## Bair, Lucas/SAC

From:
Sent:
To:
Subject:
Attachments:

Steve Pavich [steve.pavich@cardno.com]
Thursday, February 16, 2012 2:49 PM
Bair, Lucas/SAC
RE: NODOS - IMPLAN
RED_recreation.xlsx

Hi Lucas,

This should be it... Please let me know if you have questions.
Thx,
Steve

## Steve Pavich

Senior Project Economist

## Cardno ENTRIX

701 University Avenue, Suite 200, Sacramento, CA 95825
Phone: 9169231097 Direct: 9163863842 Fax: 9169236251
From: Lucas.Bair@CH2M.com [mailto:Lucas.Bair@CH2M.com]
Sent: Thursday, February 16, 2012 2:45 PM
To: Steve Pavich
Subject: RE: NODOS - IMPLAN
Hi Steve,
I have been unable to find the recreation spending estimates by alternative that were used as IMPLAN input. Fatuma mentioned that the IMPLAN model information she has contains results only and the information in Appendix C of the NODOS Feasibility Report is in general form. Could you forward the specific recreation spending estimates by NODOS alternative?

Thanks,
Lucas

From: Steve Pavich [mailto:steve.pavich@cardno.com]
Sent: Friday, January 27, 2012 1:29 PM
To: Bair, Lucas/SAC
Subject: FW: NODOS - IMPLAN
Hi Lucas
Per our conversation... Please let me know if you have any questions.

Steve

## Steve Pavich

Senior Project Economist
Cardno ENTRIX
701 University Avenue, Suite 200, Sacramento, CA 95825
Phone: 9169231097 Direct: 9163863842 Fax: 9169236251

## Cardno ENTRIX

From: Steve Pavich
Sent: Tuesday, December 06, 2011 3:19 PM
To: 'Sou, Sean'; 'Fatuma.Yusuf@CH2M.com'; Stephen.Hatchett@CH2M.com
Cc: 'Herrin, Jeff'; Duane Paul
Subject: NODOS - IMPLAN
Hi Sean,

I've completed the additional IMPLAN modeling for the NODOS project. The additional runs I completed covered the following:

- Construction analysis run through the statewide model
- Same as the "local" analysis except using the state model
- Agricultural impacts for lands affected by the Project run through both the two-county (local) and statewide models
- Permanent impacts cover lands underlying the reservoir and project facilities
- Short-term impacts cover lands underlying temporary construction areas
- For more details, see write-up by Amy Lyons, DWR GIS staff (Sean should have that e-mail)

I'm attaching here a summary Excel spreadsheet that includes all of the work l've completed for the Feasibility Study, which I augmented with the new model runs. The worksheets are labeled so you should be able to find what you're looking for - the second worksheet has the new modeling results for the EIR. I'm also attaching the supporting spreadsheet for the new AG analysis, as well as the RED summary that we discussed back at our meeting in October. I'm also sending by mail the IMPLAN models that l've been working with (I will send the CD directly to Fatuma).

Please let me know if you have any questions.
Thanks,
Steve

## Steve Pavich <br> Senior Project Economist <br> Cardno ENTRIX

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| Se．updete $S_{\text {P }}$ | ofies for N | Nationa | dionvist | 㖪 hie |  |  |  |  |  |  |  |  | Steve Pavich： or RED analysis |  |  |  |  |  |  |
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|  | ${ }_{5}^{50.00}$ | ${ }_{\text {S }}^{58574}$ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Restaunt | ${ }_{\text {\％}}^{5738}$ |  |  | ${ }^{26}$ |  | ${ }_{25}^{25}$ |  |  | ${ }_{\substack{31.150 \\ 31,150}}$ | ${ }^{325588} 8$ | ¢0 | ${ }_{\text {S }}^{5273797}$ | ${ }_{\substack{527,157 \\ 58185}}^{\substack{\text { S }}}$ |  |  |  |  |  |  |
| Coserese |  | ${ }_{\text {\％}}^{57290}$ |  | ${ }^{26}$ |  | ${ }_{2}^{25}$ | ！ | ${ }_{\substack{\text { 3，4，405 } \\ \text { 31，05 }}}$ | 31，150 | ${ }^{\text {325088 }}$ | ${ }_{50}$ | ${ }^{588,146}$ | ${ }_{\text {S }}$ |  |  |  |  |  |  |
| Other trasportaion | ${ }_{\text {Sase }}^{519}$ | ${ }_{5}^{5104}$ |  | ${ }_{26}{ }^{2}$ | ${ }_{\text {74\％}}^{748}$ | ${ }_{25}^{25}$ | 0 | 约， 1,055 | ${ }_{\text {31，}}^{31.50}$ | ${ }^{325588}$ | 50 | ${ }_{\text {S } 512}$ | ${ }^{5310}$ | S32 |  |  |  |  |  |
|  | \＄8199 | ${ }_{5}^{51077}$ |  | ${ }^{26}$ |  | ${ }_{2}^{25}$ | $\bigcirc$ |  | 311，50 | ${ }^{325058}$ | 5 | S11．60 | ${ }_{\text {S }}^{511.565}$ | $\frac{55,3}{512072}$ |  |  |  |  |  |
| Sporting gooss | ${ }_{5}^{5848}$ | 52948 |  | 26 | ${ }_{79 \%}{ }^{\text {a }}$ | ${ }_{25}^{25}$ | 0 | ${ }^{31,005}$ | 31.150 | ${ }^{32505}$ |  | S24，324 | 524.126 | 52572 |  |  |  |  |  |
| Souveres and other | ¢ | S2920 | S0．45 | ${ }^{26}$ |  | ${ }^{25}$ | 。 | ${ }^{31,405}$ | ${ }^{\frac{3121,50}{31,50}}$ | ${ }^{325085}$ | ¢ | S2287 | S28849 | （ 52,988 |  | ${ }^{360382}$ | ${ }_{50} 8.89$ | ${ }^{212362}$ |  |
| tifthing |  |  |  |  |  |  |  | ${ }^{16,24}$ | 16112 | ${ }_{12895}$ |  |  |  |  |  |  | ， | ， |  |
| Cosisurant | ${ }_{5038}^{5038}$ |  |  | ${ }^{26}$ |  | ${ }_{25}^{25}$ | 0 |  | ${ }^{16,112} 1$ | ${ }^{16,885}$ | ${ }_{50}^{50}$ | $\frac{51,51}{51,122}$ |  |  |  |  |  |  |  |
| Groceries | 5780 | 5 | S7800 | ${ }_{26}^{26}$ |  | ${ }^{25}$ | 0 | － 16,244 | 16，112 | ${ }_{\text {c }}^{16,885}$ | 50 50 50 | ${ }_{5}^{5165509}$ | ${ }_{\text {Sl }}^{514.456}$ | ${ }_{\text {Sl7，73 }}^{5175}$ |  |  |  |  |  |
| Othertansp | 5 S000 | ${ }_{\text {S }}$ | 50．00 51.84 | ${ }^{26}$ | $74 \%$ 135\％ | ${ }^{25}$ | 0 | ${ }^{16,244}$ | 16,112 | 16.85 | ${ }_{50}$ | 5161 | 5160 | 516 |  |  |  |  |  |
|  | $\frac{519}{530}$ | \＄127\％ |  | ${ }^{26}$ |  | 25 <br> 25 <br> 2 <br> 25 |  | － 11.264 | ${ }^{16,112} 1$ | ${ }^{16,885} 1$ |  | ${ }_{\substack{526,17 \\ 56031}}^{5}$ | ${ }_{5}^{52,59}$ |  |  |  |  |  |  |
| Sporting goods | \＄779 | ${ }_{52345}$ | 557．99 5123.5 | ${ }^{26}$ | ${ }_{74 \%}{ }^{\text {1335\％}}$ | ${ }^{25}$ | $\bigcirc$ | 16，24 | 16,112 | ${ }_{10,815}$ | 50 | S12，881 | \＄12，49 | ${ }_{513,0}$ |  |  |  |  |  |
|  | ${ }_{\substack{\text { So4s } \\ \text { S5S32 }}}$ |  | S0．45 5 S9．70 | ${ }^{26}$ |  | 25 <br> 25 <br> 25 | ！ |  | ${ }_{\text {len }}^{16.112} 1$ | （16，85 | ¢ | Stile， |  |  |  | S10679 | S0083 | St10，${ }^{\text {a }}$ |  |
| Snicking |  |  |  |  |  |  |  | 83，24 | 82351 | 85991 |  |  |  |  |  |  |  |  |  |
|  | ${ }_{\substack{\text { Solen } \\ 5130}}$ | ${ }_{5}^{510413}$ |  | ${ }_{26}^{26}$ |  | ${ }_{25}^{25}$ | $\bigcirc$ | cis． 8 | ${ }^{823351}$ |  | $\begin{aligned} & 50 \\ & 50 \end{aligned}$ |  | ${ }_{\text {S44，922 }}$ | S66，93 |  |  |  |  |  |
|  |  | ${ }_{56678}^{546}$ | Stiser | ${ }^{26}$ | ${ }_{7}^{79 \times}$ | ${ }_{25}^{25}$ | $\bigcirc$ |  | ${ }_{82351}^{8231}$ | ${ }_{85,591}^{8594}$ | ${ }_{50}^{50}$ | 591，599 |  | 594，8 |  |  |  |  |  |
| Gasand oil | ${ }_{5}^{56092}$ | 5878 |  | 26 | ${ }^{74 \%}{ }^{\text {13，5\％}}$ | ${ }_{25}^{25}$ |  | ${ }^{83,224}$ | ${ }^{82351}$ | ${ }^{85,941}$ |  |  |  |  |  |  |  |  |  |
| Other tassoration | ${ }_{\text {Stis8 }}^{5875}$ | ${ }_{\substack{5368 \\ 5120}}$ |  | ${ }_{26}^{26}$ | ${ }_{\text {24\％}}^{\text {24，}}$ | 25 <br> 25 <br> 25 | $\bigcirc$ | ${ }^{8,3,24}$ | ${ }^{82351}$ | ${ }_{8}^{85,94}$ |  | S12，97 | ${ }_{\text {Sl2，}}^{51293}$ | 513，9 |  |  |  |  |  |
|  | ${ }_{\text {cose }}^{\text {stas }}$ | Stit | S8，98 512.81 <br> 18  | ${ }_{26}^{26}$ | ${ }_{\text {774\％}}{ }_{\text {74，}}$ | ${ }_{25} 25$ |  |  | ${ }_{82351}^{82351}$ | － 8 8，9941 |  | ${ }^{\text {352，879 }}$ | ${ }^{\text {S72，28 }}$ | ${ }_{\text {chers }}^{515,40}$ |  |  |  |  |  |
| Sportingoos | Stiet | $\frac{58.67}{50.60}$ |  | ${ }_{26}^{26}$ |  | 25 | 0 | ${ }_{83,224}$ | ${ }^{82331}$ | ${ }^{85,941}$ | so | S18，288 | S18，20 | S18，9010 |  |  |  |  |  |
| Toal： | \％7794 | S39033 | S7．94 5330.43 | ${ }_{26}^{26}$ | ${ }^{748} \stackrel{1358}{ }$ | ${ }^{25}$ | $\bigcirc$ | cos， | ${ }^{822351}$ | \％ | ${ }_{50}$ | ${ }_{\text {S664，787 }}$ | ${ }_{5}^{56593937}$ | ${ }_{\text {ckes，}}^{5085}$ |  | seare | 85939 | seses |  |
|  |  |  |  |  |  |  |  |  | L0，s94 |  |  |  |  |  |  |  |  |  |  |
| ${ }^{\text {Legeghe }}$ Resturant | 5000 | $\xrightarrow{88863}$ |  | ${ }_{2.6}^{2.6}$ |  | ${ }_{25}^{25}$ | ！ |  |  |  |  | S514，0056 |  |  |  |  |  |  |  |
| $\frac{\text { Cioceres }}{\text { Cosand }}$ | ${ }_{5602}^{5270}$ |  |  | ${ }_{26}^{26}$ | ${ }_{\text {74\％}}^{748}$ | 25 | $\bigcirc$ | 7，473 | 7,889 <br> 7089 | ${ }^{73,984}$ | 50 | S55，700 | ${ }_{\text {S5 }}^{51288}$ | S57，59 |  |  |  |  |  |
| Sosend |  | Sce |  | ${ }_{26}^{26}$ |  | ${ }_{25}^{25}$ | 。 | ， |  | ${ }^{73,584}$ |  |  |  | ${ }_{5}^{520.538}$ |  |  |  |  |  |
| Entrites | ${ }_{5297}$ | S134 | 52.975 | $26 \quad 7$ | $74 \%{ }^{\text {7 }}$ | ${ }^{25}$ |  | 11.473 | 70.89 | 73，94 |  |  |  |  |  |  |  |  |  |
| Reca and enteratamen | 52.4 | \＄117．57 | 52.14 | 26 | 74\％${ }^{\text {13，5\％}}$ | 2.5 |  | 71，473 | 20，894 | ${ }^{73,94}$ |  | 520，012 | S10，899 | S20，71 |  |  |  |  |  |
| Sportig zoods | ${ }_{5}^{5028}$ | S27 |  | ${ }_{26}^{26}$ | ${ }^{74 \%}$－ 13.35 | ${ }_{25}^{25}$ | 0 | 71，473 | 70，894 | ${ }^{73,984}$ | 50 | ${ }_{\text {S }}^{58,802}$ | ${ }_{\text {sem }}^{58,31}$ | 59，111 |  |  |  |  |  |
|  | ${ }_{5} 56$ |  | S64．56 5482.35 |  | ${ }_{7}^{748}$ | ${ }_{25}^{25}$ | $\bigcirc$ | ${ }^{7,4,43}$ | lo， 7.894 | 73，984 | 50 |  | 557，599 | S02，12 |  | Ssal．95 | 55693 | S60212 |  |
| Simmin／ Leach |  |  |  |  | ${ }^{248}$－ 13.5 |  |  |  | 80999 |  |  |  |  |  |  |  |  |  |  |
| Restaurant | \＄1370 | \＄4415 | \＄1370 54.1 .5 | ${ }^{26}$ | ${ }_{79 \%}{ }^{\text {13，5\％}}$ | ${ }^{2} 5$ | 。 | 81,580 | 80，919 | 84,44 | 50 | S116，127 | S115，185 | 5120，207 |  |  |  |  |  |
|  | ${ }_{5}^{52929}$ |  | S921） 5856 | ${ }_{26}^{26}$ |  | 25 25 25 |  |  | 80，999 | ${ }^{84.457}$ | so | 590，066 | S88，276 | 593，168 |  |  |  |  |  |
| Onter transoration | ${ }_{5} 5.58$ | ${ }_{53,68}$ | 51.58 <br> 5.38 | ${ }^{26}$ |  | 25 | 0 | ${ }_{\text {81，580 }}$ | 80，919 | 88,44 | so | S12，71 | S12，67 | 513,219 |  |  |  |  |  |
| Etitrees | 57.15 | 520 | 57.15 51220 | ${ }^{26}$ | 748 ${ }^{\text {13，}}$ \％ | 25 | 0 | 81.580 | 80,919 |  | 50 | S55，80 | \＄55，371 | 557，72 |  |  |  |  |  |
|  | ¢ | ${ }_{\substack{\text { Si83，} \\ 59.67}}$ |  | ${ }_{26}^{26}$ |  | $\stackrel{25}{25}$ | ！ |  | ${ }_{80,999}^{80,99}$ |  | So | $\frac{517,612}{517.50}$ | ${ }_{\text {Sl }}^{\text {S17，031 }}$ |  |  |  |  |  |  |
|  | 206 | \％ | 516.94 | $26 \quad 7$ | ${ }^{74 \%}$ | 25 | 0 | ${ }^{81,580}$ | 80,919 | 84，447 |  |  |  |  |  |  |  |  |  |
| Total | 571.94 | S330．43 | ${ }_{51.94}^{5330.43}$ | 2.6 | ．58\％ |  |  | ${ }^{81,588}$ | 80,919 | ${ }_{8}^{8,4,47}$ | ${ }_{50}$ | 5653,226 | ${ }_{5667,929}$ | 5676，177 |  | Ss328 | Sot 23 | Sclip |  |
|  |  |  | S0．00 S188．03］ |  | ${ }_{7,48} \quad 13.38$ | ${ }^{25}$ |  | 10，468 |  |  |  |  |  |  |  |  |  |  |  |
|  | St404 | S99720 | 514.41 5959070 | ${ }_{26}^{26}$ |  | ${ }_{25} 25$ | 0 | 10，468 | 10.383 | 10，886 |  | 518，458 | S18， | S19，107 |  |  |  |  |  |
| Coiceries | 55，37 | S6639 | 55.37 | 2.6 | $74 \%{ }^{\text {72，}}$ | 25 |  | 10，468 | 10，383 | 10，836 |  | S8，502 | s8，434 | ${ }_{\text {58，001 }}$ |  |  |  |  |  |
|  | S248 |  | S21．48858．38 | ${ }_{26}^{26}$ | ${ }^{74 \%}$（13．3\％ | ${ }_{25}^{25}$ | 0 | 10，468 | ${ }^{10.383}$ | ${ }^{10.885}$ | 50 | 523.047 | ${ }_{522880}$ | ${ }^{523,857}$ |  |  |  |  |  |
|  | ${ }_{5}^{5239}$ | stio3s |  | ${ }^{26}$ | ${ }_{748}^{748}$ | ${ }^{25}$ | － | （10，488 | ${ }^{10,383}$ | ${ }^{10,886}$ | ${ }_{50}$ | S2，749 | S2，727 | ${ }_{52,866}$ |  |  |  |  |  |
| Rea andenterament | $\frac{5418}{5148}$ | $\frac{54721}{51724}$ |  | ${ }^{26}$ |  | 25 <br> 25 <br> 25 | ！ | （10，488 | ${ }_{\substack{10,383 \\ 10,383}}$ |  |  |  |  |  |  |  |  |  |  |
| Solen | ${ }_{5293}$ | ${ }_{523,66}$ | $\begin{array}{lll}52.93 & 523.60\end{array}$ | 26 | 77\％${ }^{\text {13，}}$ | ${ }^{25}$ |  |  | 10,38 | 10，868 | so |  | 53，958 |  |  |  |  |  |  |
| Totalil Motarcling | S9939 | S472，03 | ${ }_{59981}^{51}$ |  | ${ }^{5 \%}$ | 25 |  | （0，468 | ${ }_{\substack{10,383 \\ 4.655}}^{4}$ |  | so | 521,84 | 57,261 | 574，367 |  | 9，28s | 51239 | 89,36 |  |
|  | S000 | 518303 | 50.00 |  | ${ }^{74 \%}$ 135\％ |  | 0 | 4，993 | 4，655 | 4，858 |  |  |  |  |  |  |  |  |  |
| Restay | 514 | 5 | S14．41 599.70 | ${ }^{2.6}$ | $74 \%{ }^{\text {13，3\％}}$ | ${ }^{25}$ | 0 | 4.693 | 4，655 | 4，858 |  | S8274 | S8，207 | 58，56 |  |  |  |  |  |
| （Giocrese | ${ }_{\substack{\text { S3278 } \\ 52148}}$ |  |  | ${ }^{26}$ |  | ${ }^{25}$ | ！ | ${ }_{4,993}^{4.633}$ | ${ }_{4}^{4.655}$ | ${ }_{4}^{4.858}$ | ¢0 | ${ }^{53,811}$ S10，321 |  |  |  |  |  |  |  |
| Other traspod | Stas6 | 548 | ${ }_{50.56} 54.88 .815$ | ${ }^{26}$ | ${ }^{74 \%}$ 135\％ | ${ }_{25}^{25}$ | 0 | 4，693 | 4.65 | ${ }^{4,588}$ | 50 | ${ }^{5349}$ | ${ }^{5326}$ | ${ }^{53661}$ |  |  |  |  |  |
| Ener teas | ¢ |  | （liter | ${ }^{26}$ |  | ${ }_{2}^{25}$ | － | ${ }_{4,963}^{4.633}$ | 4.655 | ${ }_{4}^{4,588}$ | 50 |  |  |  |  |  |  |  |  |
| Sporing gods | ${ }_{\text {\％}}^{5148}$ |  |  | ${ }_{26}^{26}$ |  | ${ }_{25}^{25}$ | $\bigcirc$ | ${ }_{4.693}^{4.693}$ | ${ }_{4}^{4.655}$ | ${ }^{4,858}$ | 50 | S776 | 5770 |  |  |  |  |  |  |
| （tatemess | Stasi | ${ }^{317303}$ | （tasi | ${ }_{26}^{26}$ |  | $\stackrel{25}{25}$ | ！ | ${ }_{4,6,93}^{4.63}$ | 4.655 | ${ }_{4}^{4.858}$ | ${ }_{50}^{50}$ |  | $\stackrel{\text { S31，94 }}{ }$ | ${ }_{\text {ckis3 }}$ |  | \＄2206 | Sll ${ }^{\text {sem }}$ | S333 |  |
| （tasad vehicle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Codin |  |  | Si000 <br> S14．29 | ${ }_{26}^{26}$ | 774\％ <br> 78 | ${ }_{2}^{25}$ | ！ | ${ }_{361}^{361}$ | ${ }_{358}^{3388}$ | ${ }_{3}^{374}$ | 50 | ${ }_{5595}^{559}$ |  |  |  |  |  |  |  |
| Coiceries | 45902 | 53208 | 51592 578 | ${ }_{26}^{26}$ |  | ${ }_{25}^{25}$ | $\bigcirc$ |  | ${ }^{358}$ | ${ }^{374}$ | 50 | 5639 | ${ }_{5}^{6534}$ | 5662 |  |  |  |  |  |
| Other transporation | 50.4 | 50.00 | 50．14 50.00 | ${ }^{26}$ | ${ }_{74 \%}{ }^{\text {1335\％}}$ | ${ }^{25}$ | 0 | 361 | ${ }_{358}$ | ${ }^{374}$ | ${ }_{50}$ |  |  |  |  |  |  |  |  |
|  |  | ${ }_{5}^{5736}$ |  | ${ }_{26}^{26}$ |  | 25 <br> 25 <br> 25 | ！ | ${ }_{361}^{361}$ | （388 <br> 388 |  |  | ${ }_{5216}^{529}$ | ${ }_{5214}^{522}$ |  |  |  |  |  |  |
|  | \＄464 | \＄367 | $\begin{array}{ll}54,74 & 59367\end{array}$ | ${ }^{26}$ | ${ }_{74 \%} 78$. | ${ }^{25}$ | $\bigcirc$ | 361 | ${ }_{388}$ | ${ }_{37}^{374}$ | ${ }_{\text {so }}$ | ${ }_{5}^{5155}$ | 5154 |  |  |  |  |  |  |
| Soweneies and other |  | － | （50．15 | ${ }_{26}^{26}$ |  | ${ }_{2}^{25}$ | 0 | ${ }_{361}^{361}$ | ¢ |  | ${ }_{\substack{50 \\ 50}}$ | ${ }_{5}^{53,394}$ | S329 | ${ }^{530} 5$ |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Loding | ${ }_{\substack{\text { SiP20 } \\ 5130}}$ | ${ }^{\text {sumin }}$ | ${ }_{\substack{\text { co．00 }}}^{\substack{\text { S13，70 }}}$ | 2.6 |  | ${ }_{2}^{25}$ | ！ | ${ }^{1,444}$ | ${ }_{\text {l }}^{1,432}$ | ${ }^{1,4955}$ | ${ }_{50}$ | ${ }_{5}^{527895}$ |  | ${ }_{582128}^{512}$ |  |  |  |  |  |
| Coiceres | $\underline{527}$ | ${ }_{\text {s56788 }}$ | 59211 556.78 | 2.6 | ${ }^{74 \%} \quad 13.588$ | ${ }_{25}^{25}$ | 0 | 1,44 | ${ }^{1,432}$ | ${ }^{1,495}$ |  | ${ }_{11,53}$ |  |  |  |  |  |  |  |
| Sasand | Stise | 5 |  | ${ }_{26}^{26}$ |  | 25 <br> 25 <br> 25 | $\bigcirc$ | ， | ${ }_{\text {l }}^{1,432}$ | ${ }_{1}^{1.495}$ | 50 | ${ }_{5}^{58386}$ | ${ }_{58,824}$ | 54，02 |  |  |  |  |  |
| Eneremester | ${ }_{5775}$ | \＄1220 | $\begin{array}{ll}57.15 & 51200\end{array}$ | ${ }^{26}$ |  | 25 | 。 | 1，444 | ${ }_{1}^{1,322}$ | ${ }_{1}^{1,495}$ | 50 | 5988 | 5980 | 51，033 |  |  |  |  |  |
| Rec．and enteraiment | Sces | 5 |  | ${ }_{26}^{26}$ | ${ }_{\text {7 }}^{\text {728 }}$ | ${ }_{25}^{25}$ | － | ${ }_{1}^{1,444}$ | ${ }_{\text {l }}^{1.432}$ | ${ }^{1} 1.995$ | 50 |  | ${ }_{512,257}$ |  |  |  |  |  |  |
| Souvenies and other | $\underset{\substack{5246 \\ 527}}{ }$ | $\underset{5}{51694}$ |  | ${ }^{26}$ |  | 25 |  | ${ }^{1,444}$ | ${ }^{1.4 .42}$ | ${ }^{1,495}$ | ${ }_{50} 5$ | ${ }_{5}^{5393}$ | 5436 |  |  |  |  |  |  |
| Sting／watersking |  |  |  |  |  |  |  | ${ }_{\text {l }}^{1.4342}$ |  | ${ }_{\text {L }}^{1,495}$ |  |  |  |  |  | sutse | Sume | Sluse |  |
| $\substack{\text { Loding } \\ \text { Ressurant }}$ | S000 | S10173 | S0．00 Si01．13］ |  |  |  |  | 56，312 | 5s，856 |  |  |  |  |  |  |  |  |  |  |
|  | S |  |  | ${ }_{26}^{26}$ |  | ${ }_{25}^{25}$ |  |  |  |  | so | S80，188 <br> S62128 |  | ${ }_{\text {S }}^{562937}$ |  |  |  |  |  |
| Gas and oll | ${ }_{56,92}$ | ${ }^{567.17}$ | S26．92 5667.17 | 2.6 | 74\％135\％ | 2.5 | 0 | ${ }_{56,312}$ | 55,856 | 58,29 | 50 | S151，533 | S150，324 | S156，87 |  |  |  |  |  |
| Other trassoration | \＄4．888 | 53.28 | ${ }^{51.5888} 5858$ | ${ }^{26}$ | ${ }^{79 \%}$－ 13.36 | ${ }^{25}$ |  | ${ }_{56,312}$ | 55，856 | 58,291 |  | \＄8，815 | 58,74 | s9，12 |  |  |  |  |  |
|  |  | ${ }_{\text {S }}^{51820}$ | S7．15  <br> 88.88 512.20 <br> 518.71  | ${ }^{26}$ |  | $\stackrel{25}{25}$ | $\bigcirc$ | ${ }_{\substack{\text { ¢6，312 } \\ \text { 6，312 }}}$ | ${ }^{51,5856}$ | ${ }^{58,29}$ | ${ }_{50}$ |  |  | ${ }_{\text {S3，}}^{551.128}$ |  |  |  |  |  |
| Sporting goods | \＄194 | 50.7 | 51.94 | ${ }^{26}$ | ${ }_{74 \%}{ }^{13.35}$ |  | 0 | 56.312 | 55.356 | 58，21 | 50 | \＄12，300 | \＄12，290 |  |  |  |  |  |  |
|  |  |  |  | 26 <br> 26 | ${ }_{\text {l }}^{\text {74\％}}$ | ${ }^{25}$ | $\bigcirc$ |  |  |  | ¢ |  | ${ }_{\text {S }}^{\text {S417295 }}$ | ${ }_{\substack{\text { S46，7，724 }}}^{\substack{\text { Sil }}}$ |  | $\operatorname{scoses}^{\text {cos }}$ | ${ }_{\text {surr2s }}$ | ${ }_{\text {Stab }}$ |  |
| Uning |  |  |  |  |  |  |  | ${ }^{1,033}$ | 1.074 | ${ }^{1,121}$ |  |  |  |  |  |  |  |  |  |
| Cosburant | ${ }_{\substack{\text { S5002 } \\ \$ 521}}$ | ${ }_{\text {¢ }}^{5356.64}$ | （tand | ${ }_{2}^{26}$ | ${ }_{7}^{74 \%}$ | ${ }_{25}^{25}$ | 0 | ${ }_{\text {1，083 }}$ | ${ }_{1}^{1,074}$ | ${ }_{1,2121}$ | 50 | ${ }_{5696}$ | ${ }_{5691}$ | 57 |  |  |  |  |  |
|  | \＄402 | Smes | S14．92 570.85 | 2.6 | ${ }^{74 \%}$－ 13.35 |  | 0 | ${ }^{1.083}$ | 1.074 | ${ }^{1,122}$ |  | ${ }_{\text {S1，} 812}$ |  |  |  |  |  |  |  |
| Cas ind on | ${ }_{\text {S436 }}$ | Stili | ${ }_{\text {S48．01 }}^{50.00} 5$ | ${ }^{26}$ |  | ${ }_{2}^{25}$ | ！ | 1，083 | ${ }_{1}^{1.074}$ | ${ }_{\substack{1,2121}}^{\substack{121}}$ | （ | ${ }_{5}^{55,20}$ | ${ }_{5 \text { 5，} 165}^{510}$ |  |  |  |  |  |  |
|  | ${ }_{5038}^{5038}$ | 5234 |  | ${ }_{26}^{26}$ | ${ }_{74 \times 8}^{74 .}$ | ${ }_{2}^{25}$ | $\bigcirc$ | 1，083 | 1.074 | ${ }^{1,12121}$ | so | ${ }_{\text {S1122 }}$ | ${ }_{\text {S170 }}$ | ${ }_{\text {S1172 }}^{5112}$ |  |  |  |  |  |
| Sooring gooss | $\frac{54400}{4020}$ |  |  | ${ }^{26}$ | ${ }^{748} \times$ | 25 | 0 | 1，083 | 1.074 | ${ }_{1,1212}$ | ${ }_{50}$ | S1．564 | \＄1，51 |  |  |  |  |  |  |
| Ster $\begin{aligned} & \text { Soweneies and other } \\ & \text { Toall }\end{aligned}$ |  |  |  | ${ }^{2.6}$ |  | 25 |  |  | ${ }_{\text {l }}^{1,074}$ | ${ }_{\substack{1,121 \\ 1,21}}$ | ${ }_{\substack{50 \\ 50}}$ |  | ${ }_{\substack{\text { S38，} \\ \text { Si80 }}}^{\text {S }}$ | ${ }_{\substack{\text { Si0，28 }}}^{548}$ |  | S0364 | ${ }^{\text {sioz }}$ | spor ${ }^{\text {a }}$ |  |
|  |  |  |  |  |  |  |  | 288 | 2884 |  |  |  |  |  |  |  |  |  |  |
| Loding | 5 | Stand | S0000 Sil1．13］ |  | ${ }^{74 \%}$ \％${ }^{\text {13，5\％}}$ |  |  | 2，8888 | ${ }_{2}^{2,889}$ | 退 |  |  |  |  |  |  |  |  |  |
|  | ${ }_{5827}$ | ${ }_{\text {Stabiz }}$ | Sis． | ${ }^{26}$ | ${ }_{\text {7 }}^{74 \%}$ |  | ！ | ${ }^{2,8888}$ | 2， 2.864 | 2，889 | 50 | 53.186 | 53，160 |  |  |  |  |  |  |
|  | Stick | ${ }_{\substack{56731 \\ 8388}}$ |  | ${ }_{26}^{26}$ |  | 25 25 25 | ： | 退2888 | 2.864 <br> 2864 <br> 2.88 |  | ¢0 | ${ }_{5}^{5,772}$ | ${ }_{5}^{517098}$ |  |  |  |  |  |  |
|  | $\underset{ }{5715}$ | $\stackrel{5120}{5120}$ |  | ${ }_{26}^{26}$ |  | 25 <br> 25 <br> 25 | 0 | 28888 288 2 | 2.884 2864 2， |  | ¢0 | ${ }_{5}^{51,966}$ |  |  |  |  |  |  |  |
|  | $\stackrel{\text { \％}}{5194}$ | ${ }_{59,07}$ |  | ${ }_{26}^{26}$ | ${ }_{798}^{748}$ | ${ }_{2}^{25}$ |  | 2,888 <br> 2.888 | $\xrightarrow{2.864}$2.864 |  | ${ }_{50}$ | ${ }_{5655}$ | ${ }_{563}$ |  |  |  |  |  |  |
| Souve | ¢ |  | （sinc | 26 | ${ }_{\text {ckick }}^{\text {748\％}}$ | ${ }_{25}^{25}$ |  |  | 2.864 <br> 2.864 |  | ¢ | ${ }_{\substack{583 \\ 5239}}$ | ${ }_{\substack{582736 \\ 5296}}^{5}$ |  | so |  | ${ }_{5293}$ | 5393 |  |
| All acturits |  |  |  |  |  |  |  | s0，96 | 358，499 | 337，6 |  |  |  |  |  |  |  |  |  |
| Loding Restarant |  |  |  |  |  |  |  |  |  |  | 50 | 523，552 | \＄228，683 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | ${ }_{50}$ | ${ }_{\text {S } 537,682}$ |  | ${ }_{\text {c }}^{5850,601}$ |  |  |  |  |  |
| Gasand oil |  |  |  |  |  |  |  |  |  |  | 50 | 5979，951 | s972，005 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  | ¢0 |  | ${ }_{\substack { \text { S42，077 } \\ \begin{subarray}{c}{18829{ \text { S42，077 } \\ \begin{subarray} { c } { 1 8 8 2 9 } }\end{subarray}}$ |  |  |  |  |  |  |
| Reecend enteratiment |  |  |  |  |  |  |  |  |  |  | ${ }_{50} 5$ | 5223,032 | S237，094 |  |  |  |  |  |  |
| Sporting oods |  |  |  |  |  |  |  |  |  |  | 50 |  | ${ }_{59}^{513,5857}$ | ${ }_{\text {S102，99］}}^{513,40}$ |  |  |  |  |  |
| Toat： |  |  |  |  |  |  |  |  |  |  |  | 22816,719 | 22，93，880 52 | ［2，915，684 |  | 82abre | 2293， $0^{2}$ | Sorseen |  |
|  |  |  |  |  |  |  |  |  |  | Usist | Hovol | 57.80 | 5780 |  |  |  |  |  |  |



## GDP Price Deflator

| From | To | GDP Deflator <br> Adjustment |
| :---: | :---: | :---: |
| $2004 \$$ 's | 2010 \$'s | 1.14362 |
| $2005 \$$ 's | $2010 \$$ 's | 1.10670 |
| $2006 \$$ 's | 2010 \$'s | 1.07172 |
| $2007 \$$ 's | 2010 \$'s | 1.04107 |
| $2008 \$$ 's | $2010 \$$ 's | 1.01873 |
| $2009 \$$ 's | $2010 \$$ 's | 1.00951 |
| $2010 \$$ 's | 2010 \$'s | 1.00000 |
| $2011 \$$ 's | $2010 \$$ 's | 0.99098 |

