

INTEGRATED RESOURCE TIMBER CONTRACT PROSPECTUS

Stewardship Contract Name :	Honi Stewardship Reoffer	Type of Contract :	Premeasured
National Forest :	Ochoco	Ranger District :	Paulina
Bidding Method :	Sealed Bid		
Location to Receive Offers :	Supervisor's Office, Prineville, Oregon		
Date :	02/29/2016	Time :	10:00 AM

1. INTRODUCTION. This prospectus furnishes prospective offerors with information not contained in the published advertisement and is designed to enable offerors to decide whether or not to further investigate this stewardship project. The prospectus is not a legally binding document, but is offered to provide general information about a Stewardship Contract. The prospectus does not include descriptions, estimates, and other data that are contained in the sample contract, unless otherwise stated. In the event that the prospectus contains an error or contradicts the sample contract, the contract governs. Offerors are urged to examine the contract and make their own estimates. Contract 2400-13T will be used. Inspect the contract area and the sample contract before submitting an offer. Obtain the appraisal, other information on the contract and stewardship work items and conditions of offering at Forest Service offices listed above and in the advertisement.

This is a Stewardship End Results Contract authorized by 16 U.S.C. 2104 Note.

2. OFFERING. This is a Sealed Bid Stewardship Contract. Offerors must submit sealed offers on prepared forms they can obtain from Forest Service offices listed above and in the advertisement. The forms include instructions for offering and submission of the required certifications and technical proposals. The term "offer form" in this prospectus is the Bid for Integrated Resource Contract form. Also, the term "offeror" in this prospectus is identified as "offeror" in the Bid for Integrated Resource Contract form. **THE OFFERS WILL NOT BE PUBLICLY OPENED.**

The offeror is required to submit a technical and price proposal and comply with all other provisions stated on the offer form. The proposal should be practical and be prepared simply and economically, providing a straightforward, concise description of the Contractor's ability to meet the requirements of the contract. Upon contract award, this technical proposal will become a binding part of the contract. See Section 21, General for instructions for preparation of technical proposals and evaluation factors for award.

3. LOCATION AND DESCRIPTION OF INTEGRATED RESOURCE TIMBER. Refer to the sample contract and contract area map attached to the sample contract for legal location of contract area, location of payment units, location of cutting units, the acreage of contract area, the cutting unit acreage and location of stewardship work activities.

THE FOLLOWING GENERAL LOCATION, ROUTES OF ACCESS, ACREAGES, AND OTHER SPECIAL LOCATION DATA DO NOT SUPERSEDE THE CONTRACT AREA MAP OR SAMPLE CONTRACT.

Honi Stewardship Reoffer is an Integrated Resource Timber Contract located within the Wolf EIS on the Paulina Ranger District, Ochoco National Forest. To access this project area travel East 61 miles on Highway 308 (Paulina Highway) from Prineville, OR. Turn North onto Beaver Creek Road and travel 5 miles to the FS42 road and FS58 road junction. Travel approximately 4 miles north on FS42 road to access the project area. Project area can also be accessed from the 4260 road off of FS42 road. This stewardship contract includes 1082 acres of commercial thinning of live timber with an estimated volume of 7,195 CCF. Included timber consists of 49% Ponderosa pine, 20% white fir, 18% Douglas-fir and 13% biomass.

4. QUANTITIES AND RATES. The quality, size, cut per acre, and product suitability of the timber are estimates based on detailed cruise information on file and available for inspection at the Forest Service offices listed above and in the advertisement. **VOLUME QUANTITIES LISTED HEREIN ARE MADE AVAILABLE WITH THE UNDERSTANDING THAT VALUES SHOWN ARE FOREST SERVICE ESTIMATES AND ARE NOT GUARANTEED.** For these reasons, offerors are urged to examine the contract area and make their own estimates.

THE MINIMUM ACCEPTABLE BID RATE FOR THE MANDATORY TIMBER CUTTING UNITS IS STATED IN THE ATTACHED OFFER FORM. THESE RATES ARE EFFECTIVE AT THE TIME OF ADVERTISEMENT.

Mandatory Estimated Quantities and Rates per Unit of Measure

Species	Product	Unit of Measure	Estimated Quantities	Rates Per Unit of Measure			
				Base Rate	Advertised Rate	Additional Deposits for Slash Disposal	Road Maintenance

Mandatory Timber Cutting Units :

Douglas-fir/Western Larch	Sawtimber	CCF	1,299.00	\$1.00	\$9.34	\$1.38	\$1.13
Ponderosa Pine	Sawtimber	CCF	3,538.00	\$1.00	\$5.67	\$1.38	\$1.13
White Fir and Other Coniferous species	Sawtimber	CCF	1,437.00	\$1.00	\$6.59	\$1.38	\$1.13

Minimum Acceptable Total Bid for Mandatory Timber Cutting Units : \$41,662.95

Only the Fixed Rate Applies :

All species	Grn Bio Cv	CCF	921.00	\$0.25	\$0.25	\$1.38	\$1.13
	TOTAL	CCF	7,195.00			\$9,929.10	\$8,130.35

Optional Estimated Quantities and Rates per Unit of Measure

Species	Product	Unit of Measure	Estimated Quantities	Rates Per Unit of Measure			
				Base Rate	Advertised Rate	Additional Deposits for Slash Disposal	Road Maintenance

Not Applicable

Total Value Bidding:

Prospective Contractors must submit bids for the timber portion of the contract in terms of the minimum acceptable total contract value. The Bid for Integrated Resource Contract (FS-2400-14BV) states minimum acceptable bid rates and estimated quantities of timber, together with the minimum acceptable total timber value. The advertised minimum acceptable total timber value is only for the biddable species, as listed on the offer form in the upper section of block 14. It does not include any non-biddable, fixed rate species listed in the middle section of block 14 titled "Only the Fixed Rate Applies." The offeror should enter the offer on the offer form only in terms of the total timber value. The Forest Service shall establish timber bid rates by species in the contract by multiplying each species' minimum acceptable bid rate by the bid increase percentage. Such rates will be rounded to the nearest cent. The bid increase percentage is the offeror's total timber value bid rate divided by the minimum acceptable total timber value. The total amount for stumps is the volume of each biddable species multiplied by its bid rate, plus the volume of each fixed rate species multiplied by its fixed rate.

If the contract includes optional timber cutting units and offeror elects to bid on those units, bids for optional units are entered on the lower section of block 14. By entering bids for optional timber cutting units on the lower section of the offer form, offeror is agreeing to harvest the optional timber units. Procedures for distributing bid premium are as described in the previous paragraph and total timber value becomes the sum of mandatory and optional timber units.

Estimated Knutson-Vandenberg deposit for contract area improvement work in a total amount of \$8,000.00 is included in total value.

All of the mandatory stewardship work items, as shown in A.4.3 or AT.4.4 of the sample contract, shall be performed. Optional stewardship work items, as shown in A.4.3 or AT.4.4 of the sample contract, shall be performed when authorized in writing by Contracting Officer. Such authorization may be for all or a portion of the quantity shown. Optional stewardship work items may be selected and authorized in any order. Upon written request of Contractor, additional stewardship work items shall be considered and authorized; however, Contracting Officer shall not be obligated to authorize additional stewardship work items if three or more authorized optional stewardship work items or any of the mandatory stewardship work items remain uncompleted. Contracting Officer shall not be obligated to authorize additional stewardship work items at any time if Contracting Officer determines that there is insufficient value of remaining designated timber to cover the value of additional stewardship work items.

Stewardship Schedule of Work Items

Item Number (a)	Work Activity Description (b)	Unit of Measure (c)	Estimated Quantity (d)
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Mandatory Stewardship Work Items

001	Large Tree Placement in Streamcourse	Each	35.00
002	Non-Commercial Thinning, Slash Treatment	Acres	238.00

Optional Stewardship Work Items

003	Non-Commercial Thinning, Slash Treatment	Acres	635.00
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5. PERIOD OF CONTRACT. The normal operating season covers the period between 06/15 and 11/15. Contract termination date is 12/31/2018. Extensions of this contract may be granted only when the contractor has met specified conditions.

Upon acceptance by the Forest Service, the technical proposal is a binding part of the contract and shall include, but is not limited to, plan periods for and methods of work activities. The Contractor must also submit an annual schedule of operations before commencing operations. This schedule will include the anticipated major activities and needs for harvest. This annual schedule of operations does not require concurrence of the Forest Service.

6. PAYMENT. Payment for timber and any required deposits for slash disposal or road maintenance are required in advance of cutting. Contractor may earn stewardship credits or provide an acceptable payment guarantee prior to cutting. "Stewardship Credits" are credits that are earned and established when work described in K(T)-G(T).9# of the sample contract has been performed and accepted. Stewardship Credits shall be earned at the offer rate as shown in the awarded contract. Earned Stewardship Credits may be used to pay for Included Timber value in excess of Base Rates and Required Deposits. Base Rates and Required Deposits must be paid in cash.

7. PERFORMANCE BOND. Not Applicable.

8. SPECIFIED ROADS. Not Applicable.

9. ROAD MAINTENANCE. Contractor shall perform or pay for road maintenance work, commensurate with Contractor's use, on roads controlled by Forest Service, and used by Contractor in connection with this contract. Road maintenance requirements are based on the predicted haul route. Any change in the Contractor's actual haul route may necessitate a change in the roads to be maintained and/or in the amount of required deposit for road maintenance. Required deposits for road maintenance are listed in provision K(T)-F(T).3.2# in the sample contract. Maintenance specifications are in the sample contract.

10. INAPPLICABLE STANDARD PROVISIONS. See sample contract.

11. SPECIAL PROVISIONS. See sample contract.

12. SET-ASIDE CONTRACTS. Not Applicable.

13. LOG EXPORT AND SUBSTITUTION RESTRICTIONS. The contract requires domestic processing of included timber except for species declared to be surplus, and prohibits the use of such included timber in substitution for unprocessed private timber exported. The offeror, by signing the offer for advertised timber, certifies compliance with the applicable prohibitions against export and substitution prescribed in the Forest Resources Conservation and Shortage Relief Act of 1990, as amended (16 U.S.C. 620, et seq.) with each offer.

14. EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE REVIEW. If the total contract value for this contract exceeds \$10 million, before award, the Forest Service shall request an equal employment opportunity compliance review of the Contractor to determine compliance with the provisions of Executive Order 11246 of September 24, 1965, as amended by Executive Order 11375 of

October 13, 1967 and Executive Order No. 12086 of October 5, 1978.

15. AWARD. The Contracting Officer is required to make a determination of Contractor responsibility as stated in Title 36, Section 223.101, of the Code of Federal Regulations.

To determine a Contractor to be responsible, a Contracting Officer must find that:

- a. The Contractor has adequate financial resources to perform the contract or the ability to obtain them;
- b. The Contractor is able to perform the contract within the contract term taking into consideration all existing contracts and Governmental business commitments;
- c. The Contractor has a satisfactory performance record on similar type contracts. A prospective Contractor that is or recently has been seriously deficient in contract performance shall be presumed not to be responsible, unless the Contracting Officer determines that the circumstances were beyond the Contractor's control and were not created through improper actions by the Contractor or affiliate, or that the Contractor has taken appropriate corrective action. Past failure to apply sufficient tenacity and perseverance to perform acceptably under a contract is strong evidence that a Contractor is not responsible. The Contracting Officer shall consider the number of contracts involved and extent of deficiency of each in making this evaluation;
- d. The Contractor has a satisfactory record of integrity and business ethics;
- e. The Contractor has or is able to obtain equipment and supplies suitable for completing the requirements of the contract;
- f. The Contractor is otherwise qualified and eligible to receive an award under applicable laws and regulations.

Offerors, by signing the offer form, certify that, to the best of offeror's knowledge, the offeror will meet the requirements in 36 CFR 223.101, determination of Contractor responsibility, and if awarded this contract, that offeror will complete the contract and any modifications thereof in accordance with its terms including requirements to purchase, cut, and remove included timber or forest products and complete stewardship projects by the termination date.

16. FALSE STATEMENTS ACT. Offerors, by signing the offer form, certify that they are aware that offeror is subject to the penalties prescribed in 18 U.S.C. 1001, Chapter 47, Fraud and False Statements (P.L. 104-45). The Act states "whoever, in any matter within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals or covers up by any trick, scheme, or device a material fact, or makes any false, fictitious or fraudulent statements or representations, or makes or uses any false writing or document knowing the same to contain any false, fictitious or fraudulent statement or entry, shall be fined under this title or imprisoned not more than 5 years, or both."

17. DAMAGES. This contract shall be terminated for breach if: 1) Contractor fails to execute this stewardship contract or furnish a satisfactory performance bond by the date required in the award letter, if required; or 2) offeror is found to have violated the False Statements Act in making any statement or certification on the offer form including not meeting responsibility requirements, and offeror has made a false statement.

18. SUSPENSION AND DEBARMENT CERTIFICATION. Non-procurement debarments and suspensions are governed by the Government-wide common rules (7 CFR 3017).

These rules require each contractor, to submit a certification for itself, its principals, and its affiliates when submitting an offer on stewardship contracts. The offeror must designate its status regarding debarment, suspension, and other matters as specified on the offer form. The offeror, by signing the offer, certifies this status. An explanation for not submitting a certification may be submitted. The Contracting Officer will determine whether the explanation provides sufficient reason for permitting participation in the competition. Also, as a Contractor enters into transactions with subcontractors, these subcontractors must certify their eligibility. The certification titled "Subcontractor Certification Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion" must be provided to subcontractors, but completed certifications are not required to be submitted with the offer. Contractor must keep these subcontractor certification forms on file for review by the Forest Service, if requested.

The certification forms and instructions for subcontractors transactions are provided as an addendum to the offer form.

19. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS. Conduct of operations on this contract is subject to compliance with all OSHA requirements related to the various work activities. Inspection by OSHA may include inspection for compliance with the logging operations regulations at 29 CFR 1910.266. This standard is applicable to the entire logging industry wherever logging operations occur. Information is available to assist Contractors to ensure compliance with the logging operations regulations

during conduct of this contract from the U.S. Department of Labor, Occupational Safety and Health Administration, OSHA, Federal Office Building 1220 Southwest 3rd Avenue, Room 640, Portland, Oregon 97204, (503) 326-2251.

20. GENERAL. Corporations submitting an offer under this solicitation must include form AD-3030-FS, Representations Regarding Felony Conviction and Tax Delinquent Status For Corporate Applicants. Copies of this form may be obtained from the Forest Service office shown on page 1 of this prospectus or electronically at:
<http://www.ocio.usda.gov/policy-directives-records-forms/forms-management/approved-computer-generated-forms>.

This contract was appraised using mechanized logging system and skidding with tops attached. Depending on the technical proposal, other methods may be agreed to.

The water source site pumping will require a generator and wiring connection.

A USDA Forest Service bridge overload permit is required for all loads over 80,000 lbs. crossing the bridge over Forest Service road 42 at Wolf Creek.

Technical Proposal: Use the R-6 Technical Proposal Template (word documents, .docx) for IRTC in response to this project. The technical proposal submitted shall not exceed 25 pages.

The successful offeror shall register in the System for Award Management (SAM) at www.sam.gov.

Contractors are to disregard the following sections: INSTRUCTIONS FOR THE PREPARATION OF TECHNICAL AND PRICE PROPOSALS; EVALUATION, NEGOTIATIONS, AND AWARD PROCESS; and Evaluation Criteria. Contractors are to refer to the R-6 Technical Proposal Template for instructions and information on completing the Technical and Price Proposals.

See the documents 'prospectus-additions-doc-comments' for more prospectus items to be added.

The successful offeror shall register in the Central Contractor Registration (CCR) at www.ccr.gov.

The successful offeror shall register in the Central Contractor Registration (CCR) at www.ccr.gov.

INSTRUCTIONS FOR THE PREPARATION OF TECHNICAL AND PRICE PROPOSALS

(a) General Instructions. Proposals submitted shall be furnished in the following format with the numbers of copies as specified below.

(1) - The proposal must include a technical proposal and price proposal. Each of the parts shall be separate and complete so that evaluation of one may be accomplished independently from evaluation of the other. The technical proposal must not contain reference to cost.

(2) - Offerors may, at their discretion, submit alternate proposals or proposals which deviate from the requirement; provided, that an offeror also submit a proposal for performance of the work as specified in the statement of work. Any "alternate" proposal may be considered if overall performance would be improved or not compromised, and if it is in the best interest of the Government. Alternate proposals, or deviations from any requirement of this Request for Proposal (RFP), must be clearly identified.

OR

(2) Offerors must submit a proposal that meets all requirements specified in the sample contract. No alternate proposals will be accepted.

(3) - The Government will evaluate proposals in accordance with the evaluation criteria set forth below.

(4) - Offerors shall submit their proposal(s) in the following format and the quantities specified:

(i.) One copy of the completed, signed offer form FS-2400-14BV or FS-2400-14BVU provided by the Forest Service for this contract.

(ii.) Three copies of the technical proposal.

(iii.) One copy of the business/cost proposal.

(b) Technical Proposal Instructions. Technical proposals will be evaluated to determine the ability of the Contractor to meet the requirements of the Government. As a minimum, the proposal must clearly provide the following: See the attached Technical Proposal Form for the Evaluation Factors and Subfactors.

EVALUATION, NEGOTIATION AND AWARD PROCESS

Proposals will be evaluated and rated to determine which offerors are within a competitive range, price and other factors considered. Award may be made without further negotiations. Proposals should be submitted initially on the most favorable terms that the offeror can submit to the Government, from both price and technical standpoints. However the Government may, after evaluation of proposals, conduct further oral or written discussions as appropriate, with all offerors whose proposals are within a competitive range. Proposals that do not address one or more criteria or subfactors, may not be considered further for award.

Firms lacking a past performance record (e.g., new firms or those with no relevant experience within their organization) will be treated as an unknown performance risk, receiving a neutral score in this criteria. A neutral score will be established as the average of all other competing offerors, or the average of the total score available, whichever is less.

EVALUATION CRITERIA

The evaluation factors for this contract and their relative importance are listed below in descending order of priority. All subfactors within a factor are equal in weight.

<u>Factor</u>	<u>Approximate Weight</u>
A. Price	0%
B. Technical Approach	0%
1. Plan of Operations	
2. Quality Control	
3. Contract Manager and On-the-Ground Supervisor(s)	
4. Equipment	
5. Production Capability	
C. Capability and Past Performance	0%
1. Key Personnel	
2. Subcontractors	
3. Past Contacts	
D. Utilization of Local Workforce	0%
E. Other	100%

Percentages are no longer assigned to the evaluation criteria. Please refer to the Region 6 Technical Proposal Template for the Integrated Resource Timber Contract to identify the evaluation criteria as either approximately equal in importance or listed in descending order of importance.

Award Statement. One award will be made to the offeror (a) whose proposal is technically acceptable and (b) whose technical/price relationship is the most advantageous to the Government. All technical evaluation factors (B-D), when combined, are approximately equal to price (A). The critical factor in making any technical/price trade-off is not the spread between the technical ratings, but rather the significance of that difference. The significance of the spread in ratings will be determined on the basis of what that difference might mean in terms of performance and what it would cost the Government to take advantage of it. Award may not necessarily be made for technical capabilities that would appear to exceed those needed for fulfilling the requirements of this contract. The Government reserves the right to make cost/technical trade-offs that are in the best interest and to the advantage of the Government.

Price proposals will not be scored.

POSTAWARD DEBRIEFING OF OFFERORS

- (a) (1) An offeror, upon its written request received by the agency within 3 days after the date on which that offeror has received notification of contract award in shall be debriefed and furnished the basis for the selection decision and contract award.
- (2) To the maximum extent practicable, the debriefing should occur within 5 days after receipt of the written request.
- (3) An offeror that was notified of exclusion from the competition, but failed to submit a timely request, is not entitled to a debriefing.
- (4) (i) Untimely debriefing requests may be accommodated.
- (ii) Government accommodation of a request for delayed debriefing, or any untimely debriefing request, does not automatically extend the deadlines for filing protests. Debriefings delayed could affect the timeliness of any protest filed subsequent to the debriefing.
- (b) Debriefings of successful and unsuccessful offerors may be done orally, in writing, or by any other method acceptable to the Contracting Officer.
- (c) The Contracting Officer should normally chair any debriefing session held. Individuals who conducted the evaluations shall provide support.
- (d) At a minimum, the debriefing information shall include-
- (1) The Government's evaluation of the significant weaknesses or deficiencies in the offeror's proposal, if applicable;
 - (2) The overall evaluated cost or price (including unit prices) and technical rating, if applicable, of the successful offeror and the debriefed offeror, and past performance information on the debriefed offeror;
 - (3) The overall ranking of all offerors, when any ranking was developed by the agency during the source selection;
 - (4) A summary of the rationale for award;
 - (5) For acquisitions of commercial items, the make and model of the item to be delivered by the successful offeror; and
 - (6) Reasonable responses to relevant questions about whether source selection procedures contained in the solicitation, applicable regulations, and other applicable authorities were followed.
- (e) The debriefing shall not include point-by-point comparisons of the debriefed offeror's proposal with those of other offerors. Moreover, the debriefing shall not reveal any information prohibited from disclosure by Federal Acquisitions Regulations 24.202 or exempt from release under the Freedom of Information Act (5 U.S.C. 552) including-
- (1) Trade secrets;
 - (2) Privileged or confidential manufacturing processes and techniques;
 - (3) Commercial and financial information that is privileged or confidential, including cost breakdowns, profit, indirect cost rates, and similar information; and
 - (4) The names of individuals providing reference information about an offeror's past performance.
- (f) An official summary of the debriefing shall be included in the contract file.

20. GENERAL

See AT.4.4, and KT-GT.9# in the sample contract for more information.

Project	Mandatory or Optional (M or O)	Description	Unit of Measure	Quantity
001	M	Large Tree placement in streamcourse	Each	35
002	M	Non-Commercial Thinning, Slash Treatment	Acres	238
003	O	Non-Commercial Thinning, Slash Treatment	Acres	831

Table of Restricted Operating Periods Applicable to Timber Removal. 1/

Restriction <u>1/</u>	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Big Game Winter Range (Units 12, 13, 14, 15, 16, 17, 21, 25, 52)	X	X	X	X								X
Raptor Nesting (Unit 4)			X	X	X	X	X	X				

1/ Refer to provisions KT-GT.3.1.5#, KT-GT.4.1# and KT-GT.4.2# in the sample contract for specific requirements.

Contractors are to submit as part of their proposals the number of copies included below;

Item Description	Number of Copies
Offer Form FS-2400-14BV signed by Contractor	1
Technical Proposal	3
Contractors are also to send an electronic copy of their Technical Proposal to the Contracting Officer by the due date and time for proposals. The email address is alowe@fs.fed.us	1

Honi Stewardship Reoffer Volume Summary Table										
UNIT #	Acres	Logging System	PP Saw CF	DF Saw CF	WF Saw CF	LP Saw CF	Total Saw CF	Total NS CF	NET CF	NET CCF
1	2	Mechanized/Handfelling	901	978	1293	0	3172	177	3349	33.49
2	3	Mechanized	1140	440	0	0	1580	195	1775	17.75
3	3	Mechanized	2839	64	0	0	2903	414	3317	33.17
4	45	Mechanized	8407	9108	9881	0	27396	3163	30559	305.59
5	41	Mechanized	14465	1251	193	0	15909	2586	18495	184.95
6	8	Mechanized	4244	85	1366	0	5695	515	6210	62.1
7	9	Mechanized	5465	159	70	0	5694	771	6465	64.65
8	22	Mechanized	3513	4129	7226	0	14868	2331	17199	171.99
9	3	Mechanized	479	563	985	0	2027	318	2345	23.45
10	27	Mechanized	4312	5068	8869	0	18249	2861	21110	211.1
11	57	Mechanized	9872	11010	17319	0	38201	3973	42174	421.74
12	9	Mechanized	2686	2942	70	0	5698	696	6394	63.94
13	9	Mechanized	2721	1797	18	0	4536	690	5226	52.26
14	5	Mechanized	977	4122	70	0	5169	385	5554	55.54
15	10	Mechanized	3443	43	26	0	3512	658	4170	41.7
16	4	Mechanized	2473	0	0	0	2473	408	2881	28.81
17	6	Mechanized	2867	21	0	0	2888	501	3389	33.89
18	16	Mechanized	6035	440	0	0	6475	725	7200	72
19	37	Mechanized	14616	4598	123	0	19337	1795	21132	211.32
20	7	Mechanized	1860	1674	18	0	3552	347	3899	38.99
21	28	Mechanized	10300	0	0	0	10300	818	11118	111.18
22	22	Mechanized	9696	21	0	0	9717	1249	10966	109.66
23	21	Mechanized	8206	21	53	0	8280	1627	9907	99.07
24	7	Mechanized	4721	0	0	0	4721	755	5476	54.76
25	18	Mechanized	11115	1319	0	0	12434	1221	13655	136.55
26	22	Mechanized	6663	1955	193	0	8811	979	9790	97.9
27	27	Mechanized	5860	1867	316	0	8043	1064	9107	91.07
28	30	Mechanized	4791	5631	9854	0	20276	3179	23455	234.55
29	30	Mechanized	5267	7329	1196	0	13792	2309	16101	161.01
30	66	Mechanized	10540	12388	21679	0	44607	6994	51601	516.01
32	31	Mechanized	4951	5819	10183	0	20953	3285	24238	242.38
33	11	Mechanized	2546	511	440	0	3497	629	4126	41.26
34	21	Mechanized	3354	3942	6898	0	14194	2225	16419	164.19
35	15	Mechanized	1919	3118	879	0	5916	594	6510	65.1
36	16	Mechanized	2555	3003	5256	0	10814	1696	12510	125.1
37	7	Mechanized	2744	141	545	0	3430	753	4183	41.83
39	18	Mechanized	12661	787	236	0	13684	2388	16072	160.72
40	16	Mechanized	11438	128	263	0	11829	2454	14283	142.83
41	35	Mechanized	5590	6569	11497	0	23656	3709	27365	273.65
42	20	Mechanized	3194	3754	6570	0	13518	2119	15637	156.37
43	27	Mechanized	10272	2361	1051	0	13684	1704	15388	153.88
44	15	Mechanized	2396	2815	4927	0	10138	1590	11728	117.28
45	117	Mechanized	42476	17088	13820	14	73398	12031	85429	854.29
46	16	Mechanized	11312	43	0	0	11355	1339	12694	126.94
47	54	Mechanized	30156	85	53	0	30294	6686	36980	369.8
48	8	Mechanized	5171	0	0	0	5171	439	5610	56.1
49	29	Mechanized	11607	468	0	0	12075	1628	13703	137.03
50	21	Mechanized	11017	319	0	0	11336	1701	13037	130.37
51	6	Mechanized	3485	0	0	0	3485	616	4101	41.01
52	5	Mechanized	4300	21	26	0	4347	759	5106	51.06
Totals	1082		353618	129995	143462	14	627089	92049	719138	7191.38

The above listed logging system(s) were used by the Forest Service in calculating the stump-to-truck cost in the appraisal. **The above listed logging systems are not required by the contract.** The contractor is to describe logging systems and yarding methods that will meet the end results as part of their Technical Proposal.