Width</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>42 gallon (eco tub)</td>
<td>30&quot;</td>
<td>20&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>55 gallon (eco tub)</td>
<td>31&quot;</td>
<td>19&quot;</td>
<td>30&quot;</td>
</tr>
<tr>
<td>78 gallon (eco tub)</td>
<td>30&quot;</td>
<td>26&quot;</td>
<td>31&quot;</td>
</tr>
<tr>
<td>55 gallon (drum)</td>
<td>34&quot;</td>
<td>23&quot; diameter</td>
<td></td>
</tr>
<tr>
<td>100 gallon</td>
<td>36&quot;</td>
<td>24&quot;</td>
<td>42&quot;</td>
</tr>
<tr>
<td>200 gallon</td>
<td>36&quot;</td>
<td>24&quot;</td>
<td>60&quot;</td>
</tr>
<tr>
<td>300 gallon</td>
<td>36&quot;</td>
<td>36&quot;</td>
<td>60&quot;</td>
</tr>
</tbody>
</table>

* Exact specifications of the oil/grease Container should be obtained from the manufacturer or vendor.
APPENDIX B – BUILDING AND OPERATIONAL BEST PRACTICES
The following appendix provides useful information to assist builders and Business owners with implementing Green Building Practices and establishing Operational Best Practices at Businesses and Multi-Family Complexes. These environmental programs and practices can save Businesses money and help them to stay in compliance with State and City requirements while creating a positive green image for the Business.

**State of California Green Building Standards Code (CALGreen Code)**

The California Green Building Standards Code (CALGreen Code) is Part 11 of the California Building Standards Code and is the first statewide "green" building code in the US. CALGreen is a building code that requires, at a minimum, that new buildings and renovations in California meet certain sustainability and ecological standards. Every new building built after January 1, 2011 must meet a certain baseline of efficiency and sustainability standards.

The purpose of CALGreen is to improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a reduced negative impact or positive environmental impact and encouraging sustainable construction practices in; (1) planning and design; (2) energy efficiency; (3) water efficiency and conservation; (4) material conservation and resource efficiency; and (5) environmental quality.

The City has adopted High Performance Building Standards and a Construction & Demolition Debris Program for the enforcement of CALGreen.

**City of Napa High Performance Building Standards**

The City’s High Performance Building Standards and Checklist contain the requirements that are applied to all covered projects as defined in the NMC. (See NMC Section 15.30 et seq.) Specific mandatory requirements for recycling by occupants are in the Napa High Performance Building Standards Nonresidential Checklist under the category “Building Maintenance and Operation.”

**Construction & Demolition Debris (C&DD) Program**

The State of California and the City of Napa require that construction and demolition projects participate in a Construction & Demolition Debris (C&DD) program. The City of Napa’s Construction & Demolition Debris Ordinance (Ordinance O2010-18) requires all projects that meet one of the following criteria to divert 50% of all C&DD material and 80% of all concrete and asphalt generated:

- Projects that exceed $100,000 in building valuation
- Projects that exceed 5,000 sq. ft. of new, improved or remodeled area
- A demolition exceeding 5,000 sq. ft. in floor area
- All City projects for which a building permit would normally be issued

Separating C&DD materials keeps valuable commodities out of the landfill and can save your Business money when materials such as carpet, concrete, asphalt, dirt, wood,
metals, sheetrock and Yard Trimmings are separated and reused or recycled. If you are unable to reuse building materials, please divert C&DD materials to a recycling facility. The following table lists several local facilities that accept a wide variety of C&DD materials. Please call for additional details and pricing. The Napa Recycling & Composting Facility accepts the widest range of materials at low rates.

**Leadership in Environmental & Energy Design (LEED) Certification Program**

Many local Businesses desire to build according to green principles in order to obtain a LEED certification. LEED is a third-party certification program and a nationally accepted benchmark for the design, construction and operation of green buildings. Building owners and operators are provided with the tools they need to have an immediate and measurable impact on their building’s performance. LEED promotes a whole-building approach to sustainability by recognizing performance in five areas of human and environmental health: sustainable site development, water conservation, energy efficiency, materials selection and indoor environmental quality. For more information, call (707) 927-3858 or visit www.sustainablenapacounty.org

**Bay Area Green Business (BAGB) Program**

Napa County is part of the Bay Area Green Business Program. Over 100 Businesses and wineries in Napa County have been certified as Green Businesses. Green Businesses benefit from free technical assistance and public promotions, and are seen as leaders in sustainable Business. To become a Certified Green Business, your Business must be in compliance with all environmental regulations and must implement a minimum number of measures in the following four areas: energy, efficiency, water conservation, pollution prevention and solid waste reduction/recycling. For more information, contact Napa County’s Green Business Coordinator at (707) 259-5969 or visit www.greenbiz.ca.gov
Operational Best Practices

It is important to establish a plan for reducing waste and collecting Recyclable Materials and/or Compostables at your Business or Multi-Family Complex. The City of Napa and its Authorized Contractor offer free waste assessments to help local Businesses and Multi-Family Complexes implement and improve upon waste Diversion and recycling practices. These assessments provide Businesses and Multi-Family Complexes with strategies to reduce waste, improve upon recycling, save money and keep your Business or Multi-Family Complex in compliance. To schedule a free waste assessment, call (707) 257-9520 or email naparecycles@cityofnapa.org

All Businesses and Multi-Family Complex programs should utilize the following waste Diversion and recycling principles in order to have a successful program:

1. **Incorporate indoor space for recycling and composting:** It is important for Businesses and Multi-Family Complexes to remember to provide adequate indoor space for Containers to collect MSW, Recyclable Materials and Compostables (if applicable).
2. **Group the collection Containers together:** All interior collection Containers should be placed together so that utilizing the proper Container to deposit Compostables or Recyclable Materials is equally convenient when compared with using the MSW Container. Placing Containers side by side provides convenience to users, maximizes recycling and decreases Contamination (i.e. placing materials in the wrong Container).

3. **Use consistent colors for collection Containers:** Color code all interior Containers to communicate a clear and consistent message to users regarding what each container is to be used for. Containers for Recyclable Materials should be blue, commercial Compostables Containers should be green, and MSW Containers should be black. Additionally, all Containers should be clearly labeled with graphic instructional signage. The City of Napa provides free interior Containers and instructional labels to Businesses, schools and Multi-Family Complexes committed to recycling. For more information, call (707) 257-9520 or email naparecycles@cityofnapa.org

4. **Provide training to employees and tenants:** Provide training on recycling and expected green practices to employees and/or tenants. Include information in employee orientations, policy manuals, lease agreements and Covenants, Codes & Restrictions (CC&R’s) regarding expectations.