



SOLE SOURCE APPROVAL – LAGUNA TREATMENT PLANT CHILLERS AND CLIMATE CONTROL UPGRADES AT ADMINISTRATION AND ANNEX BUILDINGS

BPU Meeting
August 15, 2019

Bryan Heinzelman P.E., Associate Civil Engineer

BACKGROUND

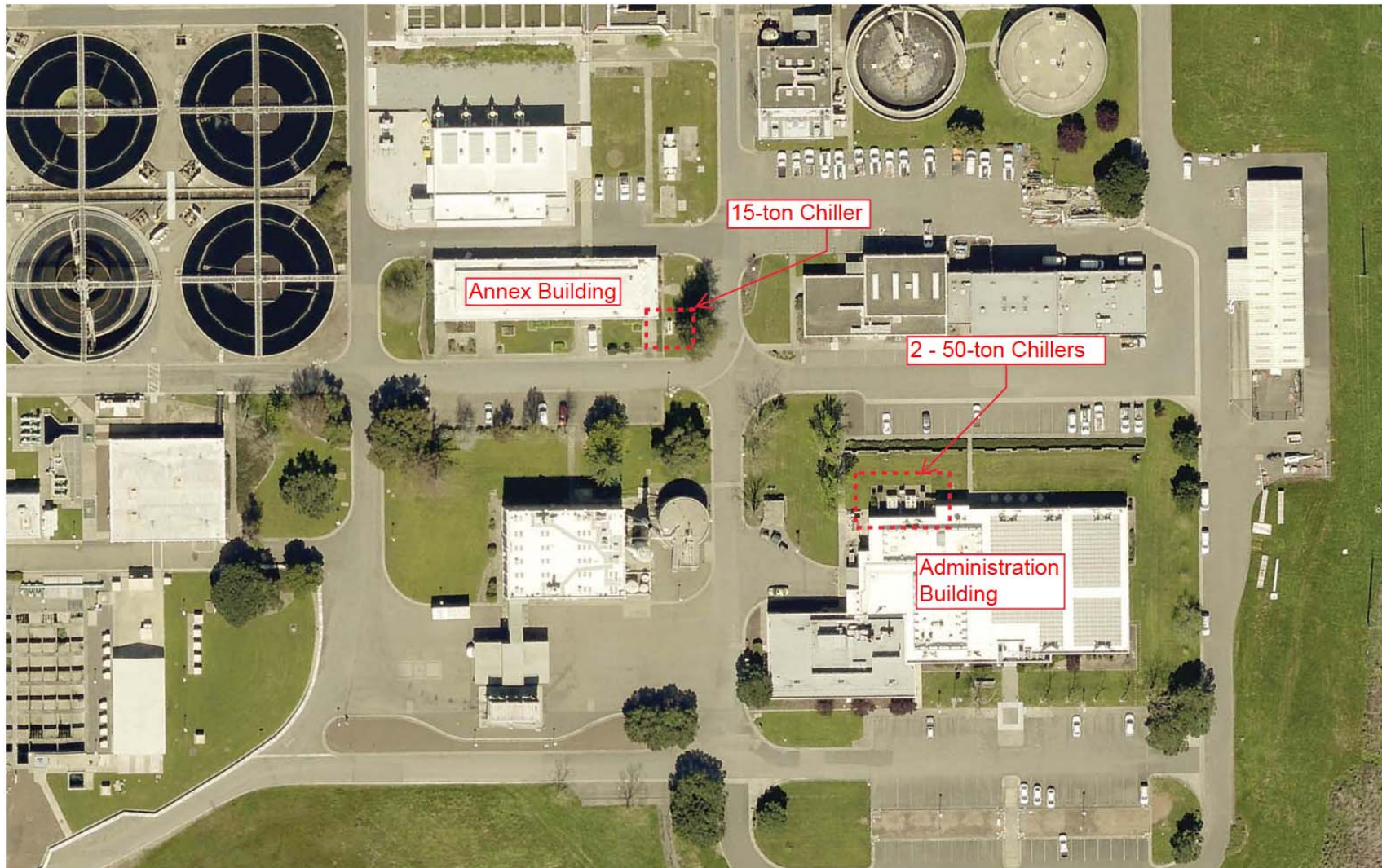
- Plant laboratory is located in Administration Building
- 2016 water chiller assessment
- Recommended upgrade of chillers and climate control system at Administration and Annex Buildings
- Existing boilers at Administration Building need frequent repairs.
 - One of the two boilers no longer operable
 - Remaining boiler is undersized and overtaxed

BACKGROUND

CIP project includes:

- 2 – 50-ton chillers at Administration Building
- 2 – condensing boilers at Administration Building
- 1 – 15-ton chiller at Annex Building
- Programmable Logic Controller (PLC)
- Project is ready to advertise for bids

PROJECT LOCATION MAP



PROPOSED EQUIPMENT

Plant staff request sole source of Siemens PLC consisting of the following list of items:

- Power Supply
- Programmable Logic Unit
 - Control Processing Unit Module (dependent on programming power)
 - Digital Input Module
 - Analog Input Module
 - Digital Output Module
 - Analog Output Module
 - Operator Interface Terminal



PUBLIC CONTRACT CODE

California Public Contract Code Section 3400
disallows specification of a “particular brand name or
trade name product”

(b) No agency of the state, nor any political subdivision, municipal corporation, or district, nor any public officer or person charged with the letting of contracts for the construction, alteration, or repair of public works, shall draft or cause to be drafted specifications for bids, in connection with the construction, alteration, or repair of public works, (1) in a manner that limits the bidding, directly or indirectly, to any one specific concern, or (2) calling for a designated material, product, thing, or service by specific brand or trade name unless the specification is followed by the words “or equal” so that bidders may furnish any equal material, product, thing, or service. In

PUBLIC CONTRACT CODE

Section 3400 makes an exception for items purchased in order to match other products in use.

(c) Subdivision (b) is not applicable if the awarding authority, or its designee, makes a finding that is described in the invitation for bids or request for proposals that a particular material, product, thing, or service is designated by specific brand or trade name for any of the following purposes:

(1) In order that a field test or experiment may be made to determine the product's suitability for future use.

(2) In order to match other products in use on a particular public improvement either completed or in the course of completion.

(3) In order to obtain a necessary item that is only available from one source.

(4) (A) In order to respond to an emergency declared by a local agency, but only if the declaration is approved by a four-fifths vote of the governing board of the local agency issuing the invitation for bid or request for proposals.

BASIS OF EXCEPTION

- LTP exclusively uses Siemens controllers
- Has 98 Siemens PLCs in service
- Plant technicians are factory trained
- LTP maintains an inventory of Siemens parts

RECOMMENDATION

- It is recommended by the Transportation and Public Works Department and the Water Department that the Board of Public Utilities, by resolution, approve the sole source of the Siemens programable logic controllers for the Laguna Treatment Plant Chillers and Climate Control Upgrades at Administration and Annex Buildings Construction Contract No. C02105.