

Proposal Name: Cornerstone Project

Start Year	2011
End Year	2019
Total Treatment Acres	38,500.00
Average Treatment Duration	15
Discounted Anticipated Cost Savings - No Beneficial Use	<b>\$ 6,559,347</b>
Discounted Anticipated Cost Savings - Low Beneficial Use	\$ 7,192,674
Discounted Anticipated Cost Savings - Moderate Beneficial Use	\$ 8,459,328
Discounted Anticipated Cost Savings - High Beneficial Use	\$ 9,725,982

Documentation:

Was the analysis prospective (projecting activities, costs and revenues that are planned by the proposal) or retrospective (using actual acres, revenues and costs in an analysis looking back over the life of the project)?	Prospective
Start year rationale:	current year NEPA-ready projects
End year rationale:	legislation valid through 2019
Duration of treatments rationale:	Regional Office guidance on average treatment effectiveness for project area
All dollar amounts entered should reflect undiscounted or nominal costs, as they are discounted automatically for you in the R-CAT spreadsheet tool? Did you provide undiscounted costs, and in what year data are your costs and revenues provided.	Yes, they are undiscounted as of year 2011
Average treatment cost per acre rationale:	average cost/acre for all proposed treatments
Rationale for actual costs per acre of treatment by year is used:	actual costs were not used
Average treatment revenue per acre rationale:	expected revenue divided by total acres treated
This tool is intended to be used to estimate Forest Service fire program costs only, did you conduct your analysis this way or have you taken an all lands approach?	Yes, we considered only Forest Service costs and National Forest acres

Total treatment acres calculations, assumptions:	includes National Forest lands only; Total Project acres includes only National Forest lands also.
Treatment timing rationale with NEPA analysis considerations:	First treatment year includes NEPA-ready projects, following years display anticipated program of work
Annual Fire Season Suppression Cost Estimate Pre Treatment, Assumptions and Calculations	Used latest Regional office documentation for large fire average cost/acre for the Stanislaus and the Eldorado National Forest multiplied by FSIM mean fire size pre-treatment output
Did you use basic Landfire Data for you Pretreatment Landscape?	Yes
Did you modify Landfire data to portray the pretreatment landscape and fuel models?	No
Did you use ArcFuels to help you plan fuel treatments?	No
Did you use other modeling to help plan fuel treatments, if so which modeling?	Some of the larger projects were planned under the Stewardship and Fireshed Assessment
Did you model fire season costs with the Large Fire Simulator?	No
If, so who helped you with this modeling?	N/A
If not, how did you estimate costs, provide details here:	Used latest Regional office documentation for large fire average cost/acre for the Stanislaus and the Eldorado National Forest multiplied by FSIM mean fire size pre- and post-treatment output
Did you apply the stratified cost index (SCI) to your Fsim results?	No
Who helped you apply SCI to your FSIM results?	N/A
Did you filter to remove Fsim fires smaller than 300acres and larger than a reasonable threshold?	No
What is the upper threshold you used?	500000
Did you use median pre treatment costs per fire season?	Yes
Did you use median post treatment costs per fire season?	Yes
Did you test the statistical difference of the fire season cost distributions using a univariate test?	No
What were the results?	N/A
Did you estimate Burned Area Emergency Response (BAER) costs in you analysis?	We used 5% of the suppression total cost to estimate this cost
Did you use H codes or some other approach to estimate these costs?	We looked at some actual BAER costs versus suppression costs on the Stanislaus National Forest that supported using the above estimate

Did these cost change between pre and post treatment?	No, we used the same percentage pre- and post-treatment
Did you estimate long term rehabilitation and reforestation costs in your analysis?	No
How did you develop these estimates, and did these cost change between pre and post treatment?	N/A
Did you include small fire cost estimates in your analysis?	Yes
If so, how did you estimate these costs, what time period is used as a reference, and did these cost change between pre and post treatment?	used Regional Office documentation of cost/acre for size A-D fires (2001-2006) for the Stanislaus and the Eldorado National Forests multiplied by average annual acres burned in size A-D fires for the project area (1980-2009).
Did you include beneficial use fire as a cost savings mechanism in your analysis?	Yes
How did you estimate the percent of contiguous area where monitoring is an option for pretreatment landscape?	LMP/FMP and local knowledge of conditions
How did you estimate the percent of contiguous area where monitoring is an option for post treatment landscape, and why did you select the percentage of your landscape for low, moderate and high?	estimated % of area not available pre-treatment due to existing conditions that would be available post-treatment; used very conservative estimate due to limited data
How did you derive an estimate for the percentage of full suppression costs used in fire monitoring for beneficial use?	looked at local cost/acre for large fires (> 300 ac) of that type vs suppression cost/acre for large fires.
Did you ensure that you clicked on all the calculation buttons in cells in column E after entering your estimates?	yes
Did you make any additional modifications that should be documented?	No