

MOTION

As part of the City's long-term water management objectives of increasing local water supplies and resiliency, LA Sanitation and Environment (LASAN) will lead the development of an Advanced Water Purification Facility Project (AWPF) and several supporting projects that will supply purified recycled water to replenish the San Fernando Groundwater Basin (SFB) via surface spreading through the use of advanced treatment technologies that include microfiltration, reverse osmosis, and ultraviolet advanced oxidation processes. The AWPF will be located at LASAN's existing Donald C. Tillman Water Reclamation Plant (DCTWRP). DCTWRP receives average daily flows of 55 million gallons per day (MGD) from approximately three hundred thousand residents and businesses from the East San Fernando Valley.

Subsection (b) of Section 371 of the City Charter permits the letting of contracts pursuant to a competitive sealed proposal method, in accordance with criteria established by ordinance adopted by at least two-thirds of the City Council. This process also allows for the use of design-build or other appropriate project delivery systems when justified by the type of project and approved by the contracting authority.

A Motion was introduced and the City Council adopted an Ordinance (Ordinance No. 185751) that authorized LASAN to utilize progressive design build project delivery method to design and construct the Advanced Water Purification Facility. The facility is currently in the design phase.

Similarly, to design and construct a DCTWRP Primary Equalization Basin Project, LASAN is pursuing an alternative project delivery model known as Progressive Design-Build (PDB) where much of the performance risk is shifted to the project developer who has the expertise and track record with such projects.

AWPF requires constant and stable flow in order to produce high quality recycled water suitable for indirect potable reuse. The flows in the City's wastewater conveyance system vary between daytime and nighttime such that the peak daytime flow can exceed up to 80 MGD and nighttime low flow can dip down to 20 MGD. Extensive research and analyses recommend constructing a flow equalization basin which will enable DCTWRP to provide a stable flow between 23 to 30 MGD to AWPF.

PDB is the preferred project delivery method when an owner is seeking to minimize time and cost, and improve outcomes through direct involvement in the design process; such involvement in the design process by a project developer is particularly important when a project requires very precise performance requirements, ability to seamlessly integrate into an existing treatment and conveyance system such as minimizing the plant shutdowns to tie-in to existing system, and complex commissioning activities. To accomplish these goals, PDB is a two-phase delivery method in which the design, cost-estimating, and final pricing of the project progresses during the first phase. If the City and the developer reach agreement on the final pricing and schedule, the final design, construction, and commissioning are completed in the second phase.

In an effort to control costs, manage City-risk, and assure timely delivery of a high quality product, LASAN proposes to use the PDB project delivery method in-lieu of the conventional design-bid-build project delivery method for the DCTWRP Primary Equalization Basin and any other future supporting projects that will enable the City to reach the goal of providing 100% locally sourced water by 2035 or thereafter. Time is of the essence and it is in the best interest of the City to expedite implementation of the DCTWRP AWPf by approving the use of the PDB contract mechanism for these projects in order to provide the City with a locally sourced sustainable water supply.

I THEREFORE MOVE that the City Council request the City Attorney to prepare and present an ordinance allowing the Board of Public Works to let Progressive-Design-Build (PDB) contracts for the delivery of the Donald C. Tillman Water Reclamation Plant Primary Equalization Basin and future Groundwater Replenishment projects, pursuant to a competitive, sealed-proposal method.

Presented by: *Imelda Padilla*

IMELDA PADILLA

Councilwoman, 6th District

Seconded by: *Bob Blum*

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