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ATTACHMENT

Contract Deliverable CD0002
September 2013

ANNUAL FORECAST OF SERVICES AND INFRASTRUCTURE FOR FISCAL YEAR 2014, REV. 1

Consisting of 23 pages,
including this cover page

HANFORD MISSION SUPPORT CONTRACT

Annual Forecast of Services and Infrastructure for Fiscal Year 2014

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TABLES

TERMS

AEA	*Atomic Energy Act of 1954*
ATL	Advanced Technologies and Laboratories
BNI	Bechtel National Inc.
CERCLA	*Comprehensive Environmental Response, Compensation, and Liability Act of 1980*
CHPRC	CH2M HILL Plateau Remediation Company
CIB	Contractor Interface Board
D&D	Decontamination and Decommissioning
DOE	U.S. Department of Energy
FY	fiscal year
IT	Information Technology
J.3 Matrix	MSC, Section J.3, "Hanford Site Services and Interface Requirements Matrix"
MSA	Mission Support Alliance, LLC
MSC	Mission Support Contract
OHC	other Hanford Site contractor
PBS	Project Baseline Summary
PMB	Performance Measurement Baseline
PNNL	Pacific Northwest National Laboratory
RCRA	*Resource Conservation and Recovery Act of 1976*
UBS	Usage-Based Service
WCH	Washington Closure Hanford
WRPS	Washington River Protection Solutions LLC
WSCF	Waste Sampling Characterization Facility
WTP	Waste Treatment Plant

1.0 FY 2014 ANNUAL FORECAST OF SERVICES OVERVIEW

Overall, the fiscal year (FY) 2014 annual forecast of services for usage-based services that Mission Support Alliance, LLC (MSA), provides to all the Hanford Site contractors is expected to decrease by 3-percent, from $146.1M in FY 2013 to $141.3M in FY 2014. The projected usage-based services changes for FY 2014, by contractor, are as follows.

- CH2MHILL Plateau Remediation Company (CHPRC) is projecting a 2-percent reduction in use of MSA services.
- Washington River Protection Solutions LLC (WRPS) anticipates increasing its use of MSA services by 2 percent as a result of increased activities to support tank waste retrieval.
- Washington Closure Hanford (WCH) estimates a 26-percent reduction in MSA services.
- MSA estimates a 7-percent reduction in the use of MSA services.
- Miscellaneous OHCs, which includes Bechtel National Inc. (BNI), Pacific Northwest National Laboratory (PNNL), and Advanced Technologies and Laboratories (ATL), estimate no significant change in MSA services.
- The FY 2013 actual costs in this report reflect the spending reductions that were the result of enacting across-the-board federal spending cuts associated with sequestration.

The FY 2014 forecast represented in this report is based on OHC input to MSA as of August 1, 2013. All of the Site contractors continue to work through new and changing budget guidance from their U.S. Department of Energy (DOE) customers and all have indicated that their FY 2014 usage-based services forecast will mostly likely change from the levels stated in this report. MSA will continue to work with the OHCs throughout the rest of FY 2013 to optimize MSA's alignment of resources to the OHCs' FY 2014 needs. Detailed analysis of each Contractor's change in usage-based service needs from FY 2013 to FY 2014 is provided in Section 4.0.

In addition to the OHCs' usage-based forecasts for FY 2014, this report provides MSA and OHCs' best forecast assumptions for the major infrastructure systems of electrical distribution, water systems volume, sewer systems volume, and road system utilization.

2.0 PURPOSE

In accordance with the *Mission Support Contract* (MSC), Section C.1.3, "Scope Summary," MSA has prepared the *Annual Forecast of Services and Infrastructure for FY 2014*. The Annual Forecast is a key planning tool that MSA uses in right-sizing staffing and service levels. The Annual Forecast provides the basis for formulating MSA's usage-based service (UBS) rates. The following major usage-based services are forecast in this report:

- Crane and Rigging
- Facility Services
- Training
- Analytical Services
- Fleet Services

- Motor Carriers Services
- Information Technology (IT) Services
- Radiological Site Services, Calibration and Dosimetry
- Other miscellaneous services.

The usage-based forecasts in this report are used to develop MSA's FY 2014 usage-based service levels and rates and align MSA resources to OHC mission needs. Throughout development of the Annual Forecast, MSA worked closely with the OHCs to obtain their best estimate of their Sitewide infrastructure and support service needs for FY 2014. The purpose of the Annual Forecast is as follows:

- Allow MSA to plan for increasing or decreasing resources on an annual basis to meet the Site contractor's changing needs and priorities.
- Develop usage-based service rates that reflect the OHCs' forecast.

3.0 SUMMARY OF FORECAST OF USAGE-BASED SERVICES

Overall, a cumulative 3-percent reduction in MSA usage-based services from FY 2013 to FY 2014 is forecast by the OHCs, as shown in Figure 1. Forecasts by MSA service areas for FY 2014 are shown in Figure 2.

CHPRC is forecasting a 2-percent reduction in the use of MSA services from FY 2013 to FY 2014, which translates to a monetary decrease from $57.0M to $56.1M. WRPS forecasts growth of 2 percent in usage-based services from $34.3M to $35.1M, which is consistent with their budget expectations and future tank farm milestones. WCH projects a 26-percent reduction in the use of MSA services in FY 2014, from $7.9M in FY 2013 to $5.9M in FY 2014, as a result of its base contract scope winding down. MSA projects a 7-percent reduction in the use of MSA services in FY 2014, from $37.9M in FY 2013 to $35.3M in FY 2014, which is consistent with the FY 2014 Integrated Priority List (IPL) guidance provided by DOE. The miscellaneous OHCs are forecasting no significant change in the use of MSA services from FY 2013 to FY 2014. The by-contractor summary forecast is provided in Table 1. The forecast table assumes OHC-submitted forecast information to MSA as of August 12, 2013. OHCs have indicated that, based on ongoing DOE budget discussions, these projections could change significantly by September 30, 2014.

The usage-based services that MSA plans to provide to the Hanford Site contractors in FY 2014 are provided in Appendix A. A description of these services can be found in MSC, Section J.3, "Hanford Site Services and Interface Requirements Matrix" (J.3 Matrix).

Table 1. By-Contractor Forecast Comparison from FY 2013 to FY 2014.

Contractor	FY 2013 ($M)	FY 2014 ($M)	Percent Change
CHPRC	57.0	56.1	-2
WRPS	34.3	35.1	2
WCH	7.9	5.9	-26
MSA	37.9	35.3	-7
Miscellaneous OHCs	8.9	8.9	0
TOTAL	146.1	141.3	-3

3.1 CHPRC – SUMMARY ANALYSIS OF CHANGE FROM FY 2013 TO FY 2014

CHPRC anticipates that decontamination and decommissioning (D&D) work will continue operating at minimum safe operations for FY 2014. D&D activities at PFP are expected to continue operating at the FY 2013 funding levels. The only construction project CHPRC anticipates in FY 2014 is the restart of KW Annex construction. They expect the Sludge Treatment Project to continue, but that work does not require a significant amount of MSA resources.

CHPRC's forecast demand for MSA services was provided in June FY 2013 and correlates to their project work scope assumptions, and their FY 2014 baseline budget at the time; a 2-percent reduction from FY 2013.

3.2 WRPS – SUMMARY ANALYSIS OF CHANGE FROM FY 2013 TO FY 2014

WRPS's forecast demand for MSA services correlates to their expectation that their work scope and Tank Farm Project funding will increase as indicated in the FY 2014 President's Request. Increases from FY 2013 are found primarily in Waste Sampling and Characterization Facility (WSCF) and Motor Carrier services. The largest increases are for beryllium sampling and analysis and teamster support to the Tank Farms, Base Operations and the 222-S Laboratories. Overall, WRPS is forecasting a 2-percent increase in the use of MSA services from FY 2013 to FY 2014, which translates to a monetary increase from $34.3M to $35.1M.

3.3 WCH – SUMMARY ANALYSIS OF CHANGE FROM FY 2013 TO FY 2014

WCH anticipates a steady reduction in the amount of services needed from MSA from FY 2013 through FY 2014. WCH forecast guidance was that spending levels in FY 2014 would be close to the FY 2013 actual costs for the first 6 months, then spending is expected to decrease 50 percent for the remainder of FY 2014. WCH expects to have completed all heavy-haul work from the 100 Areas B/C, D, and H by the end of FY 2014. MSA will work closely with WCH to ensure that, as WCH reduces their internal resources, MSA is prepared to provide services and infrastructure as needed. Overall, WCH is forecasting a 26-percent decrease in the use of MSA services from FY 2013 to FY 2014, which translates to a monetary decrease from $7.9M to $5.9M.

3.4 MSA – SUMMARY ANALYSIS OF CHANGE FROM FY 2013 TO FY 2014

MSA anticipates an overall decreased demand for its own services by 7-percent based on IPL guidance provided by DOE. Reductions in MSA support because of Sequestration related impacts in FY 2013 will continue through FY 2014. MSA support will align with forecasts provided by the OHCs for MSA services in FY 2014.

3.5 MISCELLANEOUS OHCS – SUMMARY ANALYSIS OF CHANGE FROM FY 2013 TO FY 2014

Currently there is no forecast of MSA usage-based services for Waste Treatment Plant (WTP) operations. WRPS is working with BNI to develop the WTP logistics diagram, which will be a key source of information to use in forecasting the level of services and logistics for WTP operations in future years. Overall, the Miscellaneous OHCs (i.e., BNI, PNNL, and ATL) are forecasting no significant change in the use of MSA services from FY 2013 to FY 2014.

Figure 1. FY 2014 Total Usage-Based Services Forecast by Contractor.

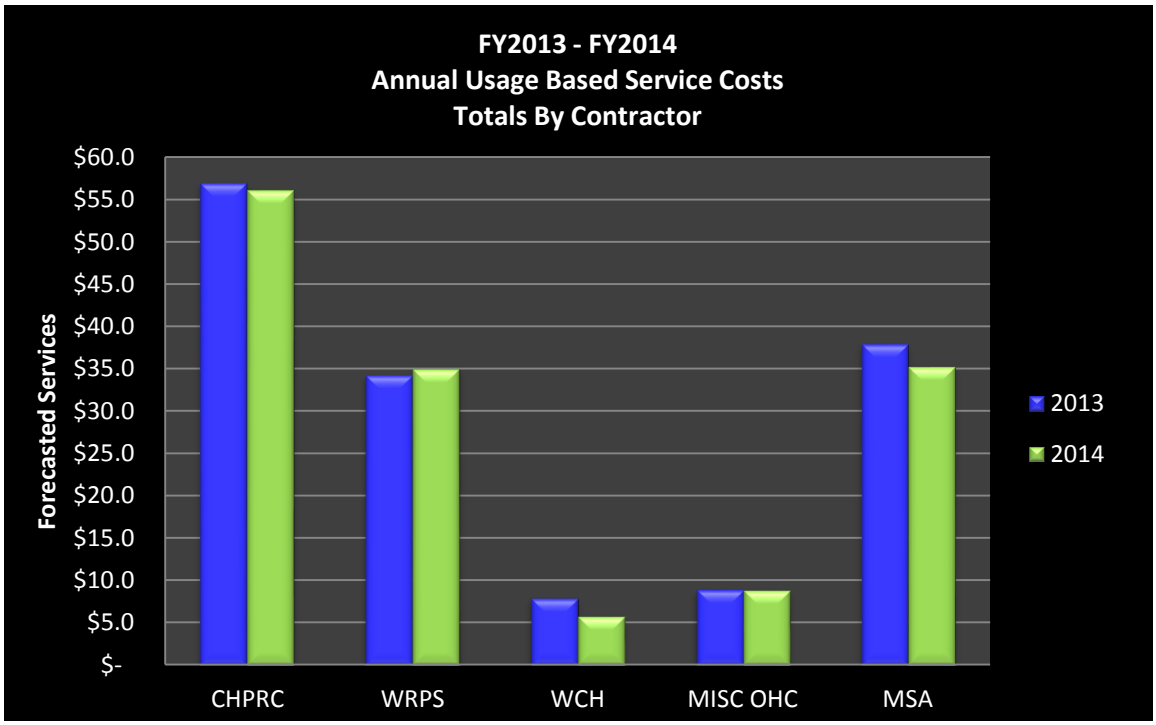
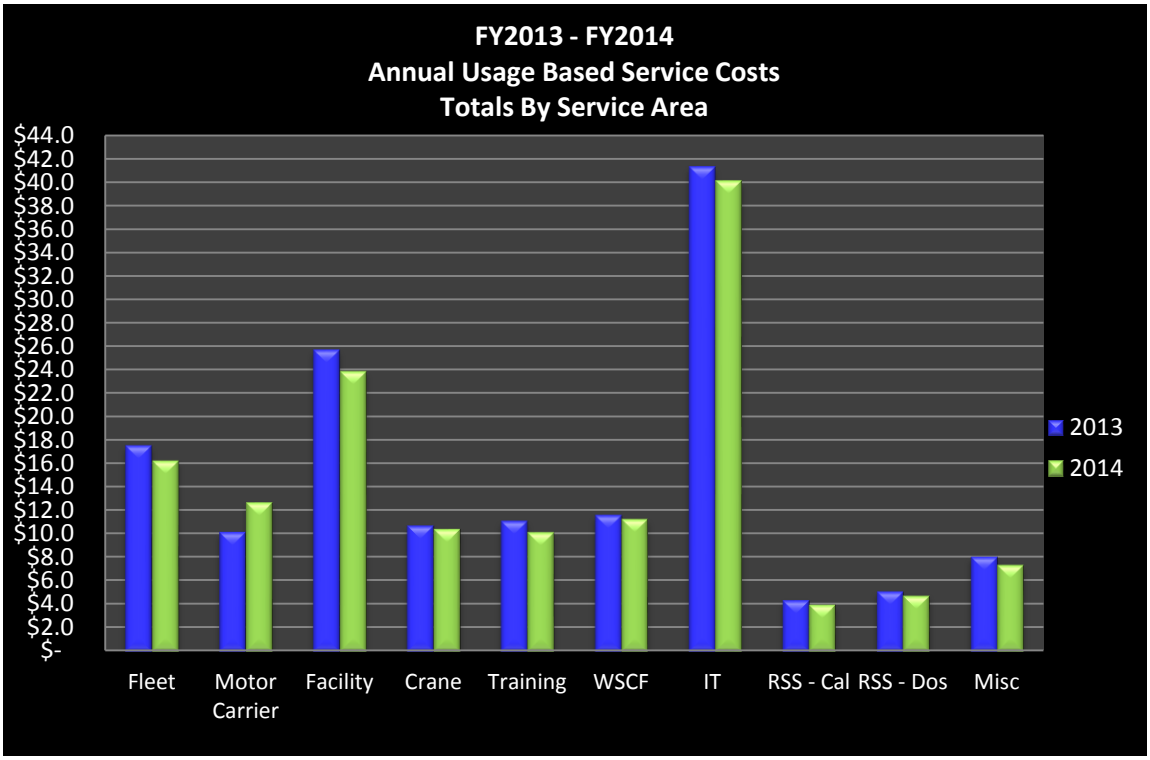


Figure 2. FY 2014 Annual Forecast by MSA Service Area.



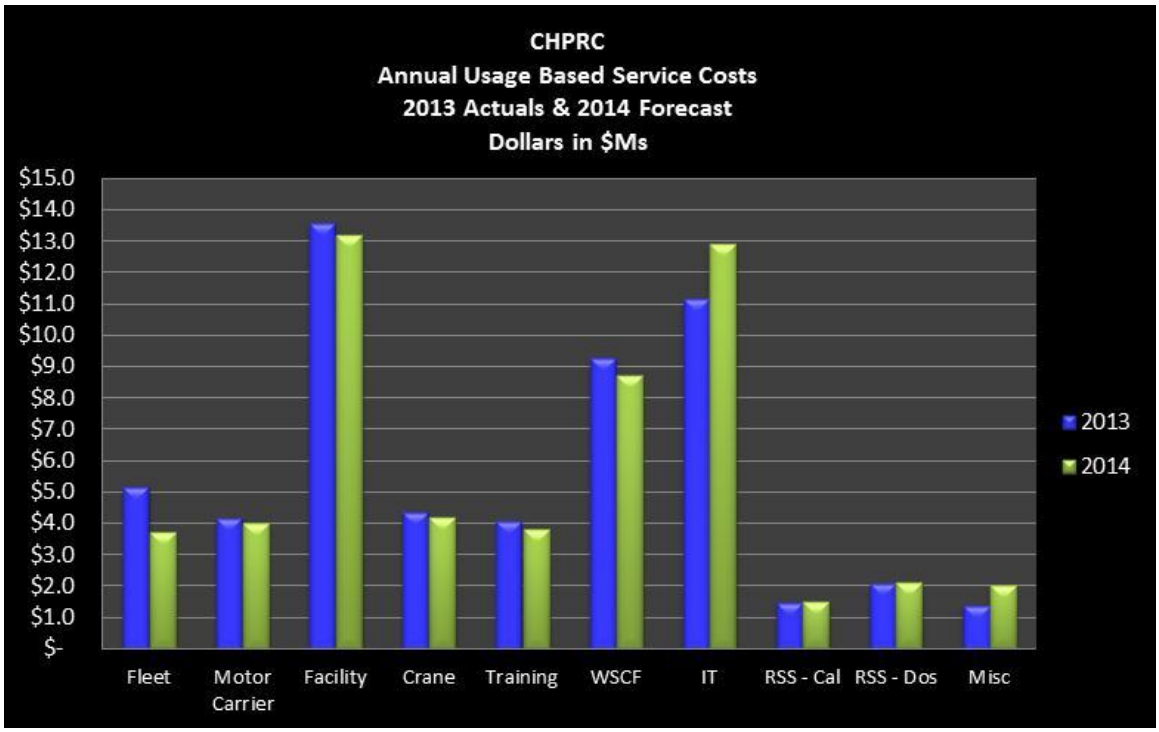
3.6 FY 2014 FORECAST OF USAGE-BASED SERVICES – CHPRC

Assumptions for CHPRC's usage-based services, as shown in Figure 3, are as follows:

- The FY 2014 preliminary volume projections were provided to MSA on June 10, 2013, and were based on the Performance Measurement Baseline (PMB) planning file at that time. An update to the WSCF volume projections was provided to MSA on June 27, 2013.
- The FY 2014 funding target is $391M including carryover funds; a 2-percent reduction from FY 2013.
- Revised priorities received in the final FY 2014 Baseline Update Guidance may result in changes to the preliminary volume projections.
- The FY 2014 PMB submittal is due to the DOE, Richland Operations Office, on September 10, 2013.
- The KW Annex construction project was initiated in FY 2012 and suspended in FY 2013 due to sequestration. Planning to support the preliminary volume projections included the restart of the KW Annex construction project in FY 2014. No other new construction starts are planned in FY 2014.
- MSA has not provided FY 2014 rates; the preliminary volume projections used FY 2013 rates with an escalation factor of 2.6 percent.
- PBS RL-0011, Plutonium Finishing Plant, has no demolition activities planned.

- PBS RL-0012, Sludge Treatment Project, will continue, but has very few MSA resource needs.
- PBSs RL-0013, RL-0040, RL-0041, and RL-0042 will be in a minimum safe configuration with minimal base operations activities.
- PBS RL-0030, S&G –Operate Pump-and-Treat Systems, including the new 200 West Area system) and conduct routine groundwater sampling, sample analyses, and data management in support of the *Resource Conservation and Recovery Act of 1976* (RCRA), *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA), and *Atomic Energy Act of 1954* (AEA) monitoring obligations.
  - MSA will provide timely and procedurally compliant support as request by the PRC for operation of the pump and treat systems
  - IT
  - Minor changes to assumptions/planning methodology for network services
  - Addition of the time verification system development
- Fleet: Values were generated using average cost per equipment type provided by MSA, which is different from the previous estimate, which was based on actual cost review and update.

Figure 3. FY 2013 – FY 2014 CHPRC Usage-Based Services Forecast.

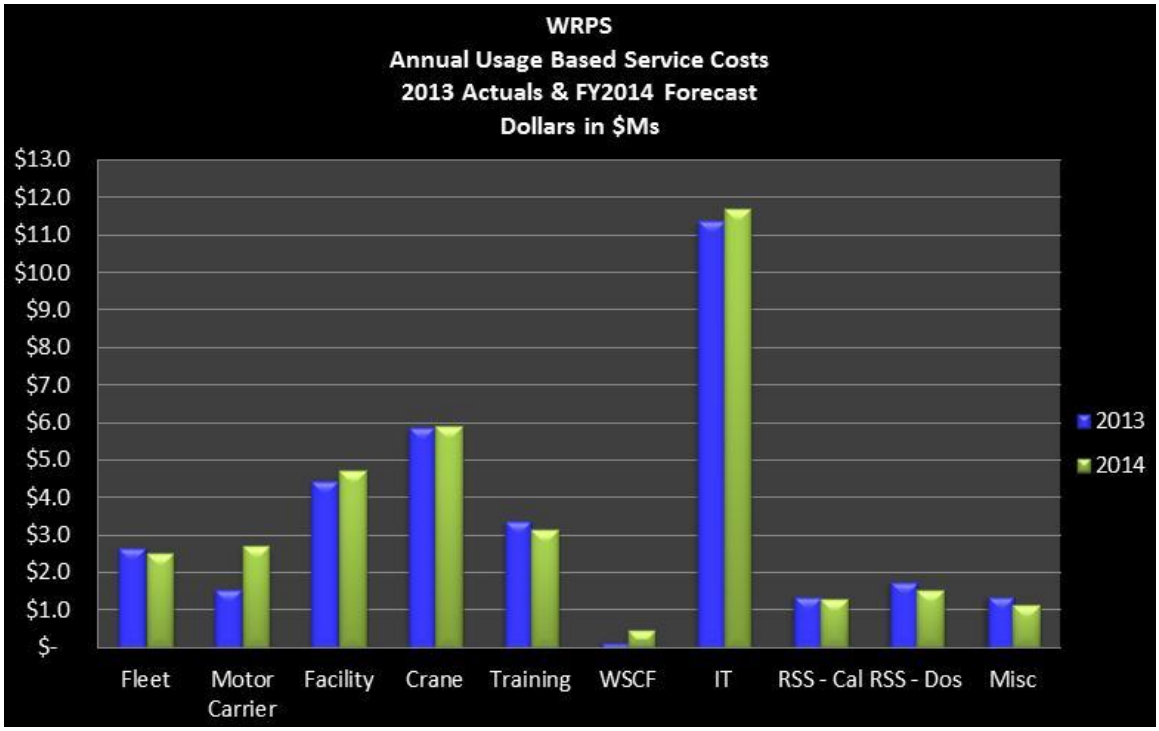


3.7 FY 2014 FORECAST OF USAGE-BASED SERVICES – WRPS

Assumptions for WRPS's usage-based services, as shown in Figure 4, are as follows:

- FY 2014 forecast is based on the FY 2014 President's budget and reflects contract reconciliation numbers that currently are in review with ORP. Multiple funding scenarios for FY 2014 are still under discussion.
- FY 2014 forecast reflects C Tank Farm retrieval activities as a major priority and four 242-A Evaporator campaigns. No evaporator campaigns were conducted in FY 2013.
- The increase in WSCF sample analysis is based on the assumption of a DOE-approved request for equitable adjustment and the Beryllium Project, Phase II, is approved.
- The increase in motor carrier support is primarily due to increases in teamster support needs for the AZ and AN Farms, Base Operations Central, support and 222-S Laboratory room renovations.
- The increase in IT systems spending is based on new hiring; these costs reflect the IT and telecommunications costs associated with the new hires.

Figure 4. FY 2013 – FY 2014 WRPS Usage-Based Services Forecast.



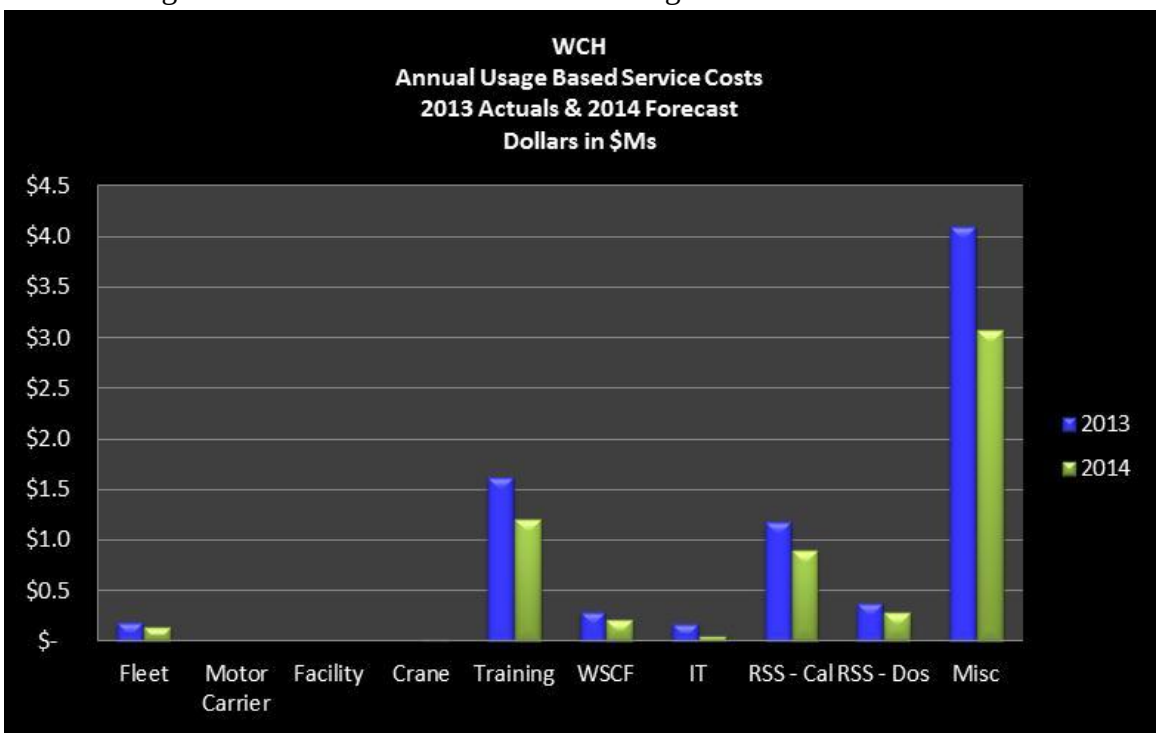
3.8 FY 2014 FORECAST OF SERVICES – WCH

WCH provided the following assumptions for their FY 2014 usage-based services, as shown in Figure 5.

- WCH is not a major user of MSA's usage-based services and typically uses MSA through work orders as needed, which is captured in the miscellaneous service area.

- Historically, a significant portion of the usage-based services that MSA has provided to WCH has been for training. MSA also provides WCH with Fleet, Motor Carrier, Facility, Crane and Rigging, and Analytical Laboratory (WSCF) services, but at a significantly lower level.
- The majority of the miscellaneous costs for WCH consist of work orders for construction labor. The major construction labor services that MSA provides to WCH include the following:
  - Electrical utilities support
  - Guzzler support
  - Fire systems maintenance support
  - Hanford Fire Department support
  - Dosimetry support.

Figure 5. FY 2013 – FY 2014 WCH Usage-Based Services Forecast.



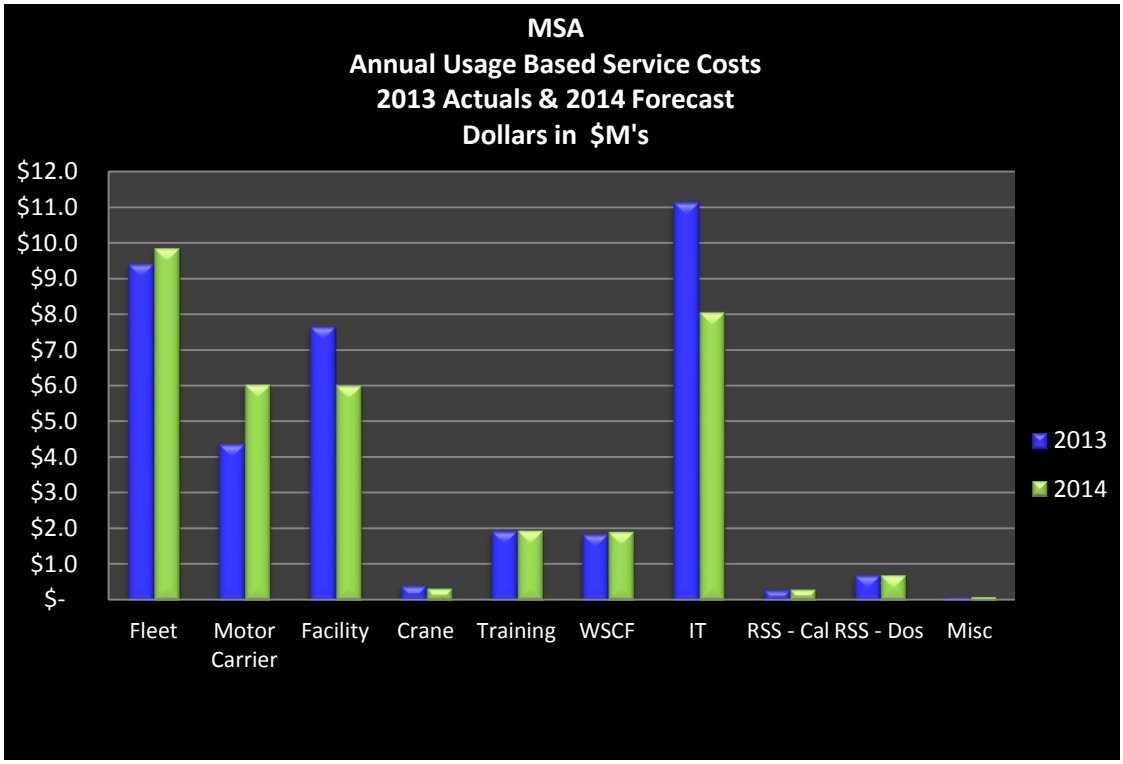
3.9 FY 2014 FORECAST OF SERVICES – MSA

Assumptions for MSA's usage-based services, as shown in Figure 6, are as follows.

- FY 2014 forecast is based on MSA IPL guidance from RL as of 9/12/13.
- FY 2014 forecast is also based on OHC forecasts as of 7/31/13, including CHPRC, WRPS, PNNL, and WCH.
- The 38% increase projected in Motor Carrier services reflects hiring of additional Teamsters, many of which were laid off in FY 2013 as a result of Sequestration. In addition, MSA's enhanced Maintenance Program will see increases in roads and biological controls services.

- The 22% decrease anticipated in Facilities Maintenance reflects the annualized FY 2013 reduced funding level, which was due to Sequestration. Facilities Maintenance and Janitorial services will continue to operate at the reduced FY 2013 levels.
- IT reductions are a result of reduced FY 2014 procurements for Thin Client hardware, as compared to the FY 2013 procurement levels.

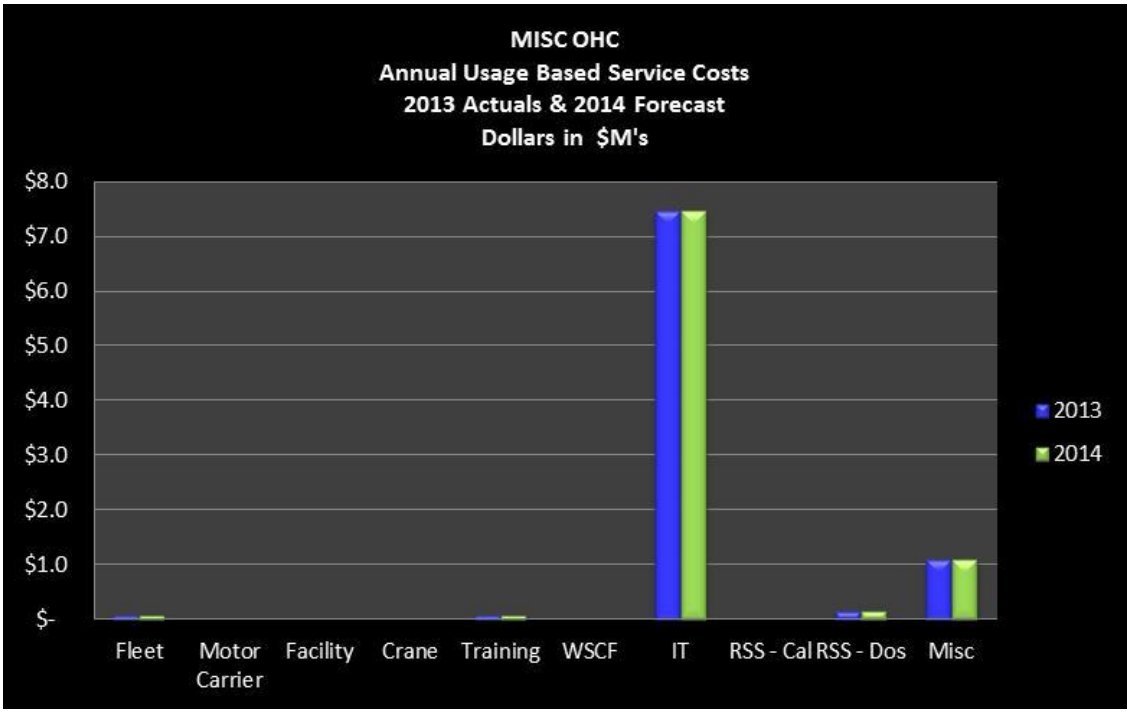
Figure 6. FY 2013 – FY 2014 MSA Usage-Based Services Forecast.



3.10 FY 2014 FORECAST OF SERVICES – MISCELLANEOUS OHCS

The balance of the service-level cost is captured in the contractor category of Miscellaneous OHCs. The majority of MSA services provided to the Miscellaneous OHCs is construction labor provided through work orders; these costs are included in the miscellaneous service area. These costs are expected to remain relatively the same from FY 2013 to FY 2014, as shown in Figure 7.

Figure 7. FY 2013 – FY 2014 Miscellaneous OHC Usage-Based Services Forecast.

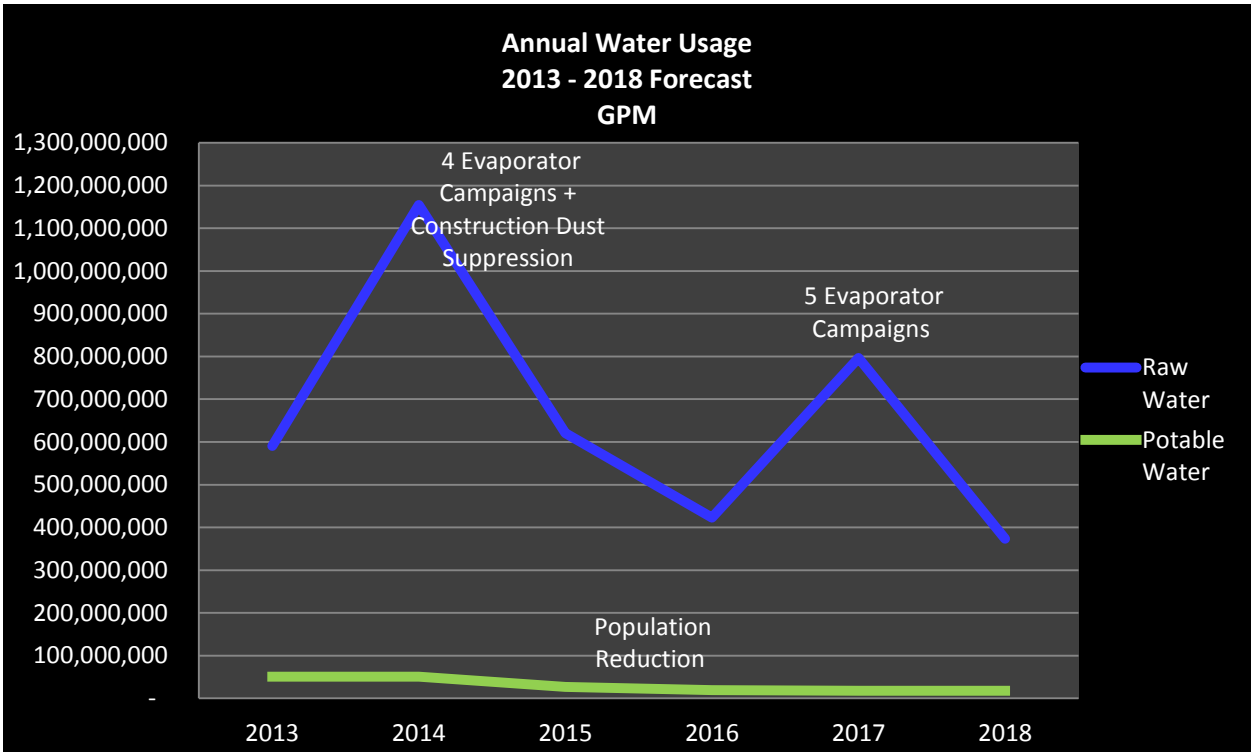


4.0 FY2013 – FY2014 FORECAST OF INFRUSTRUCTURE SYSTEMS USAGE

4.1 WATER FORECAST

MSA supplies water to the Hanford Site by pumping it directly from the Columbia River as export water. Most of the export water is then pumped to the Central Plateau where it is used as raw water or converted to potable water, which is mostly used for sewer water and facility operations requirements; both supplies are used for fire suppression. MSA supplies export water to CHPRC in the 100K Area, which feeds CHPRC's water plant to supply water to the 100 K Area (HNF-5828, *Hanford Site Water System Master Plan*). MSA's largest water users are the 100, 200 East, and 200 West Areas populations, the 242-AW Evaporator Facility, the WTP Facility, and dust suppression at the tank farms. The Site's population uses the majority of the potable water supply, which was calculated by estimating that office workers use 15 gallons of water per day and non-office workers use 30 gallons per day. Site population assumptions were based the FY 2013 Hanford population projections. The largest user of Hanford Site water is the 242-AW Evaporator Facility, which is operated by WRPS. The amount of water used in an evaporator campaign was calculated by using the water demand requirements found in HNF-4493, *Interface Control Document between the Washington River Protection Solutions LLC (WRPS) and Mission Support Alliance, LLC (MSA) Water Utilities Distribution,* as well as the forecast information provided by WRPS for the number of campaigns per year and the number of days estimated for each campaign, as shown in Figure 7. The demand for water decreases in the out-years due to decreased Site construction (dust suppression) and a decreased Site population.

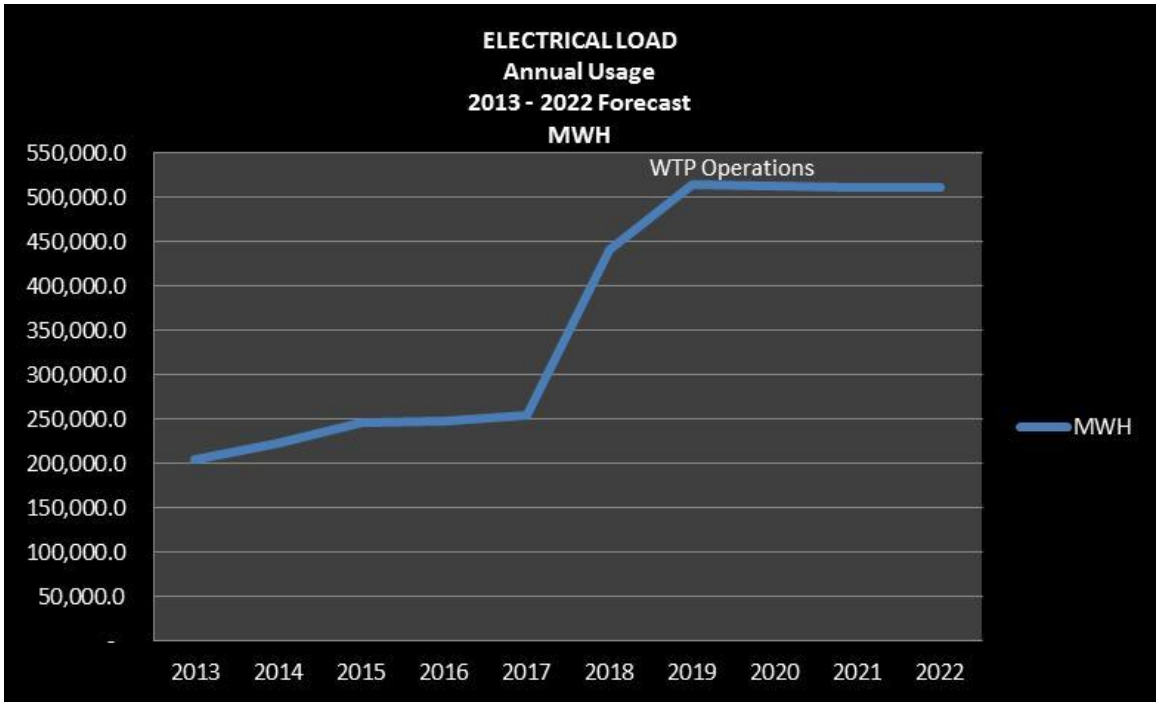
Figure 8. FY 2013 – FY 2014 Water Forecast.



4.2 ELECTRICAL FORECAST

The forecast for the Site's annual electrical energy use, as shown in Figure 8, was taken from MSA-1203543, *Annual Electrical Load Forecasts,* prepared by MSA Electrical Utilities. The electrical forecast includes new electrical load projections for the CHPRC pump-and-treat facilities at the 200 West, 100-K, 100-D, and 100-H Areas, CHPRC D&D of the Plutonium Finishing Plant, CHPRC K Basin sludge treatment (105-KW Annex) and the eventual closure of K Basin. It also includes the WRPS early stages of waste feed delivery; BNI WTP construction, testing, and initial operation; and the transfer of the 400 Area electrical services to another utility.

Figure 9. FY 2013 – FY 2022 Electrical Forecast.



4.3 HEAVY HAUL ROADS FORECAST

The total road lane miles that MSA maintains will basically stay the same for FY 2014. The most significant impact to maintaining Hanford Site roads is the heavy-equipment traffic on haul roads. According to the MSA Traffic Department, 80 percent of road wear is caused by heavy-equipment traffic and 20 percent by general employee traffic. Even large fluctuations in the number of Site employees do not have a significant impact on road conditions. WCH is currently one of the largest contributors to the heavy equipment traffic and drives the need to maintain the current heavy-haul routes. WCH forecasts that they will complete the majority of the heavy hauls on the Hanford Site at the B/C, D and H areas by the end of FY 2015, as shown in Figure 10.

Figure 10. FY 2014 – FY 2020 Heavy Haul Road Forecast.

Hanford Site Heavy Haul Roads			
YEARS	ROAD SECTION	AREA	MILES
2014-2015	Route 1, Route 2N to Route 4N	600	5
2014-2015	Route 1, Route 4N to K Avenue	600	2
2014-2015	Route 2N, Route 1 to Route 4N	600	6
2014-2015	Route 3, Route 4S to Route 3N	600	2
2014-2015	Route 3N, Route 11A to Route 3	600	2
2014-2015	Route 4N, Route 11A to Route 2N	600	7
2014-2015	Route 4S, Cypress Street (300A) to Route 11A	600	22
2014-2015	Route 11A, Route 4S/4N to Route 3N	600	2
2014-2015	D Avenue	600	1
2014-2015	Federal Avenue, Route 1 to Route 2N	600	3
2014-2015	H Avenue	600	2
2014-2015	K Avenue	600	1
2014-2015	N Avenue	600	1
2014-2015	ERDF Avenue, Route 3 to 13th Street	600	1
2014-2015	Beloit Avenue, 13th Street to 19th Street	200W	1
2014-2015	13th Street, Beloit Avenue to ERDF	200W	1
2014-2015	19th Street, Camden Avenue to Beloit Avenue	200W	1
	Total, Years 2013-2015		60
2016-2020	Route 1, Route 4N to K Avenue	600	2
2016-2020	Route 3, Route 4S to Route 3N	600	2
2016-2020	Route 3N, Route 11A to Route 3	600	2
2016-2020	Route 4N, Route 11A to Route 1	600	4
2016-2020	Route 4S, Milepost 8 (Army Loop Road) to Route 11A	600	8
2016-2020	Route 11A, Route 4S/4N to Route 3N	600	2
2016-2020	Army Loop Road, Beloit Avenue to Route 4S	600	9
2016-2020	K Avenue	600	1
2016-2020	ERDF Avenue, Route 3 to 13th Street	600	1
2016-2020	Beloit Avenue, 13th Street to 20th Street	200W	1
2016-2020	Beloit Avenue, SR240 to 10th Street	600	2
2016-2020	Beloit Avenue, SR240 to C Area	600	1
2016-2020	Beloit Avenue, 10th Street to 13th Street	200W	1
2016-2020	13th Street, Beloit Avenue to ERDF	200W	1
2016-2020	19th Street, Camden Avenue to Beloit Avenue	200W	1
2016-2020	20th Street, Beloit Avenue to Route 3N	200W	1
2016-2020	4th Street, Baltimore Avenue to Route 4S	200E	1
2016-2020	Atlanta Avenue, 4th Street to Baltimore Avenue	200E	1
2016-2020	Baltimore Avenue, 4th Street to Atlanta Avenue	200E	1
	Total, Years 2016-2020		42
Note:			
1. Information provided by the MSA Traffic Engineer based on the best information available on August 12, 2013			
2. 2016-2020 routes assumes start of B Plant remediation and placement of soil cap on the Hanford Landfill.			

5.0 COLLABORATION WITH THE OTHER HANFORD CONTRACTORS TO DEVELOP AN INTEGRATED ANNUAL FORECAST OF SERVICES REPORT

Each year, MSA works closely with the OHCs in developing the Annual Forecast. The Annual Forecast development timeline, which demonstrates the frequent involvement of the OHCs, is described in Table 2. This iterative process with the OHCs involves ongoing communication between Interface Management, Project Controls, and line organizations from MSA, CHPRC, and WRPS. Once each company submits its final forecast to MSA, MSA develops the final forecast and rates that the OHCs use to conduct their final pricing. MSA then briefs the Contractor Interface Board (CIB) prior to publishing the new rates on MSA's website. This process ensures thorough inter-company communication at every step in the process.

Table 2. General Annual Forecast of Services Development Timeline.*

Rate Development Schedule	Schedule
➢ Initiate discussions with OHCs on next FY UBS forecast	March
➢ Provide OHCs with mid-year UBS actual costs/units	April
➢ OHCs submit preliminary next fiscal year forecasts to MSA	May/June
➢ MSA develops preliminary FY 2014 planning rates (labor)	June/Early-July
➢ MSA communicates preliminary UBS rates to OHCs	June/Early July
➢ OHCs provide final FY 2014 UBS forecasts to MSA	July/August
➢ MSA develops final next fiscal year forecast & rates	July/August
➢ MSA briefs the Contractor Interface Board	July/August
➢ Publish final FY 2014 MSA UBS rates	August/September

*These timelines are dependent on timing of DOE budget guidance to OHCs.
FY = fiscal year.
MSA = Mission Support Alliance, LLC.
OHC = other Hanford Site contractor.
UBS = Usage-Based Service

MSA, CHPRC, WRPS, and WCH are members of the Contractor Interface Board, as described in MSC-CTR-00016, *Hanford Site Contractor Interface Board Charter* (http://tiny.cc/i10yhw). On a quarterly basis, the CIB will be briefed on the UBS financial performance by service area. The CIB will discuss emergent, usage-based service issues and elevate major issues to the Hanford Contract Alignment Board if the issue cannot be resolved by the CIB. MSA rates for FY 2014 can be found on the MSA Finance webpage at http://msc.rl.gov/rapidweb/Finance/index.cfm?PageNum=55.

6.0 REFERENCES

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MOA-00002, 2011, *Memorandum of Agreement for the Performance and Payment of Services between Mission Support Alliance, LLC, and CH2M HILL Plateau Remediation Company*, Mission Support Alliance, LLC, Richland, Washington.

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Resource Conservation and Recovery Act of 1976, 42 USC 6901, et seq.

APPENDIX A

FY 2013 – FY 2014 USAGE-BASED SERVICES FORECAST

APPENDIX A
FY 2013 – FY 2014 USAGE-BASED SERVICES FORECAST

	2013 Actuals			2014 Forecast					
	FYTD June	Estimate 4th QTR	2013 Total	1st QTR	2nd QTR	3rd QTR	4th QTR	2014 Total	% Delta
CHPRC									
Fleet	$ 3.5	$ 1.7	$ 5.2	$ 0.9	$ 0.9	$ 0.9	$ 0.9	$ 3.7	-29%
Motor Carrier	3.1	1.1	4.2	1.0	1.0	1.0	1.0	4.0	-5%
Facility	9.9	3.7	13.6	3.3	3.3	3.3	3.3	13.2	-3%
Crane	4.1	0.3	4.4	1.1	1.1	1.1	1.1	4.2	-5%
Training	2.8	1.3	4.1	1.0	1.0	1.0	1.0	3.8	-7%
WSCF	5.9	3.4	9.3	2.2	2.2	2.2	2.2	8.7	-6%
IT	7.8	3.4	11.2	3.2	3.2	3.2	3.2	12.9	15%
RSS - Cal	1.2	0.3	1.5	0.4	0.4	0.4	0.4	1.5	0%
RSS - Dos	1.5	0.6	2.1	0.4	0.4	0.4	0.4	2.1	0%
Misc	1.5	(0.1)	1.4	0.5	0.5	0.5	0.5	2.0	43%
CHPRC Totals	**$ 41.3**	**$ 15.7**	**$ 57.0**	**$ 13.9**	**$ 13.9**	**$ 13.9**	**$ 13.9**	**$ 56.1**	-2%
WRPS									
Fleet	$ 1.9	$ 0.8	$ 2.7	$ 0.5	$ 0.6	$ 0.7	$ 0.7	$ 2.5	-7%
Motor Carrier	1.2	0.4	1.6	0.6	0.6	0.7	0.8	2.7	69%
Facility	2.2	2.3	4.5	0.8	1.4	1.4	1.1	4.7	5%
Crane	4.0	1.9	5.9	0.8	1.4	1.4	2.3	5.9	0%
Training	2.5	0.9	3.4	0.7	0.8	0.8	0.9	3.1	-8%
WSCF	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.5	138%
IT	7.8	3.6	11.4	2.6	2.8	3.0	3.3	11.7	3%
RSS - Cal	1.0	0.4	1.4	0.3	0.3	0.3	0.4	1.3	-7%
RSS - Dos	1.2	0.6	1.8	0.3	0.4	0.4	0.4	1.5	-15%
Misc	1.4	-	1.4	0.3	0.3	0.3	0.3	1.1	-19%
WRPS Totals	**$ 23.3**	**$ 11.0**	**$ 34.3**	**$ 7.0**	**$ 8.6**	**$ 9.1**	**$ 10.3**	**$ 35.1**	2%
WCH									
Fleet	$ 0.1	$ 0.0	$ 0.2	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.1	-25%
Motor Carrier	-	-	-	-	-	-	-	-	0%
Facility	-	-	-	-	-	-	-	-	0%
Crane	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-25%
Training	1.2	0.4	1.6	0.4	0.4	0.2	0.2	1.2	-25%
WSCF	0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.2	-25%
IT	0.1	0.0	0.2	0.0	-	-	-	0.0	-75%
RSS - Cal	0.9	0.3	1.2	0.3	0.3	0.1	0.1	0.9	-25%
RSS - Dos	0.3	0.1	0.4	0.1	0.1	0.0	0.0	0.3	-25%
Misc	3.1	1.0	4.1	1.0	1.0	0.5	0.5	3.1	-25%
WCH Totals	**$ 5.9**	**$ 2.0**	**$ 7.9**	**$ 2.0**	**$ 1.9**	**$ 1.0**	**$ 1.0**	**$ 5.9**	-26%
MISC OHC									
Fleet	$ 0.1	$ 0.0	$ 0.1	$ 0.0	$ 0.0	$ 0.0	$ 0.0	$ 0.1	0%
Motor Carrier	-	-	$ -	-	-	-	-	-	0%
Facility	-	-	$ -	-	-	-	-	-	0%
Crane	0.0	0.0	$ 0.0	0.0	0.0	0.0	0.0	0.0	0%
Training	0.1	0.0	$ 0.1	0.0	0.0	0.0	0.0	0.1	0%
WSCF	-	-	$ -	-	-	-	-	-	0%
IT	5.6	1.9	$ 7.5	1.9	1.9	1.9	1.9	7.5	0%
RSS - Cal	0.0	0.0	$ 0.0	0.0	0.0	0.0	0.0	0.0	0%
RSS - Dos	0.1	0.0	$ 0.2	0.0	0.0	0.0	0.0	0.2	0%
Misc	0.8	0.3	$ 1.1	0.3	0.3	0.3	0.3	1.1	0%
MISC OHC Totals	**$ 6.7**	**$ 2.2**	**$ 8.9**	**$ 2.2**	**$ 2.2**	**$ 2.2**	**$ 2.2**	**$ 8.9**	0%
MSA									
Fleet	$ 7.1	$ 2.4	$ 9.4	$ 2.5	$ 2.5	$ 2.5	$ 2.5	$ 9.9	5%
Motor Carrier	3.3	1.1	4.4	1.5	1.5	1.5	1.5	6.0	38%
Facility	5.7	1.9	7.7	1.5	1.5	1.5	1.5	6.0	-22%
Crane	0.3	0.1	0.4	0.1	0.1	0.1	0.1	0.3	-20%
Training	1.5	0.5	2.0	0.5	0.5	0.5	0.5	2.0	0%
WSCF	1.4	0.5	1.9	0.5	0.5	0.5	0.5	1.9	3%
IT	8.4	2.8	11.1	2.0	2.0	2.0	2.0	8.1	-28%
RSS - Cal	0.2	0.1	0.3	0.1	0.1	0.1	0.1	0.3	4%
RSS - Dos	0.5	0.2	0.7	0.2	0.2	0.2	0.2	0.7	1%
Misc	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	19%
MSA Totals	**$ 28.5**	**$ 9.5**	**$ 37.9**	**$ 8.8**	**$ 8.8**	**$ 8.8**	**$ 8.8**	**$ 35.3**	-7%
CUM									
Fleet	$ 12.7	$ 4.9	$ 17.6	$ 4.0	$ 4.1	$ 4.1	$ 4.1	$ 16.3	-7%
Motor Carrier	7.6	2.6	10.2	3.1	3.1	3.2	3.3	12.7	25%
Facility	17.8	7.9	25.8	5.6	6.2	6.2	6.0	23.9	-7%
Crane	8.4	2.3	10.7	1.9	2.5	2.5	3.4	10.5	-3%
Training	8.0	3.1	11.2	2.6	2.6	2.5	2.6	10.2	-9%
WSCF	7.6	4.0	11.6	2.8	2.8	2.9	2.8	11.3	-3%
IT	29.7	11.7	41.4	9.8	9.9	10.1	10.4	40.2	-3%
RSS - Cal	3.3	1.1	4.4	1.0	1.1	0.9	1.0	4.0	-9%
RSS - Dos	3.6	1.5	5.1	1.0	1.1	1.0	1.1	4.8	-7%
Misc	6.9	1.2	8.1	2.1	2.1	1.6	1.6	7.4	-8%
CUM Totals	**$ 105.7**	**$ 40.4**	**$ 146.1**	**$ 33.9**	**$ 35.5**	**$ 35.0**	**$ 36.3**	**$ 141.3**	-3%

Notes:
1. 2013 FYTD June Actuals were provided by MSA Project Controls.
2. 2013 4th QTR Estimates were calculated by MSA Project Controls by straightlining the FYTD June costs.
3. The CHPRC 2014 quarterly estimates were calculated by straightlining the 2014 annual forecast provided by CHPRC Project Controls.
4. WRPS Project Controls provided their 2014 forecast by quarter.
5. The WCH 2014 forecast, confirmed by WCH management, is based the assumption that they will continue the 2013 spending profile through mid-2014 and then reduce service needs to 50% through the end of 2014.
6. WCH Misc costs consists of Repro, Occupancy, Construction Labor Subcontracts, Materials & ODC's
7. The MISC OHC category includes all other contractors that receive services from MSA besides CHPRC, WRPS & WCH.
8. The MISC OHC 2014 forecast was straightlined based on the assumptions that they will continue the 2013 spending profile through 2014.
9. The IT 2013 Actual costs by contractor were provided by MSA Information Management.
10. The MSA 2014 forecast was provided by MSA Project Controls.
11. MSA Misc costs consists of Courier costs.