Exhibit to Agenda Item #1

Discuss authorizing the Chief Executive Officer and General Manager to negotiate and award a contract to **NV5 Geospatial Inc.** for Light Detection and Ranging (LiDAR), Remote Sensing, and Data Analytics Professional Services for a five-year term from June 19, 2026, to June 18, 2031, in the not-to-exceed amount of $11 million.

Board Finance & Audit Committee and Special SMUD Board of Directors Meeting

Tuesday, June 16, 2026, scheduled to begin at 6:00 p.m.

SMUD Headquarters Building, Auditorium

Light Detection & Ranging (LiDAR)

- LiDAR is a remote sensing technology that uses laser pulses to measure distances and create precise 3-D representations of objects and features
- Accurate to 6-10 cm
- This technology has been programmatically supporting SMUD since 2017

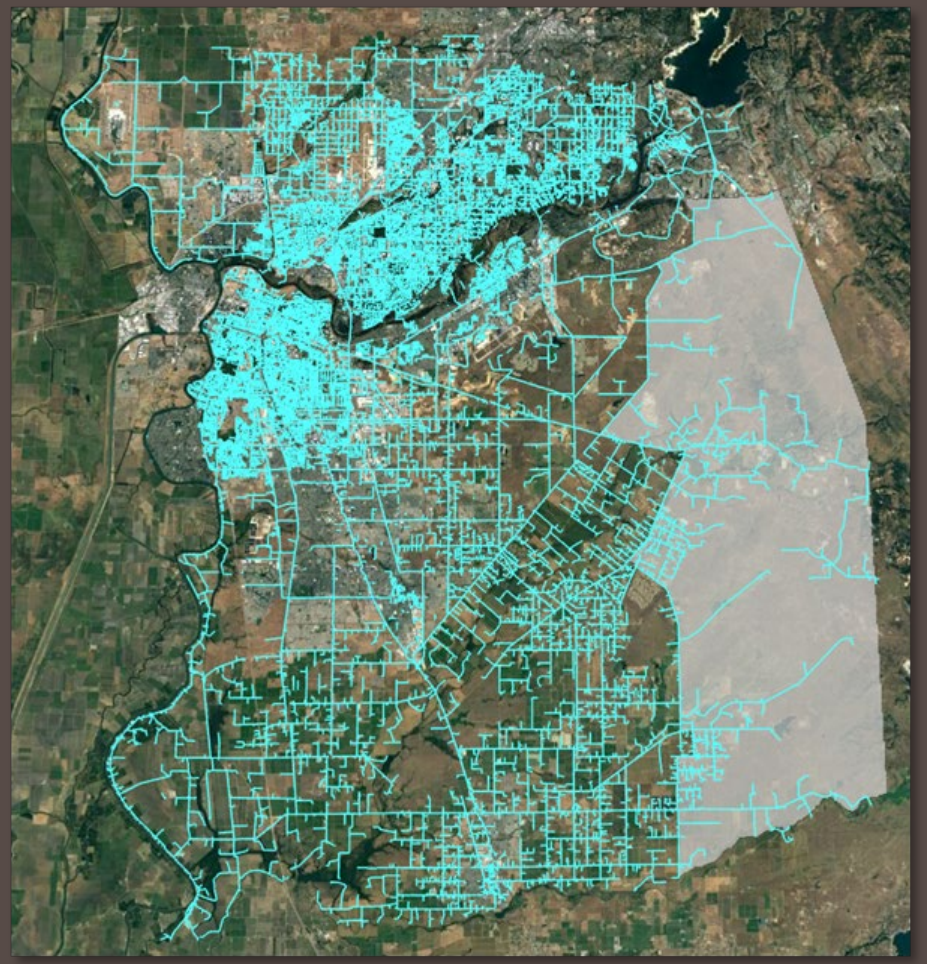
Benefits Realized (since 2017)

- Highly Accurate Measurements (6-10cm)
  - Used on Transmission and Distribution Vegetation Management patrols to provide system reliability, public safety, and enhance programmatic efficiencies.
  - In 2025 **410 Miles** of Distribution assets identified by Li-DAR as “clear”
    - Improved employee safety and reduction in customer impacts as locations without Li-DAR detections do not need to be impacted by an arborist visit
  - Li-DAR has become an industry standard and best management practice
  - Recommended by WECC for Vegetation Management
  - Ability to prioritize work by risks and conditions

One SMUD Approach

- Enterprise wide technology

- Used as One SMUD technology to support:
  - Transmission and Distribution Vegetation Management patrols
  - Support UARP Wildfire Mitigation Work
  - Support SMUD Annual Insurance meetings
  - Support NERC regulatory evidence
  - Transmission engineering assessments
  - Gas Pipeline (inspection of encroachments)
  - New siting and construction for line builds and substations



Additional Services

- Aerial Orthographic Imagery
  - Imagery with a 4th infrared band capable of identifying stressed, dead, or dying vegetation risks
- Oblique Imagery
  - High quality 36+ megapixel imagery to enhance proximity measurements performed
- Satellite Remote Sensing
  - Satellite based measurements to identify and prioritize risks and model forecasted risk conditions
  - Allows SMUD to adapt seamlessly to evolving technology
- Unmanned Arial Systems (UAS)
  - Ensure flexibility as technology advancements enable more accurate and efficient data collection
  - Allows SMUD to adapt seamlessly to evolving technology

Procurement Process

- RITM0120076.AS was released in December 2025 to solicit proposals from qualified firms.
- SMUD received seven proposals.
  - Three of the seven proposers satisfied SMUD's mandatory requirements and minimum point threshold for commercial evaluation.

Responsive Proposals Received	Pass/Fail	SEED Points	Technical Points	Price Point	Total Score	Rank	Proposal Amount	Seed Credit	Evaluated Proposal Amount	Proposed Award Amount
		10	60	30	100					
NV5 Geospatical Inc.	Pass	10.00	56.50	30	96.50	1	$9,662,140	$250,000	$9,412,140	$11,000,000
GeoDigital International Corp	Pass	10.00	45.25	29.39	84.64	2	$9,857,561	$250,000	$9,607,561	-
Utility Tree Service, LLC	Pass	-	45.35	16.81	62.16	3	$16,793,003	-	$16,793,003	-

Non-Responsive Proposals Received	Comments
Cyient Inc.	Did not satisfy mandatory requirements
TraceAir Technologies, Inc	Did not satisfy mandatory requirements
Aethon Aerial Us Corp	Did not satisfy minimum point threshold
Sharper Shane, Inc.	Did not satisfy minimum point threshold

Questions?