WaterSMART Water and Energy Efficiency Grants for Fiscal Year 2023

Notice of Funding Opportunity No. R23AS00008

ADVANCED METER INFRASTRUCTURE (AMI) MUNICIPAL WATER METER UPGRADE PROGRAM

City of Norwalk
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CITY OF NORWALK
A Connected Community

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1a. Executive Summary

Date: July 28, 2022 **Applicant Name**: City of Norwalk (Category A)

City: Norwalk **Project Length**: 24 months

County: Los Angeles **Estimated Completion Date:** June 2025

State: California **Located on Federal Facility:** No

The City of Norwalk has embarked on replacing its remaining 3,500+ manual-read water meters within the City's water service area to advanced metering infrastructure (AMI), which will update City's existing metering, billing and management systems to benefit the City of Norwalk's water supply reliability and support water conservation and management efforts. In 2017, the Los Angeles Gateway Water Management Authority (GWMA) was awarded $1,000,000 for a Regional Advanced Meter Infrastructure Program (R14AP00081). Under a subrecipient agreement with GWMA, the City received $159,084 to support its initial phase of AMI meter installation. To date, including the meters installed under the GWMA agreement, the City has installed 952 AMI meters, including communication, software, and interactive customer web portal, all of which is in operation for the first phase of the City's program to replace its manual meters.

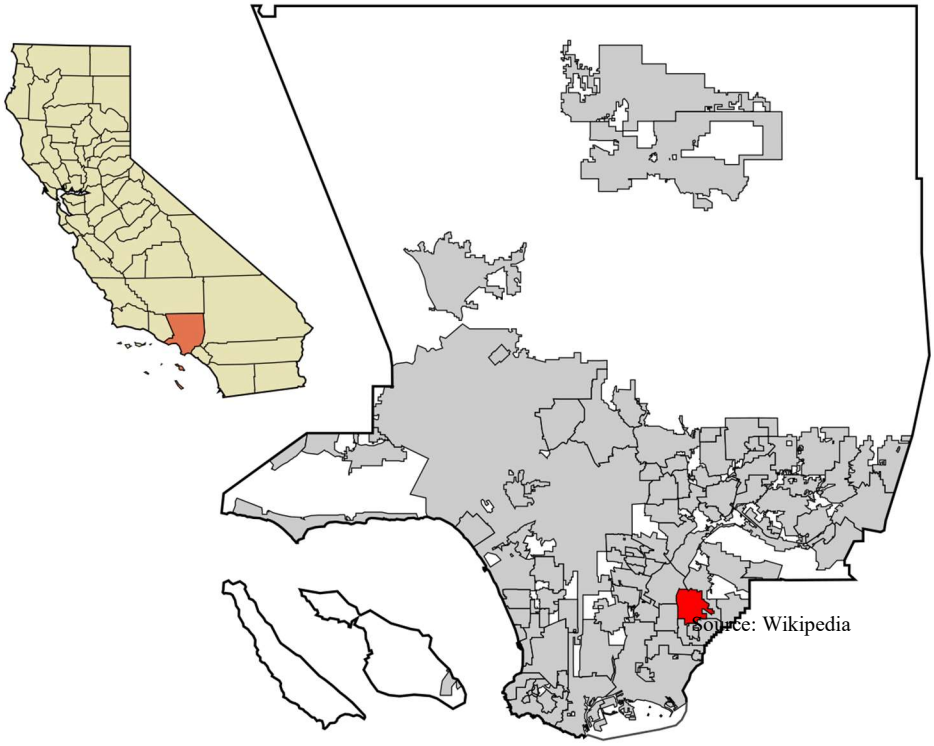
This funding request (Funding Group I) is to support the City's program to replace 477 of the remaining manual-read meters with AMI technologies and installation of all the necessary components including material and equipment (meters, meter boxes, lids, service laterals, endpoint hardware), and is ready to start installation of the meters upon execution of the agreement for this funding request. AMI will provide real-time operational modeling information, establish a leak detection system, and provide water-consumption data to allow individuals to manage their water usage. Implementation of this phase of the project will result in quantifiable water and energy savings, as well as support broader water reliability benefits by providing the following:

- Installation of 477 smart meters,
- Estimated minimum water savings of 20.1 acre-feet per year,
- Associated energy savings of 48,900 kilowatt-hours (kWh) per year,
- Streamlined water conservation measures through immediate water leakage detection, which can significantly reduce energy consumption and water waste.
- Reduced time, labor, cost, energy, and Greenhouse Gas emissions compared to the existing metering system, which requires personnel to physically drive to and manually read each meter,
- Modernized and increased dependability of the City's aging water infrastructure by embracing new smart metering technologies.

1b. Project Location

The City of Norwalk was incorporated in 1957. It is located in the Central Basin of Los Angeles County, approximately 17 miles southeast of downtown Los Angeles, in the State of California.

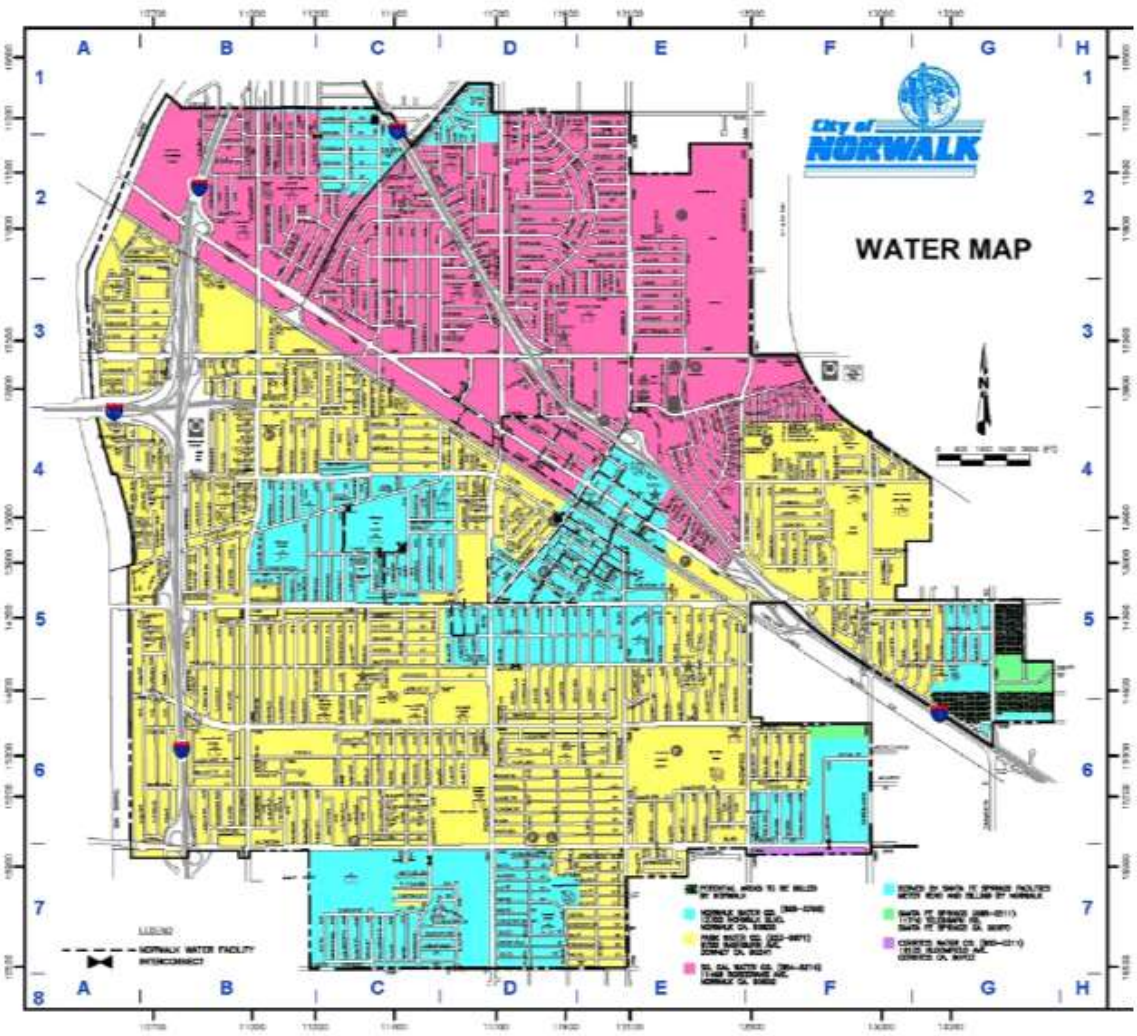
Figure 1b1 – City Location Map



The City is primarily a residential community with an area of approximately 9.8 square miles, with single/multi-family homes, apartments and condominiums representing nearly 50 percent of its total land area, Commercial uses comprise approximately six percent of the City's incorporated land, and manufacturing and industrial uses constitute just under five percent of City territory. Open space, public schools, institutional and public facilities comprise approximately 11 percent of the City's acreage, while about 28 percent of the City is located in areas that have no land use designation. Approximately 91 percent of the City's water demand is for residential use.

The City's Public Services Department serves five portions of the cities of Norwalk within the City's corporate boundary and within the City of Artesia and a small unincorporated LA County area, known to the County of LA as the "Cerritos Island". The City serves an estimated population just over 20,000 through over 4,400 service connections within the City's corporate boundary. The City is comprised of eight (8) distinct service sectors within the City boundaries, including the Northwest, Northeast, West, Central, East, Southeast (industrial), Southeast (residential) and South sectors, which are shown in blue in Figure 1b2. The remaining areas of the City are served by two private water companies and the Cities of Santa Fe Springs and Cerritos.

Figure 1b2 – City Water Service Areas



The existing water system facilities include the following:

- Approximately 291,800 feet (55.3 miles) of distribution water mains, sized from 2-inches to 16-inches
- 3 operating wells (Well 4, Well 5, and Well 10 providing groundwater from the Central Basin)
- 7 connections with City of Santa Fe Springs and City of Cerritos (letters of support for this project are attached)
- 1 imported water connection (MWD Turnout No. 16 providing imported water via the Central Basin Municipal Water District)
- 5 emergency interconnections
- 5 pressure regulating stations

1c. Technical Project Description

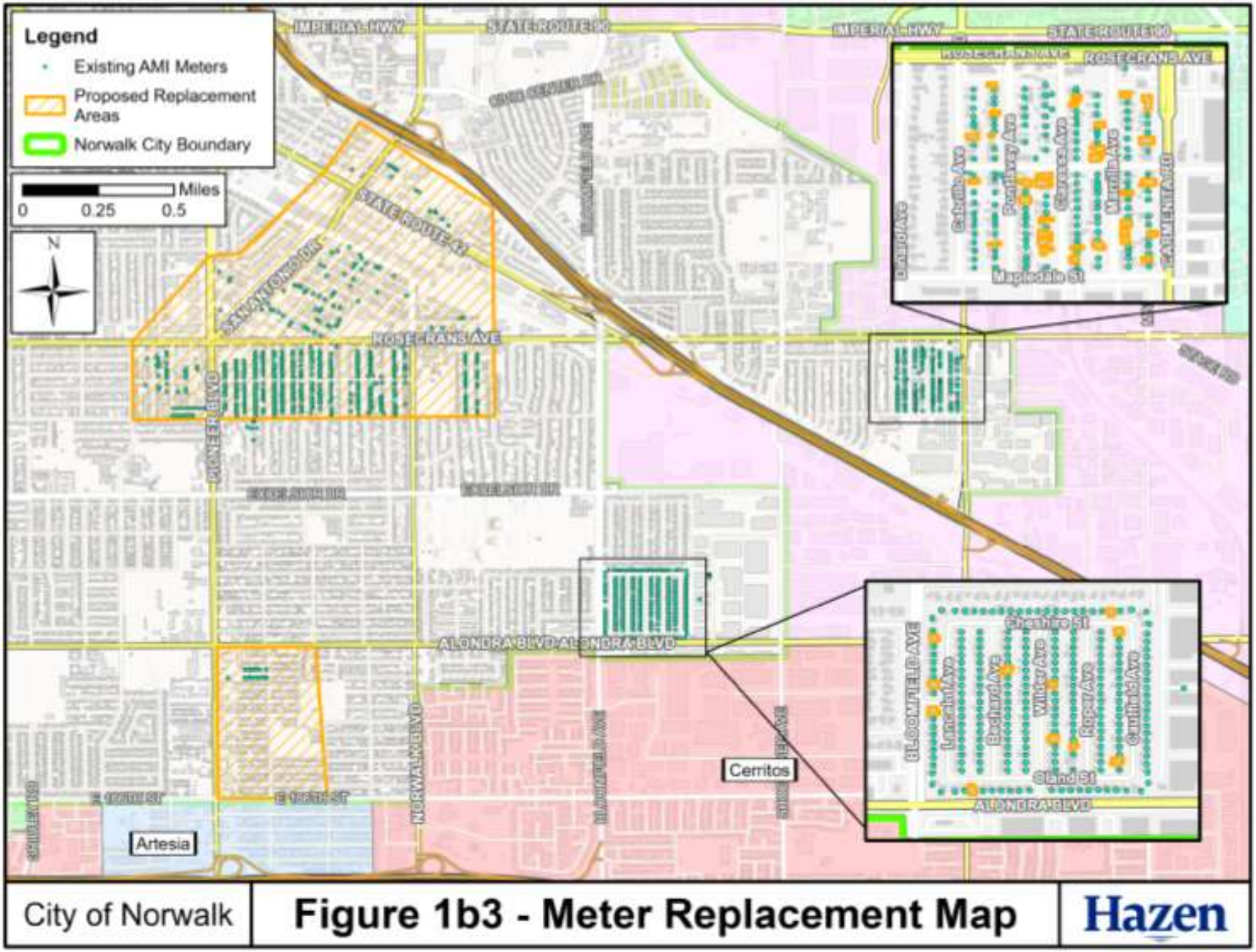
The City of Norwalk's municipal water meter upgrade program addresses a primary source of water loss for the City and will improve water management, conservation, and reliability efforts. The vast majority of the City's meters have surpassed their expected service life and have diminished operational efficiency. This operational inefficiency leads to undetected leaks and unaccounted water usage and losses, thereby negatively impacting water supply availability and water costs for its own customers as well as the Southern California region as a whole. The use of AMI meters will help mitigate these losses in a timely and efficient manner with 24/7 monitoring and alert capabilities, resulting in conservation of the region's precious water resources. Customers will benefit from AMI technology through reliable, secure, and real time access to their water usage data through the customer portal, enabling them to adjust water usage during peak times, reduce overall water usage, and identify unusual losses or leaks quickly. The automated technology will also improve efficiency by reducing labor time to read meters, cost of vehicle maintenance, and greenhouse gas emissions from the vehicle miles traveled.

The City has already implemented an initial phase of meter replacement, successfully installing 952 AMI meters including communication, software, and interactive customer web portal. These installations are located primarily within the West-Central, East, and Southeast sectors as shown on Figure 1b3. The initial program effort included funding support through a subrecipient agreement with the Los Angeles Gateway Water Management Authority (GWMA), funded by WaterSMART WEEG grant R14AP00081. The City's effective implementation of this first phase and successful coordination effort with GWMA, the WaterSMART program, and Bureau staff provides confidence and assurance that this new work can proceed readily, effectively, and efficiently within the grant guidelines and requirements. The City has a complete design package utilized for the initial phase, which can be efficiently updated to hit the ground running to implement this new phase of replacements.

The work under the proposed agreement will include installation of 477 meters, which will bring the total percentage of AMI meters in the City's corporate boundary water service areas to approximately 40%. The equipment to be installed includes Badger AMI meters (3/4-inch to 2-inch in size) and accessories, meter boxes, and repair/installation of replacement service laterals, including trenching and asphalt repair, where necessary.

Figure 1b3 illustrates the general areas in which the new meters will be located, with the primary goals of:

- Infilling areas with current AMI installations to eliminate pockets of old manual meters that increase driving and labor requirements to obtain readings, and
- Expand installation areas to cover entire service sectors.


Legend
Existing AMI Meters
Proposed Replacement Areas
Norwalk City Boundary
Miles
0
0.25
0.5
N
IMPERIAL HWY
STATE ROUTE 91
ROSECRANS AVE
ALONDRA BLVD
NORWALK BLVD
PIONEER BLVD
Artesia
Cerritos
City of Norwalk
Figure 1b3 - Meter Replacement Map
Hazen

The scope of work to implement the project will include:

- **Task 1 Administration**: Activities include coordination of all Project activities, including budget, schedule, communication, public notifications and outreach, and grant and cost-share administration (preparation of invoices and maintenance of financial records).
- **Task 2 Environmental Documentation**: The project is categorically exempt and will simply install meters and service lines in existing meter boxes and vaults. The City does not anticipate environmental impacts associated with the proposed AMI project. Filing of the necessary NOE documents as well as an environmental assessment satisfying Federal requirements (NEPA), associated with Federal contracting/grant agreements will be completed.
- **Task 3 Contracting and Installation**: This involves the finalization of contract documents, advertising and awarding construction contract, construction management and administration, and installation of all Project works, which includes a total of 477 AMI meters.

1d. Evaluation Criteria

Evaluation Criterion A—Quantifiable Water Savings

Up to 28 points may be awarded for this criterion. This criterion prioritizes projects that will conserve water and improve water use efficiency, supporting the goals of E.O. 14008. Points will be allocated based on the quantifiable water savings expected as a result of the project. Points will be allocated to give greater consideration to projects that are expected to result in more significant water savings.

1) Describe the amount of estimated water savings. For projects that conserve water, please state the estimated amount of water expected to be conserved (in acre-feet per year) as a direct result of this project. Please include a specific quantifiable water savings estimate; do not include a range of potential water savings.

Response: Implementation of the program is expected to conserve about 20.1 acre-feet per year.

2) Describe current losses: Please explain where the water that will be conserved is currently going and how it is being used. Consider the following:

a. Explain where current losses are going (e.g., back to the stream, spilled at the end of the ditch, seeping into the ground)?

Response: Current losses are generally seeping into the ground and/or storm drain.

b. If known, please explain how current losses are being used. For example, are current losses returning to the system for use by others? Are current losses entering an impaired groundwater table becoming unsuitable for future use?

Response: There is no known use for the current losses.

c. Are there any known benefits associated with where the current losses are going? For example, is seepage water providing additional habitat for fish or animal species?

Response: There are no known benefits for the current losses.

3) Describe the support/documentation of estimated water savings: Please provide sufficient detail supporting how the estimate was determined, including all supporting calculations. Note: projects that do not provide sufficient supporting detail/calculations may not receive credit under this section. Please be sure to consider the questions associated with your project type (listed below) when determining the estimated water savings, along with the necessary support needed for a full review of your proposal. In addition, please note that the use of visual observations alone to calculate water savings, without additional documentation/data, are not sufficient to receive credit under this section. Further, the water savings must be the result of reducing or eliminating a current, ongoing loss, not the result of an expected future loss.

Response: Installation of AMI meters reduce water loss due to leakage and encourages conservation. To estimate the amount of water lost annually to leaks, a documented average leakage rate for typical homes was used. The Water Research Foundation's "California Single-Family Water Use Efficiency Study" (2016) documents an average leakage rate of 30.7 gallons per household per day for a California study group from 2005. This equates to 11,200 gallons per year, or 0.0343 acre-feet per year per household. Leakage sources are typically the valves (faucets, water bibs, etc.), broken or cracked pipes, hot water heaters, and irrigation systems. Leakage either soaks into the ground (broken or cracked pipes, water bibs) or goes into drains and the wastewater system. Compared to the City's estimated average day demand per household of 355 gallons per day, this represents approximately 8.6% leakage rate. In addition, the City has determined that, with the proposed project in place, individual accounts which consume higher amounts of water than allotted in City's lower rate tiers, can save 10% annually by receiving an early warning that they are approaching the highest rate tier. By dividing the savings from those accounts by the total number of accounts, the savings was calculated to be an additional 0.008 acre-foot per meter per year. This brings the total savings to 0.0423 acre-feet per year per AMI meter.

The number of meters in the proposed project is 477.

With the installation of 477 new AMI meters, an annual average savings of about 20.1 acre-feet per year: 477 meters x 0.0423 acre-feet/meter = **20.1 AF/year**.

Actual water savings will be verified by comparing historical data for water usage prior to implementation of the AMI meters system. Conserved water will reduce City's amount of imported water.

4) Please address the following questions according to the type of infrastructure improvement you are proposing for funding. See Appendix A: Benefit Quantification and Performance Measure Guidance for additional guidance on quantifying water savings.

Municipal Metering: Municipal metering projects can provide water savings when individual user meters are installed where none exist to allow for unit or tiered pricing and when existing individual user meters are replaced with advanced metering infrastructure (AMI) meters. To receive credit for water savings for a municipal metering project, an applicant must provide a detailed description of the method used to estimate savings, including references to documented savings from similar previously implemented projects. Applicants proposing municipal metering projects should address the following:

a. How has the estimated average annual water savings that will result from the project been determined? Please provide all relevant calculations, assumptions, and supporting data.

Response: Please refer to the response 1d.3 on the previous page.

b. How have current system losses and/or the potential for reductions in water use by individual users been determined?

Response: The City's 2020 AWWA Water Loss Audit shows Apparent Losses of 19.4 AF/year (unauthorized consumption, metering inaccuracies, and systematic data handling errors), and Real Losses of 28.1 AF/year (leakages on transmission/distribution mains, storage tanks, and service connections) for a total 2020 water loss of 47.5 AF/year. Of the 2020 total Apparent Losses, immediately identifiable potential improvement areas for reductions in water use can be seen: 9.7 AFY is attributable to meter inaccuracies, 4.8 AF/year to systemic data handling errors, and an unknown portion of the 28.1 AF/year attributable to leakages on service connections.

c. For installing end-user water service meters, e.g., for a residential or commercial building unit., refer to studies in the region or in the applicant's service area that are relevant to water use patterns and the potential for reducing such use. In the absence of such studies, please explain in detail how expected water use reductions have been estimated and the basis for the estimations.

Response: Water conservation is a cost-effective way to remedy current and future water resource management issues. The reduction of water usage during recent California drought conditions demonstrates that water conservation at the customer level can be successful if the water supplier and its customer have the proper tools to proactively identify and reduce water waste, as well as to repair leaks.

AMI technologies serve as reliable management tool to help with identifying customer use patterns and performing real time audits to enhance water and energy efficiency and sustainability for the City. While there are few case studies available to point to for specific representative water use reduction data, the City has noted findings of other water service agencies which have identified several anecdotal cases that provide a general reference by

which to qualitatively compare the predicted water savings calculated for this project (calculation provided in response 1d.3 on previous page). Some of these cases include:

- Eastern Municipal Water District demonstration project realized an average annual savings of 0.027 AF per meter. ➔ equivalent to 12.8 AF for this project
- Inland Empire Utilities Agency pilot program showed an average water savings of 0.043 gallons/meter/year. ➔ equivalent to 20.5 AF for this project
- Moulton Niguel Water District noted a water savings of 11% during the first 6 months of its initial AMI program. ➔ equivalent to 20.9 AF for this project
- Los Angeles County Waterworks noted an average of 10% recovery of water loss through an informal study of its AMI implementation. ➔ equivalent to 19.0 AF for this project

Comparing the equivalent water savings that would be predicted by the studies when applied to the City of Norwalk with the calculated savings of 20.1 AF/year identified in response 1d.3 on the previous pages **supports the expected level of water savings of 20.1 AF/year** stated herein.

d. What types (manufacturer and model) of devices will be installed and what quantity of each?

Response: The following types and quantities of devices will be installed:

Table 1d1 – Equipment Types

Equipment	Vendor Recently Used	Quantity
Nicor Security Clip to attach Endpoint to Holeless Lid	Badger	477
Badger Endpoint (Orion Tech/Nicor Wiring)	Badger	477
Badger 3/4 Inch AMI Meter	Badger	408
Badger 1 Inch AMI Meter	Badger	30
Badger 1-1/2 Inch AMI Meter	Badger	18
Badger 2 Inch AMI Meter	Badger	21
Nicor "Water" Lid, 11.125x18x1.75 (11x18 for 3/4 Inch Meter)	Western Water Works	408
Screw in U-Bracket	Western Water Works	477
437 H&C Concrete Meter Box (for 3/4 Inch Meter)	Western Water Works	408
Nicor "Water" Lid, (15x26) (1, 1.5, and 2 Inch Meter)	Western Water Works	69
655.5 H&C Concrete Meter Box (1, 1.5, and 2 Inch Meter)	Western Water Works	69

e. How will actual water savings be verified upon completion of the project?

Response: To verify the amount of water savings, historical water usage data prior to implementation of the AMI system will be compared with water usage data after implementation of the AMI system on an annual basis.

Evaluation Criterion B – Renewable Energy

Up to 20 points may be awarded based on the extent to which the project increases the use of renewable energy or otherwise results in increased energy efficiency and reduced greenhouse gas emissions.

For projects that include constructing or installing renewable energy components, please respond to Subcriterion No. B.1: Implementing Renewable Energy Projects Related to Water Management and Delivery. If the project does not implement a renewable energy project but will increase energy efficiency, please respond to Subcriterion No. B.2. Increasing Energy Efficiency in Water Management. If the project has separate components that will result in both implementing a renewable energy project and increasing energy efficiency, an applicant may respond to both.

Response: Subcriterion B.2 applies to this project.

Subcriterion B.2 – Increasing Energy Efficiency in Water Management

Up to 10 points may be awarded for projects that address energy demands and reduce greenhouse gas emissions by retrofitting equipment to increase energy efficiency and/or through water conservation improvements that result in reduced pumping or diversions. Describe any energy efficiencies that are expected to result from implementation of the water conservation or water efficiency project (e.g., reduced pumping).

- *If quantifiable energy savings is expected to result from the project, please provide sufficient details and supporting calculations. If quantifying energy savings, please state the estimated amount in kilowatt hours per year.*

  Response: Implementation of the AMI Project will result in energy savings due to reduced pumping related to the 20.1AFY estimated water savings. The City primarily relies on energy provided by Southern California Edison and the Southern California Gas Company. The AMI Project will quantifiably reduce energy consumption through significant improvements in water use efficiency and conservation that would reduce both imported water from the MWD and from pumping groundwater from the City's wells. Based upon operation in FY 2020 – 2021, the City's water supply consisted of approximately 55% local groundwater and 45% imported supply.

  Importing water is extremely energy intensive; much of the state's energy consumption is attributed to water conveyance. Reduction in water loss and overall consumption will impact the increasing energy efficiency of overall system operations. It is difficult to calculate the exact energy required to deliver imported water from the State Water Project (SWP) or Colorado River Aqueduct (CRA) to a specific agency or location, but a study recently prepared by Navigant for the California Public Utilities Commission in 2014, entitled *"Water/Energy Cost-Effectiveness Analysis"* estimates the amount of electrical energy required to convey, treat, and deliver 1 AF of imported SWP water to water users in the Southern California Region to be 3,214 kWh/AF.

Energy consumption related to groundwater extraction is primarily associated with pumping costs. The City operates three wells, Well 4, 5, and 10, with capacities ranging from 650 to 750 gpm. Based upon the well depth and pump horsepower, it is estimated that the average energy required to pump 1 AF of local groundwater is 1,797 kWh/AF.

Applying the reduction in demand of 20.1 AF/year provided by the project at the typical ratio of 55% local groundwater and 45% imported water, the project will result in anticipated energy savings of 48,900 kWh /year.

- *How will the energy efficiency improvement combat/offset the impacts of climate change, including an expected reduction in greenhouse gas emissions.*

  Response: Other local agencies that have implemented AMI projects have noted that conserving energy results in reducing greenhouse gas (carbon) emissions. Carbon emission estimates are 0.61 lbs. of carbon dioxide per kilowatt hour (CO2/kWh) based on the United States Environmental Protection Agency's 9th edition of eGRID, "Year 2010 eGRID Subregion Emissions - Greenhouse Gases." This project will avoid greenhouse gas emissions of approximately 48,900 kWh/year x 0.61 lbs. CO2/kWh = 29,800 pounds of CO2 per year greenhouse gas reduction. In addition to these benefits, reduced greenhouse gas emissions from City vehicles will also be realized due to reduced miles driven for reading of manual meters.

- *If the project will result in reduced pumping, please describe the current pumping requirements and the types of pumps (e.g., size) currently being used. How would the proposed project impact the current pumping requirements and energy usage?*

  Response: As described previously, the reduced demand will result in reduced required delivery of imported water, which utilizes energy both for pumping and treatment.

- *Please indicate whether your energy savings estimate originates from the point of diversion, or whether the estimate is based upon an alternate site of origin.*

  Response: The project's energy savings includes both energy savings estimated from the reduction in local pumping of groundwater and estimated from the reduction in transport of imported water.

- *Does the calculation include any energy required to treat the water, if applicable?*

  Response: Yes energy costs savings related to treatment of imported water that could be achieved is included.

- *Will the project result in reduced vehicle miles driven, in turn reducing greenhouse gas emissions? Please provide supporting details and calculations.*

  Response: The project will promote energy efficiency by reducing fuel consumption and maintenance frequency for City gas-powered vehicles used to collect monthly meter readings and result in reduced vehicle miles driven for reading of manual meters. Based upon current routes, installation of the 477 meters will reduce the average annual driving

distance for field customer service representatives by approximately 200 miles per year throughout the service area. The U.S. Environmental Protection Agency website (https://www.epa.gov/greenvehicles/greenhouse-gasemissions-typical-passenger-vehicle) notes that the average passenger vehicle emits about 0.89 pounds of CO2 per mile. Reduced greenhouse gas emissions for the project are estimated at 0.89 pounds per mile x 200 miles/year = 178 pounds of CO2 reduced greenhouse gas emissions.

- *Describe any renewable energy components that will result in minimal energy savings/ production (e.g., installing small-scale solar as part of a SCADA system).*

  Response: No renewable energy components are proposed as part of the project.

Evaluation Criterion C – Sustainability Benefits

Up to 20 points may be awarded under this criterion. This criterion prioritizes projects that address a specific water and/or energy sustainability concern(s), including enhancing drought resilience, addressing the current and future impacts of climate change, and resolving water related conflicts in the region. In addition, this criterion is focused on the benefits associated with the project, including benefits to tribes, ecosystem benefits, and other benefits to water and/or energy supply sustainability.

Enhancing drought resiliency. In addition to the separate WaterSMART Environmental Water Resources Projects NOFO, this NOFO places a priority on projects that enhance drought resiliency, through this section and other sections above, consistent with the SECURE Water Act. Please provide information regarding how the project will enhance drought resilience by benefitting the water supply and ecosystem, including the following:

- *Does the project seek to improve ecological resiliency to climate change?*

  Response: Yes, the project seeks to improve ecological resiliency to climate change by saving 20.1 AF of water, which will decrease demand from imported water from the SWP and CRA. Climate change is affecting water supply and demand from these imported water sources as increasing temperatures may increase evaporation from reservoirs which reduces supply, and may increase evapotranspiration from vegetation which increases demand. By removing 20.1 AF of demand from these sources, the project will help push the supply /demand imbalance back toward balance, thus keeping more water in the Bay-Delta which supplies the SWP and in the Colorado River which supplies the CRA.

- *Will water remain in the system for longer periods of time? If so, provide details on current/future durations and any expected resulting benefits (e.g., maintaining water temperatures or water levels).*

  Response: By decreasing demand from imported water sources by 20.1 AF, the project will allow an equivalent amount to remain in its natural ecosystem (Bay-Delta, Colorado River) for a longer period of time, benefiting the ecosystem and species therein.

- *Will the project benefit species (e.g., federally threatened or endangered, a federally recognized candidate species, a state listed species, or a species of particular recreational, or economic importance)? Please describe the relationship of the species to the water supply, and whether the species is adversely affected by a Reclamation project or is subject to a recovery plan or conservation plan under the Endangered Species Act (ESA).*

  Response: The project has not identified specific species that may be benefitted; however, by allowing the water to remain in its natural ecosystem for a longer period, some qualitative benefits to species may be expected.

- *Please describe any other ecosystem benefits as a direct result of the project.*

  Response: No additional ecosystem benefits are noted.

- *Will the project directly result in more efficient management of the water supply? For example, will the project provide greater flexibility to water managers, resulting in a more efficient use of water supplies?*

  Response: The City's 2020 Urban Water Management Plan (UWMP) identifies enhanced metering and leak detection are identified as water supply management measures to manage system water losses and reduce leaks. The proposed Project improves water management by providing leak detection, water loss reduction, and increased customer metering accuracy through real time water use data, including the Customer Portal. This more efficient use of water supplies reduces the City's water demand and provides greater flexibility to the City water managers, as well as extending to its imported water supplier, MWD, resulting in more efficient use of imported water and local groundwater supplies.

Addressing a specific water and/or energy sustainability concern(s). Will the project address a specific sustainability concern? Please address the following:

- *Explain and provide detail of the specific issue(s) in the area that is impacting water sustainability, such as shortages due to drought and/or climate change, increased demand, or reduced deliveries.*

  Response: California's water supply sustainability has been an increasing concern as water suppliers work to manage water demands versus environmental impacts during a period of historic drought conditions across the state. Supply shortages due to drought conditions have resulted in significantly reduced allocations of SWP and CRA imported supplies. On April 21, May 10, July 8, and October 19, 2021, the governor of California issued proclamations that a state of emergency exists statewide due to severe drought conditions, and directed state agencies to take immediate action to preserve critical water supplies, mitigate the effects of the drought and ensure the protection of health, safety, and the environment. On January 4, 2022, the State Water Board adopted the emergency water use regulations at the Board's regularly scheduled January 4, 2022 public meeting, in accordance with applicable State laws and regulations. These emergency regulations demonstrate the impacts of the drought on water purveyors. The Project will address the

water sustainability concern of limited supply and drought conditions in California by saving 20.1 AFY of imported potable water.

- *Explain and provide detail of the specific issue(s) in the area that is impacting energy sustainability, such as reliance on fossil fuels, pollution, or interruptions in service.*

  Response: For this Project, the specific issue in the Southern California area impacting energy sustainability is the energy required to convey, treat, and deliver imported water. As discussed earlier in Subcriterion B.2, it is estimated that importing water to Southern California uses on the order of 3,214 kWh/AF, and production of local groundwater from the Central Basin uses approximately 1,797 kWhr/AF.

- *Please describe how the project will directly address the concern(s) stated above. For example, if experiencing shortages due to drought or climate change, how will the project directly address and confront the shortages?*

  Response: The Project will directly address the concerns stated above through the installation of 477 AMI water meters, allowing real-time monitoring of water usage at both the City and customer level, reducing leaks and providing conservation of 20.1 AF/year of water, reducing demand for imported supply by an equivalent amount.

- *Please address where any conserved water as a result of the project will go and how it will be used, including whether the conserved water will be used to offset groundwater pumping, used to reduce diversions, used to address shortages that impact diversions or reduce deliveries, made available for transfer, left in the river system, or used to meet another intended use.*

  Response: Conserved water will be used to offset demand for imported water supply from the SWP and CRA. By remaining in its natural location, this water will provide ecological benefits as well as sustainability and availability for other uses. The Central Basin Municipal Water District (CBMWD) is the regional agency which provides imported supply to the City, and has provided a support letter for the City's project, which is attached to this application.

  The conserved water may also offset some demand from pumping of the City's three groundwater wells. The City's groundwater supplies are part of the service area of the Water Replenishment District of Los Angeles (WRD), which serves to protect the groundwater resources of the Central and West Coast Basins in Southern California. WRD works toward drought resiliency of the region's groundwater and uses a sustainable local supply of water for groundwater replenishment purposes, through the use of recycled water and stormwater capture for groundwater aquifer replenishment. By reducing demand, the City is contributing to improving this resiliency by offsetting groundwater pumping. A letter of support of the City's project has been provided by WRD and is attached to this application.

- *Provide a description of the mechanism that will be used, if necessary, to put the conserved water to the intended use.*

  Response: No new mechanism is necessary.

- *Indicate the quantity of conserved water that will be used for the intended purpose(s).*

  Response: The projected conserved amount of 20.1 AF/year will no longer need to be imported to the City (~45%) or pumped from the groundwater basin (~55%).

Other project benefits. Please provide a detailed explanation of the project benefits and their significance. These benefits may include, but are not limited to, the following:

(1) Combating the Climate Crisis: E.O. 14008: "Tackling the Climate Crisis at Home and Abroad", focuses on increasing resilience to climate change and supporting climate resilient development. Please describe how the project will address climate change, including:

- *Please provide specific details and examples on how the project will address the impacts of climate change and help combat the climate crisis.*

  Response: The Project addresses the impacts of climate change and helps to combat the climate crisis by reducing water and energy consumption due to decreased water loss and increased conservation and reducing the amount of water needed to be imported or pumped from the local groundwater basin. The Project also decreases fuel consumption because installation of AMI eliminates the need for field representatives to drive throughout the service areas with AMI meters to collect meter readings each month, resulting in fuel savings and reduced greenhouse gas emissions, in addition to savings on truck maintenance and the environmental impacts due to fleet replacement.

- *Does this proposed project strengthen water supply sustainability to increase resilience to climate change?*

  Response: The Project strengthens water supply sustainability to increase resilience to climate change by 1) reducing local water demands which in turn reduces the need for imported water resulting in greater water supply sustainability locally and at the regional level, and 2) improving customer education and engagement resulting in improved conservation practices and climate change awareness at the individual level.

- *Will the proposed project establish and utilize a renewable energy source?*

  Response: No the project will not establish and utilize a renewable energy source.

- *Will the project result in lower greenhouse gas emissions?*

  Response: Yes, the project will result in 29,800 pounds of CO2 per year greenhouse gas reduction from energy usage for water treatment and distribution, and 178 pounds of CO2 per year greenhouse gas reduction from reduced vehicle miles driven.

(2) Disadvantaged or Underserved Communities: E.O. 14008 and E.O. 13985 support environmental and economic justice by investing in underserved and disadvantaged communities and addressing the climate-related impacts to these communities, including impacts to public health, safety, and economic opportunities. Please describe how the project supports these Executive Orders, including:

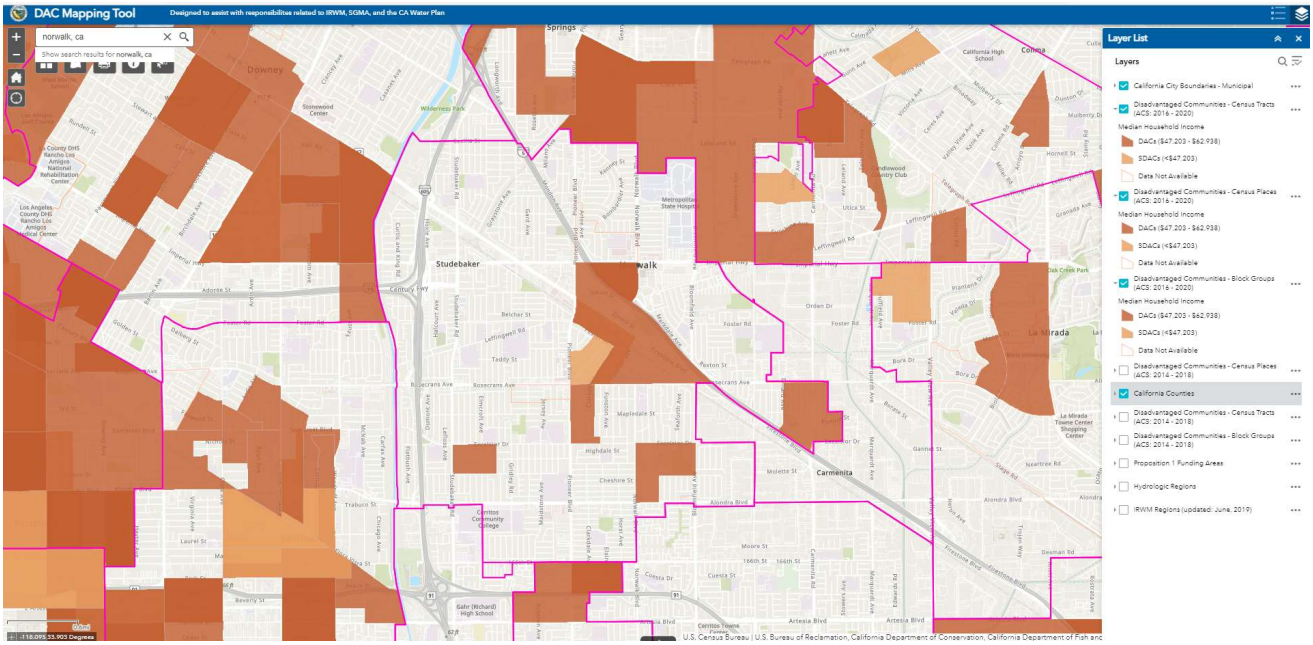
a. Does the proposed project directly serve and/or benefit a disadvantaged or historically underserved community? Benefits can include, but are not limited to: public health and safety through water quality improvements, new water supplies, new renewable energy sources, or economic growth opportunities.

Response: The project will benefit disadvantaged communities throughout the City through water conservation and sustainability.

Disadvantaged communities within the City were identified utilizing the California Disadvantages Communities Mapping Tool developed by the California Department of Water Resources, as shown in Figure 1d1 (see hyperlink below title). The tool shows an estimated DAC population within the City of 13,894 people in 3,810 homes that will benefit from the Project.

Figure 1d1 – DACs Within City of Norwalk

Source: California Disadvantaged Communities Mapping Tool | Adaptation Clearinghouse



b. If the proposed project is providing benefits to a disadvantaged community, provide sufficient information to demonstrate that the community meets the disadvantaged community definition in Section 1015 of the Cooperative Watershed Act, which is defined as a community with an annual median household income that is less than 100 percent of the statewide annual median household income for the State, or the applicable state criteria for determining disadvantaged status.

Response: Please refer to Response a above.

c. If the proposed project is providing benefits to an underserved community, provide sufficient information to demonstrate that the community meets the underserved definition in E.O. 13985, which includes populations sharing a particular characteristic, as well as geographic communities, that have been systematically denied a full opportunity to participate in aspects of economic, social, and civic life.

Response: Please refer to Response a above.

(3) Tribal Benefits: The Department of the Interior is committed to strengthening tribal sovereignty and the fulfillment of Federal Tribal trust responsibilities. The President's memorandum "Tribal Consultation and Strengthening Nation-to-Nation Relationships" asserts the importance of honoring the Federal government's commitments to Tribal Nations. Please address the following, if applicable:

Response: While the meter replacement program does not occur directly on tribal land, the project will indirectly benefit tribes in the Southern California region through the benefits of water conservation and water supply sustainability. On a statewide level, the project contributes to the Reclamation's goal to meet trust responsibilities in the SWP and CRA areas since the project will be reducing demand on these sources of imported water to the Southern California Region.

(4) Other Benefits: Will the project address water and/or energy sustainability in other ways not described above? For example:

a. Will the project assist States and water users in complying with interstate compacts?

Response: By conserving 20.1 AF/year of water, the project reduces demand on imported water sources from the SWP and the CRA. This reduction in demand helps California and the other partner states of Arizona, Nevada, Colorado, New Mexico, Utah, and Wyoming in the ongoing implementation of the Colorado River Interstate Water Compact of 1922, for the purpose of provide equitable division and apportionment of the use of the water of the Colorado River System; establish the relative importance of the different beneficial uses of water; to promote interstate comity; remove causes of present and future controversies; source the expeditious agriculture and industrial development of Colorado River Basin, the storage of its waters; and the protection of life and property from floods.

b. Will the project benefit multiple sectors and/or users (e.g., agriculture, municipal and industrial, environmental, recreation, or others)?

Response: This project will benefit other water use sectors in that a reduction in demand from residential use will help to ensure water is available for these other sectors as needed.

c. Will the project benefit a larger initiative to address sustainability?

Response: Due to the ongoing drought conditions and its significant impacts to California and imported water sources, there is significant initiative to address sustainability and conservation throughout the state. The City's AMI project, and many like it being undertaken by water agencies in the region, support and benefit the goals of regional and statewide ongoing campaigns such as the Save Our Water campaign by the California Department of Water Resources and the Association of California Water Agencies. It also helps meet goals and requirements for water conservation issued by the office of the governor and the State Water Resources Control Board. These efforts within California also provide benefits and are closely tied to the success of water sustainability efforts throughout the entire western region.

d. Will the project help to prevent a water-related crisis or conflict? Is there frequently tension or litigation over water in the basin?

Response: There is water-related conflict over limited water supplies within the Bay-Delta and the Colorado River from which much of southern California receives imported water. This crisis has been heightened by the recent years for drought and its direct impact of water supply availability, particularly in the Colorado River and its reservoirs. The City's AMI project will help to reduce the amount of water needed for import to southern California.

Evaluation Criterion D – Complementing On-Farm Irrigation Improvements

Response: This criterion is not applicable to this project.

Evaluation Criterion E – Planning and Implementation

Subcriterion E.1 – Project Planning

Points may be awarded for proposals with planning efforts that provide support for the proposed project. Does the applicant have a Water Conservation Plan and/or System Optimization Review (SOR) in place? Does the project address an adaptation strategy identified in a completed WaterSMART Basin Study? Please self-certify or provide copies of these plans where appropriate to verify that such a plan is in place. Including a specific excerpt or a link to the planning document may also be considered where appropriate. Provide the following information regarding project planning:

(1) Identify any district-wide, or system-wide, planning that provides support for the proposed project. This could include a Water Conservation Plan, SOR, Drought Contingency Plan or other planning efforts done to determine the priority of this project in relation to other potential projects.

Response: The following planning documents provide support for the proposed project:

- City's 2020 Urban Water Management Plan, which outlines the best management practice of installing replacement meters to improve conservation and reduce leakage/losses, and 2020 Water Shortage Contingency Plan, which points to the criticality of accurate metering and public access to meter and water usage information in order to reduce usage and repair leaks.

https://www.norwalk.org/city-hall/departments/public-services/water-sewer-services#!/

- City Ordinance for Water Conservation Requirements to align with the State's emergency water use regulations demonstrating commitment to conservation, education, and public outreach.

https://norwalk.granicus.com/MetaViewer.php?view_id=1&clip_id=702&meta_id=34104

- Gateway Integrated Regional Water Management Plan demonstrating regional collaboration for water conservation, sustainability, and climate resiliency.

CONTENTS (gatewaywater.org)

(2) Describe how the project conforms to and meets the goals of any applicable planning efforts and identify any aspect of the project that implements a feature of an existing water plan(s).

Response: As described above, the Project is identified in the City's 2020 UWMP. Specifically, the project conforms to the Conservation Measures, 4.2.1 BMP 1 Utility Operations – Metering which calls to replace inadequate meters to improve detection and remediation of large increases in water consumption with real-time data.

(3) If applicable, provide a detailed description of how a project is addressing an adaptation strategy specifically identified in a completed WaterSMART Basin Study or Water Management Options Pilot (e.g., a strategy to mitigate the impacts of water shortages resulting from climate change, drought, increased demands, or other causes).

Response: While a completed WaterSMART Basin Study is not available in the Project area, studies have been completed in adjacent basins (Los Angeles and Santa Ana Watersheds) and the following climate change adaptation strategies identified in those studies apply to this project: Reduce Demand through reduced water losses/leaks and customer conservation; Resource Stewardship through improved management strategies; Public Education through public outreach/education and customer access to real time water usage and knowledge of how customer water use connects to the region as a whole.

Subcriterion E.2 – Readiness to Proceed

Points may be awarded based upon the extent to which the proposed project is capable of proceeding upon entering into a financial assistance agreement. Please note, if your project is selected, responses provided in this section will be used to develop the scope of work that will be included in the financial assistance agreement. Applications that include a detailed project implementation plan (e.g., estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates) will receive the most points under this criterion.

- *Identify and provide a summary description of the major tasks necessary to complete the project. Note: please do not repeat the more detailed technical project description provided in Section D.2.2.2. Application Content. This section should focus on a summary of the major tasks to be accomplished as part of the project.*

  Response: The City has successfully implemented initial phases of AMI meter replacements, including grant administration and compliance for the previous WEEG grant, and is ready and able to quickly and efficiently proceed with this project based upon this experience. The project will be implemented under the three major tasks identified in the project description, including Administration, Environmental Compliance, and Contracting and Installation.

- *Describe any permits that will be required, along with the process for obtaining such permits.*

  Response: There are no required permits anticipated for the project, as all work will be conducted at current meter and service lateral locations on City property.

- *Identify and describe any engineering or design work performed specifically in support of the proposed project.*

  Response: As noted in the response above, the engineering design package utilized for the previous phases will be updated and ready for use for this Project immediately upon award and environmental clearance.

- *Describe any new policies or administrative actions required to implement the project.*

  Response: No new policies or administrative actions are requirement to implement the Project.

- *Please also include an estimated project schedule that shows the stages and duration of the proposed work, including major tasks, milestones, and dates. Milestones may include, but are not limited to, the following: complete environmental and cultural compliance; mobilization; begin construction/installation; construction/installation (50% complete); and construction/installation (100% complete). Was the expected timeline for environmental and cultural compliance discussed with the local Reclamation Regional or Area Office?*

Response: Table 1d2 present the estimated project schedule.

Table 1d2 – Estimated Project Schedule

Milestone/Task	Start	End	Duration
Funding Award		*5/31/2023*	
Task 1: Administration	6/1/2023	5/31/2025	24 months
Task 2: Environmental Documentation	6/1/2023	8/31/2023	3 months
Task 3: Contracting and Installation			
Bidding/Award of Construction Contract	7/1/2023	9/30/2023	3 months
Construction/Installation 50% complete	10/1/2023	7/31/2024	10 months
Construction/Installation 100% complete	8/1/2024	5/31/2025	10 months

Evaluation Criterion F – Collaboration

Up to 6 points may be awarded for projects that promote and encourage collaboration among parties in a way that helps increase the sustainability of the water supply. Please describe how the project promotes and encourages collaboration. Consider the following:

- *Is there widespread support for the project? Please provide specific details regarding any support and/or partners involved in the project. What is the extent of their involvement in the process?*

  Response: The City of Norwalk is a member of the Gateway Water Management Authority (GWMA), comprised of 24 cities and 2 government entities responsible for regional water planning needs of 2 million people in the Gateway Cities Region. The Gateway Region is located in Southeast Los Angeles County, an area that includes a large expanse of land located around the lower reaches of the Los Angeles River and San Gabriel River watersheds. There are currently 26 signatories to the Gateway Region. Distinctive hydrogeological, topographic, demographic and political elements bring the Gateway WMA together as a cohesive interdependent self-governing body. The cities and water districts share water resource; have common water quality; and share demographic similarities. These common traits provide a unique opportunity to jointly find common, integrated, and coordinated solutions to water conservation and water management planning. The initial phase of AMI meter replacements within the City of Norwalk was implemented cooperatively with other GMWA agencies as subrecipients to a 2017 WEEG grant. This initial collaboration provided the impetus for the individual agencies, including the City, to continue to implement additional replacements within their respective water systems, with widespread support throughout the Gateway Region.

- *What is the significance of the collaboration/support?*

  Response: This regional approach to water conservation encourages further cooperation between agencies and consumers in achieving their individual water conservation goals, while benefitting the water sustainability of the local region as well as the larger Western region due to the reduced reliance on SWP and CRA imported supplies.

- *Will this project increase the possibility/likelihood of future water conservation improvements by other water users?*

  Response: Yes, the many benefits of successful implementation of this project, and similar projects undertaken by the Gateway WMA, such as improved water sustainability, greater customer engagement, and more effective and efficient water system management will demonstrate to other cities and water suppliers the effectiveness of water conservation through AMI projects and hopefully result in even more similar projects throughout the region.

- *Please attach any relevant supporting documents (e.g., letters of support or memorandum of understanding).*

  Response: Please see six letters of support attached to this application.

Evaluation Criterion G – Additional Non-Federal Funding

Up to 4 points may be awarded to proposals that provide non-Federal funding in excess of 50 percent of the project costs. State the percentage of non-Federal funding provided using the following calculation:

Response: The proposed non-federal share for this project is shown on Form SF-424:

Non-Federal Funding / Total Project Cost = $555,882 / $1,048,834 = 53%

Evaluation Criterion H – Nexus to Reclamation

Response: This criterion is not applicable to this project.

1e. Performance Measures

The proposed Project will provide multiple benefits that can be quantified, as shown in Table 1e1 below.

Table 1e1 – Performance Measures

BENEFIT TYPE	DESCRIPTION	METHOD OF MEASUREMENT
1. Water conservation	Reduction in average amount of water utilized by a household or commercial property, calculated by comparing before and after water consumption data.	Acre-ft/year
2. Energy Efficiency	Energy savings resulting from reduced water production and distribution due to reduced water demand, calculated by comparing pre- and post-project energy billings for water production and distribution.	kW-hr/year

2. Project Budget

2a. Funding Plan and Letters of Commitment

The City of Norwalk will authorize funding from its Water Enterprise Funds at the August 16, 2022 City Council Meeting (see attached draft official resolution) to contribute the full amount of non-federal share for this project.

2b. Budget Proposal and Funding Plan

The total project cost (Total Project Cost), is the sum of all allowable items of costs, including all required cost sharing and voluntary committed cost sharing, including third-party contributions, that are necessary to complete the project. Table 2b1 provides the total project cost. Table 2b2 summarizes the funding sources. Table 2b3 shows the budget proposal.

Table 2b1 – Summary of Funding Sources

FUNDING SOURCE	AMOUNT
Non-Federal Entities	
City of Norwalk Cash Contributions	$ 530,091
City of Norwalk Value of In-house resources	$ 25,791
Non Federal Subtotal	$ 555,882
REQUESTED RECLAMATION FUNDING	**$ 492,952**

Table 2b2 – Total Project Cost Table

SOURCE	AMOUNT
Costs to be reimbursed with the requested Federal Funding	$ 492,952
Costs to be paid by the applicant	$ 555,882
Value of third-party contributions	$ 0
TOTAL PROJECT COSTS	**$ 1,048,834**

Table 2b3 – Budget Proposal

Item Description	Computation		Quantity Type	Total Cost
	$/Unit	Quantity		
a. Personnel				
Public Services Director	$85.00/HR	20	HR	$ 1,700.00
Senior Civil Engineer	$61.00/HR	175	HR	$ 10,675.00
Associate Engineer	$47.00/HR	80	HR	$ 3,760.00
b. Fringe Benefits				

Full-Time Employees	59.9%	1	LS	$ 9,656
c. Travel				
Not Applicable				$ 0.00
d. Equipment				
AMI Meters & Accessories	$190.90/meter	477	EA	$ 91,056.00
Wiring, Accessories, Lids&Boxes	$196.96/meter	477	EA	$ 93,949.10
e. Supplies and Materials				
Not Applicable				$ 0.00
f/g. Contractual / Construction				
Construction				
Meter Installation	$411.32/meter	477	EA	$ 196,200.00
Service Lateral Replacements	$305.90/LF	1,045	LF	$ 319,675.00
SiteWork/Asphalt/Misc	$513.19/meter	477	EA	$ 244,790.01
CM and Inspection				$ 77,373.01
h. Other				
Not Applicable				$ 0.00
i. TOTAL DIRECT COSTS				
j. Indirect Costs				$ 0.00
k. TOTAL ESTIMATED PROJECT COSTS				**$ 1,048,834.12**

2c. Budget Narrative

a. Salaries and Wages: The Project Manager for this project will be Jacqueline Koontz, PE, Senior Civil Engineer, and the Public Services Director, Glen Kau, PE will provide oversight and approvals. They will be assisted primarily by Associate Engineer, Julio Gonzalez. The salaries for these employees are not anticipated to be escalated within the contract implementation period.

b. Fringe Benefits: Fringe benefits for key staff are calculated at approximately 59.9% of wages.

c. Travel: Travel is not included in this proposal.

d. Equipment: Costs for equipment are estimated from the cost of previous meter replacement work.

e. Supplies and Materials: Supplies and materials are not included in this proposal.

f. Contractual and g. Construction: The expected contractual expenditures are for consultants for construction management and inspections. The expected construction expenditures are for award to a contractor for meter installation, replacement of service laterals, and repair/replacement of asphalt and striping complete and in place to implement project operation.

h. Other: No other costs are included in this proposal.

j. Indirect Costs: No indirect costs are included in this proposal.

3. Environmental and Cultural Resources Compliance

To allow Reclamation to assess the probable environmental and cultural resources impacts and costs associated with each application, all applicants should consider the following list of questions focusing on the NEPA, ESA, and NHPA requirements. Please answer the following questions to the best of your knowledge. If any question is not applicable to the project, please explain why.

- *Will the proposed project impact the surrounding environment (e.g., soil [dust], air, water [quality and quantity], animal habitat)? Please briefly describe all earth-disturbing work and any work that will affect the air, water, or animal habitat in the project area. Please also explain the impacts of such work on the surrounding environment and any steps that could be taken to minimize the impacts.*

  Response: The internal evaluation of the project has determined that the project falls under Categorical Exemption for CEQA as identified by the State Resources Agency. (CEQA Guidelines 14 CCR Section 15300-15331). A Notice of Exemption will be filed by the City. The major part of the project involves replacement of existing meters and only minor earth disturbance to replace service lines in areas that have been fully disturbed for the original installations. Because there is "no substantial evidence, in light of the whole record before the agency, that the project as revised may have a significant effect on the environment," the project will have a Categorical Exemption.

- *Are you aware of any species listed or proposed to be listed as a Federal threatened or endangered species, or designated critical habitat in the project area? If so, would they be affected by any activities associated with the proposed project?*

  Response: The Project is not anticipated to have impacts on animal habitat or sensitive biological resources.

- *Are there wetlands or other surface waters inside the project boundaries that potentially fall under CWA jurisdiction as "Waters of the United States?" If so, please describe and estimate any impacts the proposed project may have.*

  Response: No federally protected wetlands or other Waters of the United States occur within the Project site. There will be no impact to such resources.

- *When was the water delivery system constructed?*

  Response: Construction of the water delivery system began in the 1940s.

- *Will the proposed project result in any modification of or effects to, individual features of an irrigation system? If so, state when those features were constructed and describe the nature and timing of any extensive alterations or modifications to those features completed previously.*

  Response: No.

- *Are any buildings, structures, or features in the irrigation district listed or eligible for listing on the National Register of Historic Places? A cultural resources specialist at your local Reclamation office or the State Historic Preservation Office can assist in answering this question.*

  Response: No.

- *Are there any known archeological sites in the proposed project area?*

  Response: There are no known or anticipated archeological resources as the site has been extensively developed, graded, and compacted in the past.

- *Will the proposed project have a disproportionately high and adverse effect on low income or minority populations?*

  Response: The Project will not have a disproportionately high or adverse effect on low income or minority populations. The Project is expected to benefit these populations.

- *Will the proposed project limit access to and ceremonial use of Indian sacred sites or result in other impacts on tribal lands?*

  Response: The Project will not limit access to or ceremonial use of Indian sacred sites or result in other impacts on tribal lands.

- *Will the proposed project contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area?*

  Response: The Project will be implemented within areas already disturbed. Any earth-disturbing work would have limited potential to contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species.

4. Required Permits or Approvals

No permits or approvals are anticipated to be required in order to implement the project.

5. Letters of Project Support

Please see attached letters of support from:

- Water Replenishment District
- Central Basin Municipal Water District
- City of Cerritos
- City of Santa Fe Springs
- Golden State Water Company, local private water company
- Liberty Utilities, local private water company

6. Official Resolution and Required Statements

Overlap or Duplication of Effort Statement: There is no overlap between the proposed project and any other active or anticipated proposals or projects in terms of activities, costs, or commitment of key personnel. This proposal does not in any way duplicate any proposal or project that has been or will be submitted for funding consideration.

Conflict of Interest Disclosure Statement: There is no actual or potential conflict of interest at the time of submission of this application.

Uniform Audit Reporting Statement: The City submitted a Single Audit Report for the fiscal year ending June 30, 2021. The report is available on the Federal Audit Clearinghouse website, EIN 95-6005882.

Official Resolution: Please see attached draft authorizing resolution for this project. The resolution will be adopted by the City Council on August 16, 2022 and the final adopted resolution will be sent to the Bureau at that time.

7. Attachments

Letters of Support

Draft Resolution

Copies of Signed Mandatory Forms

Proof of SAM Registration

Letters of Support

WATER REPLENISHMENT DISTRICT

July 26, 2022

Josh German
WaterSMART Grants Program Coordinator, Bureau of Reclamation
1849 C Street NW
Washington DC 20240-0001

RE: Support for the City of Norwalk's Smart Meter Upgrade Program Grant Application to the WaterSMART Water Energy Efficiency Grant Program for Fiscal Year 2023

Dear Mr. German:

The Water Replenishment District of Southern California (WRD) is pleased to provide this letter of support for the City of Norwalk's (City's) Smart Meter Upgrade Program.

The City is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City has been committed to conservation and has been successful in reducing per capita water use through outreach and partnership with its residents and local agencies. The Smart Meter Upgrade Program is a critical part of the City's ongoing water conservation efforts to respond to the recurring drought conditions in California. The program will install Advanced Metering Infrastructure (AMI) and Automated Meter Reading (AMR) water meters to provide near real-time water consumption data and improved water management tools. Through this program, City staff and residents will have access to information and tools to quickly respond to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency..

This grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This allows the City and its residents to monitor water consumption in real time data, resulting in measurable water and energy savings. The City has already completed some of the initial work and would be ready to implement this project upon receipt of the Notice of Award.

The WRD is in support of the City's water conservation efforts and believes their Smart Meter Upgrade Program is a great candidate for the WaterSmart Grant Program.

Sincerely,

Rob Beste
Assistant General Manager / Chief Operating Officer

Central Basin
Municipal Water District

Central Basin MWD
P.O. Box 911579
Los Angeles, CA 90091

Office: 323.201.5500
www.centralbasin.org

July 15, 2022

Mr. Josh German
WaterSMART Grants Program Coordinator
Bureau of Reclamation

SUBJECT: LETTER OF SUPPORT FOR CITY OF NORWALK SMART METER UPGRADE PROGRAM

Dear Mr. German:

This letter is to express our strong support for the City of Norwalk's (City's) grant application for the Bureau of Reclamation's Fiscal Year 2023 WaterSMART Water and Energy Efficiency Grants program to help implement their Smart Meter Upgrade Program.

The City is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City of Norwalk has been committed to conservation and has a successful record of outreach and partnership with its residents and local agencies to reduce per capita water use. The City's Smart Meter Upgrade Program is a critical part of its ongoing water conservation efforts to respond to the recurring drought conditions in California and throughout the West. It will provide near real-time water consumption data and improved water management tools. This allows for an expedient response to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency.

This grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This allows the City and its residents to monitor water consumption in real time data, resulting in measurable water and energy savings. The City has already completed some of the initial work and would be ready to implement this project upon receipt of the Notice of Award.

I respectfully ask for your kind consideration of this grant application.

Sincerely,

General Manager
Central Basin Municipal Water District

CC: Jacque Koontz, Senior Civil Engineer, City of Norwalk
Glen W.C. Kau, Public Services Director/City Engineer, City of Norwalk

CITY OF CERRITOS SM
CIVIC CENTER · 18125 BLOOMFIELD AVENUE
P.O. BOX 3130 · CERRITOS, CALIFORNIA 90703-3130
PHONE: (562) 860-0311 · CERRITOS.US

Cerritos All-America City 2008

July 19, 2022

Mr. Josh German
WaterSMART Grants Program Coordinator
Bureau of Reclamation

Subject: **LETTER OF SUPPORT FOR CITY OF NORWALK SMART METER UPGRADE PROGRAM**

Dear Mr. German:

On behalf of the City of Cerritos, I submit this letter to express our strong support for the City of Norwalk's grant application for the Bureau of Reclamation's Fiscal Year 2023 WaterSMART Water and Energy Efficiency Grants program to help implement their Smart Meter Upgrade Program.

The City of Norwalk ("City") is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City has been committed to conservation and has a successful record of outreach and partnership with its residents and local agencies to reduce per capita water use. The City's Smart Meter Upgrade Program is a critical part of its ongoing water conservation efforts to respond to the recurring drought conditions in California and throughout the West. It will provide near real-time water consumption data and improved water management tools. This allows for an expedient response to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency.

The City's grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This will allow the City and its residents to monitor water consumption data in real time, resulting in measurable water and energy savings. The City of Norwalk has indicated that it has already completed some of the initial work and would be ready to implement this project upon receipt of the Notice of Award.

The City of Cerritos is one of several urban water suppliers that serves the City of Norwalk, and we applaud the City of Norwalk's efforts to conserve water. We respectfully ask for your kind consideration of this grant application.

Sincerely,

Robert A. Lopez
Director of Public Works/Water & Power

cc Art Gallucci, City Manager
Glen W.C. Kau, Public Services Director/City Engineer, City of Norwalk
Jacque Koontz, Senior Civil Engineer, City of Norwalk

CITY OF
SANTA FE SPRINGS
11710 TELEGRAPH ROAD ♦ CA ♦ 90670-3679 ♦ (562) 868-0511 ♦ (562) 868-8112 ♦WWW.SANTAFESPRINGS.ORG

DEPARTMENT OF PUBLIC WORKS

July 18, 2022

Josh German
WaterSMART Grants Program Coordinator
Bureau of Reclamation

Subject: **Letter of Support for City Of Norwalk Smart Meter Upgrade Program**

Dear Josh German:

This letter is to express our strong support for the City of Norwalk's (City's) grant application for the Bureau of Reclamation's Fiscal Year 2023 WaterSMART Water and Energy Efficiency Grants program to help implement their Smart Meter Upgrade Program.

The City is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City of Norwalk has been committed to conservation and has a successful record of outreach and partnership with its residents and local agencies to reduce per capita water use. The City's Smart Meter Upgrade Program is a critical part of its ongoing water conservation efforts to respond to the recurring drought conditions in California and throughout the West. It will provide near real-time water consumption data and improved water management tools. This allows for an expedient response to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency.

This grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This allows the City and its residents to monitor water consumption in real time data, resulting in measurable water and energy savings. The City has already completed some of the initial work and would be ready to implement this project upon receipt of the Notice of Award.

I respectfully ask for your kind consideration of this grant application.

Very truly yours,

Noe Negrete
Director of Public Works/City Engineer

c: Glen W.C. Kau, Public Services Director/City Engineer, City of Norwalk
Jacque Koontz, Senior Civil Engineer, City of Norwalk

Golden State
Water Company
A Subsidiary of American States Water Company

July 15, 2022

Mr. Josh German
WaterSMART Grants Program Coordinator
Bureau of Reclamation

SUBJECT: LETTER OF SUPPORT FOR CITY OF NORWALK SMART METER UPGRADE PROGRAM

Dear Mr. German:

This letter is to express our support for the City of Norwalk's (City's) grant application for the Bureau of Reclamation's Fiscal Year 2023 WaterSMART Water and Energy Efficiency Grants program to help implement their Smart Meter Upgrade Program.

The City is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City of Norwalk has been committed to conservation and has a successful record of outreach and partnership with its residents and local agencies to reduce per capita water use. The City's Smart Meter Upgrade Program is a critical part of its ongoing water conservation efforts to respond to the recurring drought conditions in California and throughout the West. It will provide near real-time water consumption data and improved water management tools. This allows for an expedient response to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency.

12035 Burke Street, #1 Santa Fe Springs, CA 90670
Tel: (562) 907-9200 | Fax: (562) 907-7060 | www.gswater.com

This grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This allows the City and its residents to monitor water consumption in real time data, resulting in measurable water and energy savings.

Sincerely,

David Schickling
General Manager – Central District
Golden State Water Company

CC: Glen W.C. Kau, Public Services Director/City Engineer, City of Norwalk
Jacque Koontz, Senior Civil Engineer, City of Norwalk

Mr. Josh German
WaterSMART Grants Program Coordinator
Bureau of Reclamation

SUBJECT: LETTER OF SUPPORT FOR CITY OF NORWALK SMART METER UPGRADE PROGRAM

Dear Mr. German:

This letter is to express our strong support for the City of Norwalk's (City's) grant application for the Bureau of Reclamation's Fiscal Year 2023 WaterSMART Water and Energy Efficiency Grants program to help implement their Smart Meter Upgrade Program.

The City is in the heart of East Los Angeles County, where dense population and arid Southern California climate make conserving water a significant effort. The City of Norwalk has been committed to conservation and has a successful record of outreach and partnership with its residents and local agencies to reduce per capita water use. The City's Smart Meter Upgrade Program is a critical part of its ongoing water conservation efforts to respond to the recurring drought conditions in California and throughout the West. It will provide near real-time water consumption data and improved water management tools. This allows for an expedient response to issues such as water leakage or overuse, thereby reducing waste and improving water and energy efficiency.

This grant application (Notice of Funding Opportunity No. R23AS00008) supports the City's continued efforts for upgrades to its water meter infrastructure. This allows the City and its residents to monitor water consumption in real time data, resulting in measurable water and energy savings. The City has already completed some of the initial work and would be ready to implement this project upon receipt of the Notice of Award.

I respectfully ask for your kind consideration of this grant application.

Sincerely,

Gabriel Gomez
Operations Manager
Liberty Utilities

CC: Glen W.C. Kau, Public Services Director/City Engineer, City of Norwalk
Jacque Koontz, Senior Civil Engineer, City of Norwalk

Draft Resolution

CITY OF NORWALK
A Connected Community

City Council Agenda Report
August 16, 2022

TO: Honorable City Council

FROM: Jesus M. Gomez, City Manager

BY: Glen W. C. Kau, P.E., Director of Public Services/City Engineer
Jacqueline Koontz, P.E., Senior Civil Engineer

SUBJECT: **RESOLUTION NO. XX-XX COMMITMENT TO FINANCIAL AND LEGAL OBLIGATIONS FOR GRANT FUNDING ASSISTANCE THROUGH THE UNITED STATES BUREAU OF RECLAMATION WATERSMART PROGRAM FOR IMPLEMENTATION OF ADVANCED METERING INFRASTRUCTURE (AMI) UPGRADE PROGRAM**

Background:

"WaterSMART Water and Energy Efficiency Grants" is a category of grant funding made available through the United States Bureau of Reclamation (USBR) to support projects focused on planning and implementing projects to increase water supply sustainability. More specifically, through investments in existing infrastructure and attention to addressing local water issues. This funding is for projects that seek to conserve and use water more efficiently, and accomplish other benefits that contribute to water supply sustainability for Fiscal Year (FY) 2023. The USBR's Notice of Funding Opportunity No. R23AS00008 is offering three funding categories with a minimum matching funding requirement of 50%.

Funding Category	Maximum Funding	Agreement Term
Funding Group I	Up to $500,000	2 Years
Funding Group II	Up to $2,000,000	3 Years
Funding Group III	Up to $5,000,000	3 Years

Municipal metering projects can provide water savings when existing individual user meters are replaced with advanced metering infrastructure (AMI) meters. Due to this, the City has been working towards implementing AMI across its service area. In FY 2018, the City completed Phase 1 of the AMI Meter System Installation project utilizing grant funding from the USBR. Phase 1 replaced 614 water meters in the central, east, and southeast service areas. Recently, in FY 2022, the City completed Phase 2 of the same program and installed an additional 338 water meters. Phase 1 and Phase 2 included the

replacement of existing water meters and installation of data transmitting endpoints, meter boxes, meter box lids, water service laterals, and restoration of streets, curb, gutter, and sidewalk. City staff are now working on Phase 3, which will replace approximately 477 meters and associated equipment. The following is a breakdown of the estimated project costs:

Personnel Costs	$25,791
Equipment Costs	$185,005.10
Construction Costs	$838,038.02
Estimated Total Project Cost	$1,048,834.12

In order to qualify for grant funding, the City submitted an application on, or before July 28, 2022. In addition to submitting an application, the City must submit an Official Resolution adopted by City Council within 30 days after the application deadline. Staff worked with Bucknam and Associates to complete and submit a grant application due to their extensive experience providing grant application support, and familiarity with the City's previous meter replacement projects. The application submitted requested $492,952.04 under Funding Group I for a two-year funding term. If awarded, grant funding will cover 47% of total project costs.

Fiscal Impact:

The anticipated notice of award will be in Winter of 2022, with an award date of May 31, 2023. The City will be required to commit a total of $555,882.08 over a two-year term. City staff anticipate project expenditures to commence July 1, 2023 through June 30, 2025.

Citizens Advised: N/A

Strategic Plan 2021 Implementation: N/A

Recommended Action:

Staff recommends City Council:

a. adopt Resolution No. 22-XX, A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF NORWALK AUTHORIZING A COMMITMENT TO FINANCIAL AND LEGAL OBLIGATIONS FOR GRANT FUNDING ASSISTANCE THROUGH THE UNITED STATES BUREAU OF RECLAMATION WATERSMART PROGRAM FOR IMPLEMENTATION OF THE ADVANCED METERING INFRASTRUCTURE (AMI) UPGRADE PROGRAM; and

b. should the City's application result in funding awarded under NOFO No. R23AS00008; authorize the City Manager, or City Manager's designee, to enter into a grant or cooperative agreement with the United States Bureau of Reclamation, and execute any amendments to the agreement, provided there is funding in the budget, on behalf of the City, in a form approved by the City Attorney.

Attachments:
Resolution No. 22-XX

Copies of Signed Mandatory Forms

View Burden Statement

OMB Number: 4040-0004
Expiration Date: 12/31/2022

Application for Federal Assistance SF-424

* 1. Type of Submission:
- ( ) Preapplication
- (•) Application
- ( ) Changed/Corrected Application

* 2. Type of Application:
- (•) New
- ( ) Continuation
- ( ) Revision

* If Revision, select appropriate letter(s):

* Other (Specify):

* 3. Date Received:

4. Applicant Identifier:

5a. Federal Entity Identifier:

5b. Federal Award Identifier:

State Use Only:

6. Date Received by State:

7. State Application Identifier:

8. APPLICANT INFORMATION:

* a. Legal Name: City of Norwalk

* b. Employer/Taxpayer Identification Number (EIN/TIN): 95-6005882

* c. UEI: WN2HYD8YB3H5

d. Address:

* Street1: 12650 Imperial Highway
Street2:
* City: Norwalk
County/Parish:
* State: CA: California
Province:
* Country: USA: UNITED STATES
* Zip / Postal Code: 90650-3144

e. Organizational Unit:

Department Name: Public Services

Division Name:

f. Name and contact information of person to be contacted on matters involving this application:

Prefix:
* First Name: Glen
Middle Name:
* Last Name: Kau
Suffix:

Title: Public Services Director / City Engineer

Organizational Affiliation:

* Telephone Number: (562) 929-5511
Fax Number:

* Email: gkau@norwalkca.gov

Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

C: City or Township Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

United States Bureau of Reclamation

11. Catalog of Federal Domestic Assistance Number:

15.507

CFDA Title:

*** 12. Funding Opportunity Number:**

R23AS00008

* Title:

WaterSmart Grants: Water and Energy Efficiency Grants for Fiscal Year 23

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment | Delete Attachment | View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Advanced Meter Infrastructure(AMI)Municipal Water Meter Upgrade Program

Attach supporting documents as specified in agency instructions.

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant: CA-038 * b. Program/Project: CA-038

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment | Delete Attachment | View Attachment

17. Proposed Project:

* a. Start Date: 07/01/2023 * b. End Date: 07/01/2025

18. Estimated Funding ($):

* a. Federal	492,952.04
* b. Applicant	555,882.08
* c. State	0.00
* d. Local	0.00
* e. Other	0.00
* f. Program Income	0.00
* g. TOTAL	1,048,834.12

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

- ○ a. This application was made available to the State under the Executive Order 12372 Process for review on .
- ○ b. Program is subject to E.O. 12372 but has not been selected by the State for review.
- ◉ c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

○ Yes ◉ No

If "Yes", provide explanation and attach

Add Attachment | Delete Attachment | View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

☑ ** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name: Glen

Middle Name:

* Last Name: Kau

Suffix:

* Title: Public Services Director / City Engineer

* Telephone Number: (562) 929-5511 Fax Number:

* Email: gkau@norwalkca.gov

* Signature of Authorized Representative: Glen Kau * Date Signed: 07-27-22

BUDGET INFORMATION - Non-Construction Programs

OMB Number: 4040-0006
Expiration Date: 02/28/2025

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. WaterSmart Grants: Water and Energy Efficiency Grants for Fiscal Year 23	15.507	$	$	$ 492,952.04	$ 555,882.08	$ 1,048,834.12
2.						
3.						
4.						
5. Totals		$	$	$ 492,952.04	$ 555,882.08	$ 1,048,834.12

SECTION B - BUDGET CATEGORIES

6. Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total
	(1) WaterSmart Grants: Water and Energy Efficiency Grants for Fiscal Year 23	(2)	(3)	(4)	(5)
a. Personnel	$ 25,791.00	$	$	$	$ 25,791.00
b. Fringe Benefits					
c. Travel					
d. Equipment	185,005.10				185,005.10
e. Supplies					
f. Contractual					
g. Construction	838,038.02				838,038.02
h. Other					
i. Total Direct Charges (sum of 6a-6h)	1,048,834.12				$ 1,048,834.12
j. Indirect Charges					$
k. TOTALS (sum of 6i and 6j)	$ 1,048,834.12	$	$	$	$ 1,048,834.12
7. Program Income	$	$	$	$	$

SECTION C - NON-FEDERAL RESOURCES

(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e)TOTALS
8. WaterSmart Grants: Water and Energy Efficiency Grants for Fiscal Year 23	$ 555,882.08	$	$	$ 555,882.08
9.				
10.				
11.				
12. TOTAL (sum of lines 8-11)	$ 555,882.08	$	$	$ 555,882.08

SECTION D - FORECASTED CASH NEEDS

	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	$ 265,000.00	$ 66,250.00	$ 66,250.00	$ 66,250.00	$ 66,250.00
14. Non-Federal	$ 235,000.00	58,750.00	58,750.00	58,750.00	58,750.00
15. TOTAL (sum of lines 13 and 14)	$ 500,000.00	$ 125,000.00	$ 125,000.00	$ 125,000.00	$ 125,000.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT

(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b)First	(c) Second	(d) Third	(e) Fourth
16. WaterSmart Grants: Water and Energy Efficiency Grants for Fiscal Year 23	$ 227,952.04	$	$	$
17.				
18.				
19.				
20. TOTAL (sum of lines 16 - 19)	$ 227,952.04	$	$	$

SECTION F - OTHER BUDGET INFORMATION

21. Direct Charges:

22. Indirect Charges:

23. Remarks:

View Burden Statement

OMB Number: 4040-0007
Expiration Date: 02/28/2025

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C.§§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.

10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is $10,000 or more.

11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).

12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.

13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593(identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).

14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.

15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.

16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

19. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
Glen Kau	Public Services Director / City Engineer
APPLICANT ORGANIZATION	DATE SUBMITTED
City of Norwalk	07-27-22

Standard Form 424B (Rev. 7-97) Back

OMB Number: 4040-0008
Expiration Date: 02/28/2025

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	$ 25,791.00	$	$ 25,791.00
2. Land, structures, rights-of-way, appraisals, etc.	$ 0.00	$	$ 0.00
3. Relocation expenses and payments	$ 0.00	$	$ 0.00
4. Architectural and engineering fees	$ 0.00	$	$ 0.00
5. Other architectural and engineering fees	$ 0.00	$	$ 0.00
6. Project inspection fees	$ 77,373.01	$	$ 77,373.01
7. Site work	$ 0.00	$	$ 0.00
8. Demolition and removal	$ 0.00	$	$ 0.00
9. Construction	$ 674,695.00	$	$ 674,695.00
10. Equipment	$ 185,005.10	$	$ 185,005.10
11. Miscellaneous	$	$	$
12. SUBTOTAL *(sum of lines 1-11)*	$ 962,864.11	$	$ 962,864.11
13. Contingencies	$ 85,970.01	$	$ 85,970.01
14. SUBTOTAL	$ 1,048,834.12	$	$ 1,048,834.12
15. Project (program) income	$	$	$
16. TOTAL PROJECT COSTS *(subtract #15 from #14)*	$ 1,048,834.12	$	$ 1,048,834.12

FEDERAL FUNDING

17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter the resulting Federal share.	Enter eligible costs from line 16c Multiply X 47 %	$ 492,952.04

View Burden Statement

ASSURANCES - CONSTRUCTION PROGRAMS

OMB Number: 4040-0009
Expiration Date: 02/28/2025

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

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NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant:, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of project described in this application.

2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.

3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.

4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.

5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the assistance awarding agency or State.

6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.

7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.

8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards of merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).

9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.

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11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.

12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.

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17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).

18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."

19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

20. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE
Glen Kau	Public Services Director / City Engineer
APPLICANT ORGANIZATION	DATE SUBMITTED
City of Norwalk	07-27-22

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C.1352

OMB Number: 4040-0013
Expiration Date: 02/28/2025

Review Public Burden Disclosure Statement

1. * Type of Federal Action:
- ( ) a. contract
- (•) b. grant
- ( ) c. cooperative agreement
- ( ) d. loan
- ( ) e. loan guarantee
- ( ) f. loan insurance

2. * Status of Federal Action:
- ( ) a. bid/offer/application
- (•) b. initial award
- ( ) c. post-award

3. * Report Type:
- (•) a. initial filing
- ( ) b. material change

4. Name and Address of Reporting Entity:

(•) Prime ( ) SubAwardee

* Name: City of Norwalk

* Street 1: 12650 Imperial Highway Street 2:

* City: Norwalk State: CA: California Zip:

Congressional District, if known: CA-038

5. If Reporting Entity in No.4 is Subawardee, Enter Name and Address of Prime:

6. * Federal Department/Agency:
United States Bureau of Reclamation

7. * Federal Program Name/Description:
WaterSmart (Water and Energy Efficiency Grants for Fiscal Year 23)

CFDA Number, *if applicable:* 15.507

8. Federal Action Number, *if known:*

9. Award Amount, *if known:*$

10. a. Name and Address of Lobbying Registrant:

Prefix: * First Name: Laura (Carpi & Clay, Inc.) Middle Name:

* Last Name: Morgan-Kessler Suffix:

* Street 1: 601 New Jersey Ave NW, Suite 300 Street 2:

* City: Washington DC State: WA: Washington Zip: 20001

b. Individual Performing Services (including address if different from No. 10a)

Prefix: * First Name: Laura (Carpi & Clay, Inc.) Middle Name:

* Last Name: Morgan-Kessler Suffix:

* Street 1: 601 New Jersey Ave NW, Suite 300 Street 2:

* City: Washington DC State: WA: Washington Zip: 20001

11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when the transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure.

*** Signature:** Glen Kau

***Name:** Prefix: * First Name: Glen Middle Name:

* Last Name: Kau Suffix:

Title: Public Services Director / City Engineer **Telephone No.:** (562) 929-5511 **Date:** 07-27-22

Federal Use Only:

Authorized for Local Reproduction
Standard Form - LLL (Rev. 7-97)

OMB Number: 4040-0019
Expiration Date: 02/28/2025

Project Abstract Summary

This Project Abstract Summary form must be submitted or the application will be considered incomplete. Ensure the Project Abstract field succinctly describes the project in plain language that the public can understand and use without the full proposal. Use 4,000 characters or less. Do not include personally identifiable, sensitive or proprietary information. Refer to Agency instructions for any additional Project Abstract field requirements. If the application is funded, your project abstract information (as submitted) will be made available to public websites and/or databases including USAspending.gov.

Funding Opportunity Number

R23AS00008

CFDA(s)

15.507

Applicant Name

City of Norwalk

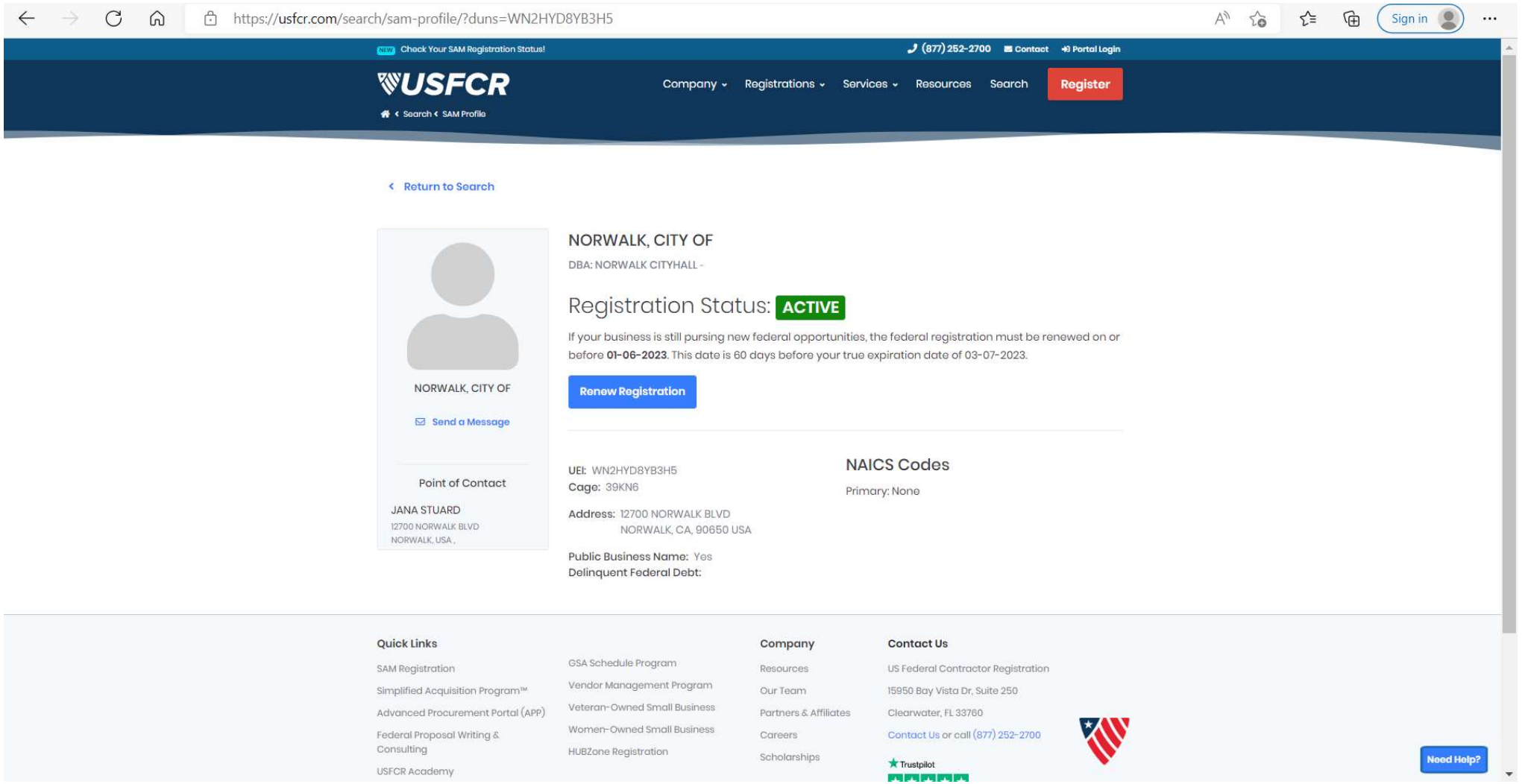
Descriptive Title of Applicant's Project

Advanced Meter Infrastructure (AMI) Municipal Water Meter Upgrade Program

Project Abstract

The City of Norwalk's municipal water meter upgrade program addresses a primary source of water loss for the City and will improve water management, conservation, and reliability efforts. The vast majority of the City's meters have surpassed their expected service life and have diminished operational efficiency. This operational inefficiency leads to undetected leaks and unaccounted water usage and losses, thereby negatively impacting water supply availability and water costs for its own customers as well as the Southern California region as a whole. The installation of 477 Advanced Meter Infrastructure (AMI) meters will help mitigate these losses in a timely and efficient manner with 24/7 monitoring and alert capabilities, resulting in conservation of the region's precious water resources. Customers will benefit from AMI technology through reliable, secure, and real time access to their water usage data through the customer portal, enabling them to adjust water usage during peak times, reduce overall water usage, and identify unusual losses or leaks quickly. The automated technology will also improve efficiency by reducing labor time to read meters, cost of vehicle maintenance, and greenhouse gas emissions from the vehicle miles traveled. The equipment to be installed includes Badger AMI meters (3/4-inch to 2-inch in size) and accessories, meter boxes, lids, and repair/installation of replacement service laterals, including trenching and asphalt repair, where necessary.

Proof of SAM Registration


https://usfcr.com/search/sam-profile/?duns=WN2HYD8YB3H5
Sign in
NEW Check Your SAM Registration Status!
(877) 252-2700
Contact
Portal Login
USFCR
Search < SAM Profile
Company
Registrations
Services
Resources
Search
Register
Return to Search
NORWALK, CITY OF
Send a Message
Point of Contact
JANA STUARD
12700 NORWALK BLVD
NORWALK, USA ,
NORWALK, CITY OF
DBA: NORWALK CITYHALL -
Registration Status: ACTIVE
If your business is still pursing new federal opportunities, the federal registration must be renewed on or before 01-06-2023. This date is 60 days before your true expiration date of 03-07-2023.
Renew Registration
UEI: WN2HYD8YB3H5
Cage: 39KN6
Address: 12700 NORWALK BLVD
NORWALK, CA, 90650 USA
Public Business Name: Yes
Delinquent Federal Debt:
NAICS Codes
Primary: None
Quick Links
SAM Registration
Simplified Acquisition Program™
Advanced Procurement Portal (APP)
Federal Proposal Writing & Consulting
USFCR Academy
GSA Schedule Program
Vendor Management Program
Veteran-Owned Small Business
Women-Owned Small Business
HUBZone Registration
Company
Resources
Our Team
Partners & Affiliates
Careers
Scholarships
Contact Us
US Federal Contractor Registration
15950 Bay Vista Dr, Suite 250
Clearwater, FL 33760
Contact Us or call (877) 252-2700
Trustpilot
Need Help?