CITY of BRISBANE

Planning Issues Subcommittee Agenda

Thursday, July 30, 2020 at 10:00 AM • Virtual Meeting

This meeting is compliant with the Governors Executive Order N-29-20 issued on March 17, 2020 allowing for deviation of teleconference rules required by the Brown Act. The purpose of this is to provide the safest environment for staff, subcommittee members and the public while allowing for public participation. The public may address the subcommittee using exclusively remote public comment options.

TO ADDRESS THE SUBCOMMITTEE

The meeting will be an exclusively virtual meeting. The agenda materials may be viewed online at www.brisbaneca.org at least 72 hours prior to the meeting.

REMOTE PUBLIC COMMENTS

Meeting participants are encouraged to submit public comments in writing in advance of the meeting. The following email and text line will be monitored during the meeting and public comments received will be read into the record during Public Comment or during an Item.

Email: aibarra@brisbaneca.org
Text: 415-407-2675
Call-in number during the meeting for oral communications: 1-669-900-9128

Meeting ID: 953 3723 8829 (After entering the meeting ID and pressing #, simply press # a second time to enter the meeting waiting room. No participant code is required. Please wait on the call until a Subcommittee or Staff Member announces that the phone line is open.)

PUBLIC MEETING VIEWING

Public Meetings may be viewed live by joining the Zoom Meeting listed below. Please follow guidelines above for Public Comments.

https://zoom.us/j/95337238829?pwd=TnVMRnNJVHIraFNIQm5ralpBaExXUT09

Meeting ID: 953 3723 8829

Password: 012705

To listen to the meeting if not using computer audio, dial: 1-669-900-9128

SPECIAL ASSISTANCE

If you need special assistance to participate in this meeting, please contact Angel Ibarra at (415) 508-2109. Notification in advance of the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

SUBCOMMITTEE MEMBERS:

Mayor O'Connell, Mayor Pro Tempore Cunningham

PRESENTATIONS AND DISCUSSION ITEMS

A. Discuss Proposed Energy Storage (Battery) Facility within the Guadalupe Hills General Plan Subarea

PUBLIC COMMENT

ADJOURNMENT

File Attachments for Item:

Discuss Proposed Energy Storage Facility within the Guadalupe Hills General Plan Subarea

MEMORANDUM

DATE: 30 July 2020

TO: Planning Subcommittee

FROM: John Swiecki, Community Development Director

SUBJECT: **Potential Energy Storage Facility**

A potential project sponsor has approached the City about establishing a renewable energy storage facility within the Guadalupe Hills General Plan subarea. The potential developer has provided the attached information regarding their firm and projects they have completed. The purpose of today's meeting is for further discussion and for the subcommittee to provide feedback.

A.

Capital Dynamics
TRULY INVESTED.

TENASKA®

Making Clean Energy Battery Storage Available in California

Capital Dynamics is a leading clean energy investment firm with three decades of experience in investing in clean energy infrastructure.

Tenaska is an independent power producer whose expertise lies in leveraging changing energy needs into infrastructure solutions.

Together they have formed Falcon Energy Storage Holdings, LLC, which owns the project(s).

Capital Dynamics and Tenaska are seeking to site clean energy battery storage projects in several California cities and counties to support local energy reliability and maximize the use of clean, renewable energy sources like solar and wind. These premiere, nationwide firms create a robust team leading development of battery storage projects that will be designed to efficiently store renewable energy that can then be deployed back to the grid during peak energy usage periods.

Currently, California relies heavily on carbon-emitting fossil-fueled power resources to meet daily and peak energy needs. Battery storage is a proven, safe, reliable, cost-effective alternative that reduces the state's dependence on fossil fuels, and in turn, brings the state closer to achieving its clean air and clean energy goals.

How It Works

Utility-scale battery storage systems are large banks of lithium-ion batteries connected to the electric grid via a transmission line.

When power produced from solar and wind facilities exceeds energy needs or what the grid can safely and reliably handle, production from these facilities must often be shut down or curtailed, resulting in these resources being "wasted" and going unused. Batteries can store this unused energy, and then discharge it back to the grid, often in the evening or at other peak times, providing grid resiliency and reliability.

Project Benefits

- **Invests $200 to $300 million in each community's economy**
- **Provides significant local property tax revenues**
- **Has limited traffic impacts to nearby residents or businesses during construction and no traffic impact when operating**
- **Creates approximately 100 well-paying construction jobs and several part-time positions to operate the facility**
- **Strengthens existing electrical infrastructure**
- **Improves electric grid resiliency and reliability**
- **Is operationally quiet**
- **Maximizes the use and integration of renewable energy sources**
- **Provides new capacity for growing businesses and residential communities**
- **Can safely power up to 200,000 homes for four hours (based on megawatt capacity)**

A.

Technology and Safety

Capital Dynamics and Tenaska have a proven track record of safely constructing and operating renewable energy projects across the country.

Battery storage devices, like cellphone batteries, do not generate radiation and involve little to no fire risk when properly designed, installed, tested and operated. The battery storage systems will contain protection and control features, including a battery management system that shuts down when operational environments are anything less than optimal.

The battery facility must receive all necessary approvals from the local fire marshal and permitting authorities in each jurisdiction.

Anticipated Locations and Design

Capital Dynamics/Tenaska's battery storage projects are anticipated to be located in the areas of San Diego, Los Angeles, the Bay Area, Orange County and Imperial Valley. Battery storage facilities are ideally sited close to an electrical substation and transmission system. The facilities are typically located in population centers to provide maximum support and value for the electric grid.

The main battery storage components are the battery storage containers, which include racks of batteries, control units and fire protection equipment; voltage transformers and inverters; and a small on-site substation. Most locations will use containers that range from 10 to 25 feet long, six to eight feet deep, and six to 10 feet high. The project team will work closely with each community to ensure impacts are mitigated and the facility fits in as seamlessly as possible.

Source: pv-magazine-usa.com

Project Team:

OWNER:

CapitalDynamics
TRULY INVESTED.

capdyn.com

DEVELOPER:

TENASKA®

tenaska.com

The resulting company is Falcon Energy Storage Holdings, LLC, which owns the project(s).

Permitting Process and Construction

The permitting and approval process varies for each project based on local municipality requirements and zoning. The process includes submitting an application, investigating and/or mitigating potential effects, and obtaining necessary environmental and construction permits. Project construction can move forward once all site permitting approvals are secured and electric grid connection authorizations are in place. Construction typically lasts for eight to 12 months. In each community, the project team will conduct extensive community outreach to ensure the area stakeholders are fully informed about the proposed projects and can provide meaningful input to promote a collaborative development outcome.

In each California community, Capital Dynamics/Tenaska are committed to being good neighbors and helping to ensure clean energy solutions will support the economic health and vitality of the region.

"Reaching California's goal of a carbon-free grid by 2045 could require as much as 15,000 MW [megawatts] of battery storage."

- California Independent System Operator (CAISO) President and CEO Steve Berberich