

***DESIGN, ENGINEERING, PERMITTING &
IMPLEMENTATION PLANNING SERVICES***



Prepared for the City of Fontana

June 08, 2026

City of Fontana
8353 Sierra Avenue
Fontana, CA 92335

Attn: Phillip Burum

Project Introduction

Alco Building Solutions is pleased to submit this proposal to provide design, engineering, utility coordination, permitting, and implementation planning services for three City of Fontana facilities: the Don Day Neighborhood Center, the Jessie Turner Health and Fitness Community Center, and the City of Fontana Civic Center. This engagement establishes the technical foundation for three connected systems at each site: on-site solar photovoltaic generation, battery energy storage with microgrid controls, and DC fast charging infrastructure. Each system is engineered to reduce long-term operating costs, strengthen facility resiliency, and prepare the city for transportation electrification.

The purpose of this phase is to advance each facility to a permit-ready and implementation-ready state. Construction is not included. By completing design and permitting first, the City gains accurate cost visibility, reduces project risk, and positions each facility to move directly into construction once funding and approvals are secured.

We are pleased to offer the following services for the project described above.

1. DESIGN AND ENGINEERING

Solar PV, battery storage, microgrid, and DC fast charging systems are engineered to a permit-ready level of detail for each facility.

2. UTILITY COORDINATION

Engagement with the serving utility to confirm available service capacity and interconnection requirements.

3. PERMITTING SUPPORT

Preparation and management of permit submissions through Authority Having Jurisdiction approval.

4. IMPLEMENTATION PLANNING

Preliminary construction budget, procurement strategy, and schedule to guide the construction phase.

Note: This proposal covers Phase 1 only. Construction and grant application services are not included. Grant activities are performed by others. Alco Building Solutions may provide technical information generated through engineering to support third-party funding efforts if requested.

Project Locations

This proposal addresses three City facilities. The site profiles below establish the framework for assessment and design. Final system capacities will be confirmed through field investigation, utility review, and engineering analysis.

1. Don Day Neighborhood Center

14501 Live Oak Avenue, Fontana, CA 92337

A community-serving facility evaluated on-site solar generation, battery storage, and electric vehicle charging. Engineering will confirm available roof and site area, existing electrical capacity, and the most effective configuration to offset facility load and support resiliency.

- Rooftop or site-mounted solar photovoltaic system
- Battery energy storage with microgrid controls for critical loads
- DC fast charging infrastructure
- Electrical infrastructure and utility coordination as required

2. Jessie Turner Health and Fitness Community Center

15556 Summit Avenue, Fontana, CA 92336

A high-use community and fitness facility with strong potential for energy cost reduction and resiliency. Design will assess solar generation capacity, critical-load backup through battery storage, and charging infrastructure sized for community demand.

- Solar photovoltaic system sized to facility consumption
- Battery energy storage and microgrid integration
- DC fast charging infrastructure
- Service and interconnection coordination with the utility

3. City of Fontana Civic Center

8353 Sierra Avenue, Fontana, CA 92335

The City's central civic facility, where resiliency and continuity of operations are priorities. Engineering will evaluate solar generation, battery storage for essential systems, microgrid architecture, and charging infrastructure for fleet and public use.

- Solar photovoltaic generation
 - Battery energy storage with microgrid controls for essential operations
 - DC fast charging infrastructure & Electrical, utility infrastructure planning
-

Scope of Services

The scope is organized into eight tasks that move each facility from existing-conditions assessment through permit-ready design and implementation planning. Each task produces a defined deliverable.

Task 1: Site Investigation and Existing Conditions Assessment

Establish a verified baseline of site and electrical conditions at each facility.

- Site verification and field measurement
- Existing electrical system review
- Utility service review
- Existing conditions documentation
- Facility assessment

Deliverable: Existing Conditions Report

Task 2: Conceptual Design Development

Translate site findings into a feasible, constructible concept for each system.

- Preliminary layouts
- Equipment strategy
- Site feasibility review
- Constructability review
- Infrastructure planning

Deliverable: Concept Design Package

Task 3: Solar PV Engineering

Engineer the photovoltaic systems to a permit-ready level of detail.

- Production modeling
- System sizing
- Preliminary layouts
- Electrical calculations
- Single-line diagrams
- Equipment schedules
- Permit-ready design documents

Deliverable: Solar PV Design Package

Task 4: Battery Energy Storage and Microgrid Engineering

Define storage capacity and microgrid architecture to protect critical loads.

- Battery sizing
- Critical load evaluation
- Microgrid architecture
- Controls strategy
- Electrical integration

Deliverable: BESS and Microgrid Design Package

Task 5: DC Fast Charging Infrastructure Engineering

Engineer the charging infrastructure and supporting electrical systems.

- 150 kW minimum DC fast charging infrastructure
- Charger location planning
- Electrical load calculations
- Conduit routing
- Utility review
- Site design

Deliverable: EV Charging Design Package

Task 6: Utility Coordination

Engage the serving utility to confirm service and interconnection requirements.

- Utility engagement
- Service review
- Interconnection support
- Utility comment resolution

Deliverable: Utility Coordination Package

Task 7: Permitting Support

Prepare and manage permit submissions through agency approval.

- Permit application preparation
- Authority Having Jurisdiction coordination

- Plan check response
- Permit revisions

Deliverable: Permit Submission Package

Task 8: Implementation Planning

Produce the budget, procurement, and schedule framework to guide construction.

- Preliminary construction budget
- Procurement planning
- Long-lead equipment identification
- Preliminary implementation schedule
- Construction sequencing recommendations

Deliverable: Implementation Planning Report

Compensation

Fees are presented by facility and divided between engineering and permitting services. Final values are confirmed under separate cover. Construction is not included and will be priced separately.

Don Day Neighborhood Center

Engineering Services	\$105,000
Permitting Services (Allowance)	\$25,000
Facility Subtotal	\$130,000

Jessie Turner Health and Fitness Community Center

Engineering Services	\$105,000
Permitting Services (Allowance)	\$25,000
Facility Subtotal	\$130,000

City of Fontana Civic Center

Engineering Services	\$105,000
Permitting Services (Allowance)	\$25,000
Facility Subtotal	\$130,000

Project Total: \$390,000

Note: The 50% incentive described below applies to these engineering and permitting fees, subject to the stated conditions.

Letter of Intent Incentive

Alco Building Solutions is committed to serving as the City's long-term implementation partner. The incentive below reflects that commitment.

50% Letter of Intent Discount

Alco Building Solutions is pleased to offer a 50% discount on the cost of this proposal, contingent upon the City issuing a Letter of Intent to Alco Building Solutions for the construction and implementation of the project.

This discount shall apply only if the City is awarded grant funding for the project. In the event the City does not receive grant funding, the discounted pricing shall not apply unless otherwise agreed to in writing by both parties.

The Letter of Intent shall confirm the City's intent to contract with Alco Building Solutions for the construction portion of the project, subject to successful grant award, final scope approval, mutually acceptable contract terms, and any required City approvals.

The discounted engineering and permitting fee are offered in reliance upon the City's stated intention to utilize Alco Building Solutions as its preferred implementation partner for the construction phase of the project following grant award.

Acceptance

Acceptance of this proposal authorizes Alco Building Solutions to proceed with the design, engineering, utility coordination, permitting support, and implementation planning services described herein. Phase 2 construction and implementation will be provided under a separate agreement following design completion and grant award.

If you have any questions, please contact me at (657) 445-5306.

Sincerely,

Farhan Sheikh

Farhan Sheikh
Chief Operating Officer
Alco Building Solutions

Approved by: _____

Date: _____