

RAVEN

27 N. Maybell Ave.
PO Box 1360
Pinedale, WY 82941

Board of Supervisors
Contra Costa County
1025 Escobar Street
Martinez, CA 94553

Date: November 10, 2023

Subject: Amendment Request – Countywide Siting Element – Raven SR

Dear Board Members,

Pursuant to Public Resources Code (PRC) Division 30, Part 2, Chapter 4, Article 4 Section 41721.5, I am writing to request an amendment be made to the Countywide Siting Element (CSE) of the Contra Costa County Integrated Waste Management Plan to include the listing of a new proposed facility to be developed by Raven SR S1 LLC (Raven SR) in the City of Richmond, California. Raven SR is proposing to develop a Transfer/Processing Facility and organics to hydrogen operation which will be located on a portion of the West Contra Costa Sanitary Landfill site (WCCSL). The Raven SR facility will accept pre-processed blended organic material, including but not limited to, green waste and food waste, and other materials typically allowed in municipal organics collection programs, to be delivered from the onsite composting facility. The initial stage of the system includes a screen to remove any oversized material (overs) and a magnetic separator to remove any unexpected metal. The overs will be returned to the onsite composting facility and the recovered metal will be sent for recycling. After the initial screening described above, the feedstock material will be conveyed for introduction into the Steam/CO₂ reforming system and converted to hydrogen rich syngas from which hydrogen will be separated and purified for sale to the transportation fuels market. A low-nitrogen, high potassium, and phosphorus, carbonaceous “biocarbon” material is also produced as a by-product of the process. The biocarbon by-product will be utilized in the onsite composting process, marketed for soil amendment or transported off-site for other potential beneficial reuse, such as a greenhouse gas emission reductant in manure treatment. Due the nature of the Raven SR process, little, or no, residual material (0-5%) is anticipated to require disposal from this facility. The facility will be permitted to operate 24 hours per day and 7 days per week.

The following information is provided as a summary site identification and description as required by PRC Section 41721.5:

Facility Name	Raven SR Transfer/Processing Facility
Type of Facility	Transfer/Processing Facility & Steam CO ₂ Reformation
Location	1 Parr Boulevard, Richmond, California 94801. Co-located at the WCCSL site near the Golden Bear Waste Recycling Facility. (see attached map)
Facility Capacity	The facility will be designed and permitted to accept and process up to 99.99 tons per day (up to 36,463 tons per year).
Feedstock	Pre-processed blended organic material, including but not limited to, green waste and food waste, and other materials typically allowed in municipal organics collection programs.
Anticipated Diversion	Due the nature of the Raven SR process, little, or no, residual material is anticipated to require disposal from this facility. Anticipated Diversion – 95 to 100%
Participating Jurisdictions	The feedstock is anticipated to come from Contra Costa County communities, its cities and surrounding Bay Area communities.

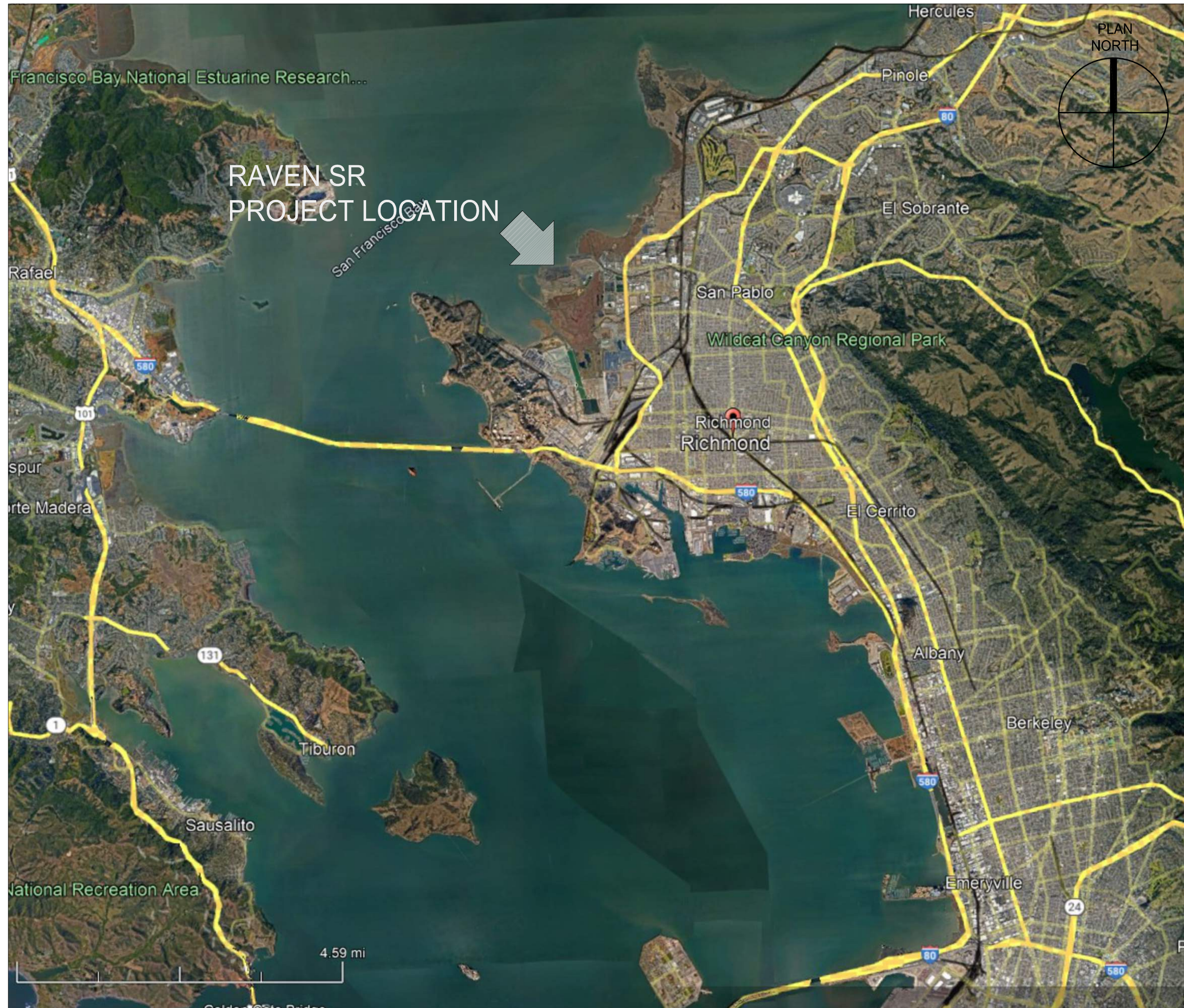
Thank you for your consideration and please feel free to contact me should you have any questions or need further information in order to process our request.

Sincerely,



Matt W. Murdock, CEO
Raven SR

cc. David Brockbank, Conservation Programs Manager
Contra Costa County, Department of Conservation and Development



VACINITY MAP
SCALE: NTS



LOCATION MAP
SCALE: NTS

**PRELIMINARY
NOT FOR
CONSTRUCTION**

FIGURE 1.DWG

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REV	REVISIONS	DATE	DRN	DSGN	CKD	APPD	REFERENCE DRAWINGS
A	ISSUE FOR AGENCY REVIEW	05/13/2022	TGC	HS	HS		* *

DSGN	HS	04/22/2022
DRN	PEI	04/22/2022
CKD		
SCALE:	NTS	

PROJECT: 174550

 2041 South Cobalt Point Way, Meridian, ID 83642
 (208) 288-6464; COA: ?????

POWER ENGINEERS INC.
 STELLAR J / RAVEN ONE PROJECT
 RAVEN SR FACILITY PLAN
 FIGURE - 1 SITE LOCATION AND VICINITY MAP

LOCATION	REV
RCHCA	A
DRAWING NUMBER	
FIGURE 1	