ROWLAND UNIFIED SCHOOL DISTRICT
1830 S. NOGALES STREET
ROWLAND HEIGHTS, CA 91748

ADDENDUM 2

Disaster Recovery (Data Back-Up & Recovery)

RATE FUNDING YR (3 Years)

RFQ/RFP # 2025/26: (E3)

JUNE 23, 2025

TO ALL PROSPECTIVE BIDDERS:

Note: *The following Addendum shall become part of the contract documents, and the bidder shall provide for all work as required by this Addendum. Acknowledge receipt of the Addendum on the Bid Proposal Form.*

Specifications/Clarifications:

RFI 1
Reference: Exhibit A, Page 11 Please provide an inventory of protected workloads, including:
• Total number of VMs and physical servers
Answer: 78 VMs, 4 Physical Servers
• Virtualization platforms in use (e.g., VMware, Hyper-V, Nutanix AHV)
Answer: Must support VMWare and Nutanix
• Any cloud-native workloads in Google Cloud Platform or other IaaS environments
Answer: No

RFI 2
Reference: Exhibit A, Page 11
Please confirm whether backup coverage should extend to non-server endpoints (e.g., staff or administrative laptops/desktops, Google Workspace or Office 365 accounts/objects), and if so, how many and what operating systems are in scope, and who is responsible for deploying the agents globally?
Answer: No

RFI 3
Reference: Exhibit A, Page 11
Please identify the number of application workloads that require application-consistent or agent-based protection (e.g., SQL Server, Exchange, Active Directory, Oracle), including version, count of instances, total data size (GB/TB) and platform.
Answer: No Application/Agent Based backups VMs only.

RFI 4
Reference: Exhibit A, Page 11
Please provide current logical data volumes for:
• Total protected storage (pre- and post-deduplication if known)
Answer: 63,687.18 GB
Unsure of pre-deduplication

• NAS/file share storage (with file count or average file size if available)

Answer: N/A

RFI 5

Reference: Exhibit A, Page 11

What are the expected daily and monthly data change rates (in TB or %) to support capacity forecasting for backup windows and archive sizing?

Answer: Unknown.

RFI 6

Reference: Exhibit A, Page 12

While the RFP states an RPO/RTO objective of under two hours, please provide the following clarifications to guide accurate system sizing, backup job scheduling, and resource allocation:

• Does the two-hour RPO refer to the completion of incremental backups, full backups, synthetic fulls, or all backup types?

Answer: Incremental

• Are all workloads expected to meet this SLA, or only specific Tier 1 (mission-critical) systems?

Answer: Tier 1 only.

• For Tier 2 and Tier 3 workloads, is a daily (every 24 hours) backup cadence sufficient, or are there additional expectations for mid-day or near-real-time recovery points?

Answer: Yes. 24 hours.

• Please estimate the number of systems or amount of data (in TB) by recovery tier:

o Tier 1 – Mission-critical (must meet 2-hour RPO/RTO)

Answer: 8

o Tier 2 – Business-essential (e.g., daily backup acceptable)

Answer: 20

o Tier 3 – Archival or low-priority (longer RPO/RTO acceptable)

Answer: 10

RFI 7

Reference: Exhibit A, Page 11

Should backup frequency differ across tiers (e.g., hourly for mission-critical systems and daily for others), or should a uniform backup cadence be assumed?

Answer: Differ.

RFI 8

Reference: Exhibit A, Page 11

Please confirm the desired backup retention schedule for each tier:

Answer: • Daily: 14 days

Answer: • Weekly: 6 weeks

Answer: • Monthly: 12 months

Answer: • Annual/Archive: 3 years

• Legal hold/compliance retention (if any): duration and workload type

RFI 9

Reference: Exhibit A, Page 12
What is the estimated annual data growth rate (in TB or %) that should be used for sizing cloud and on-prem storage for years 2 and 3?

Answer: 2 per year.

RFI 10
Reference: Exhibit A, Page 12
Does the district require immutable storage for:
• All backup copies• Only off-site/cloud archive copies
• Only select workloads (e.g., SIS, HR, financial data)

Answer: No immutable storage.

RFI 11
Reference: Exhibit A, Page 12
Should all archived data be stored in cloud-based object storage, or will a hybrid archive model (e.g., on-prem for short-term, cloud for long-term) be preferred?

Answer: All hybrid.

RFI 12
Reference: Exhibit A, Page 12
If cloud object storage is used for archive, how much data (in TB) is expected to be ingested into cloud in year one, and how often will archive data be accessed or restored?

Answer: 40TB (Frequency restore: Annually for testing of recovery procedures, Access for backup: Daily)

RFI 13
Reference: Exhibit A, Page 12
Is cloud-based failover expected to support:
• All Tier 1 workloads

Answer: Yes

• A subset of critical systems only

Answer: Yes

• Temporary access (e.g., <72 hours) or sustained operations (1+ week)?

RFI 14
Reference: Exhibit A, Page 11
What is the available network bandwidth (in Gbps) between the South Hub and North Hub, and is replication expected to occur between those sites or solely to/from the cloud?

Answer: Replication is expected between the North and South hubs on 100Gbps links.

RFI 15
Reference: Exhibit A, Page 12
Should the proposed solution include dedicated on-premises infrastructure (e.g. immutable SAN, or recovery compute) or leverage existing compute/storage assets at the district?

Answer: No

RFI 16
Reference: Exhibit A, Page 12
If new hardware is proposed, please confirm the available rack space, power, and cooling capacity at the South and North Hub data centers.

Answer: Any reasonable capacity will be provided.

RFI 17
Reference: Exhibit A, Page 12
Is the expectation to decommission the existing Unitrends system after go-live of the new solution, or should it remain in place for a defined period of parallel retention or migration?

Answer: Replace current system after time.

RFI 18
Reference: Exhibit A, Page 12
Will any historical backup sets on the Unitrends platform require migration or export into the new system? If so, how much data and over what timeframe?

Answer: If possible, but not required.

RFI 19
Reference: Exhibit A, Page 12
Should the vendor include sandbox environments or dedicated compute for disaster recovery testing, or will the district use production compute capacity for test events?

Answer: Vendor Sandbox.

RFI 20
Reference: Exhibit A, Page 12
Please describe the expected frequency and scope of disaster recovery testing (e.g., quarterly simulated failover, annual full-site test, monthly file restore checks).

Answer: Annual.

RFI 21
Reference: Exhibit A, Page 12
Should professional services include full authoring of DR runbooks and backup policies, or will those be provided by the district?

Answer: Not necessary.

RFI 22
Reference: Exhibit A, Page 12
How many administrative users will need access to the backup and DR system, and should access roles be scoped (e.g., view-only, restore-only, admin)?

Answer: 2-3 Admins. Likely admin roles only.

RFI 23
Reference: Exhibit A, Page 12
Should reporting include compliance and audit reporting (e.g., backup success/failure, restore verification, immutable policy status, DR test outcomes), and if so over what

frequency/period?

Answer: Yes. Weekly.

RFI 24
Reference: Exhibit A, Page 12
Should the proposed solution support integration with identity providers (e.g., Active Directory or EntraID) for access control and audit trail purposes?

Answer: Yes, On-premises Microsoft AD.

RFI 25
Reference: Exhibit A, Page 12
Does the district expect post-implementation vendor-managed services (e.g., backup monitoring, periodic restore testing, policy review), or will operations be fully transitioned to internal IT staff?

Answer: Operations will be transitioned to internal IT staff, with full training and support.

RFI 26
Reference: Exhibit A, Page 12
What is the desired on-premises retention duration before data is archived or expired (e.g., 30 days on-prem, then migrate to archive) or should backups be written in parallel to cloud/object storage at the time of job creation, or should cloud archival occur only after the local retention period expires?

Answer: Cloud data should be written in parallel.

RFI 27
Reference: Exhibit A, Page 12
If data is retained both on-prem and in the cloud, should both copies be preserved for the full retention period, or can cloud copies replace local retention after a defined threshold?

Answer: Cloud copies can replace local retention.

RFI 28
Reference: Exhibit A, Page 12
Please confirm whether the targeted RTO/RPO of under two hours applies exclusively to on-premises restores, or if it also applies to data stored in cloud-based or long-term archive tiers.

Answer: On-premises only.

Given that cloud archive restores (especially from cold or immutable tiers) may require additional time due to bandwidth constraints, object rehydration delays, or staging windows, please clarify:

• Which workloads, if any, are expected to meet a 2-hour RTO when restored from cloud archive.

Answer: Domain controller VM, DNS server VM. Call Manager VM.

• Whether cloud-based restores are intended for full DR failover or for low-frequency restoration only (e.g., legal hold or point-in-time recovery)

Answer: Full DR failover.

• If archive-tier backups are expected to follow a different frequency model (e.g., weekly

fulls or monthly synthetic fulls) and a longer acceptable RTO/RPO

Answer: Yes, archive-tier backups may follow a reduced frequency.

RFI 29

Reference: Exhibit A, Page 12

If backup jobs are replicated or archived to the cloud, is there a preferred frequency for transfer (e.g., immediately, daily batch, weekly archive window), and is there a defined bandwidth cap or transfer window for these operations?

Answer: Daily batch. No bandwidth cap.

Responses to RFI's will be provided via addenda posted on the district's website at www.rowlandschools.org

The vendor must check the district's website for any addenda before submitting their proposal.

Rosana McLeod

Interim Assistant Superintendent