

Utah Interactive
68 South Main, Suite 200
Salt Lake City, Utah 84101

July 12, 2004

Greg Sheehan
State of Utah, DNR, Department of Wildlife Resources
1597 West North Temple, Suite 2110
Salt Lake City, Utah 84114

Dear Greg,

As you have indicated, Department of Wildlife Resources is interested in developing a reliable and redundant environment for the Agent Hunting and Fishing database, so you may better serve your customers. We are proposing a two-phased approach to achieve a higher level of service for your customers quicker. The corresponding outlines, by phase, the scope of work requested, proposed timeline, and associated cost.

PHASE I - REDUNDANT DATABASE IN COMMERCIAL HOSTING ENVIRONMENT

SCOPE OF WORK

Migrate DWR database to ViaWest commercial environment in Denver. UI has SLA with ViaWest for 100% up time for "power, ping and pipe". Back-up data through hardware replicate process for redundancy of the data -- Data on primary server is immediately written to secondary server; If the primary is unavailable, then the secondary will automatically take over. DWR will own hardware and software. UI can assist with purchase of hardware and invoice DWR, if they wish. DWR will administer the database. UI service provided: server hosting in commercial environment, server maintenance, manage hardware replication, and sever backup, monitoring, and notification.

TASKS TO COMPLETE & TIMELINE (TIMEFRAME TO COMPLETE/ PROPOSED COMPLETION DATE)

- Sign service level agreements (July 23)
- Purchase hardware & software (2 weeks/July 30)
- Set-up environment; hardware, software, import test data (2 weeks/Aug 13)
- Test new environment and replication process (2 weeks/Aug 27)
- Approve (Aug 27)
- Set change-over date and time – Note: application will be down (Aug 27)
- Export data and change-over to new environment (Aug 31)

COST

Equipment	Qty	Cost per Unit	Total Cost
DB Server; Dell PowerEdge 2650,2.4GHz/512K Cache/533MHz FSB Xeon	2	\$6,302	\$12,604
Recovery Manager (RMAN) Oracle Back-up server; Dell PowerEdge 1750,2.8GHz/512K Cache Xeon, 533MHz Front Side Bus	1	\$5,458	\$5,458
Oracle Regular Standard Addition License	1	\$28,000	\$28,000
Hosting – recurring monthly			\$1,500/month

PHASE II – REDUNDANT ENVIRONMENT

SCOPE OF WORK

Add redundancy to environment by replicating and synchronize data to ITS hosted environment. Complete similar migration as phase I, to move to phase II redundancy.

TASKS TO COMPLETE

- Purchase hardware & software
- Set-up environment; hardware, software, import test data
- Test new environment replication and synchronization
- Approve
- Set change over date
- Export data and change over to dual environment

COST

Equipment	Qty	Cost per Unit	Total
DB Server; Dell PowerEdge 2650,2.4GHz/512K Cache/533MHz FSB Xeon	2	\$6,302	\$12,604
Recovery Manager (RMAN) Oracle Back-up server; Dell PowerEdge 1750,2.8GHz/512K Cache Xeon, 533MHz Front Side Bus	1	\$5,458	\$5,458
Oracle Enterprise License	1	\$106,000	\$106,000
Hosting (includes phase I) – recurring monthly			\$2,500/month

Upon agreement of the proposal, UI will provide documentation for signature; a work order and Service Level Agreement, standard contractual agreements established by the State of Utah, under Utah Interactive's statewide contract (PD1068).

Please contact me if you have any questions. We look forward to the opportunity to work with you, again.

Sincerely,

Rachel Houck

Cc: Greg Evans, DWR
Kirk Poulsen, DWR
Steve Harward, DWR
Kenny Johnson, DWR
Amy Sawyer, UI
Lin Salisbury, UI